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TECHNICAL MEMORANDUM
DECEMBER 1997 GROUNDWATER MONITORING REPORT

AMERICAN CHEMICAL SERVICE, INC.
NPL SITE
GRIFFITH, INDIANA

Montgomery Watson File No. 1252042

Prepared For:

ACS RD/RA Executive Committee

Prepared By:

Montgomery Watson
2100 Corporate Drive
Addison, Illinois 60101

November 1998

Revised Feb. 1999

MONTGOMERY WATSON

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November 25, 1998

Ms. Sheri Bianchin
Remedial Project Manager
U.S. Environmental Protection Agency
Region V, HSRL-6J
77 West Jackson Boulevard
Chicago, IL 60604-3590

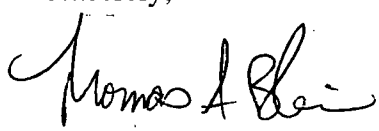
Re: ACS NPL Site
December 1997 Groundwater Monitoring Report

Dear Ms. Bianchin:

Enclosed you will find two complete copies of the December 1997 Groundwater Monitoring Report. The submission of this report was delayed to allow the finalization of the interim groundwater monitoring plan, presented in the September 1997 Groundwater Sampling Results Report, which was revised based on U.S. EPA comments and resubmitted on July 21, 1998. The delay in submission of the December 1997 report allowed it to be compiled and presented so that it meets the objectives established in the resubmitted September 1997 report.

If you have questions or require additional information, please contact me.

Sincerely,



FOR Peter J. Vagt, Ph.D., CPG
Project Manager

cc: Vince Epps (2 complete copies)
Steve Mrkvicka (2 complete copies)
ACS Technical Committee (1 copy each, w/o Appendices C and D)

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(Revised
February 1999)

EXECUTIVE SUMMARY

This Technical Memorandum summarizes the December 1997 groundwater monitoring activities at the American Chemical Service, Inc. (ACS) National Priorities List (NPL) Site in Griffith, Indiana. Sampling results from upper and lower aquifer monitoring wells are presented in this technical memorandum. Monitoring wells were sampled and analyzed for full-scan Target Compound List (TCL) organic and Target Analyte List (TAL) inorganic analyses in accordance with the approved sampling plan.

Water levels were measured in upper and lower aquifer wells, piezometers and staff gauges on December 8 and 9, 1997. The installation of the Perimeter Groundwater Collection System (PGCS) and the barrier wall have resulted in some modification of the direction of horizontal groundwater flow in the upper aquifer. The upper aquifer groundwater flow east of the ACS facility is diverted to the north and to the south as it approaches the barrier wall from the east. The potentiometric surface to the northwest of the Site (including the wetland area) is relatively flat due to the effects of the PGCS trench, barrier wall, and the PGCS discharge points. Within the Griffith Landfill, a low area (with hachure marks) indicates the activity of the leachate collection system (LCS). The configuration of the water table is consistent with previous results.

Horizontal groundwater flow in the lower aquifer is northward with a hydraulic gradient of 0.00039. This gradient is consistent with previous lower aquifer data presented in the September 1997 Groundwater Report and earlier technical memoranda.

Vertical gradients were calculated across three aquifer horizons: 1) the upper aquifer in the wetland area, 2) the upper and lower aquifers, and 3) the lower aquifer. The calculated vertical gradients in the wetland west of the ACS facility are upward, consistent with a typical wetland where shallow groundwater is discharging to surface water. As usual, strong downward vertical gradients were measured between the upper and lower aquifer ranging between -0.33 at nest MW17/MW28 to -0.90 at nest P28/MW8. Vertical gradients measured within the lower aquifer were variable; of the calculated gradients, eight were downward, three were upward, and nine were within the margin of potential error in water level measurement. This variability in the context of previous results indicates that there is not an overall trend to the vertical gradient data in the lower aquifer.

The upper aquifer was divided into three regions for analysis: the North Area, the South Area, and the Town of Griffith Landfill. The North Area extends northward from the north end of the Site near the On-Site Containment Area and the South Area extends southeasterly from a source area near the Kapica-Pazmey area.

In accordance with the Groundwater Monitoring Plan this Technical Memorandum compares groundwater analytical results to the highest detected concentrations observed, for each well and parameter, during the baseline sampling period.

Volatile organic compounds (VOCs) were detected in groundwater samples collected from the upper aquifer monitoring wells in the North Area, South Area, and the Griffith Landfill. There were no VOC baseline exceedances. VOCs were either not detected or were detected at low concentrations in the upgradient, edge, and downgradient North Area wells. Chloroethane and benzene continue to be detected in the three interior wells in the upper aquifer (MW13, MW48, and MW49), with the concentration within the range of previous detections for MW48 and MW49. However, the concentrations at MW13 have decreased over the previous two sampling events. These concentration fluctuations may be related to changes in the shallow groundwater flow regime due to the remedial action construction activities. For the most part, contaminant concentration remained consistent in the North Area.

In the South Area, VOCs exceeded baseline concentrations for two wells, MW06 and MW15. VOCs in MW06 that exceeded baseline concentrations were benzene, ethyl benzene, and xylenes. Ethyl benzene was detected at 100 µg/L, below the sample quantitation limit (SQL). Benzene exceeded baseline concentrations in MW15. For the most part, contaminant concentrations remained consistent in the South Area. Most of these exceedences were for phenols, which is thought to be attributable to the type of tubing used for sampling. A study was completed and reported to the U.S. EPA in April 1998, showing that most of the phenol and many of the phthalate detections were associated with the hose used for sampling rather than characteristic of the Site. The next sampling event (June 1998) was conducted without using the phenol-contaminated hose and we believe the results will show that phenols and most phthalates are not relevant as indicators.

Due to changes in the groundwater flow regime, the Town of Griffith Landfill wells exhibited no consistent trend in VOC data except for a slight increase in benzene at MW15. (Benzene was detected at MW15 in each baseline sampling event, but at concentrations below quanitation levels. Therefore, the benzene level is reported as an estimated value. The estimated value for the December 1997 sampling was 1 ug/L above the highest previous estimated value.) Select semivolatile organic compounds (SVOCs) exceeded baseline concentrations for four wells. However, these respective concentrations were generally consistent with previous quarterly sampling events.

In the lower aquifer, no VOCs exceeded baseline concentrations. Five lower wells exceeded baseline concentrations for SVOCs. Most of these exceedences were for phenols, which are thought to be attributable to the type of tubing used for sampling. These respective concentrations were generally consistent with previous quarterly sampling events. Tentatively identified compounds (TICS) were detected in several lower aquifer monitoring wells. One TIC, ether, was detected in more than one lower aquifer monitoring well in the December 1997 sampling results. Ether was detected at a concentration of 2,500 ug/L in MW51 and at 2,700 ug/L in MW52. This is significantly lower than past baseline detections of ether in the lower aquifer.

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1.0 INTRODUCTION

1.1 PURPOSE AND ORGANIZATION OF TECHNICAL MEMORANDUM

This Technical Memorandum summarizes the December 1997 groundwater monitoring activities at the American Chemical Services NPL Site in Griffith, Indiana. The objectives of the groundwater monitoring activities, field data collection activities, evaluation of the December 1997 sampling data, a summary, and conclusions are presented in the following sections. Tables, figures and appendices are presented at the end of this report.

A baseline sampling report was completed with the September 1997 sampling and included a long-term groundwater monitoring plan. In accordance with the Groundwater Monitoring Plan this Technical Memorandum compares the December 1997 groundwater analytical results to the highest detected concentrations observed, for each well and parameter, during the baseline sampling. This comparison table is found in Appendix B.

1.2 SCOPE AND OBJECTIVES OF DECEMBER 1997 SAMPLING

The long-term groundwater monitoring plan is detailed in Section 4 of the September 1997 Technical Memorandum. In accordance with the plan, groundwater sampling will be conducted semi-annually at the wells in the monitoring network. One annual groundwater sampling event will be conducted for full Target Compound List (TCL) and Target Analyte List (TAL) analyses, while the other will be conducted for a reduced list of indicator parameters. The December 1997 sampling event was for full TCL and TAL analyses. The following objectives were developed for the Groundwater Monitoring Plan at the ACS NPL Site.

- Collect water level data to monitor groundwater flow in the upper and lower aquifers and calculate the hydraulic gradients between the aquifers.

- Collect water level data to document the performance of the PGCS and barrier wall extraction system (BWES) and to evaluate changes in the groundwater flow system resulting from the remedial actions (these activities are outlined in the Performance Standard Verification Plan, April 1997).

- Collect and analyze samples of the untreated groundwater to provide characterization of the water quality inside the barrier wall.

- Collect and analyze samples of treated water to document compliance with the effluent standards.

- Collect and analyze groundwater samples from upgradient monitoring wells in the upper and lower aquifer to document background groundwater quality.

- Collect and analyze groundwater samples from the monitoring wells at the downgradient boundaries of the Site to closely monitor the status of the boundaries of groundwater impacts.

- Collect and analyze groundwater samples from the interior of the areas of contaminated groundwater to document how concentrations change with time in response to the remedial actions.

- Assess progress toward attaining cleanup objectives in contaminated areas.

2.0 FIELD DATA COLLECTION ACTIVITIES DECEMBER 1997

Semi-annual groundwater monitoring activities were conducted in accordance with the U.S. EPA-approved Specific Operating Procedures (SOPs), the draft Quality Assurance Project Plan (QAPP), and U.S. EPA comments regarding the draft QAPP. The Pre-Design QAPP was submitted to the U.S. EPA in August of 1995, and as of this sampling event Montgomery Watson had not yet received approval. The December 1997 groundwater monitoring event consisted of the following activities:

- Water levels were measured in 119 upper and 32 lower aquifer wells, piezometers and staff gauges on December 8 and 9, 1997.

- Groundwater samples were collected from 24 monitoring wells screened in the upper aquifer and 23 monitoring wells screened in the lower aquifer during the period of December 9 through December 18, 1997 and analyzed for TCL and TAL parameters.

2.1 WATER LEVELS

Water levels were measured at upper and lower aquifer wells, piezometers, and at surface water staff gauges on December 8 and 9, 1997. Of the 141 monitoring points identified in the Groundwater Monitoring Plan, 26 were not measured due to various reasons including: dry staff gauges, wells destroyed inside the barrier wall due to construction activities, and monitoring points not located by field team. The water level measurements were used to develop a water table map (Figure 2) and the potentiometric surface map for the lower aquifer (Figure 3). Table 1 contains those water level measurements, along with map coordinates (reference points), top of inside well casing elevations, and calculated groundwater elevations for each measurement point.

2.2 GROUNDWATER SAMPLING

Groundwater samples were collected from 24 monitoring wells screened in the upper aquifer and 23 monitoring wells screened in the lower aquifer during the period of December 9 through December 18, 1997. Samples were sent overnight under chain-of-custody to Quanterra Environmental Services Laboratory where they were analyzed for TCL and TAL parameters. Tables 2 presents the upper aquifer wells that were sampled and Table 3 presents the lower aquifer wells that were sampled in December. The tables are organized by the area of groundwater contamination, well identification, location with respect to an area of groundwater contamination, and analyses run on the groundwater samples.

Prior to sampling, monitoring wells were purged using low-flow methods in accordance with the approved Monitoring Well Sampling SOP for the Upper Aquifer Investigation (revision: March 21, 1997). Field parameters including pH, specific conductivity, temperature, and turbidity were measured and recorded during well purging activities. Table 4 presents a summary of the field parameter measurements.

3.0 EVALUATION OF DECEMBER 1997 SAMPLING DATA

3.1 GROUNDWATER FLOW SYSTEM DATA

Water table and potentiometric surface maps have been developed for the upper and lower aquifers, respectively. Horizontal gradient calculations across the lower aquifer have been calculated. In addition, vertical gradients were calculated across three aquifer horizons: 1) the upper aquifer in the wetland area, 2) the lower aquifer, and 3) between the upper and lower aquifers. The following sections present and discuss the general gradients and flow directions in and between the upper and lower aquifers and the calculated gradients.

Vertical gradients were calculated for both the upper and lower aquifers from water level measurement data from adjacent wells and piezometers screened at different depths in each aquifer.

3.1.1 Groundwater Flow in the Upper Aquifer

The upper aquifer matrix is a homogeneous silty sand with no evidence of interlayering or bedding complexities. Since the water table maps are based on water levels collected at 4 staff gauges, 28 wells, and more than 100 piezometers, very little extrapolation was required to develop detailed contour plots. All water table maps developed for the ACS NPL Site since the remedial investigation in 1991 have consistently shown the same general groundwater flow patterns. While the contour lines defining the water table are curved, they clearly show consistent groundwater flow pathways from upgradient to downgradient areas.

Two remedial construction projects were completed in 1997, the PGCS and the BWES. The effect of these systems on the upper aquifer flow system is evident by comparing Figures 1 and 2. Figure 1 illustrates the water table configuration prior to construction and Figure 2 illustrates the water table configuration from December 1997 water level measurements (after construction). Comparison of the contour patterns on these two figures indicates that changes have occurred locally in the flow pattern, but that the general regional groundwater flow paths are unchanged.

The barrier wall prevents groundwater flow directly to the west from Colfax Avenue. The highest groundwater levels in the upper aquifer outside the barrier wall are located east of the ACS facility as indicated by MW18 (Figure 2). High water levels at this location in December 1997, and in previous sampling events, suggest the presence of a groundwater mound located approximately along Reder Road. In general, groundwater flow from the mound is diverted toward the north/northwest and south/southeast.

The groundwater is also diverted north/northwest around the north end of the barrier wall and is collected in the PGCS extraction trench or discharged to the drainage ditch (just beyond MW48). Groundwater diverted south flows toward the south/southwest.

The effect of the PGCS extraction system and effluent discharge is evident in the wetlands west of the ACS facility. The 629-foot and 630-foot elevation contour lines illustrate this effect. The 629-foot elevation contour line wraps around most of the PGCS extraction trench. A few hundred feet to the west, the 630-foot contour line shows the effect of treated water discharging into the wetlands from the three PGCS effluent distribution points.

3.1.2 Vertical Gradients in the Upper Aquifer

Table 5 shows the vertical gradient calculations within the upper aquifer based on the December 1997 water level measurements. The vertical gradients calculated in the wetland west of the ACS facility since 1996 are summarized below:

Piezometer Nest	August 1996	November 1996	March 1997	June 1997	September 1997	December 1997
P64/P65	0.009	0.000	0.016	-0.062	0.022	0.016
P66/P67	0.005	0.005	-0.003	0.013	0.007	0.002
P68/P69	0.000	0.000	0.010	0.002	0.003	0.007
P70/P71	-0.020	0.006	0.030	0.042	0.035	0.037

From these accumulated data, it is apparent that the vertical gradients are consistently upward, which is the typical occurrence in a wetland area where groundwater discharges to the surface. As in the past the vertical gradients in the upper aquifer were calculated by dividing the difference in head between nested piezometers by the distance between the screen midpoints.

3.1.3 Groundwater Flow in the Lower Aquifer

The lower aquifer water elevations listed in Table 1 are shown on Figure 3. The potentiometric plot of the lower aquifer was created using the elevations from the uppermost well within the lower aquifer at each nest location. The groundwater flow in the lower aquifer is essentially northward, consistent with the historical groundwater data. The horizontal hydraulic gradient in the lower aquifer was calculated using the measured difference in head between MW22, located in the southern portion of the Site, and MW10, located at the northern Site boundary. This difference, 1.10 feet on December 9, 1997, was divided by the lateral distance between the two wells (2,850 feet). Based on this calculation, the horizontal hydraulic gradient in the lower aquifer is 0.00039. As illustrated in the following table, the December 9, 1997 lower aquifer horizontal hydraulic gradient is consistent with previously calculated gradients.

Report of Hydraulic Gradient in Lower Aquifer		Horizontal Hydraulic Gradient
Remedial Investigation Report	(June 1991)	0.0006
Technical Memorandum	(October 1995)	0.00041
Lower Aquifer Tech Memo	(September 1996)	0.00047
Groundwater Monitoring Report	(August 1996)	0.00047
Groundwater Monitoring Report	(November 1996)	0.00049
Groundwater Monitoring Report	(March 1997)	0.00040
Groundwater Monitoring Report	(June 1997)	0.00044
Groundwater Monitoring Report	(September 1997)	0.00035
This Groundwater Monitoring Report	(December 1997)	0.00039

These accumulated data show a relatively low horizontal hydraulic gradient in the lower aquifer that may have decreased slightly after 1996. The lower aquifer is homogeneous like the upper aquifer. It also consists of sand, although it contains more gravel than the upper aquifer. Potentiometric maps developed since the remedial investigation in 1991 have shown a consistent gradient from south to north.

3.1.4 Vertical Gradients in the Lower Aquifer

Seven nested well sets have been installed in the lower aquifer. At each location, there are two to four monitoring wells and/or piezometers, each screened at a different depth within the lower aquifer. The depth intervals, in descending order, are the uppermost (Uppermost) portion, the upper (Upper) portion, the middle (Middle) and the lower (Lower) portion of the lower aquifer.

The water levels recorded for each of these wells are summarized in Table 1 and were used to calculate vertical hydraulic gradients between well screen intervals and the top and bottom of the lower aquifer at each location. Table 6 summarizes the calculated vertical gradients. Vertical gradients between the top and bottom of the lower aquifer have been similarly calculated for each of the past six quarters.

Well/Piezo Nest	August 1996	November 1996	March 1997	June 1997	September 1997	December 1997
MW7/MW36	NM	0.0004	-0.0006	-0.0010	NM	-0.0005
MW8/MW32	0.0002	0.0002	NM	NM	NA	NM
MW9R/MW34	-0.0002	-0.0002	0.0005	NM	NM	NM
MW51/MW33	NA	-0.0004	NM	NM	NM	-0.0040
MW28/PZ43	-0.0006	0.0028	NM	NM	NM	NM
MW52/MW53	NA	NA	-0.0008	-0.0004	-0.0004	-0.0008
MW54R/MW55	NA	NA	0.0008	NM	NM	-0.0012

Note

NM = indicates that no vertical gradient was measurable.

NA = A water level necessary for the calculation was not available

3.1.5 Vertical Gradient Between Upper and Lower Aquifer

Groundwater elevations from upper and lower aquifer monitoring points were used to calculate the vertical hydraulic gradient between the two aquifers at four locations (Table 7). The average groundwater elevations in the upper and lower aquifers are approximately 632 and 622 feet above mean sea level (AMSL), respectively, in December 1997 (see Figures 2 and 3). The confining clay layer between the upper and lower aquifer varies in thickness from greater than 30 feet to the south to less than 5 feet in the wetland to the northwest (MW-10C area). The calculated downward gradients show a high degree of variability, which is due to the differing clay confining layer thickness rather than the difference in head between the upper and lower aquifer. The vertical gradients in Table 7 were calculated by dividing the difference in head between the upper and lower aquifer wells by the thickness of the clay-confining layer between the two wells. Despite the apparent variability of the calculated gradient, there is a strong downward gradient from the upper to the lower aquifer.

3.2 MONITORING WELL SAMPLE DATA

Groundwater samples collected in December 1997 were analyzed for TCL organic and TAL inorganic parameters. The laboratory results were validated in accordance with U.S. EPA Region V guidelines, *U.S. EPA Contract Laboratory Program National Functional Guidelines For Organic Data Review (2/94)* and *Inorganic Data Review (2/94).* Evaluation of the data is discussed in Section 4.0. There was a holding time exceedence by the laboratory, resulting in estimated SVOC results in data for MW52, but results are consistent with past sampling rounds. Validation narratives and laboratory analytical reports for samples from the upper aquifer and the lower aquifer are provided in Appendices C and D, respectively. The analytical results of the December 1997 quarterly sampling were evaluated for evidence of contaminant migration, changes in contaminant concentrations over time and in response to remedial actions, and the presence of contaminants in the lower aquifer. Time trend plots are presented in Appendix A.

3.2.1 Groundwater Sampling Results in the Upper Aquifer

Table 8 presents a summary of TCL organic compounds detected in groundwater samples collected from upper aquifer monitoring wells during the December 1997 sampling event. Figure 4 presents the VOCs detected in the upper aquifer monitoring wells.

The areas of groundwater concern in the upper aquifer consist of the ACS Site and surrounding areas to the north, southeast, and southwest. The ACS Site, except for the wetlands, has been identified as the source of groundwater contamination. The Site is now within the barrier wall, which contains the contaminant source and prevents further migration of contaminants to the surrounding areas. Since the source is contained, the groundwater monitoring focuses on the surrounding aquifer areas not confined by the barrier wall. The surrounding areas consist of an area north of the ACS facility (north of the railroad tracks), east/southeast of Colfax Road, and the Griffith Landfill. The area north of the ACS Site is referred to as the North Area, the area south/southwest of Colfax is

referred to as the South Area, and the Griffith Landfill, which covers a large area to the southwest of the ACS Site. These areas, which are confined to the upper sand aquifer, are defined based on the upper aquifer's flow patterns

3.2.1.1 VOCs in Upper Aquifer Samples

Figure 4 shows the location of VOC detections in the upper aquifer on a map of the area surrounding the ACS Site. The contamination in the three surrounding areas is comprised primarily of chloroethane and benzene. Other VOCs were detected less frequently and at relatively lower concentrations than benzene and chloroethane. Table 8 summarizes the TCL organic compounds detected in the upper aquifer.

North Area. The North Area is monitored by an array of groundwater wells located hydraulically upgradient of the North Area, within the North Area, at the edge of the North Area, and hydraulically downgradient from the edge of the North Area. These wells are as follows:

Upgradient (east/northeast of Site)	Interior (north of Site)	Edge (north of Site)	Downgradient (north of Site)
MW11	MW13	MW39	MW37
MW12	MW48		MW38
MW40	MW49		

All VOCs detected in the North Area were below the maximum concentrations recorded in the baseline sampling. As with previous sampling events, VOCs were either not detected or were detected at low concentrations in the upgradient, edge, and downgradient North Area wells. VOCs were detected in the groundwater in the upgradient wells MW11, MW12, and edge well MW39, however, there were no detections in the downgradient wells. Vinyl chloride was detected at the edge in MW39 at 0.7 µg/L, which is below the sample quantification limit (SQL) (i.e., the measured concentration is below the linear calibration range of the laboratory instruments).

Many of the VOC concentrations measured in upgradient, edge, and downgradient North Area wells were qualified as estimated because the concentrations were below the SQL. Because of the uncertainty associated with the quantification of concentrations below the SQL, analysis of these results, including trend evaluation, is qualitative. These results are an indication that the wells mark the edge of contaminants and they are not indicative of migration or expansion.

Chloroethane and benzene continue to be detected in two of the three interior wells, MW48 and MW49, with the concentrations within the range of previous detections. However, as shown in the following table, the concentrations at MW13 have decreased over the previous two sampling events since the PGCS was completed.

Monitoring Well MW13 (Upper Aquifer)

Sampling Date	Chloroethane	Benzene
November 1996	97 µg/L	6 µg/L
March 1997	330 µg/L	170 µg/L
June 1997	570 µg/L	610 µg/L
September 1997	160 µg/L	33 µg/L
December 1997	20 µg/L	ND

The VOC concentrations at MW48 and MW49 do not exceed baseline concentrations and are significantly lower than detected concentrations of VOCs from past sampling events. VOC concentrations at MW48 and MW49 appear to fluctuate over time but stay within the same order of magnitude of concentration.

South Area. The South Area is monitored by an array of 10 groundwater wells located hydraulically upgradient of the South Area, within the South Area, at the edge of the South Area, and hydraulically downgradient from the edge of the South Area. These wells are as follows:

Upgradient (south/east of Site)	Interior (south/southeast of Site)	Edge (south/southeast of Site)	Downgradient (southeast of Site)
MW18	MW6	MW15	MW42
	MW19	MW41	MW43
	MW45	MW44	
		MW47	

Edge well MW19, and downgradient wells MW15 and MW42 had detectable levels of VOCs in groundwater samples. One VOC, benzene, exceeded the baseline concentration in MW15. There may be an increasing concentration trend at MW15, based on the estimated concentration both in December 1997 and the baseline sampling. The estimated concentration of benzene in the MW15 sample was 1 µg/L higher than the highest estimated concentration in the baseline results. At this early point in the monitoring program, action related to the baseline exceedance at MW15 will be limited to waiting until the next sampling event. Based upon the sample results from the next sampling event, the possible presence of an increasing concentration trend at MW15 will be reevaluated. VOC concentrations at MW19 and MW42 were below the maximum baseline concentrations.

Both interior wells MW06 and MW45 had detectable levels of VOCs. MW06 exceeded baseline VOC concentrations for benzene, ethylbenzene, and xylenes (BEX). The baseline exceedence at MW06 is not considered evidence that the contamination is increasing because the December 1997 BEX concentrations may exceed baseline maximum concentrations but they do not exceed historical maximum concentrations, which are shown in the following table. In addition, the construction of the barrier wall appears to have created an area of stagnant groundwater flow in the south area, which may allow for a

greater amount of BEX to concentrate in the groundwater around MW6. The concentrations of benzene at interior well MW45 have steadily decreased over the last four sampling events while the concentrations of chloroethane have stayed relatively constant over the last three sampling events. Therefore, it is too early in the groundwater monitoring program to make conclusions regarding increasing trends when information exists that suggests otherwise. The recommendation for action in regards to the baseline VOC exceedances at MW6 is limited to waiting until the next sampling event for another evaluation.

Monitoring Well MW6 (Upper Aquifer)

Sampling Date	Benzene		Total Xylenes	
August 1989	780 J	µg/L	170	µg/L
May 1990	1,500 J	µg/L	210	µg/L
January 1995	3,000	µg/L	3,900	µg/L
November 1996	320	µg/L	40	µg/L
March 1997	35	µg/L	ND	
June 1997	39	µg/L	ND	
September 1997	140	µg/L	29	µg/L
December 1997	1,900J	µg/L	220 J	µg/L

Note
J qualifier indicates concentration is estimated.
ND denotes not detected.

Monitoring Well MW45 (Upper Aquifer)

Sampling Date	Chloroethane		Benzene	
August 1996	82 J	µg/L	530	µg/L
March 1997	230	µg/L	1,100	µg/L
June 1997	120	µg/L	940	µg/L
September 1997	120	µg/L	860	µg/L
December 1997	130 J	µg/L	670	µg/L

Note
J qualifier indicates concentration is estimated.
ND denotes not detected.

Griffith Landfill. The Griffith Landfill covers the area primarily to the southwest of the off-site containment portion of the Site. Four upper aquifer wells were sampled within the landfill area: Griffith Landfill wells M-1S, M-3S, and M-4S. VOCs were not detected in samples collected at M-3S, which is located along the northwest boundary of the landfill. A chloroethane concentration of 0.5 µg/L was estimated in the groundwater sample collected at M-1S.

Chloroethane was detected in the sample collected at landfill well M-4S, located within the east landfill area just west of the groundwater containment barrier wall. In addition, methylene chloride was detected in M-4S at 10 µg/L, which is below the SQL. Although

the laboratory detected benzene at 75 ug/L in M-4S, the associated trip blankcontained benzene at a concentration of 0.2 ug/L, and therefore, during validation, this detection was qualified as a non-detect. The U.S. EPA split sample collected from M-4S contained a benzene concentration of 73 ug/L. The associated trip blank and U.S. EPA split sample of the field blank did not contain benzene above the detection limit (1 ug/L).

Monitoring Well MW-4S (Upper Aquifer)

Sampling Date	1,2-Dichloroethene		Chloroethane		Benzene	
March 1997	ND	µg/L	1,300	µg/L	98	µg/L
June 1997	15	µg/L	1,300	µg/L	190	µg/L
September 1997	ND		1,000	µg/L	73 J	µg/L
December 1997	ND		1,200 J	µg/L		ND

Note
J qualifier indicates concentration is estimated.
ND denotes not detected.

3.2.1.2 SVOCs in Upper Aquifer Samples

The SVOC concentrations reported for the December 1997 groundwater monitoring activities were generally consistent with historical concentrations. SVOC compounds detected in groundwater samples collected from the upper aquifer monitoring wells included diethylphthalate, 2,4-dimethylphenol, isophorone, 2,2'-oxybis(1-chloropropane), diethylphthalate, naphthalene, and phenol. Table 8 summarizes the TCL organic compounds detected in the upper aquifer.

Samples from six upper aquifer wells exceeded baseline concentrations for SVOCs in those wells. Samples from four of the six wells exceeded baseline concentrations for phenols. As discussed below, the presence of phenols is believed to be related to the type of tubing used during the December 1997 sampling event. Because samples from four of the six wells exceeded baseline concentrations for phenols and MW6 is one of the six wells with an SVOC baseline exceedance (see MW6 VOC baseline exceedance discussion in section 3.2.1.1), recommendation for action is limited to waiting until the next sampling event for another evaluation.

December 1997 sampling data indicates that overall phenol results were approximately twice as high in lower aquifer samples (mean concentration of 33.4 µg/L) than in upper aquifer samples (mean concentration of 16.9 µg/L). These results are consistent with previous samples collected using a specific vendor supplied hose and following the low flow sampling procedure. Sampling and testing of the hose (reported in detail on pages 16-18 in the September 1997 Groundwater Sampling Report) confirms that most of the phenol and phthalate detections are related to the sampling hose, rather than indicative of Site conditions. The phenol and phthalate issue will be more fully discussed in the June 1998 report.

As shown in the following tables, samples collected at well M-4S, located within the Griffith Landfill area just west of the barrier wall, showed a decrease of bis(2-

chloroethyl)ether between June and September 1997 and an increase in concentration between September and December 1997. The concentration of bis(2-chloroethyl)ether at well M-4S in December 1997 is, however, still below baseline concentrations for the Landfill. Bis(2-chloroethyl)ether concentration increased between the September and December 1997 sampling events in samples from monitoring well MW6. This increase resulted in an exceedence of the baseline concentration of 56 µg/L.

Monitoring Well M-4S (Upper Aquifer)

Sampling Date	Bis(2-chloroethyl)ether
March 1997	45 µg/L
June 1997	71 µg/L
September 1997	ND
December 1997	56 µg/L

Note
ND denotes not detected.

Monitoring Well MW6 (Upper Aquifer)

Sampling Date	Bis(2-chloroethyl)ether
March 1997	7 µg/L
June 1997	30 µg/L
September 1997	31 µg/L
December 1997	74 µg/L

Bis(2-ethylhexyl)phthalate was detected in monitoring well MW15 at a concentration of 6 µg/L. Bis(2-ethylhexyl)phthalate was not detected at this well during the June 1997 and September 1997 sampling events. For these reasons, the source of this compound is uncertain, although the compound is a common laboratory artifact. Further monitoring will be useful in determining the presence of any trends in concentrations.

3.2.1.3 Pesticides and PCBs

Pesticides or PCBs were not detected in upper aquifer groundwater samples collected during the December 1997 quarterly sampling activities. As noted in the previous sampling reports, pesticide and PCB detections are not common in groundwater samples from the Site. Pesticides have occasionally been detected in groundwater samples at trace levels. However, these detections have not been consistent in individual locations; therefore, the results are not considered representative of the upper aquifer.

3.2.1.4 Tentatively Identified Compounds (TICS)

Tentatively identified compounds (TICS) were detected in several upper aquifer monitoring wells. One TIC was reported in two monitoring wells (M1-S and MW13) in the December 1997 sampling results. Ether was detected at 4 ug/L in M1-S and at 31 ug/L in MW13. Historic detections of ether within these wells have been much higher, up to 20 ug/L in M1-S and up to 510 ug/L in MW13. The complete listing of TICs for individual monitoring wells is compiled in Appendix C along with the upper aquifer analytical results.

3.2.2 Groundwater Sampling Results from the Lower Aquifer

Table 9 presents a summary of TCL organic compounds detected in groundwater samples collected from lower aquifer monitoring wells during the December 1997 sampling event.

3.2.2.1 VOCs

Figure 5 summarizes the VOC detections in groundwater samples collected from lower aquifer monitoring wells. No VOCs were detected above the baseline maximum concentration levels.

Benzene was detected in the sample from MW9R, located west of the barrier wall, north of the railroad tracks, and east of the wetlands area, at a concentration of 260 µg/L. The following tabulation shows the concentration of benzene increased until September 1997 after which MW9 was replaced with MW9R.

VOC	May 1990	July 1990	Jan 1991	Jan 1995	Nov 1996	Mar 1997	Jun 1997	Sept 1997	Dec 1997
Benzene (µg/L)	<5	<5	<5	40	310	310	280	290	260

Other VOCs detected in the lower aquifer include chloroethane, methylene chloride, acetone, chloromethane, and toluene. These compounds were detected below baseline maximum concentration levels.

3.2.2.2 SVOCs

Samples from six lower aquifer wells (MW10C, MW23, MW32, MW33, MW51, and MW55) exceeded baseline concentrations for SVOCs. All six samples exceeded baseline concentrations for phenols or phthalates, which as discussed earlier in the report, are believed to be due to the type of tubing used during the December 1997 sampling event. Because samples from all 6 wells exceeded baseline concentrations for phenols and phthalates, recommendation for action is limited to waiting until the next sampling event for another evaluation.

Bis(2-chloroethyl)ether was detected in a sample from the lower aquifer in monitoring well MW9R at a concentration of 35 µg/L. This is consistent with previous bis(2-chloroethyl)ether analytical results for monitoring well MW9R.

Bis(2-ethylhexyl)phthalate was detected in the sample from monitoring wells MW7, MW10C, MW22, MW32, MW34, and MW55. Bis(2-ethylhexyl)phthalate has been detected in samples from these wells in the past, though sporadically. No consistent patterns or trends are apparent.

Other SVOC compounds detected in groundwater collected from the lower aquifer monitoring wells included di-n-butylphthalate, isophorone, butylbenzylphthalate, and di-n-octylphthalate. At least one of these compounds were found in monitoring wells

MW09R, MW10C, MW30, MW32, and MW53 at concentrations ranging from 0.6 ug/L to 4 ug/L which are below SQLs.

3.2.2.3 Pesticides and PCBs

Heptachlor (0.008 µg/L) and endrin aldehyde (0.011 µg/L) were detected in samples collected from lower aquifer monitoring wells MW32 and MW53, respectively during the December 1997 quarterly sampling event. Both concentrations are below the SQL. As with the upper aquifer, pesticide detections have been uncommon throughout historical groundwater monitoring activities at the Site. When pesticides have been detected in a well, there has not been a correlation to previous results. PCBs have not been detected in lower aquifer groundwater during this and previous groundwater sampling investigations.

3.2.2.4 Inorganic Parameters

Arsenic and beryllium concentrations in groundwater did not exceed baseline levels in any lower aquifer wells. Manganese exceeded baseline levels in three monitoring wells, M-4D, MW23, and MW55. Thallium exceeded baseline levels in one monitoring well, MW22.

3.2.2.5 Tentatively Identified Compounds (TICS)

Tentatively identified compounds (TICS) were detected in several lower aquifer monitoring wells. One TIC, ether, was detected in more than one well in the December 1997 sampling results. Ether was detected at a concentration of 2,500 ug/L in MW51 and at 2,700 ug/L in MW52. This is significantly lower than past baseline detections of ether in the lower aquifer. The highest historical concentrations of ether detected in Lower Aquifer wells are 13,000 ug/L and 7,300 ug/L for MW51 and MW52, respectively, and were observed during the March 1997 sampling event. The complete listing of TICs for individual monitoring wells is compiled in Appendix D along with the lower aquifer analytical results.

3.2.3 Inorganic Chemical Species

The December 1997 inorganic results are compiled in Appendix B along with the maximum baseline concentrations. Table 12 provides a single page summary of the wells and inorganic species that had baseline exceedances during the December 1997 sampling event. The majority of the monitoring wells, 34 out of 46, had at least one inorganic exceedance of a baseline value, and the majority of inorganic species, 20 out of 24, exceeded a baseline maximum in at least one well. (There were no exceedances above baseline of antimony, beryllium, total cyanide, and silver, so these are not included on Table 12.)

A total of 1,104 inorganic analyses were performed for the December 1997 groundwater sampling event (24 species at 46 wells). Of these, 124 detections (about 11%) exceeded the maximum concentration recorded during the four quarters of baseline sampling. The challenge at this early stage of the long-term monitoring program is to determine the demarcation between significance and non-significance, and then to highlight potentially significant results so that these can be re-evaluated and compared to future sampling results. The first step in the evaluation is to screen out the "statistical noise" and identify

the occurrences that have potential statistical significance. The second step is to highlight the results that appear to have a correlation to or with groundwater impacts.

3.2.3.1 Statistical Significance

For at least three reasons, we can expect numerous, non-significant, baseline exceedances of inorganic species during future sampling events: 1) because inorganic species are naturally occurring, 2) inorganic concentrations at a given sampling location vary over time, and 3) since total metals analyses are conducted on unfiltered water samples, particulates introduce random variability, related to the sample turbidity. Simply stated, it is more likely than not that there will be an exceedance of an inorganic species at some time in the future at each monitoring well.

The measures of statistical significance include: the magnitude of an individual exceedance, the total number of species that exceed the baseline in a given well during a sampling event, and the recurrence of an exceedance from one sampling event to the next. The magnitude of exceedances was highly variable in the December results. Some baseline inorganic values were exceeded by a fraction of a percent (calcium in MW34 and potassium in MW9R) and others by more than 500 percent (total chromium in MW47 and sodium in MW44). There was also a wide range in total number of exceedances in individual wells. Groundwater samples from 12 of the 46 sample wells had no exceedances at all, while samples from two monitoring wells (MW13 and MW23) showed exceedances of 12 out of the 24 inorganic species. For the purposes of this evaluation, the first long-term monitoring event after completion of the baseline sampling, statistical significance will be defined on the basis of magnitude and frequency of exceedance. The statistical significance of recurrence will be evaluated after the next sampling event has been completed.

Frequency and Magnitude are defined as follows:

Frequency: The inorganic results of a given well are considered potentially significant if more than 25 percent (7 or more) of the analyzed compounds exceed their baseline concentrations

Magnitude: An exceedance is considered potentially significant if the December 1997 result is at least twice the concentration of the baseline maximum for the given specie at the given well.

The December 1997 inorganic sampling results of eight monitoring wells meet these definitions of potential statistical significance. They include upper aquifer wells MW11, MW13, MW15, MW42, MW44, and MW47 and lower aquifer wells M-4D and MW23. The following summarizes the occurrences at each of these wells. See Table 12 for additional details.

<u>Upper Aquifer Monitoring Wells</u>

MW11 Baseline exceedances of seven inorganic species: *Al, Ba, Co, Cu, Fe, Ni, and V*
Cu, Fe, V exceedances greater than twice the baseline maximum.

MW13 Baseline exceedances of twelve inorganic species: *Al, As, Ba, Cr, Co, Cu, Fe, Pb, Mg, Mn, Ni, V, and Zn*
Al, Cr, Cu, Fe, N, V, Zn exceedances greater than twice the baseline maximum.

MW15 Baseline exceedances of seven inorganic species: *Al, Ba, Co, Hg, K, Na, and V*

MW42 *Cu* exceedance greater than twice the baseline maximum.

MW44 Baseline exceedances of seven inorganic species: *Ba, Ca, Mg, Ni, K, Se, and Na*
Na exceedance greater than twice the baseline maximum.

MW47 *Cr* exceedance greater than twice the baseline maximum.

Lower Aquifer Monitoring Wells

M-4D Baseline exceedances of eight inorganic species: *Al, Ba, Ca, Co, Fe, Mn, K, and V*

MW23 Baseline exceedances of twelve inorganic species: *Al, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Ni, V, and Zn*

3.2.3.2 Relevance to Monitoring Objectives

Paraphrasing from Page 2 of this report, the objectives of long-term monitoring include: monitoring the status of the boundaries of groundwater impact areas, documenting changes in contaminant concentrations with time and in response to remedial actions, and assessing progress toward attaining cleanup objectives. It is too early in the long-term monitoring program to draw definitive conclusions regarding statistical significance of inorganic sampling results, or to conclude whether the areas of potential inorganic groundwater impact are remaining the same or changing. However, it is possible to identify observed correlation between inorganic exceedances and changes that are to be expected, given the remedial work that has been completed.

The inorganic results showing the greatest potential significance are not found in the areas of highest contamination, but are found in the outer limits of areas of contamination, and in areas where groundwater flow paths were changed by remedial construction.

The two upper aquifer monitoring wells showing the greatest potential statistical significance are MW11 and MW13. Both of these monitoring wells are located in areas in which groundwater flow has changed significantly since mid-1997. The installation and operation of the PGCS has reversed the groundwater flow direction in the vicinity of MW13 and the installation of the barrier wall and operation of the PGCS appear to have modified the direction of groundwater flow past the MW11 location (see Figures 1 and 2 for comparison). These physical changes in the groundwater flow system could be causing the chemical change necessary to account for the inorganic baseline exceedances.

The other three upper aquifer monitoring wells with potential statistical significance are all perimeter wells in the south area. These monitoring wells mark the outer extent of the south area of contamination. The volatile contaminants of concern for the Site have either

not been detected in samples from these wells or have been detected only at very low trace concentrations.

The samples of lower aquifer monitoring wells M-4D and MW23 show less potential statistical significance than samples from the six upper aquifer wells. These two lower aquifer wells were classified with potential statistical significance based only on the frequency of exceedance. None of the exceedances occurred by a factor of two or more. M-4D is a Town of Griffith Landfill monitoring well and trace levels of chloroethane have been detected in samples collected from it. MW23 is about 500 feet downgradient from the lower aquifer contamination in the vicinity of MW9R. Trace levels of chloroethane have also been detected in samples from this well. So the possible statistical significance of these results correlates to locations where the organic contaminants exist but at very low concentrations.

It is important to note that these inorganic species are naturally occurring in the aquifers and they have not been identified as significant components of groundwater contamination within the contaminant source areas

Many of the inorganic compounds that exist naturally in the aquifer are known to play a part in the chemical reactions associated with natural attenuation processes. It has been shown that the biochemical processes that cause natural attenuation can modify the pH and the pE of the groundwater and it is known that the solubility of many metals varies in accordance with the pH and pE of water. Therefore, it is possible that active natural attenuation will be accompanied by increased concentrations of certain inorganic species. This phenomenon will be further evaluated and described in the Natural Attenuation Report, if it is shown to be occurring and also documented in future monitoring reports.

3.3 PRIVATE WELL SAMPLING

Private wells were not sampled as part of the December 1997 groundwater sampling event. The 1998 private well sampling is scheduled to occur in September 1998.

3.4 PGCS PRE AND POST GROUNDWATER TREATMENT SAMPLES

No samples of the untreated groundwater from inside the barrier wall were collected during the December 1997 round of sampling. One effluent sample from the treatment plant was collected on December 23, 1997. The results from the effluent sample are summarized in Table 10. All compounds and analytes detected in the effluent sample were below permitted effluent discharge standards.

3.5 NATURAL ATTENUATION SAMPLES

Samples were collected from select wells for natural attenuation/bioremediation parameters. These parameters are: ammonia-N, biological oxygen demand (BOD), nitrate, nitrite, sulfate, orthophosphate, total kjeldahl nitrogen (TKN), and total organic carbon (TOC). Analytical results for the natural attenuation samples are presented in Table 11. Laboratory reports for the samples are presented in Appendix C. These sampling results will be used in the Natural Attenuation Report to be completed in 1999.

4.0 SUMMARY AND CONCLUSIONS

4.1 SUMMARY OF GROUNDWATER FLOW SYSTEMS

The groundwater flow systems for both the upper and lower aquifers are similar to previous monitoring events. Groundwater flow within the upper aquifer, in general, is from the east and is diverted toward the north/northwest and south/southwest around the ACS Site by the barrier wall. Vertical gradients within the upper aquifer below the wetlands are upwards. Consistent with historical data, the groundwater flow within the lower aquifer is essentially northward. Vertical gradients measured within the lower aquifer were variable; of the calculated gradients, eight were downward, three were upward, and nine were within the margin of potential error in water level measurement. This variability in the context of previous results indicates that there is not an overall trend to the vertical gradient data in the lower aquifer. Vertical gradients between the upper and lower aquifers were also downward. There were no significant changes or variances from the baseline groundwater flow system.

4.2 SUMMARY OF MONITORING WELL SAMPLE DATA

VOCs were detected in both the upper and lower aquifers. The sample from one upper aquifer well, MW06, (located inside the south contaminated area) exceeded baseline concentrations for benzene, ethylbenzene, and xylenes. Although a trend is apparent, based on very low, estimated results at MW15 all of these results were estimated and below the SQL of 10 ug/L. Though VOCs were detected in upgradient, edge, and downgradient upper aquifer wells, none exceeded baseline concentrations. No VOCs exceeded baseline concentrations within the lower aquifer. Benzene was detected in the sample from MW9R at a concentration of 260 µg/L, which is below the September 1997 concentration of 290 µg/L, which is also the maximum baseline concentration.

SVOCs were detected in both the upper and lower aquifer groundwater samples. Twelve wells, 6 upper aquifer wells and 6 lower aquifer wells, exceeded baseline concentrations for SVOCs. Samples from ten of the twelve wells exceeded baseline concentrations for phenols or phthalates. These compounds have been shown to be due to the type of tubing used during the December 1997 sampling event.

Pesticides and PCBs were not detected in upper aquifer samples. Heptachlor (0.008 µg/L) and endrin aldehyde (0.011 µg/L) were detected in samples from lower aquifer monitoring wells MW32 and MW53, respectively during the December 1997 quarterly sampling event. Pesticide detections have been uncommon and random throughout historical groundwater monitoring activities at the Site. PCBs have not been and were not detected in the lower aquifer samples.

Arsenic, manganese, and thallium exceed baseline concentrations in at least one groundwater sample for the December 1997 sampling event. Arsenic exceeded baseline levels in upper aquifer wells MW6 and MW13. Manganese exceeded baseline levels in upper aquifer well MW13. Manganese exceeded baseline levels in lower aquifer monitoring wells M-4D, MW23, and MW55. Thallium exceeded baseline levels in lower aquifer well MW22.

Most of the inorganic analytes detected exceed baseline concentrations in at least one well for the December 1997 sampling event. The exceedances do not appear to be significant based upon: expected statistical scatter in the data population, and the exceedances are less than two times the baseline (except for MW13). A suspected cause for some of the baseline exceedances within the upper aquifer is that the barrier wall has changed the course of groundwater flow around the site and, therefore, changed the upgradient source of groundwater for most site wells.

One TIC, ether, was reported in samples from two upper aquifer monitoring wells and three lower aquifer monitoring wells for the December 1997 sampling results. The highest detected concentration of ether within the upper aquifer was 31 ug/L at monitoring well MW13. The highest detected concentration of ether in the lower aquifer was 2,700 ug/L at monitoring well MW52.

4.3 CONCLUSIONS

Overall, groundwater quality samples for the upper and lower aquifers were generally consistent with the baseline sampling data, showing only minor changes.

Water level data was collected to monitor groundwater flow in the upper and lower aquifers and calculate the hydraulic gradients between the aquifers. The collected data indicates groundwater flow directions and groundwater gradients for the December 1997 sampling event are consistent with the conditions for both the upper and lower aquifers.

Water level data was also collected to document the performance of the PGCS and BWES and to evaluate changes in the groundwater flow system resulting from the remedial actions. Collected data indicate the barrier wall is containing the groundwater enclosed within the wall. High water levels at MW18 in December 1997, and in previous sampling events, suggest the presence of a groundwater mound outside the barrier wall located approximately along Reder Road. In general, groundwater flow from the mound is diverted toward the north/northwest and south/southeast. The groundwater is also diverted north/northwest around the north end of the barrier wall and is collected in the PGCS extraction trench or discharged to the drainage ditch (just beyond MW48). Groundwater diverted south flows toward the south/southwest. These observations are consistent with baseline observations.

Samples of the untreated groundwater inside the barrier wall were not collected during the December 1997 sampling event. Influent water to the treatment plant will be collected and evaluated as part of the June 1998 sampling event.

One effluent sample from the treatment plant was collected on December 23, 1997, to document compliance with the effluent standards. All compounds and analytes detected in the effluent sample were below permitted effluent discharge standards.

Groundwater samples were collected from upgradient monitoring wells in the upper and lower aquifer to document background groundwater quality. Sample analytical results indicate no exceedances of baseline concentrations for VOCs. SVOC baseline exceedances are attributed to the type of tubing used, and the inorganic baseline exceedances are attributed to statistical scatter in both the upper and lower aquifers and the change in groundwater flow due to the barrier wall in the upper aquifer.

Groundwater samples were collected from monitoring wells downgradient of the Site boundaries to closely monitor the status of the boundaries of groundwater impacts. Sample analytical results for the downgradient wells indicate one exceedance of baseline concentrations for VOCs. SVOC baseline exceedances are attributed to the type of tubing used, and the inorganic baseline exceedances are attributed to statistical scatter in both the upper and lower aquifers and the change in groundwater flow due to the barrier wall in the upper aquifer. There are no indications that the boundaries of groundwater impact are changing.

Groundwater samples were collected from monitoring wells within the interior areas of contaminated groundwater to document how concentrations change with time and in response to the remedial actions. Sample analytical results indicate that at all interior wells concentrations were below baseline results for VOCs, except for MW06. The baseline exceedences of several VOCs at MW06 are not considered significant due to the historical fluctuation of VOC concentrations at MW06. In addition, initial results from the June 1998 sampling event indicate VOC sample concentrations at MW06 are significantly lower than December 1997 data and are below baseline concentrations. SVOC baseline exceedences are attributable to the type of tubing used, and the inorganic baseline exceedences are attributed to statistical scatter in both the upper and lower aquifers and the change in groundwater flow due to the barrier wall in the upper aquifer.

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1252042.221601

Table 1
Groundwater Elevations - December 1997
American Chemical Service, Inc. NPL Site

Lower Aquifer Wells

Well Designation	Reference Points			12/8/97		Notes
	East	North	TOIC	Depth	Elevation	
MW-7	6113	6732	641.46	19.41	622.05	
MW36	6164	6768	637.85	15.82	622.03	
MW-8	5934	7506	640.43	18.72	621.71	
MW31	5907	7505	641.64	19.93	621.71	
MW32	5902	7507	641.84	20.12	621.72	
MW-09R	4893	6990	639.05	22.75	616.30	
MW29	4886	7012	638.06	15.94	622.12	
MW34	4880	7002	638.14	16.00	622.14	
MW-10	5200	7784	635.49	13.79	621.70	
MW30	5194	7774	634.25	12.72	621.53	
MW33	5189	7774	634.13	12.60	621.53	
MW51	5198	7767	634.16	12.61	621.55	
MW-10C	5229	7554	637.45	15.51	621.94	
MW-21	4546	7067	633.76	11.72	622.04	
MW-22	5208	4898	636.48	13.68	622.80	
MW-23	4717	7404	633.31	11.36	621.95	
MW-24	4596	8033	635.22	13.71	621.51	
MW28	5657	5696	648.77	26.14	622.63	
MW50	5269	5383	649.43	26.85	622.58	
ATMW-4D	5297	7311	637.99	NM	NM	
W-2	5292	7307	638.46	9.19	629.27	
M-1D	4359	5747	638.32	15.86	622.46	
M-2D	3997	6495	637.11	14.89	622.22	
M-3D	4144	6821	632.19	10.02	622.17	
M-4D	4949	6538	633.32	11.20	622.12	
MW35	4934	6542	634.50	NM	NM	
M-5D	4171	7094	634.18	12.09	622.09	
MW52	4996	7814	632.74	11.04	621.70	
MW53	4977	7833	632.87	11.21	621.66	
MW54R	5590	7592	636.05	14.51	621.54	
MW55	5595	7604	636.63	15.15	621.48	

Lower Aquifer Piezometers

Well Designation	Reference Points			12/8/97		Notes
	East	North	TOIC	Depth	Elevation	
PZ44	6170	6766	638.47	16.44	622.03	
PZ42	5662	5696	648.44	25.82	622.62	
PZ43	5662	5702	648.69	26.04	622.65	

Table 1
Groundwater Elevations - December 1997
American Chemical Service, Inc. NPL Site

Upper Aquifer Wells

Well Designation	Reference Points			12/8/97		Notes
	East	North	TOIC	Depth	Elevation	
MW-2	5033	6839	638.05	NM	NM	
MW-3	5299	7314	636.62	8.36	628.26	
MW-4	6112	7126	641.05	8.42	632.63	
MW-5	5788	6482	642.13	9.50	632.63	
MW-6	5298	5520	655.28	23.86	631.42	
MW-11	6377	7329	640.47	7.95	632.52	
MW-12	6019	6352	642.74	10.01	632.73	
MW-13	5050	7814	634.08	3.76	630.32	
MW-14	4882	6995	638.56	9.84	628.72	
MW-15	4721	5003	637.89	6.98	630.91	
MW-16	5065	6596	638.52	NM	NM	
MW-17	5656	5677	647.14	15.29	631.85	
MW-18	5836	5746	644.89	11.46	633.43	
MW-19	5231	4943	635.78	4.84	630.94	
MW-20	5095	5028	642.98	11.98	631.00	
AM-05	5224	6360	637.28	NM	NM	
Red Well	5204	6466	639.01	3.50	635.51	
W-1	5305	7323	637.33	15.49	621.84	
MW37	5395	7976	636.78	8.98	627.80	
MW38	5903	8216	636.51	5.46	631.05	
MW39	6253	7947	637.77	5.96	631.81	
MW40	6349	6831	639.46	6.55	632.91	
MW41	6242	4517	632.74	7.99	624.75	
MW42	6264	3808	632.32	5.86	626.46	
MW43	5880	3719	633.56	6.43	627.13	
MW44	5390	4303	633.04	4.10	628.94	
MW45	5830	4388	635.35	6.81	628.54	
MW46	4526	7424	633.32	2.91	630.41	
MW47	5958	5084	640.54	7.66	632.88	
MW48	5669	7814	636.36	5.41	630.95	
MW49	5551	7650	637.00	6.46	630.54	

Upper Aquifer Landfill Wells

Well Designation	Reference Points			12/8/97		Notes
	East	North	TOIC	Depth	Elevation	
M-1S	4362	5743	639.09	7.77	631.32	
M-2S	3999	6491	637.12	7.61	629.51	
M-3S	4142	6819	631.88	4.26	627.62	
M-4S	4953	6537	633.42	5.06	628.36	
M-5S	4170	7089	634.17	5.06	629.11	

Table 1
Groundwater Elevations - December 1997
American Chemical Service, Inc. NPL Site

Staff Gauges

Well Designation	Reference Points			12/8/97		Notes
	East	North	TOSG	Depth	Elevation	
SG-1	5023	6196	633.50	NM	NM	Dry
SG-2	4423	6864	622.84	NM	NM	
SG-3	4180	7123	631.17	1.30	629.87	
SG-4	5228	6611	635.73	NM	NM	
SG-5	5464	7713	633.36	2.96	630.40	
SG-6	4495	8075	632.97	2.49	630.48	
SG-7	5403	6889	637.01	1.16	635.85	
SG-9	3846	6336	632.42	NM	NM	
SG-10	6748	7238	637.29	NM	NM	Dry
SG-8R	5409	5252	634.70	NM	NM	Dry
SG-11	5859	8245	634.62	NM	NM	Dry
SG-12	5596	7867	634.12	NM	NM	Dry

Table 1
Groundwater Elevations - December 1997
American Chemical Service, Inc. NPL Site

Piezometers

Well Designation	Reference Points			12/8/97		Notes
	East	North	TOC	Depth	Elevation	
LW-1	4807	5070	644.57	13.51	631.06	
LW-2	4662	5465	649.70	18.49	631.21	
P-1	5696	6388	643.49	7.90	635.59	
P-2	5577	6165	645.57	NM	NM	
P-3	5453	6470	639.87	4.30	635.57	
P-4	5432	6228	639.25	NM	NM	
P-5	5285	6510	636.70	1.30	635.40	
P-6	5150	6551	638.75	NM	NM	
P-7	5950	6630	643.63	10.81	632.82	
P-8	6156	6734	639.27	6.39	632.88	
P-9	6134	6994	638.88	6.14	632.74	
P-10	5413	5852	649.32	NM	NM	
P-11	5199	5900	649.14	13.35	635.79	
P-12	5076	5723	650.08	NM	NM	
P-13	4878	5735	651.20	19.73	631.47	
P-14	5014	5914	645.33	14.17	631.16	
P-15	5003	6187	639.93	9.85	630.08	
P-16	4673	5749	648.80	17.09	631.71	
P-17	4584	6006	654.64	24.15	630.49	
P-18	4623	6224	649.84	7.84	642.00	
P-19	4977	5043	639.71	NM	NM	
P-20	5087	6212	641.13	4.84	636.29	
P-21	4569	6537	632.82	NM	NM	
P-22	4636	6732	634.30	7.41	626.89	
P-23	4689	7018	636.18	7.04	629.14	
P-24	5002	7178	636.06	6.81	629.25	
P-25	5131	7510	635.01	5.95	629.06	
P-26	4764	7309	634.23	4.14	630.09	
P-27	4904	7020	639.70	10.70	629.00	
P-28	5883	7486	644.53	12.87	631.66	
P-29	5738	6619	642.37	6.85	635.52	
P-30	5626	6793	642.42	8.49	633.93	
P-31	5480	7159	641.03	5.46	635.57	
P-32	5746	7026	642.32	6.73	635.59	
P-33	5226	7129	640.20	4.77	635.43	
P-34	5279	6692	639.46	4.16	635.30	

Table 1
Groundwater Elevations - December 1997
American Chemical Service, Inc. NPL Site

Piezometers Cont.

Well Designation	Reference Points			12/8/97		Notes
	East	North	TOC	Depth	Elevation	
P-35	5515	6572	641.44	5.79	635.65	
P-36	5410	6851	645.89	10.13	635.76	
P-37	5330	6949	641.37	NM	NM	
P-38	5149	6992	639.87	NM	NM	
P-39	5940	6902	642.00	6.50	635.50	
P-40	5931	7241	638.77	6.25	632.52	
P-41	5663	7377	637.23	5.31	631.92	
P-49	5145	6949	638.98	3.27	635.71	
P-50	5129	6964	639.59	NM	NM	
P-51	3876	6859	635.07	NM	NM	
P-52	4100	7845	636.66	6.49	630.17	
P-53	4597	8015	636.18	5.76	630.42	
P-54	4936	8081	638.28	7.61	630.67	
P-55	5628	7979	636.08	5.39	630.69	
P-56	6405	7665	639.46	7.10	632.36	
P-57	6783	7573	638.05	5.15	632.90	
P-58	6454	6932	638.30	5.44	632.86	
P-59	6389	6590	639.22	6.25	632.97	
P-60	6111	6051	640.23	7.27	632.96	
P-61	5533	5284	638.58	7.43	631.15	
P-62	5665	4945	637.06	5.47	631.59	
P-63	5483	7689	637.70	7.29	630.41	
EW-1	5113	6942	639.50	NM	NM	
P-64	4617	7065	634.87	5.38	629.49	
P-65	4615	7063	634.77	5.20	629.57	
P-66	4729	7034	636.02	6.78	629.24	
P-67	4732	7034	636.06	6.80	629.26	
P-68	4743	7752	634.48	3.85	630.63	
P-69	4741	7751	634.66	3.99	630.67	
P-70	4880	7680	635.38	5.21	630.17	
P-71	4876	7682	635.32	4.93	630.39	

Table 1
Groundwater Elevations - December 1997
American Chemical Service, Inc. NPL Site

New Piezometers - Upper Aquifer

Well Designation	Reference Points			12/8/97		Notes
	East	North	TOIC	Depth	Elevation	
P-81	5577	7581	636.19	6.29	629.90	
P-82	5577	7572	635.77	6.09	629.68	
P-83	5577	7562	635.95	6.19	629.76	
P-84	5322	7603	634.35	4.78	629.57	
P-85	5326	7594	634.08	4.45	629.63	
P-86	5329	7585	634.41	6.02	628.39	
P-87	5121	7466	633.88	4.94	628.94	
P-88	5130	7460	633.90	5.48	628.42	
P-89	5137	7454	634.02	5.57	628.45	
P-90	4881	7152	632.59	3.57	629.02	
P-91	4889	7145	632.97	4.04	628.93	
P-92	4896	7138	633.63	4.14	629.49	
P-93	5136	7067	638.79	7.38	631.41	
P-94	5146	7061	638.98	NM	NM	
P-95	5146	6532	638.58	9.74	628.84	
P-96	5156	6537	638.39	2.99	635.40	
P-97	5098	6283	638.39	8.76	629.63	
P-98	5130	6279	639.35	3.30	636.05	
P-99	5020	5945	644.35	13.19	631.16	
P-100	5031	5948	643.93	7.76	636.17	
P-101	5550	5979	650.08	18.85	631.23	
P-102	5517	5996	647.18	11.40	635.78	
P-103	5672	6248	644.97	12.35	632.62	
P-104	6267	5639	646.68	10.98	635.70	
P-105	6678	5885	638.86	5.90	632.96	
P-106	6685	5871	638.10	3.03	635.07	
P-107	5766	7339	637.42	5.81	631.61	
P-108	5757	7324	638.13	2.88	635.25	

Note
All depth measurements and elevations are in units of feet.
TOIC = Top of Inner Casing

Table 2
Upper Aquifer Wells Sampled
American Chemical Service, Inc. NPL Site

	Area of Groundwater Contamination	Well Identification	Location with Respect to Area of Groundwater Contamination	Monitoring Parameters June 1998
1	North	MW-11	Up Gradient	TCL/TAL
2		MW-12	Up Gradient	TCL/TAL
3		MW40	Up Gradient	TCL/TAL
4		MW13	Internal	TCL/TAL
5		MW48	Internal	TCL/TAL
6		MW49	Internal	TCL/TAL
7		MW39	Side Gradient	TCL/TAL
8		MW37	Downgradient	TCL/TAL
9		MW38	Downgradient	TCL/TAL
10		MW14	Internal	TCL/TAL
11		MW46	Side Gradient	TCL/TAL
12		M-1S	Griffith Landfill	TCL/TAL
13		M-3S	Griffith Landfill	TCL/TAL
14		M-4S	Griffith Landfill	TCL/TAL
15	South	MW18	Upgradient	TCL/TAL
16		MW6	Internal	TCL/TAL
17		MW19	Internal	TCL/TAL
18		MW45	Internal	TCL/TAL
19		MW41	Side Gradient	TCL/TAL
20		MW44	Side Gradient	TCL/TAL
21		MW47	Side Gradient	TCL/TAL
22		MW15	Side Gradient	TCL/TAL
23		MW42	Downgradient	TCL/TAL
24		MW43	Downgradient	TCL/TAL

Note:

TCL/TAL: Full scan Target Compound List and Target Analyte List Parameters

Table 3
Lower Aquifer Wells Sampled
American Chemical Service, Inc. NPL Site

	Well Identification	Well Screen Depth in Lower Aquifer	Location with Respect to Area of GW Contamination	Monitoring Parameters June 1998
1	MW22	Upper	Upgradient	TCL/TAL
2	MW28	Upper	Upgradient	TCL/TAL
3	MW50	Upper	Upgradient	TCL/TAL
4	MW7	Upper	Side Gradient	TCL/TAL
5	MW36	Middle	Side Gradient	TCL/TAL
6	MW10C	Upper	Internal	TCL/TAL
7	MW9R	Upper	Internal	TCL/TAL
8	MW29	Middle	Internal	TCL/TAL
9	MW34	Lower	Internal	TCL/TAL
10	MW23	Upper	Downgradient	TCL/TAL
11	MW24	Upper	Downgradient	TCL/TAL
12	MW52	Upper	Downgradient	TCL/TAL
13	MW53	Lower	Downgradient	TCL/TAL
14	MW51	Upper	Downgradient	TCL/TAL
15	MW30	Middle	Downgradient	TCL/TAL
16	MW33	Lower	Downgradient	TCL/TAL
17	MW54R	Upper	Downgradient	TCL/TAL
18	MW55	Lower	Downgradient	TCL/TAL
19	MW8	Upper	Downgradient	TCL/TAL
20	MW31	Middle	Downgradient	TCL/TAL
21	MW32	Lower	Downgradient	TCL/TAL
22	M-4D	Upper	Griffith Landfill	TCL/TAL
23	ATMW-4D	Upper	ACS Site	TCL/TAL

Note:

TCL/TAL: Full scan Target Compound List and Target Analyte List Parameters

Table 4
Summary of Field Parameter Results
American Chemical Service, Inc. NPL Site

Well ID	December 1997 Field Parameters					September 1997 Turbidity (NTU)
	pH (std. units)	Conductivity (umhos/cm)	Conductivity (adjusted to 25°C)	Temperature (°C)	Turbidity (NTU)	
M1S	6.60	2740	3477	14.4	8.0	52
M3S	6.73	1055	1353	14.0	19.0	--
M4S	6.26	2470	3216	13.4	57.0	99
M4D	7.38	991	1354	11.6	160.0	133
MW6	6.49	1670	2239	12.3	37.0	28
MW7	11.51	952	1276	12.3	11.0	98
MW8	7.69	430	567	12.9	1.3	45
MW9R	6.78	1310	1701	13.5	88.0	91
MW10C	7.16	1680	2216	12.9	202.0	251
MW11	6.35	287	377	13.1	97.0	315
MW12	6.75	432	579	12.3	289.0	155
MW13	7.16	771	1092	10.3	10.0	24
MW14	6.96	387	507	13.2	341.0	407
MW15	7.07	4910	6344	13.7	58.0	15
MW18	6.83	959	1292	12.1	0.8	5
MW19	7.59	5080	6940	11.6	10.0	34
MW21	7.28	894	1149	13.9	63.0	45
MW22	8.21	2960	3947	12.5	60.0	86
MW23	7.36	720	973	12.0	261.0	150
MW24	7.15	959	1249	13.4	377.0	370
MW28	8.07	444	572	13.8	2.7	323
MW29	7.17	1223	1635	12.4	37.0	19
MW30	7.51	869	1174	12.0	80.0	168
MW31	7.40	18	24	12.5	96.0	175
MW32	7.38	827	1091	12.9	160.0	201
MW33	6.75	2970	4057	11.6	10.0	26
MW34	7.62	898	1197	12.5	38.0	17
MW36	7.37	822	1105	12.2	22.0	97
MW37	6.99	644	915	10.2	69.0	86
MW38	6.45	452	626	11.1	7.0	143
MW39	6.70	1392	1966	10.4	19.0	229
MW40	6.41	249	343	11.3	34.0	24
MW41	6.94	623	803	13.8	17.0	12
MW42	6.93	881	1217	11.2	12.0	335
MW43	6.79	897	1222	11.7	177.0	344
MW44	7.07	1750	2507	9.9	18.0	72
MW45	6.87	1258	1728	11.4	24.0	10
MW46	6.58	1011	1453	9.8	8.0	20
MW47	5.53	226	310	11.5	7.0	32
MW48	6.71	725	1054	9.4	7.0	57
MW49	6.72	659	908	11.3	68.0	27
MW50	7.46	2720	3532	13.5	439.0	444
MW51	7.14	1520	2000	13.0	97.0	168
MW52	7.18	1590	2044	13.9	45.0	92
MW53	6.73	3960	5351	12.0	100.0	257
MW54	7.45	1153	1509	13.2	40.0	100
MW55	7.32	834	1178	10.4	32.0	189

Notes: NTU = nephelometric turbidity units
-- = turbidity measurement not collected

Table 5

Vertical Gradients in Wetland - December 1997
American Chemical Service, Inc. NPL Site

Piezometer Nest	Screen Interval		Screen Midpoint	Separation (feet)	Groundwater Elevation			Hydraulic Gradient
	Top	Bottom			Upper	Lower	delta	
P64	629.05	624.10	626.58	5	629.49			
P65	622.20	620.20	621.20			629.57	+0.08	+0.016
P66	629.45	625.10	627.28	8	629.24			
P67	620.50	618.50	619.50			629.26	+0.02	+0.002
P68	628.15	623.80	625.98	6	630.63			
P69	621.10	618.60	619.85			630.67	+0.04	+0.007
P70	628.55	624.20	626.38	6	630.17			
P71	621.00	619.00	620.00			630.39	+0.22	+0.037

Notes:
Water levels collected by Montgomery Watson on December 8 and 9, 1997.
Positive values indicate upward gradient. Negative values indicate downward gradient

Table 6
Vertical Gradients in Lower Aquifer - December 1997
American Chemical Service, Inc. NPL Site

Well	Screen Interval		Separation	Lowest Measurable Gradient	Groundwater Elevation					Vertical Gradients			
Nest	Top	Bottom	(feet)		Uppermost	Upper	Middle	Lower	delta	Uppermost/ Upper	Upper/ Middle	Middle/ Lower	Upper/ Lower
MW7	595.9	590.9			NA	622.05				NA			
PZ44	578.4	573.4	13	0.0008			622.03		-0.02		-0.0016		
MW36	552.7	542.7	21	0.0005				622.03	0			WU	-0.0005
MW8	598.2	593.2			NA	621.71				NA			
MW31	574.6	564.6	19	0.0005			621.71		0		WU		
MW32	547.3	537.3	17	0.0006				621.72	+0.01			WU	WU
MW9	605.9	600.9			NA	622.15				NA			
MW29	585.9	575.9	15	0.0007			622.12		-0.03		-0.0020		
MW34	552.8	542.8	23	0.0004				622.14	+0.02			+0.0009	WU
MW51	611.9	601.9			621.55								
MW10	603.0	598.0	-1	-0.0091		621.70			+0.15	-0.136			
MW30	585.0	575.0	13	0.0008			621.53		-0.17		-0.0131		
MW33	556.0	546.0	19	0.0005				621.53	0			WU	-0.0040
MW28	588.7	578.7			NA	622.63				NA			
PZ42	568.5	563.5	10	0.0010			622.62		-0.01		WU		
PZ43	554.5	549.5	9	0.0011				622.65	+0.03			+0.0033	WU
MW52	615.6	605.6			NA	621.70				NA			
MW53	555.7	545.7	50	0.0002			NA	621.66	-0.04		NA	NA	-0.0008
MW54	608.1	598.1			NA	621.54				NA			
MW55	547.6	537.6	51	0.0002			NA	621.48	-0.06		NA	NA	-0.0012

Notes:
Water levels collected by Montgomery Watson on December 8 and 9, 1997.
Positive values indicate upward gradient. Negative values indicate downward gradient
NA = Not Applicable. Calculating vertical gradient only for upper/lower interval at this location.
WU = Within Uncertainty of measurement technique.

Table 7
Vertical Gradients Between Upper and Lower Aquifers - December 1997
American Chemical Service, Inc. NPL Site

Well Designation	Screen Interval		Screen Midpoint	Separation (feet)	Groundwater Elevation			Hydraulic Gradient
	Top	Bottom			Upper	Lower	delta	
P28	634.30	629.30	631.80	11	631.66			
MW8	598.20	593.20	595.70			621.71	-9.95	-0.90
P27	631.02	626.02	628.52	8.5	629.00			
MW9	605.90	600.90	603.40			622.15	-6.85	-0.81
P8	635.36	630.36	632.86	18	632.88			
MW7	595.90	590.90	593.40			622.05	-11	-0.60
MW17	632.94	622.94	627.94	28	631.85			
MW28	588.70	578.70	583.70			622.63	-9.22	-0.33

Notes:
Water levels collected by Montgomery Watson on December 8 and 9, 1997.
Positive values indicate upward gradient. Negative values indicate downward gradient

Table 8
Summary of Organic Detections in the Upper Aquifer
Validated Results
American Chemical Service, Inc. NPL Site

Parameter	Remediation Level from ROD	M-1S	M-3S	M-3S Dup	M-4S	MW-06	MW-11	MW-12	MW-13	MW-14
VOCs (ug/L)										
Chloromethane	8.4						0.2 J/J			0.1 J/
Vinyl Chloride	0.25									
Chloroethane	NA	0.5 J/J			1200 /J	550 /J			20	
Methylene Chloride	5									
Acetone	2300-192									
1,2-Dichloroethene (total)	330-28						0.2 J/J	0.5 J/		
1,2-Dichlorobenzene										
Benzene	5					1900 /J				
4-Methyl-2-Pentanone	640-53									
Tetrachloroethene	NA									
Toluene	NA									
Chlorobenzene	NA							5 /		
Ethylbenzene	NA					100 J/				
1,1-Dichloroethane	NA							0.3 J/		
1,2-Dichloroethane	NA						0.3 J/J			
Xylene (total)	NA					220 J/				
Carbon Disulfide										0.1 J/
Chloroform	NA								0.3 J/	
SVOCs (ug/L)										
Phenol	NA	24 /	5 /	6 /	10 /	60 /	24 /	14 J/	12 /J	20 /
Bis(2-Chloroethyl)Ether	21		3 J/	3 J/	56 /	74 /				
1,2-Dichlorobenzene	NA									
2,2'-Oxybis(1-Chloropropane	NA		6 /	7 /				170 /		
Isophorone	19					19 /				
Naphthalene	NA									
2-Methylnaphthalene	NA									
Bis(2-Ethylhexyl)Phthalate	5.8									
2,4-Dimethylphenol						13 /				
Diethylphthalate						1 J/				1 J
Di-N-Butylphthalate										

Notes
Blank means compound not detected
/ = No data qualifier required
J/ = Data qualifier added by laboratory
/J = Data qualifier added by data validator

Table 8
Summary of Organic Detections in the Upper Aquifer
Validated Results
American Chemical Service, Inc. NPL Site

Parameter	Remediation Level from ROD	MW-15	MW-18	MW-19	MW-37	MW-38	MW-39	MW-40	MW-40 Dup	MW-41
VOCs (ug/L)										
Chloromethane	8.4									
Vinyl Chloride	0.25	0.2 J/					0.7 J/			
Chloroethane	NA	2 /J		16 /			2 /J			
Methylene Chloride	5									
Acetone	2300-192									
1,2-Dichloroethene (total)	330-28	0.1 J/					3 /			
1,2-Dichlorobenzene										
Benzene	5	5 J/					4 /J			
4-Methyl-2-Pentanone	640-53									
Tetrachloroethene	NA									
Toluene	NA									
Chlorobenzene	NA	0.2 J/								
Ethylbenzene	NA									
1,1-Dichloroethane	NA						0.3 J/			
1,2-Dichloroethane	NA						0.2 J/			
Xylene (total)	NA									
Carbon Disulfide										
Chloroform	NA									
SVOCs (ug/L)										
Phenol	NA	10 /	5 /		12 /	6 /	10 /	17 /	18 /	
Bis(2-Chloroethyl)Ether	21			11 /						
1,2-Dichlorobenzene	NA									
2,2'-Oxybis(1-Chloropropane	NA			1 J/J						
Isophorone	19									
Naphthalene	NA									
2-Methylnaphthalene	NA									
Bis(2-Ethylhexyl)Phthalate	5.8	6 /	2 J/							
2,4-Dimethylphenol										
Diethylphthalate									0.8 J/	
Di-N-Butylphthalate										0.5 J/J

Notes
Blank means compound not detected
/ = No data qualifier required
J/ = Data qualifier added by laboratory
/J = Data qualifier added by data validator

Table 8
Summary of Organic Detections in the Upper Aquifer
Validated Results
American Chemical Service, Inc. NPL Site

Parameter	Remediation Level from ROD	MW-42	MW-43	MW-44	MW-45	MW-46	MW-47	MW-47 Dup	MW-48	MW-49
VOCs (ug/L)										
Chloromethane	8.4								38 J/J	
Vinyl Chloride	0.25					0.2 J/J				
Chloroethane	NA	0.9 J/J			130 /J				300 /	250 /J
Methylene Chloride	5									
Acetone	2300-192									
1,2-Dichloroethene (total)	330-28					0.3 J/J				
1,2-Dichlorobenzene					5 J/J					
Benzene	5				670 /				3800 /	3300 /J
4-Methyl-2-Pentanone	640-53									
Tetrachloroethene	NA									
Toluene	NA									
Chlorobenzene	NA				23 J/J					
Ethylbenzene	NA									
1,1-Dichloroethane	NA									
1,2-Dichloroethane	NA									
Xylene (total)	NA				18 J/J					
Carbon Disulfide										
Chloroform	NA									
SVOCs (ug/L)										
Phenol	NA		12 /	8 /	45 /		19 /J	14 /J	62 /	160 /
Bis(2-Chloroethyl)Ether	21					3 J/J				
1,2-Dichlorobenzene	NA									
2,2'-Oxybis(1-Chloropropane	NA				6 /					11 J/
Isophorone	19									
Naphthalene	NA				78 /					
2-Methylnaphthalene	NA				6 /					
Bis(2-Ethylhexyl)Phthalate	5.8									
2,4-Dimethylphenol										
Diethylphthalate										
Di-N-Butylphthalate								0.5 J/		

Notes

Blank means compound not detected

/ = No data qualifier required

J/ = Data qualifier added by laboratory

/J = Data qualifier added by data validator

Table 9
Summary of Organic Detections in the Lower Aquifer
Validated Results
American Chemical Service, Inc. NPL Site

Parameter	Remediation Level from ROD	M-4D		MW-07		MW-08		MW-08 Dup		MW-09R		MW-09R Dup		MW-10C	
VOCs (ug/L)															
Vinyl Chloride	0.25														
Carbon Disulfide	NA														
Chloromethane	8.4			0.3	J/J										
Chloroethane	NA	0.1	J/J							2000	/	2100	/	160	/
Methylene Chloride	5									76	J/J	120	J/J		
Acetone	2300-192														
Chloroform	NA														
Benzene	5									260	/	270	/		
Toluene	NA														
4-Methyl-2-Pentanone	640-53														
Xylenes (Total)	NA					0.2	J/J	0.1	J/J						
Ethylbenzene	NA														
SVOCs (ug/L)															
Phenol	NA	6	/	46	/					22	/	22	/	130	/
Bis(2-Chloroethyl)Ether	21									35	/	46	/		
Isophorone	19									1	J/				
Bis(2-Ethylhexyl)Phthalate	5.8			4	J/J									25	/
Di-N-Octylphthalate														3	J/
Di-N-Butylphthalate										0.8	J/	0.6	J/		
Butylbenzylphthalate														2	J/

Notes

Blank means compound not detected

/ = No data qualifier required

J/ = Data qualifier added by laboratory

/J = Data qualifier added by data validator

Table 9
Summary of Organic Detections in the Lower Aquifer
Validated Results
American Chemical Service, Inc. NPL Site

Parameter	Remediation Level from ROD	MW-21	MW-22	MW-23	MW-24	MW-28	MW-29	MW-30	MW-32
VOCs (ug/L)									
Vinyl Chloride	0.25								
Carbon Disulfide	NA		0.4 J/				0.2 J/		
Chloromethane	8.4			0.1 J/J					
Chloroethane	NA						1 /		
Methylene Chloride	5								
Acetone	2300-192	3 J/J							
Chloroform	NA								
Benzene	5								
Toluene	NA	0.3 J/							
4-Methyl-2-Pentanone	640-53								
Xylenes (Total)	NA								
Ethylbenzene	NA								
SVOCs (ug/L)									
Phenol	NA	32 /	140 /	38 /	12 /J	9 /		39 /J	140 /
Bis(2-Chloroethyl)Ether	21								
Isophorone	19								
Bis(2-Ethylhexyl)Phthalate	5.8		5 J/						6 J/J
Di-N-Octylphthalate									
Di-N-Butylphthalate								0.9 J/J	
Butylbenzylphthalate									

Notes

Blank means compound not detected

/ = No data qualifier required

J/ = Data qualifier added by laboratory

/J = Data qualifier added by data validator

Table 9
Summary of Organic Detections in the Lower Aquifer
Validated Results
American Chemical Service, Inc. NPL Site

Parameter	Remediation Level from ROD	MW-33	MW-34	MW-36	MW-50	MW-51	MW-52	MW-53	MW-54
VOCs (ug/L)									
Vinyl Chloride	0.25								
Carbon Disulfide	NA		0.2 J/		0.2 J/				
Chloromethane	8.4		0.2 J/						
Chloroethane	NA								0.2 J/J
Methylene Chloride	5								
Acetone	2300-192								
Chloroform	NA								
Benzene	5								0.1 J/
Toluene	NA		0.6 J/		0.4 J/				
4-Methyl-2-Pentanone	640-53							6 /	
Xylenes (Total)	NA							0.2 J/	
Ethylbenzene	NA							0.1 J/	
SVOCs (ug/L)									
Phenol	NA	230 /J	96 /	48 /	140 /	56 /J	22 /J	46 /J	3 J/
Bis(2-Chloroethyl)Ether	21								
Isophorone	19							4 J/J	
Bis(2-Ethylhexyl)Phthalate	5.8		13 /						
Di-N-Octylphthalate									
Di-N-Butylphthalate								0.7 J/J	
Butylbenzylphthalate									

Notes

Blank means compound not detected

/ = No data qualifier required

J/ = Data qualifier added by laboratory

/J = Data qualifier added by data validator

Table 9
Summary of Organic Detections in the Lower Aquifer
Validated Results
American Chemical Service, Inc. NPL Site

Parameter	Remediation Level from ROD	MW-55	
VOCs (ug/L)			
Vinyl Chloride	0.25		
Carbon Disulfide	NA		
Chloromethane	8.4		
Chloroethane	NA		
Methylene Chloride	5		
Acetone	2300-192		
Chloroform	NA		
Benzene	5		
Toluene	NA		
4-Methyl-2-Pentanone	640-53		
Xylenes (Total)	NA		
Ethylbenzene	NA		
SVOCs (ug/L)			
Phenol	NA	50	/
Bis(2-Chloroethyl)Ether	21		
Isophorone	19		
Bis(2-Ethylhexyl)Phthalate	5.8	6	/
Di-N-Octylphthalate			
Di-N-Butylphthalate			
Butylbenzylphthalate			

Notes

Blank means compound not detected

/ = No data qualifier required

J/ = Data qualifier added by laboratory

/J = Data qualifier added by data validator

Table 10
Groundwater Treatment Plant Effluent
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Analyte	Concentration
VOCs (ug/L)	
Benzene	ND
Bromobenzene	ND
Bromochloromethane	ND
Bromodichloromethane	ND
Bromoform	ND
Bromomethane	ND
n-Butylbenzene	ND
sec-Butylbenzene	ND
Carbon tetrachloride	ND
Chlorobenzene	ND
Chloroethane	3.1
Chloroform	ND
Chloromethane	ND
2-Chlorotoluene	ND
Dibromochloromethane	ND
1,2-Dibromo-3-chloro-propane (DBCP)	ND
1,2-Dibromomethane (EDB)	ND
Dibromomethane	ND
1,2-Dichlorobenzene	ND
1,3-Dichlorobenzene	ND
1,4-Dichlorobenzene	ND
Dichlorodifluoromethane	ND
1,1-Dichloroethane	0.16 J
1,2-Dichloroethane	ND
1,1-Dichloroethene	ND
cis--1,2--Dichloroethene	ND
trans-1,2--Dichloroethene	ND
1,2-Dichloropropane	ND
1,3-Dichloropropane	ND
2,2-Dichloropropane	ND
1,1-Dichloropropene	ND
Ethylbenzene	ND
Hexachlorobutadiene	ND
Isopropylbenzene	ND
Isopropyltoluene	ND
Methylene chloride	0.46 J
Naphthalene	ND
n-Propylbenzene	ND
Styrene	ND
1,1,1,2-Tetrachloroethane	ND
1,1,2,2-Tetrachloroethane	ND
Tetrachloroethene	ND
Toluene	ND
1,2,3-Trichlorobenzene	ND
1,2,4-Trichlorobenzene	ND

Table 10
Groundwater Treatment Plant Effluent
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Analyte	Concentration
1,1,1-Trichloroethane	ND
1,1,2-Trichloroethene	ND
Trichloroethene	ND
Trichlorofluoromethane	ND
1,2,3-Trichloropropane	ND
1,2,4-Trimethylbenzene	ND
1,3,5-Trimethylbenzene	ND
Vinyl chloride	0.30 J
m- & p-Xylenes	ND
o-Xylene	ND
Acetone	18
2-Butanone	ND
4-Methyl-2-pentanone	ND
SVOCs (ug/L)	
N-Nitrosodimethylamine	ND
Aniline	ND
Phenol	ND
bis (2-Chloroethyl) ether	ND
2-Chlorophenol	ND
1,3-Dichlorobenzene	ND
1,4-Dichlorobenzene	ND
Benzyl alcohol	ND
1,2-Dichlorobenzene	ND
2-Methylphenol	ND
bis(2-Chloroisopropyl) -ether	ND
3/4 - Methylphenol	ND
N-Nitroso-di-n-propylamine	ND
Hexachloroethane	ND
Nitrobenzene	ND
Isophorone	ND
2-Nitrophenol	ND
2,4-Dimethylphenol	ND
Benzoic acid	ND
bis(2-Chloroethoxy)-methane	ND
2,4-Dichlorophenol	ND
1,2,4-Trichlorobenzene	ND
Naphthalene	ND
4-Chloroaniline	ND
Hexachlorobutadiene	ND
2,4,6-Trichlorophenol	ND
2,4,5-Trichlorophenol	ND
2-Chloroaniline	ND
2-Nitroaniline	ND
Dimethyl phthalate	ND
Acenaphthylene	ND
3-Nitroaniline	ND

Table 10
Groundwater Treatment Plant Effluent
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Analyte	Concentration
2,4-Dinitrophenol	ND
4-Nitrophenol	ND
Dibenzofuran	ND
2,4-Dinitrotoluene	ND
2,6-Dinitrotoluene	ND
Diethyl phthalate	ND
1,2-Diphenylhydrazine	ND
4-Chlorophenyl phenyl ether	ND
Fluorene	ND
4-Nitroaniline	ND
4,6-Dinitro-2-methylphenol	ND
N-Nitrosodiphenylamine	ND
4-Bromophenyl phenyl ether	ND
Hexachlorobenzene	ND
Phenanthrene	ND
Anthracene	ND
Di-n-butyl phthalate	ND
Fluoranthene	ND
Pyrene	ND
Butyl benzyl phthalate	ND
3,3'-Dichlorobenzidene	ND
Benzo(a)anthracene	ND
bis(2-Ethylhexyl) - phthalate	ND
Chrysene	ND
Di-n-octyl phthalate	ND
Benzo(b) fluoranthene	ND
Benzo(k) fluoranthene	ND
Benzo(a) pyrene	ND
Indeno (1,2,3-c,d) pyrene	ND
Dibenz(a,h) anthracene	ND
Benzo(g,h,i) perylene	ND
2-Picoline	ND
Ethyl methanesulfonate	ND
Acetophenone	ND
N-Nitrosopiperidine	ND
a,a-Dimethylphenethyl-amine	ND
2,6_Dichlorophenol	ND
N-Nitroso-di-n-butylamine	ND
1,2,4,5-Tetrachloro-benzene	ND
Pentachlorobenzene	ND
1-Naphthylamine	ND
2-Naphthylamine	ND
2,3,4,6-Tetrachlorophenol	ND
Phenacetin	ND
4-Aminobiphenyl	ND
Pronamide	ND

Table 10
Groundwater Treatment Plant Effluent
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Analyte	Concentration
Pentachloronitrobenzene	ND
p-Dimethylaminoazobenzene	ND
7,12-Dimethylbenz(a)-anthracene	ND
Benzidene	ND
1-Chloronaphthalene	ND
Dibenz(a,j) acridine	ND
2_Fluorophenol	ND
Phenol-d5	ND
Nitrobenzene-d5	ND
2-Fluorobiphenyl	ND
2,4,6-Tribromophenol	ND
Terphenyl-d14	ND
Pentachlorophenol	ND
PCBs (ug/L)	
PCB1221	ND
PCB1232	ND
PCB 1016 (1242)	ND
PCB 1248	ND
PCB 1254	ND
PCB 1260	ND
Total PCB	ND
Inorganics (mg/L)	
Arsenic	0.0054 J
Beryllium	ND
Cadmium	ND
Manganese	0.89
Mercury	ND
Selenium	ND
Thallium	0.0060 JB
Zinc	0.020
Conventional Analytes	
pH (standard units)	7.1
TSS (mg/L)	ND
BOD (mg/L)	13

Table 11
Summary of Natural Attenuation Sample Results
December 1997
American Chemical Services NPL Site
Griffith, Indiana

MW-18

Analyte	Units	Result	LQ	DQ	Detect Limit
Ammonia	ug/L		U		100
Biological Oxygen Demand	ug/L		U		2,000
Nitrate	ug/L	11,600			20
Nitrite	ug/L		U		20
Nitrogen (Kjeldahl)	ug/L	208			100
Organic Carbon (total)	ug/L	3,370			1,000
ortho-phosphate	ug/L		U	UJ	20
Sulfate	ug/L	76,700			2,000

MW-19

Analyte	Units	Result	LQ	DQ	Detect Limit
Ammonia	ug/L	46,300			100
Biological Oxygen Demand	ug/L		U		2,000
Nitrate	ug/L		U		20
Nitrite	ug/L		U		20
Nitrogen (Kjeldahl)	ug/L	43,700			100
Organic Carbon (total)	ug/L	16,600			1,000
ortho-phosphate	ug/L		U	UJ	20
Sulfate	ug/L	11,800			2,000

MW-38

Analyte	Units	Result	LQ	DQ	Detect Limit
Ammonia	ug/L	281			100
Biological Oxygen Demand	ug/L		U		2,000
Nitrate	ug/L		U		20
Nitrite	ug/L		U		20
Nitrogen (Kjeldahl)	ug/L	752			100
Organic Carbon (total)	ug/L	10,000			1,000
ortho-phosphate	ug/L		U	UJ	20
Sulfate	ug/L	23,800			2,000

MW-39

Analyte	Units	Result	LQ	DQ	Detect Limit
Ammonia	ug/L	3,290			100
Biological Oxygen Demand	ug/L	3,200			2,000
Nitrate	ug/L		U		20
Nitrite	ug/L		U		20
Nitrogen (Kjeldahl)	ug/L	3,410			100
Organic Carbon (total)	ug/L	6,470			1,000
ortho-phosphate	ug/L		U	UJ	20
Sulfate	ug/L	9,670			2,000

Notes:
U = Not detected
LQ = Laboratory Qualifier
DQ = Data validator Qualifier

Table 11
Summary of Natural Attenuation Sample Results
December 1997
American Chemical Services NPL Site
Griffith, Indiana

MW-40

Analyte	Units	Result	LQ	DQ	Detect Limit
Ammonia	ug/L		U		100
Biological Oxygen Demand	ug/L		U		2,000
Nitrate	ug/L		U		20
Nitrite	ug/L		U		20
Nitrogen (Kjeldahl)	ug/L	230			100
Organic Carbon (total)	ug/L	4,090			1,000
ortho-phosphate	ug/L		U	UJ	20
Sulfate	ug/L	47,200			2,000

MW-41

Analyte	Units	Result	LQ	DQ	Detect Limit
Ammonia	ug/L		U		100
Biological Oxygen Demand	ug/L		U		2,000
Nitrate	ug/L		U		20
Nitrite	ug/L		U		20
Nitrogen (Kjeldahl)	ug/L	223			100
Organic Carbon (total)	ug/L	2,090			1,000
ortho-phosphate	ug/L		U	U	20
Sulfate	ug/L	38,600			2,000

MW-45

Analyte	Units	Result	LQ	DQ	Detect Limit
Ammonia	ug/L	1,290			100
Biological Oxygen Demand	ug/L	16,000			2,000
Nitrate	ug/L		U		20
Nitrite	ug/L		U		20
Nitrogen (Kjeldahl)	ug/L	1,620			100
Organic Carbon (total)	ug/L	6,590			1,000
ortho-phosphate	ug/L		U	UJ	20
Sulfate	ug/L		U		2,000

MW-48

Analyte	Units	Result	LQ	DQ	Detect Limit
Ammonia	ug/L	4,140			100
Biological Oxygen Demand	ug/L		U		2,000
Nitrate	ug/L		U		20
Nitrite	ug/L		U		20
Nitrogen (Kjeldahl)	ug/L	4,610			100
Organic Carbon (total)	ug/L	7,000			1,000
ortho-phosphate	ug/L		U	UJ	20
Sulfate	ug/L	10,500			2,000

Notes:
U = Not detected
LQ = Laboratory Qualifier
DQ = Data validator Qualifier

Table 12
Summmary of Inorganic Baseline Exceedances
December 1997 Groundwater Monitoring

Well	Potentially Statistically Significant	Aluminum		Arsenic		Barium		Cadmium		Calcium		Chromium		Cobalt		Copper		Iron		Lead		Magnesium		Manganese		Mercury		Nickel		Potassium		Selenium		Sodium		Thallium		Vanadium		Zinc		Total Number of EXCEEDANCES
		Dec-97	*Baseline*	Dec-97	*Baseline*	Dec-97	*Baseline*	Dec-97	*Baseline*	Dec-97	*Baseline*	Dec-97	*Baseline*	Dec-97	*Baseline*	Dec-97	*Baseline*	Dec-97	*Baseline*	Dec-97	*Baseline*	Dec-97	*Baseline*	Dec-97	*Baseline*	Dec-97	*Baseline*	Dec-97	*Baseline*	Dec-97	*Baseline*	Dec-97	*Baseline*	Dec-97	*Baseline*	Dec-97	*Baseline*	Dec-97	*Baseline*	Dec-97	*Baseline*	
M-1S	X					1490	908																					56700	*46600*									43	*21*	3
M-3S																																43500	*42500*							1
M-4D	X	1820	*1140*			207	*204*			100000	*99100*			1.9	*1.2*			4290	*2990*					84	*56*					5290	*4880*							3	*2*		8
M-4S																																								0
MW06		242	*180*	112	*72*							62	*33*					26800	*16500*									62	*39*			2.6	*2.0*							6
MW07						153	*138*	1.1	*1.0*							18	*16*													4190	*2660*							42	*30*	6
MW08																																27500	*20200*							0
MW09R																														11200	*11150*									1
MW10C																														8190	*7460*									1
MW11	X	1600	*1470*			28	*27*							2.7	*2.2*	23	*11*	9740	*2910*									12	*8.8*							20	*6.5*			7
MW12						86	*83*											30400	*31000*													2.2	*2.0*			29	*24*			4
MW13	X	930	*427*	2.1	*2.0*	77	*69*					30	*4.2*	2.4	*1.9*	39	*5.9*	14200	*6090*	4.1	*2.3*			705	*674*			19	*4.3*							4.0	*1.8*	35	*17*	12
MW14				12	*11*							41	*36*																	3.0	*2.3*									3
MW15	X	610	*487*			1550	*1470*							5.5	*5.1*											0.24	*0.20*		128000	*122000*			594000	*459000*			1.8	*1.5*			7
MW18																														4.0	*3.9*	76200	*67700*							2
MW19																																								0
MW22																														3.0	*2.0*			3.6	*3.0*	1.1	*1.0*			3
MW23	X	3810	*2480*							90700	*86500*	26	*19*	6.4	*4.7*	25	*20*	14500	*11700*	10	*7.7*	25800	*23800*	443	*377*			27	*20*									10	*7.1*	50	*33*	12
MW24																														3.2	*2.6*									1
MW28						145	*131*																																	1
MW29														3.1	*2.6*			7630	*7410*													77500	*76100*							3
MW30																																								0
MW31						249	*246*																							3.2	*2.0*									2
MW32																37	*30*																							1
MW33																28	*15*			2.4	*1.5*																			2
MW34										85800	*85700*									4.8	*3.8*																			2
MW36																														2.5	*2.0*									1
MW37						52	*34*											10600	*9665*																					2
MW38																																								0
MW39																																131000	*123000*							1
MW40						28	*27*																																	1
MW41						34	*31*			90500	*55200*	12	*10*									23700	*18500*																	4
MW42	X															46	*22*																							1
MW43																																								0
MW44	X					179	*150*			152000	*94000*											53000	*38450*					30	*23*	2330	*2040*	2.5	*2.0*	114000	*20800*							7
MW45																		16100	*15900*																					1
MW46																																								0
MW47	X					18	*13*			22850	*13700*	58	*10*									5895	*3990*									2.6	*2.0*							5
MW48																																								0
MW49																																								0
MW50																																								0
MW51		1300	*1040*									8.3	*7.5*	2.6	*2.3*	9.3	*6.7*																					2.8	*1.8*			5
MW52																														3.0	*2.1*	158000	*152000*							2
MW53																																								0
MW54																																								0
MW55						333	*286*			97600	*80000*					111	*105*					56900	*48500*	679	*594*													118	*110*	6
Nuumber of Exceedances		7		3		15		1		7		7		7		9		9		4		5		4		1		5		7		11		8		1		8		5		124

Notes:

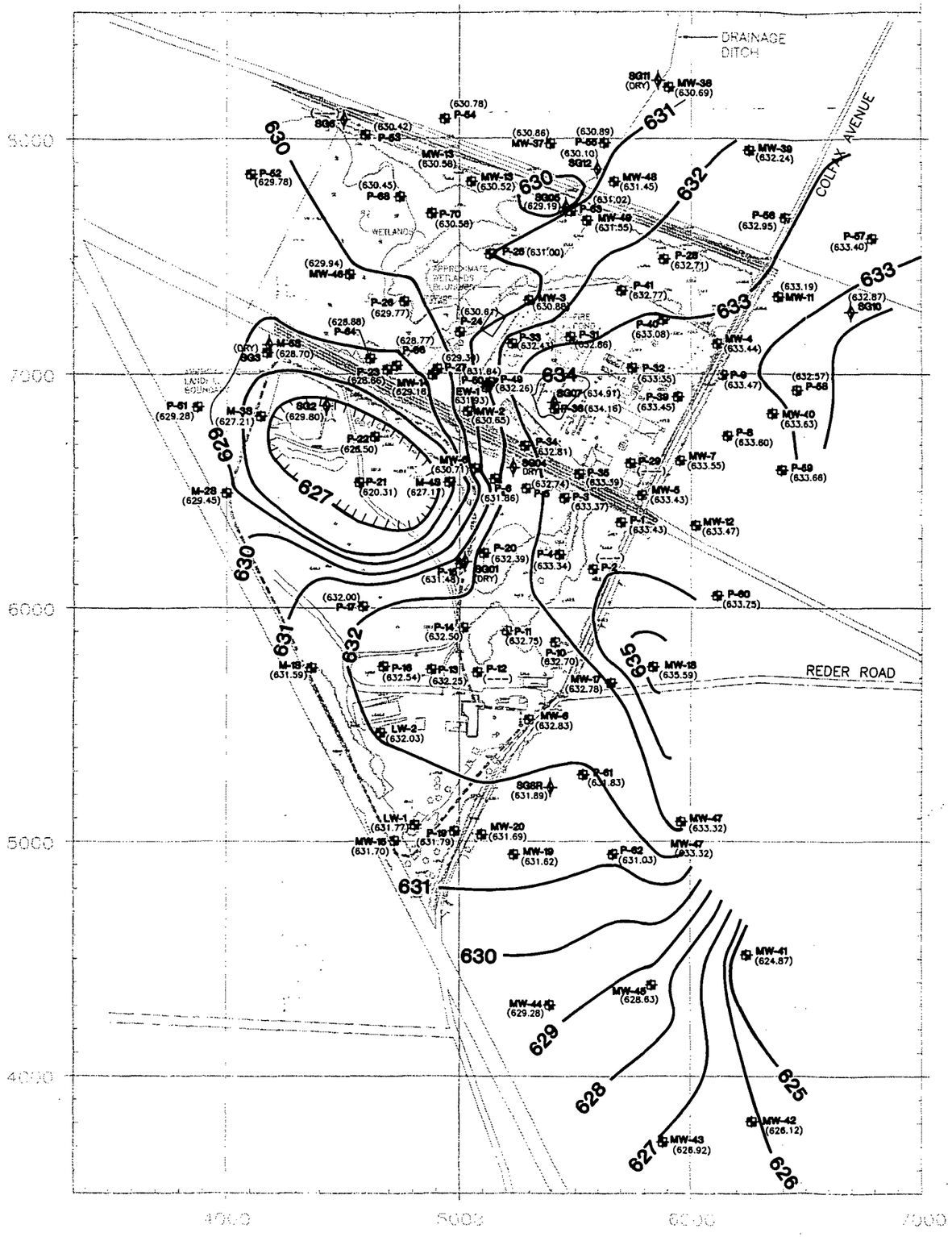
See Appendix B for complete listing of inorganic analyses results

"X" indicates inorganic occurrences are potentially statistically significant

Boxed numbers indicate that the inorganic species in the December 1997 results exceeded the maximum baseline concentration for that specie by a factor of 2x or more.

Blank cells indicate that for the December 1997 sampling round, the inorganic specie did not exceed the baseline maximum

Antimony, beryllium, cyanide, and silver are not included on this table because there were no December 1997 exceedances of the Baseline by these species



LEGEND

- MW-12 — UPPER AQUIFER WELL LOCATION AND NUMBER
- M-13 — LEACHATE/UPPER AQUIFER WELL LOCATION AND NUMBER
- P-61 — PIEZOMETER LOCATION AND NUMBER
- SG10 — STAFF GAUGE LOCATION AND NUMBER
- (630.62) — MEASURED WATER TABLE ELEVATION, IN FT. AMSL
- (—) — NOT MEASURED
- 635 — GROUNDWATER ELEVATION CONTOUR
- HATCH MARKS INDICATE GROUNDWATER DEPRESSION

NOTES

1. GROUNDWATER LEVELS FOR WATER TABLE CONTOURS WERE MEASURED AT THE SITE ON NOVEMBER 4, 1996.

north

0 500 1000

SCALE IN FEET

FIGURE 1

UPPER AQUIFER WATER TABLE ELEVATIONS NOVEMBER 4, 1996

1996 BASELINE GROUNDWATER SAMPLING RESULTS REPORT
AMERICAN CHEMICAL SERVICE, INC.
NPL SITE
GRIFFITH, INDIANA

Developed By TLH Drawn By DKP
Approved By Date
Reference J:/1252/042/MWDWGS/NOV1996/B15A.dwg
Revisions

Drawing Number 1252.042 1

MONTGOMERY WATSON

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12-12-96 Technical Review; Project Manager; Management Review; Other

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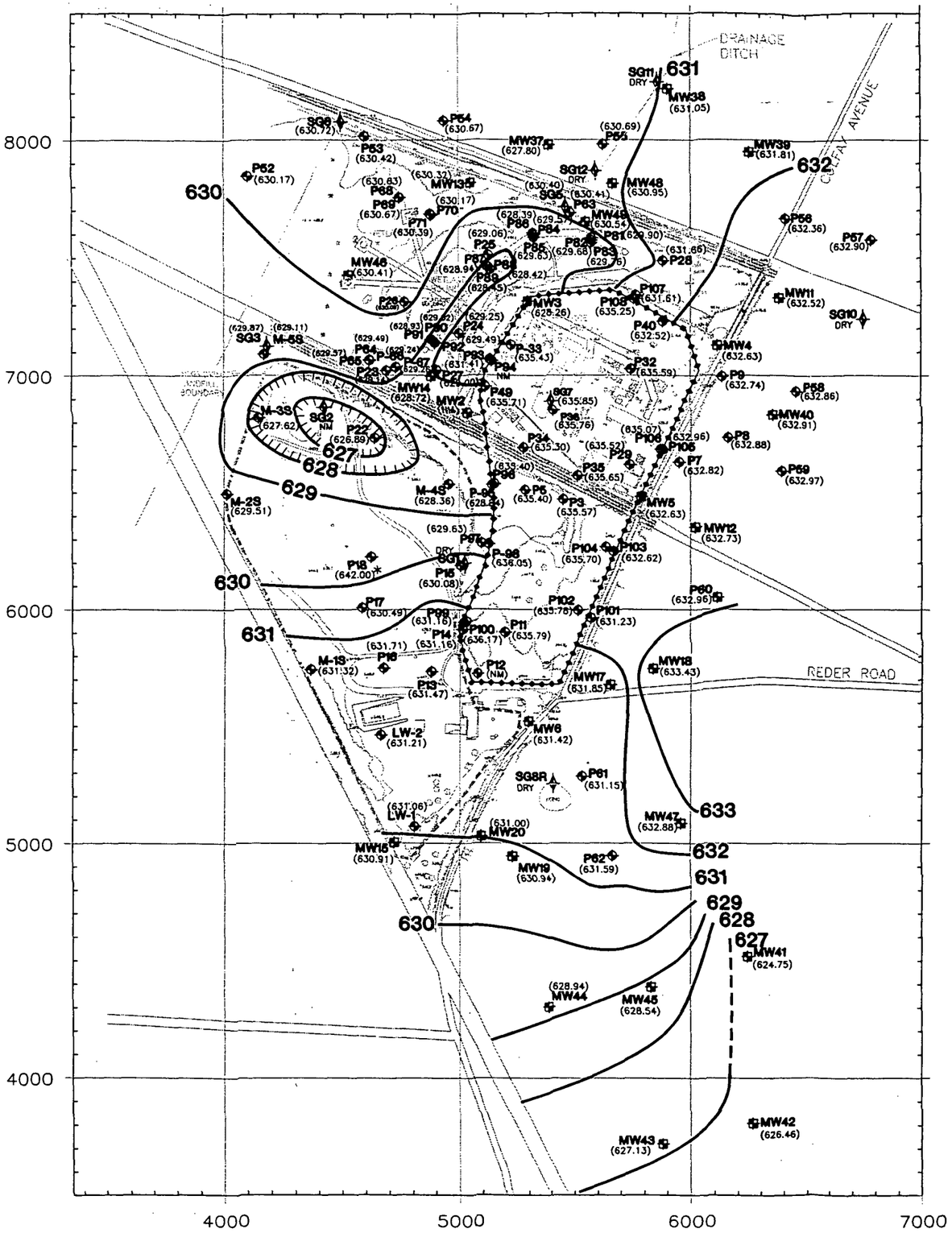


LEGEND

- MW12 — UPPER AQUIFER WELL LOCATION AND DESIGNATION
- M-1S — LEACHATE WELL LOCATION AND DESIGNATION
- P61 — PIEZOMETER LOCATION AND DESIGNATION
- SG10 — STAFF GAUGE LOCATION AND DESIGNATION
- (632) — ELEVATION MEASURED AT WELL/PIEZOMETER
- (632)* — ELEVATION MEASURED BUT NOT USED FOR DETERMINATION OF THE POTENTIOMETRIC SURFACE
- 630 —— GROUNDWATER ELEVATION CONTOUR BASED ON GROUNDWATER ELEVATION DATA
- 630 - - - ESTIMATED GROUNDWATER ELEVATION BASED ON HYDROGEOLOGIC CONDITIONS
- BARRIER WALL
- PERIMETER GROUND WATER CONTAINMENT SYSTEM
- SURFACE DISCHARGE LOCATION FOR PERIMETER GROUND WATER CONTAINMENT SYSTEM
- HATCH MARKS ON ENCLOSED CONTOUR LINE INDICATE GROUNDWATER DEPRESSION
- GRIFFITH LANDFILL BOUNDARY

NOTES

1. GROUNDWATER ELEVATIONS FOR WATER TABLE CONTOURS WERE MEASURED AT THE SITE ON DECEMBER 9, 1997.

north

0 500 1000

SCALE IN FEET

FIGURE 2

UPPER AQUIFER WATER TABLE ELEVATIONS DECEMBER 8 & 9, 1997

DECEMBER 1997 GROUNDWATER SAMPLING RESULTS REPORT
AMERICAN CHEMICAL SERVICE, INC.
NPL SITE
GRIFFITH, INDIANA

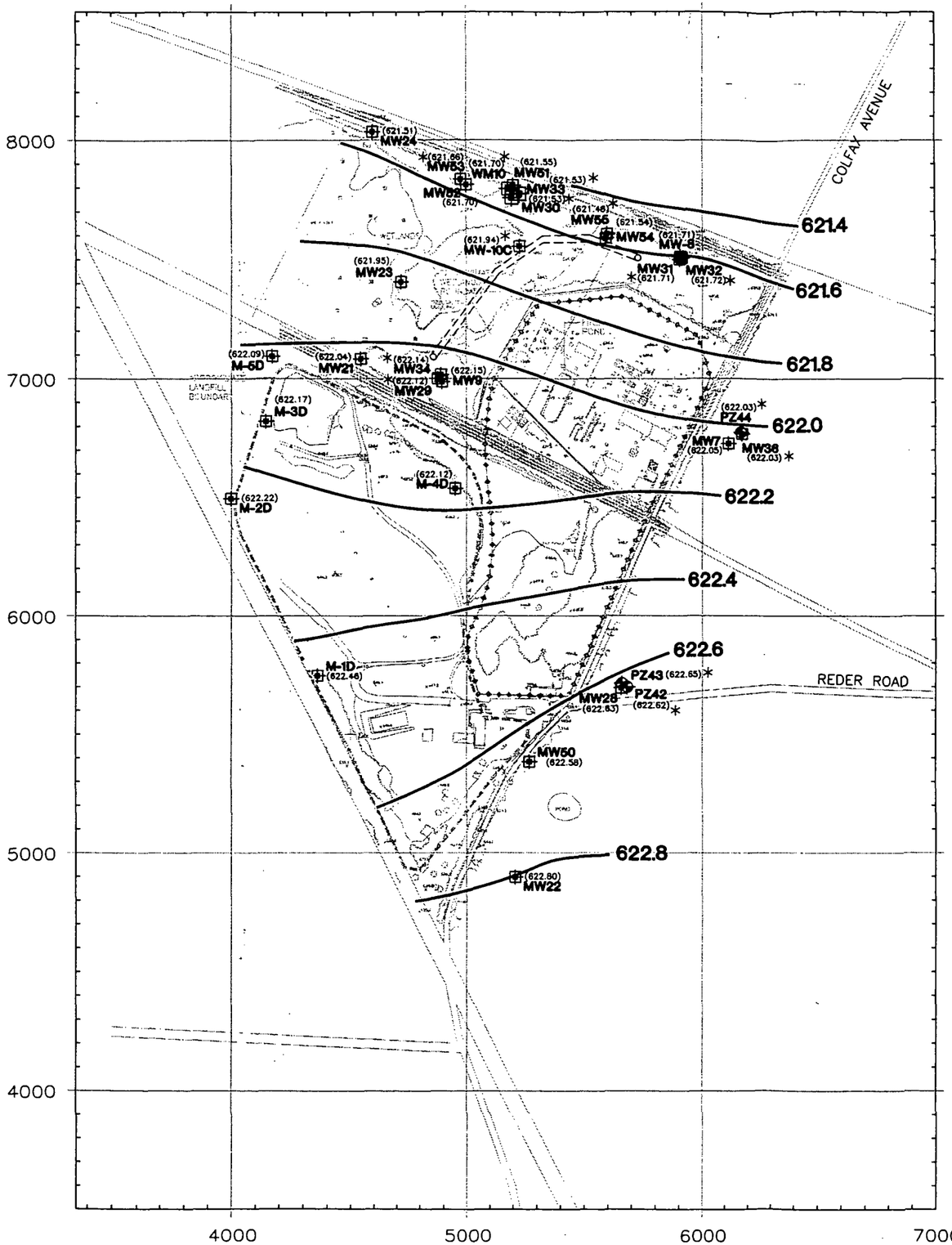
Developed By JMS | Drawn By DKP
Approved By TLH | Date 8/15/98
Reference J:/1252/042/MWDWGS/DEC97/UP_POTENT_DEC97.dwg
Revisions

Drawing Number 1252.042 2

MONTGOMERY WATSON

Management Review | Other
Technical Review | Project Manager
Graphic Standards | PJV
Lead Professional
QUALITY CONTROL

This document has been developed for a specific application and may not be used without the written approval of Montgomery Watson.



LEGEND

MW09	LOWER AQUIFER MONITORING WELL LOCATION AND DESIGNATION, SHOWING MEASURED GROUNDWATER ELEVATION
P61	PIEZOMETER LOCATION AND DESIGNATION
(622.80)	ELEVATION MEASURED AT WELL OR PIEZOMETER
*(621.94)	ELEVATION MEASURED BUT NOT USED IN PLOTTING CONTOUR LINES
621.0	GROUNDWATER ELEVATION CONTOUR
	BARRIER WALL
	GRIFFITH LANDFILL BOUNDARY
	PERIMETER GROUND WATER CONTAINMENT SYSTEM

NOTES

1. GROUNDWATER ELEVATIONS FOR THE POTENTIOMETRIC SURFACE CONTOURS WERE MEASURED AT THE SITE ON DECEMBER 9, 1997.
2. CONTOUR INTERVAL = 0.2 FEET

north

0 500 1000

SCALE IN FEET

FIGURE 3

Management Review
Other
Technical Review
Project Manager
Graphic Standards P.JV
Lead Professional
QUALITY CONTROL

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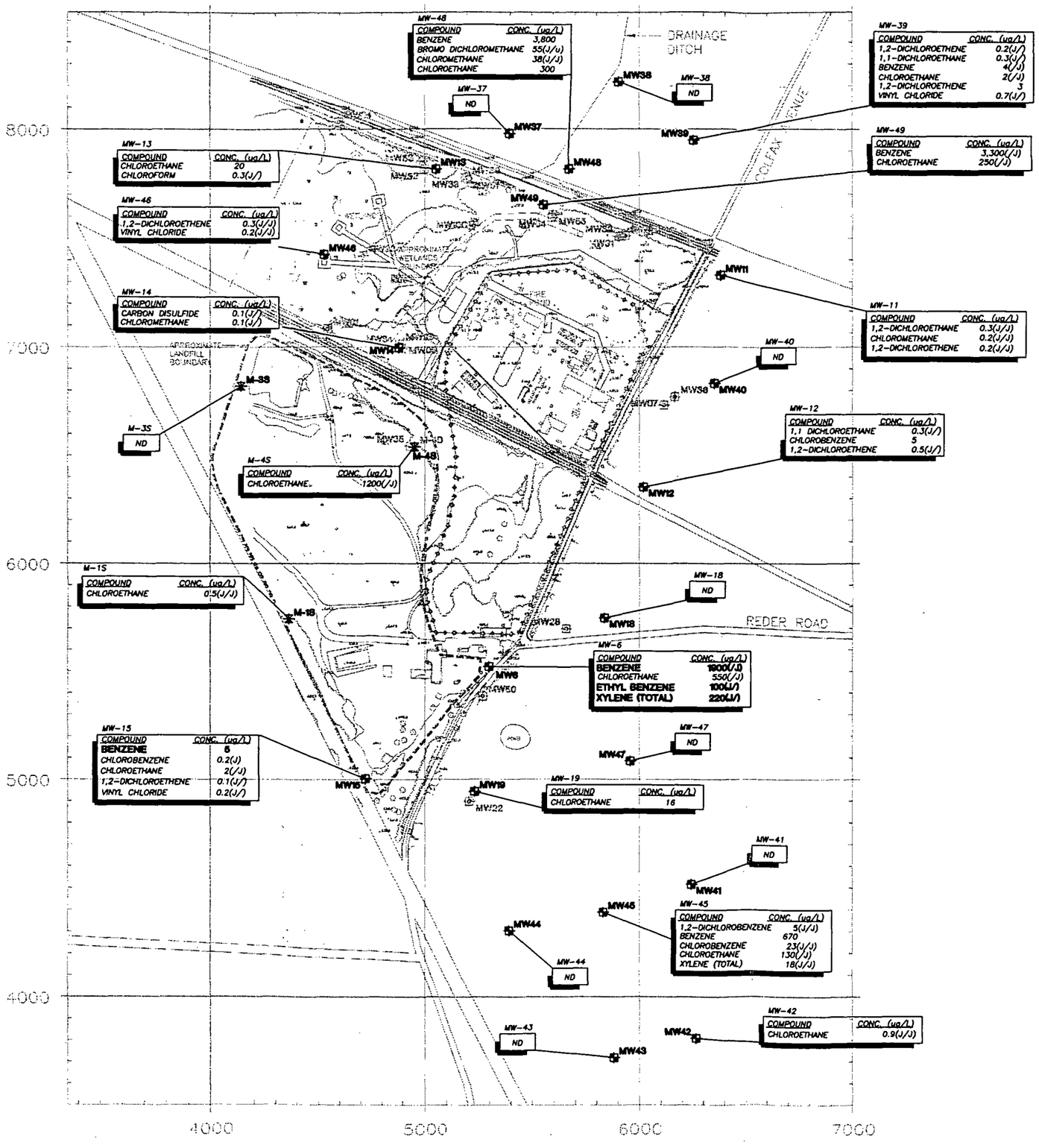
Developed By JMS Drawn By DKP
Approved By TLH/ Date 4/08/98
Reference J:/1252042/MWDWGS/DEC97/LOW_POTENT_DEC97.dwg
Revisions

LOWER AQUIFER POTENTIOMETRIC SURFACE DECEMBER 8 & 9, 1997

DECEMBER 1997 GROUNDWATER SAMPLING RESULTS REPORT
AMERICAN CHEMICAL SERVICE, INC.
NPL SITE
GRIFFITH, INDIANA

Drawing Number
1252042
221601 B3

MONTGOMERY WATSON



LEGEND

MW-12	UPPER AQUIFER WELL LOCATION AND DESIGNATION
MW08	LEACHATE/LOWER AQUIFER WELL LOCATION AND DESIGNATION
ug/L	MICROGRAMS PER LITER
(J/)	INDICATES AN ESTIMATED VALUE (LAB)
(/J)	INDICATES AN ESTIMATED VALUE (VALIDATED)
ND	NO VOC DETECTED
◆◆◆◆◆◆◆◆	BARRIER WALL
⊏⊐⊏⊐⊏⊐	PERIMETER GROUND WATER CONTAINMENT SYSTEM
– – – –	GRIFFITH LANDFILL BOUNDARY

NOTE

THE CONCENTRATION (AND ASSOCIATED COMPOUND) SHOWN IN BOLD EXCEEDED BASELINE LEVELS

north

0 500 1000

SCALE IN FEET

FIGURE 4

VOCs DETECTED IN UPPER AQUIFER MONITORING WELLS

DECEMBER 1997 GROUNDWATER MONITORING RESULTS REPORT
AMERICAN CHEMICAL SERVICE, INC.
NPL SITE
GRIFFITH, INDIANA

Developed By APE | Drawn By DKP
Approved By TLH | Date 8/14/98
Reference J:/1252/042/MWDWGS/DEC97/SPIDY_UPPER.dwg
Revisions

Drawing Number 1252.042 4

MONTGOMERY WATSON

Management Review: Other
Technical Review: Project Manager
QUALITY CONTROL: Graphic Standards PJV; Lead Professional

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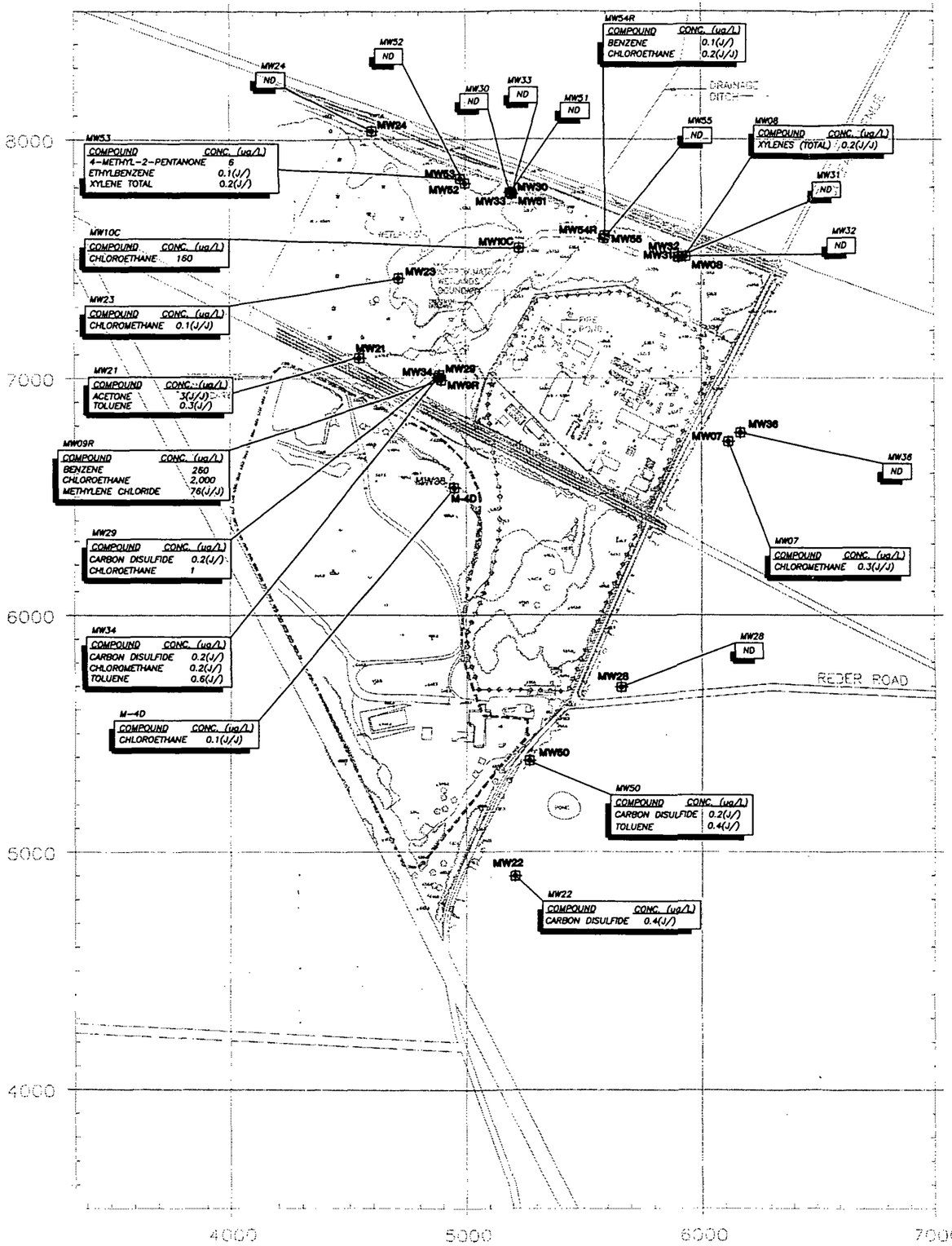

LEGEND

MW12	LOWER AQUIFER MONITORING WELL LOCATION AND DESIGNATION
M-18	LEACHATE WELL LOCATION AND DESIGNATION
ug/L	MICROGRAMS PER LITER
(J/)	INDICATES AN ESTIMATED VALUE (LAB)
(/J)	INDICATES AN ESTIMATED VALUE (VALIDATED)
ND	NO VOC DETECTED
	BARRIER WALL
	PERIMETER GROUND WATER CONTAINMENT SYSTEM
	GRIFFITH LANDFILL BOUNDARY

NOTE

THE CONCENTRATION (AND ASSOCIATED COMPOUND) SHOWN IN BOLD EXCEEDED THE HIGHEST HISTORICAL DETECTION.

north

0 500 1000

SCALE IN FEET

VOCs DETECTED IN LOWER AQUIFER MONITORING WELLS

DECEMBER 1997 GROUNDWATER MONITORING RESULTS REPORT
AMERICAN CHEMICAL SERVICE, INC.
NPL SITE
GRIFFITH, INDIANA

Developed By APE
Drawn By DKP
Approved By TLH/
Date 8/14/98
Reference J:/1252/042/MWDWGS/DEC97/SPIDY_LOWER.dwg
Revisions

Drawing Number 1252.042 5

MONTGOMERY WATSON

FIGURE 5

QUALITY CONTROL
Graphic Standards
Lead Professional
PJV
Technical Review
Project Manager
Management Review
Other

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APPENDIX A

TIME TREND PLOTS

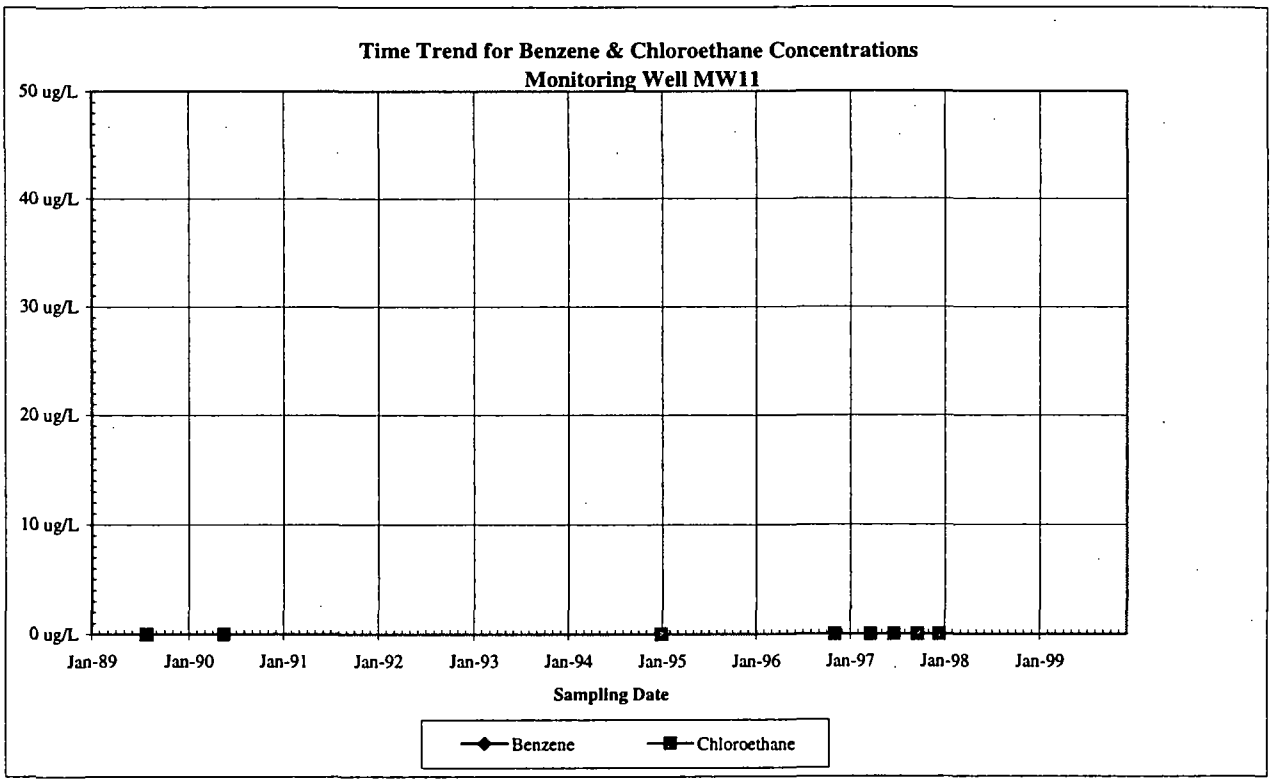
Baseline Groundwater Monitoring

ACS NPL Site

MW11

Date	Benzene	Chloroethane
August-89	BDL	BDL
May-90	BDL	BDL
January-95	BDL	BDL
November-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98		
November-98		
March-99		
October-99		

BDL = Below the Detection Limit

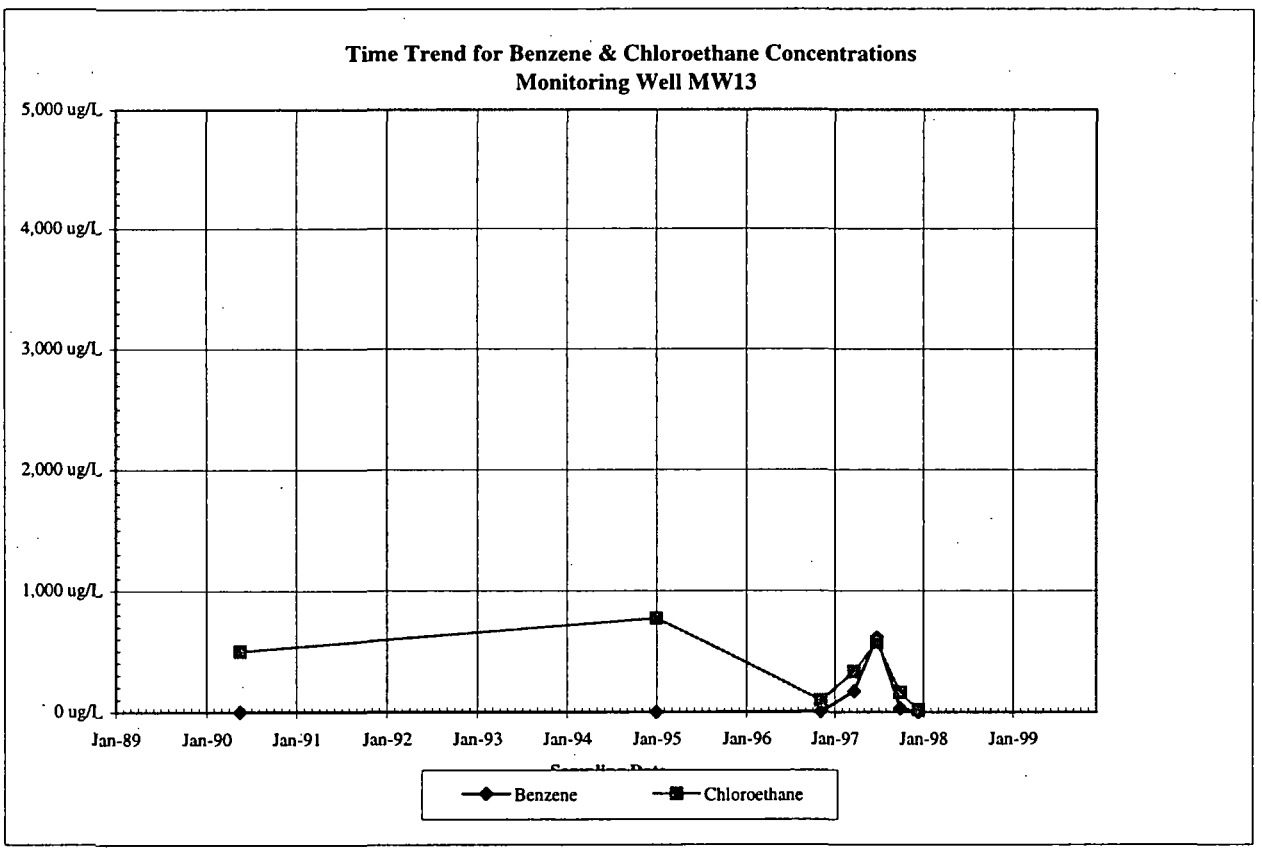


Baseline Groundwater Monitoring
ACS NPL Site

MW13

Date	Benzene	Chloroethane
August-89		
May-90	2 ug/L	500 ug/L
January-95	BDL	770 ug/L
November-96	6 ug/L	97 ug/L
March-97	170 ug/L	330 ug/L
June-97	610 ug/L	570 ug/L
October-97	33 ug/L	160 ug/L
December-97	BDL	20 ug/L
June-98		
November-98		
March-99		
October-99		

BDL = Below the Detection Limit

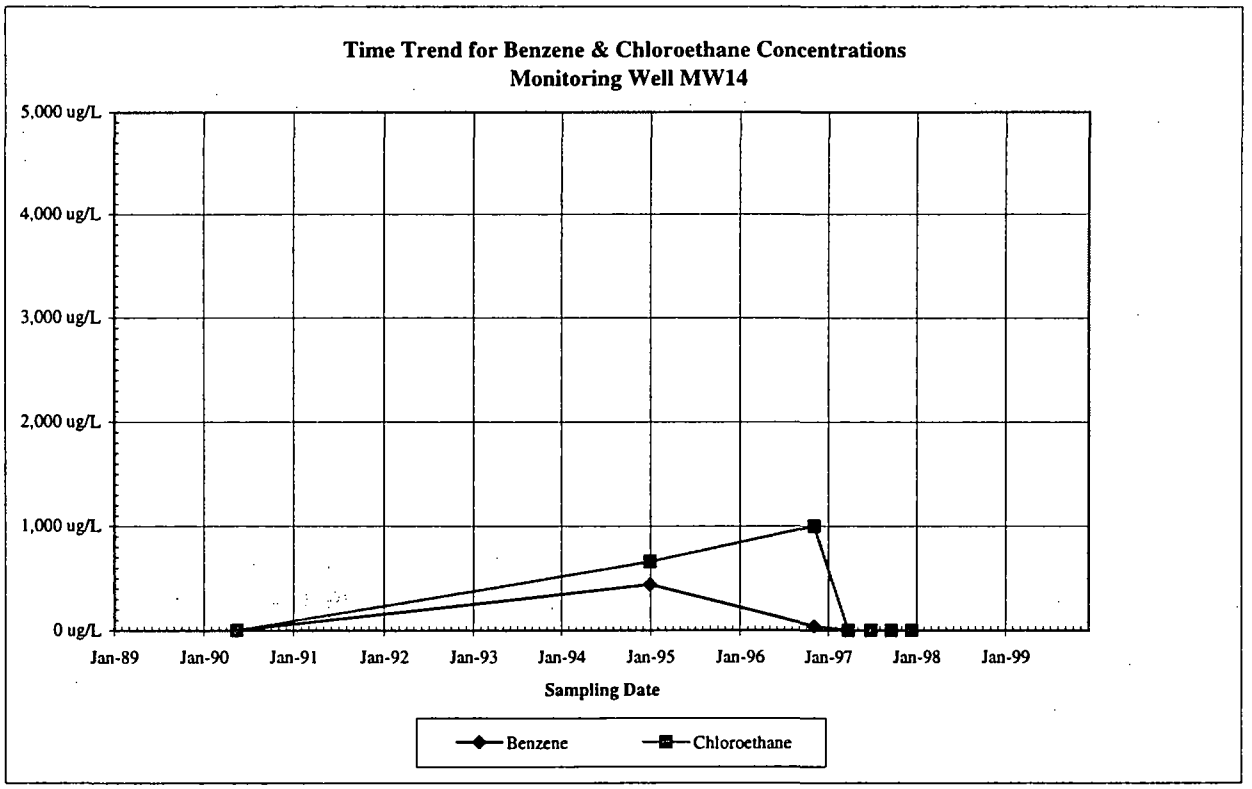


Baseline Groundwater Monitoring
ACS NPL Site

MW14

Date	Benzene	Chloroethane
August-89		
May-90	2 ug/L	3 ug/L
January-95	440 ug/L	660 ug/L
November-96	41 ug/L	1,000 ug/L
March-97	BDL	BDL
June-97	1 ug/L	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98		
November-98		
March-99		
October-99		

BDL = Below the Detection Limit

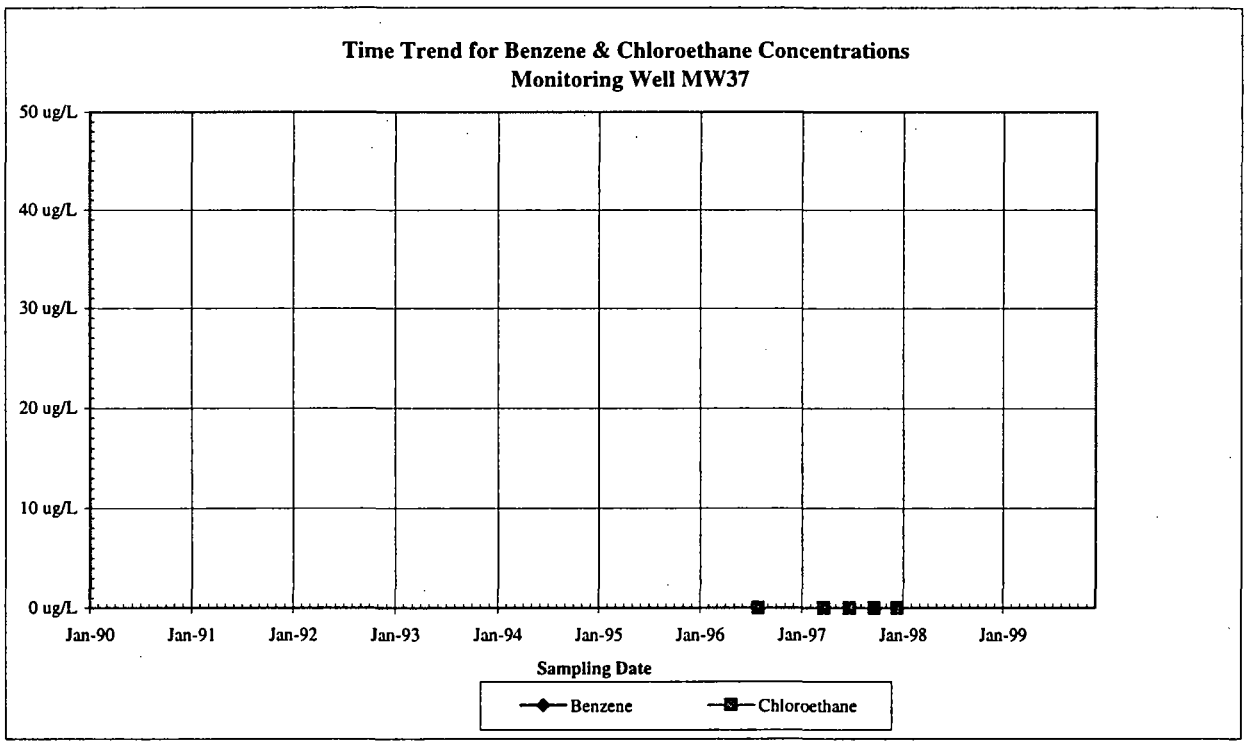


Baseline Groundwater Monitoring
ACS NPL Site

MW37

Date	Benzene	Chloroethane
August-89		
May-90		
December-94		
August-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98		
November-98		
March-99		
October-99		

BDL = Below the Detection Limit



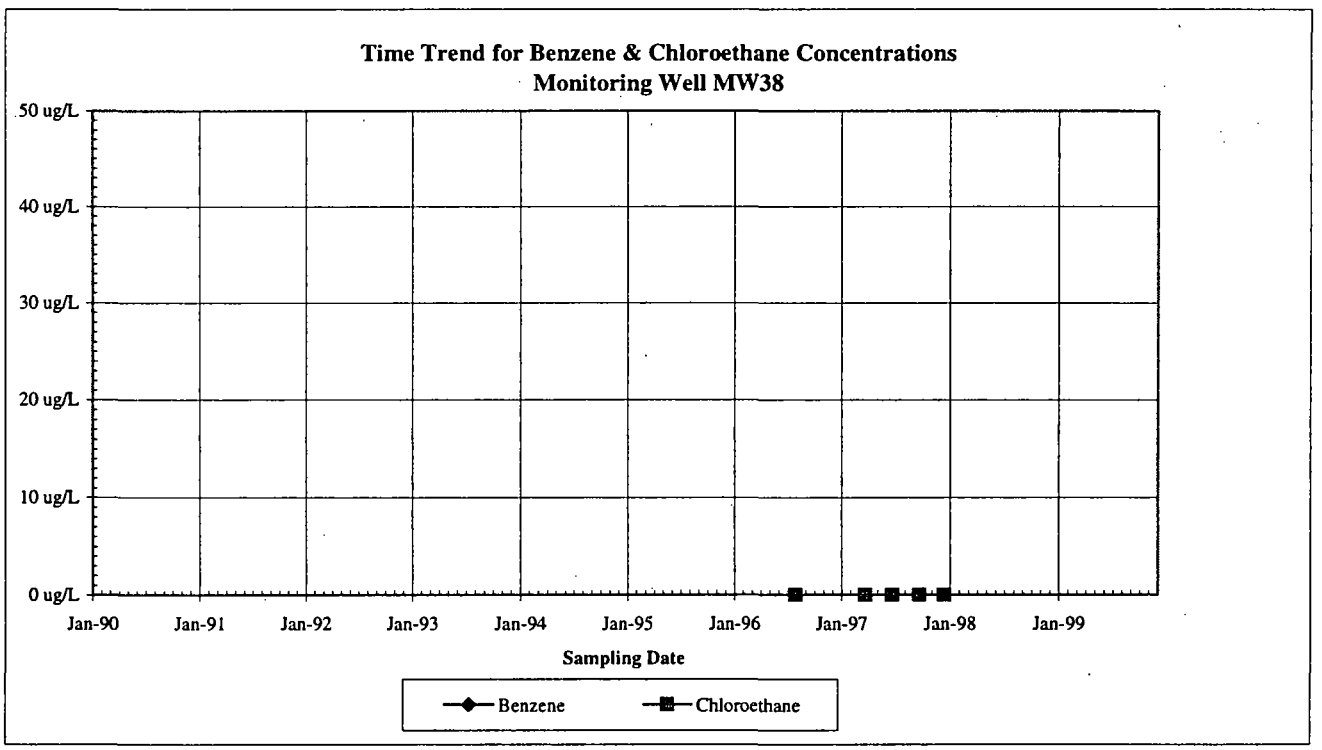
Upper Aquifer Monitoring Well: MW38

Baseline Groundwater Monitoring
ACS NPL Site

MW38

Date	Benzene	Chloroethane
August-89		
May-90		
December-94		
August-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98		
November-98		
March-99		
October-99		

BDL = Below the Detection Limit



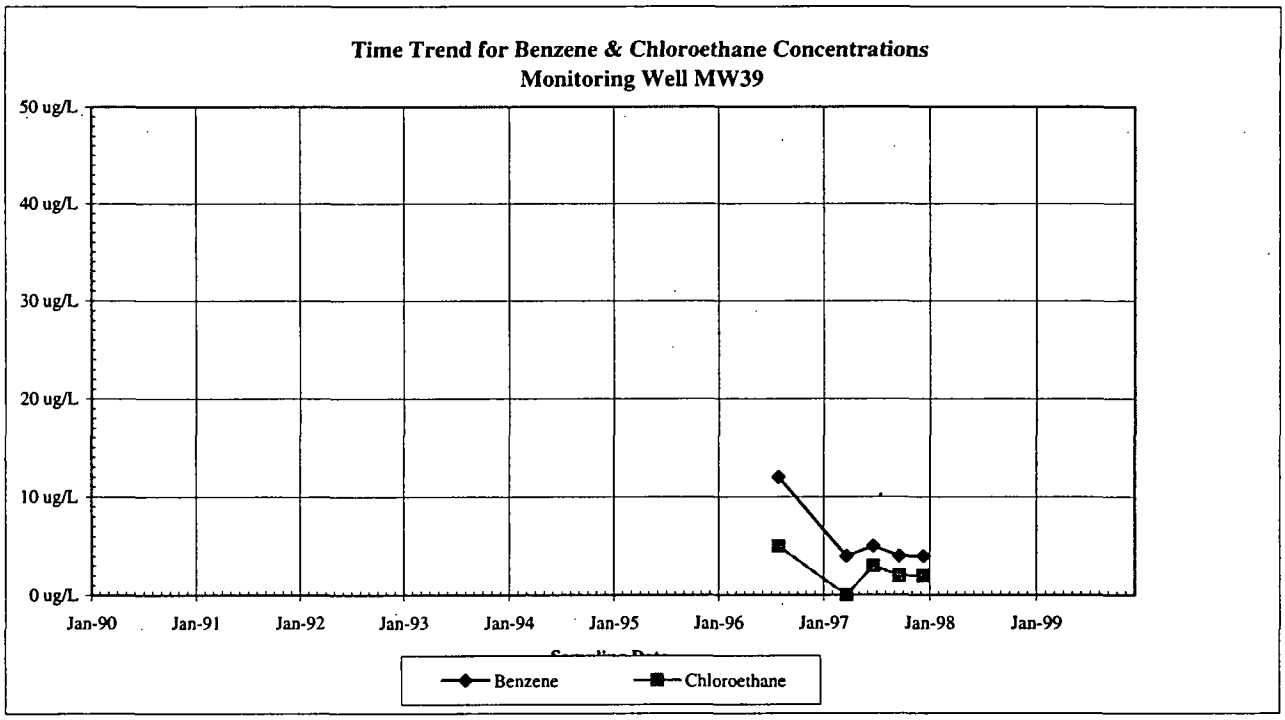
Baseline Groundwater Monitoring

ACS NPL Site

MW39

Date	Benzene	Chloroethane
August-89		
May-90		
December-94		
August-96	12 ug/L	5 ug/L
March-97	4 ug/L	BDL
June-97	5 ug/L	3 ug/L
September-97	4 ug/L	2 ug/L
December-97	4 ug/L	2 ug/L
June-98		
November-98		
March-99		
October-99		

BDL = Below the Detection Limit



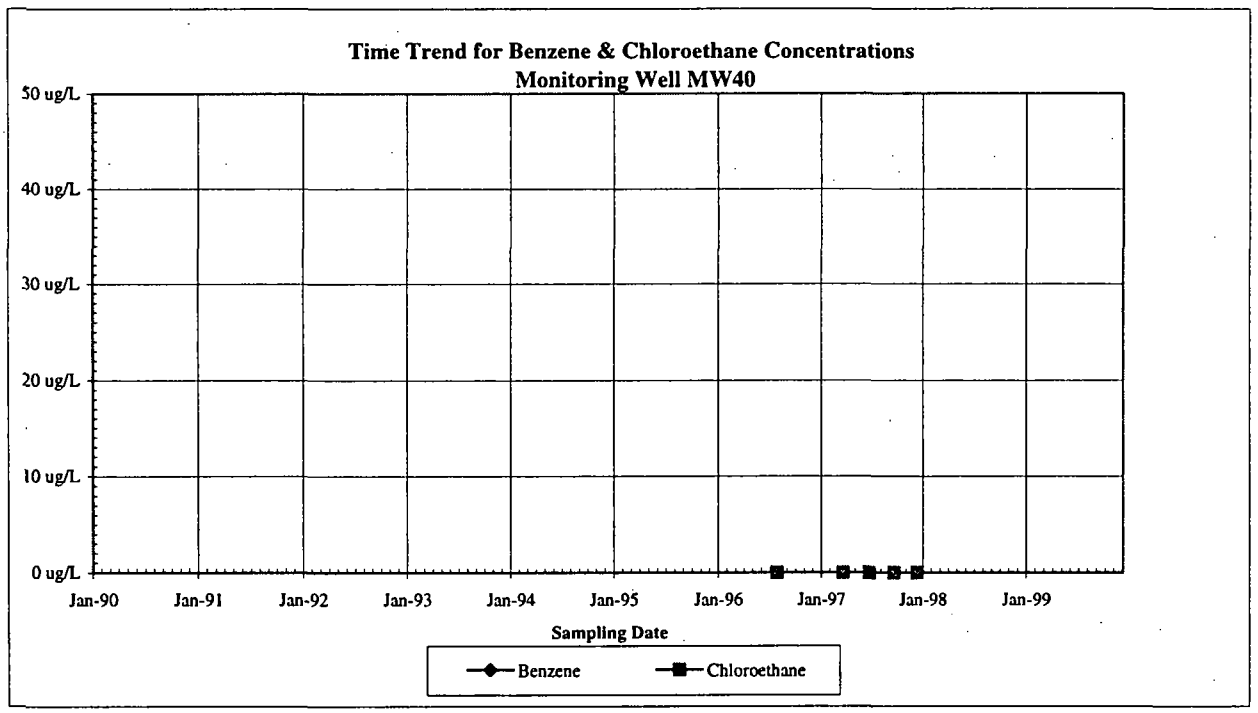
Baseline Groundwater Monitoring

ACS NPL Site

MW40

Date	Benzene	Chloroethane
August-89		
May-90		
December-94		
August-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98		
November-98		
March-99		
October-99		

BDL = Below the Detection Limit



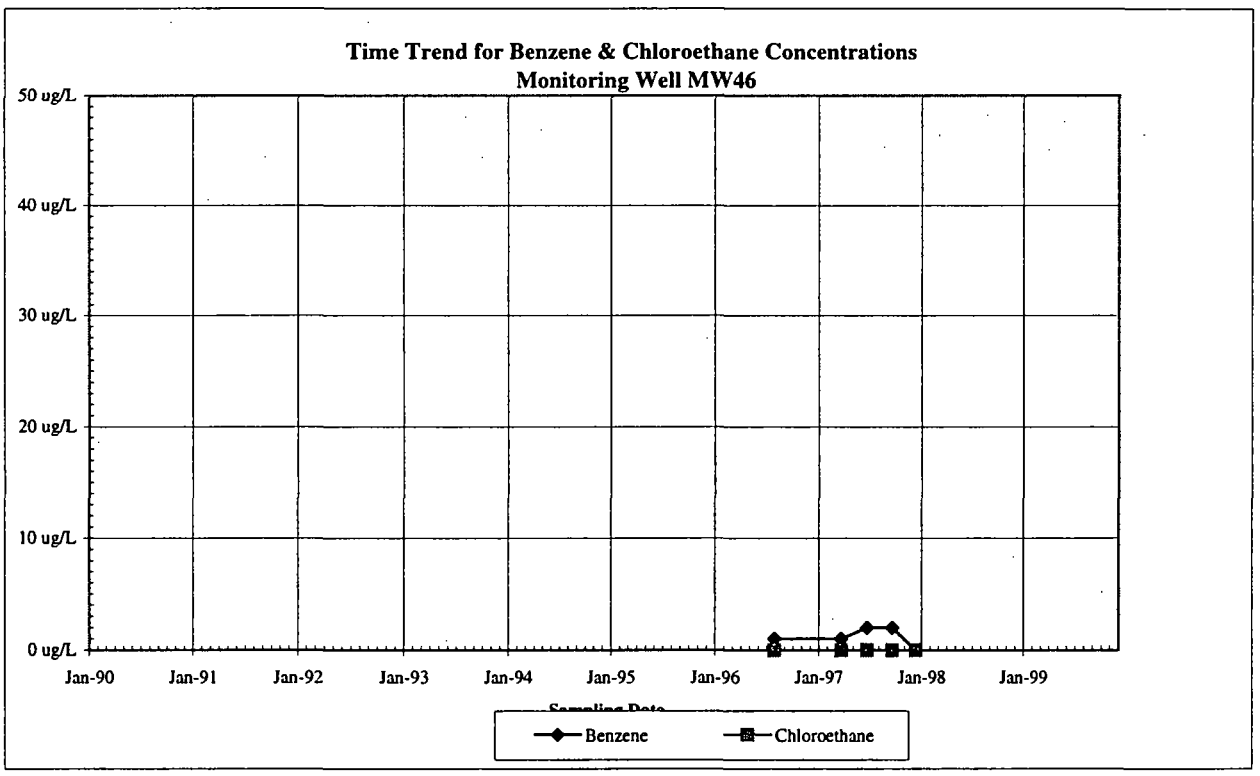
Baseline Groundwater Monitoring

ACS NPL Site

MW46

Date	Benzene	Chloroethane
August-89		
May-90		
December-94		
August-96	1 ug/L	BDL
March-97	1 ug/L	BDL
June-97	2 ug/L	BDL
September-97	2 ug/L	BDL
December-97	BDL	BDL
June-98		
November-98		
March-99		
October-99		

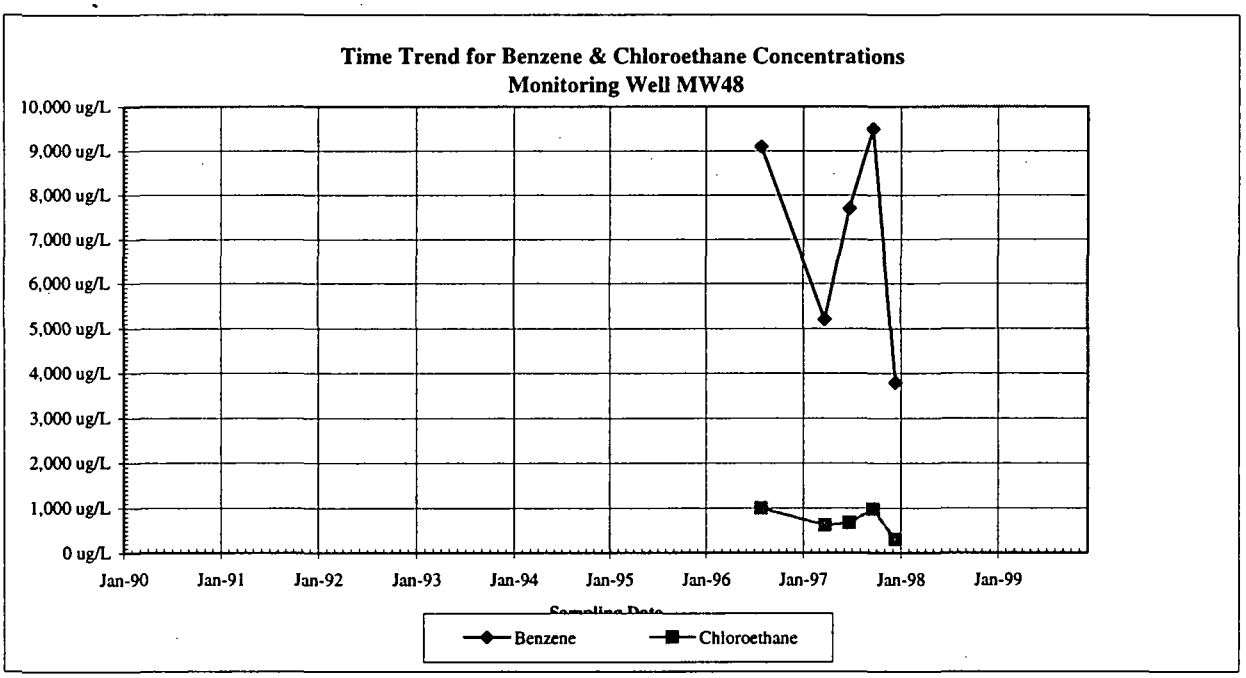
BDL = Below the Detection Limit



Baseline Groundwater Monitoring
ACS NPL Site

MW48

Date	Benzene	Chloroethane
August-89		
May-90		
December-94		
August-96	9,100 ug/L	1,000 ug/L
March-97	5,200 ug/L	620 ug/L
June-97	7,700 ug/L	670 ug/L
September-97	9,500 ug/L	980 ug/L
December-97	3,800 ug/L	300 ug/L
June-98		
November-98		
March-99		
October-99		



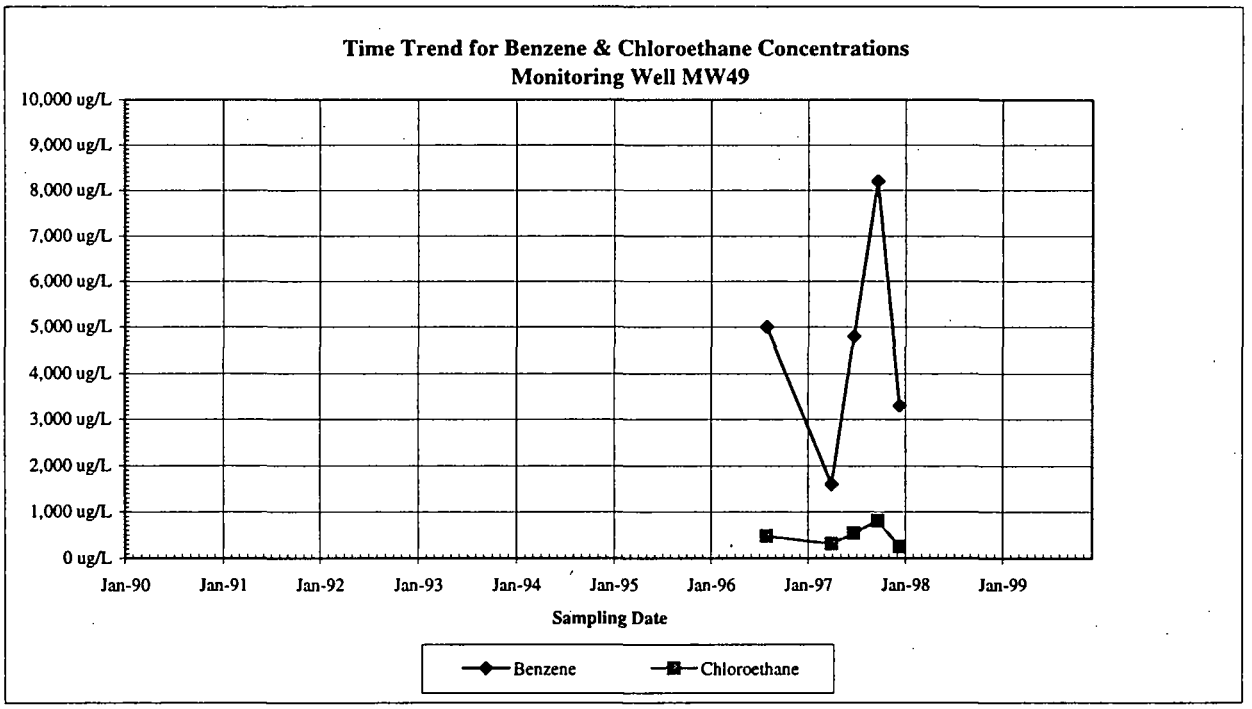
Baseline Groundwater Monitoring

ACS NPL Site

MW49

Date	Benzene	Chloroethane
August-89		
May-90		
December-94		
August-96	5,000 ug/L	480 ug/L
April-97	1,600 ug/L	310 ug/L
June-97	4,800 ug/L	540 ug/L
September-97	8,200 ug/L	810 ug/L
December-97	3,300 ug/L	250 ug/L
June-98		
November-98		
March-99		
October-99		

BDL = Below the Detection Limit



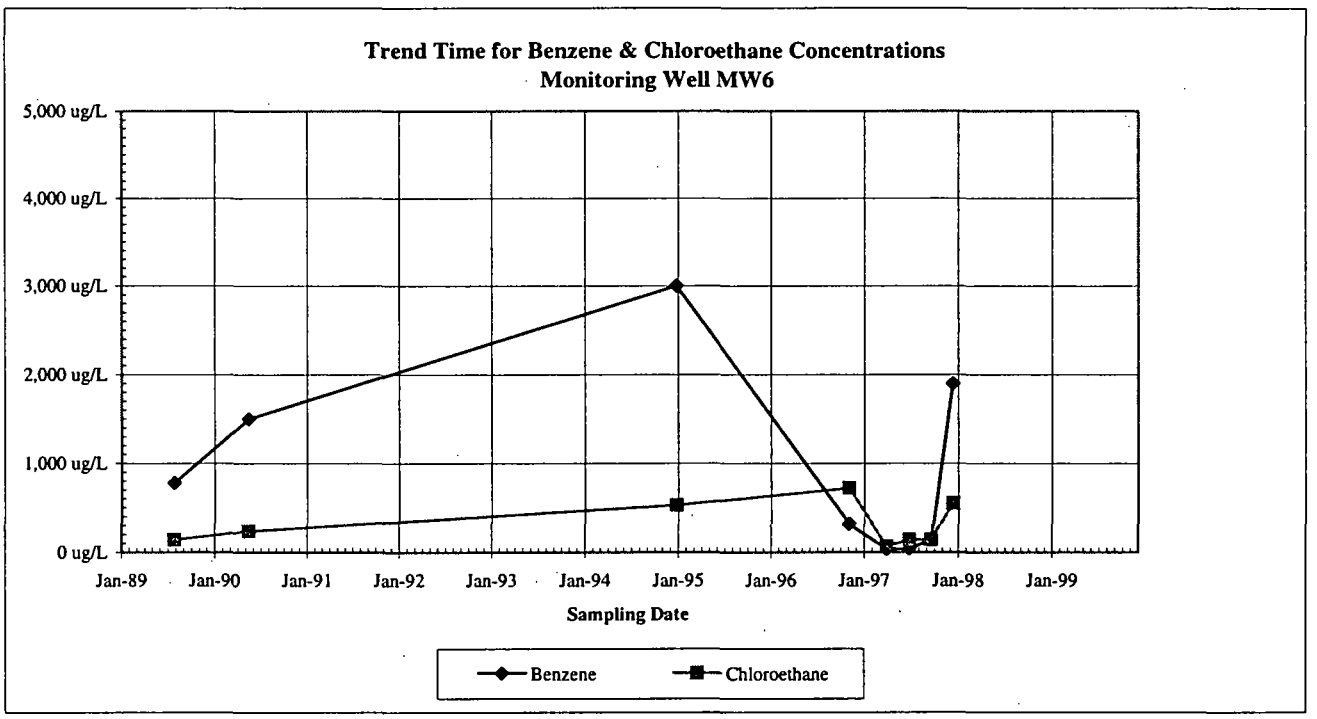
Upper Aquifer Monitoring Well: MW6

Baseline Groundwater Monitoring
ACS NPL Site

MW6

Date	Benzene	Chloroethane
August-89	780 ug/L	140 ug/L
May-90	1,500 ug/L	240 ug/L
December-94	3,000 ug/L	530 ug/L
November-96	320 ug/L	720 ug/L
April-97	35 ug/L	67 ug/L
July-97	39 ug/L	140 ug/L
September-97	140 ug/L	140 ug/L
December-97	1,900 ug/L	550 ug/L
June-98		
November-98		
March-99		
October-99		

BDL = Below the Detection Limit



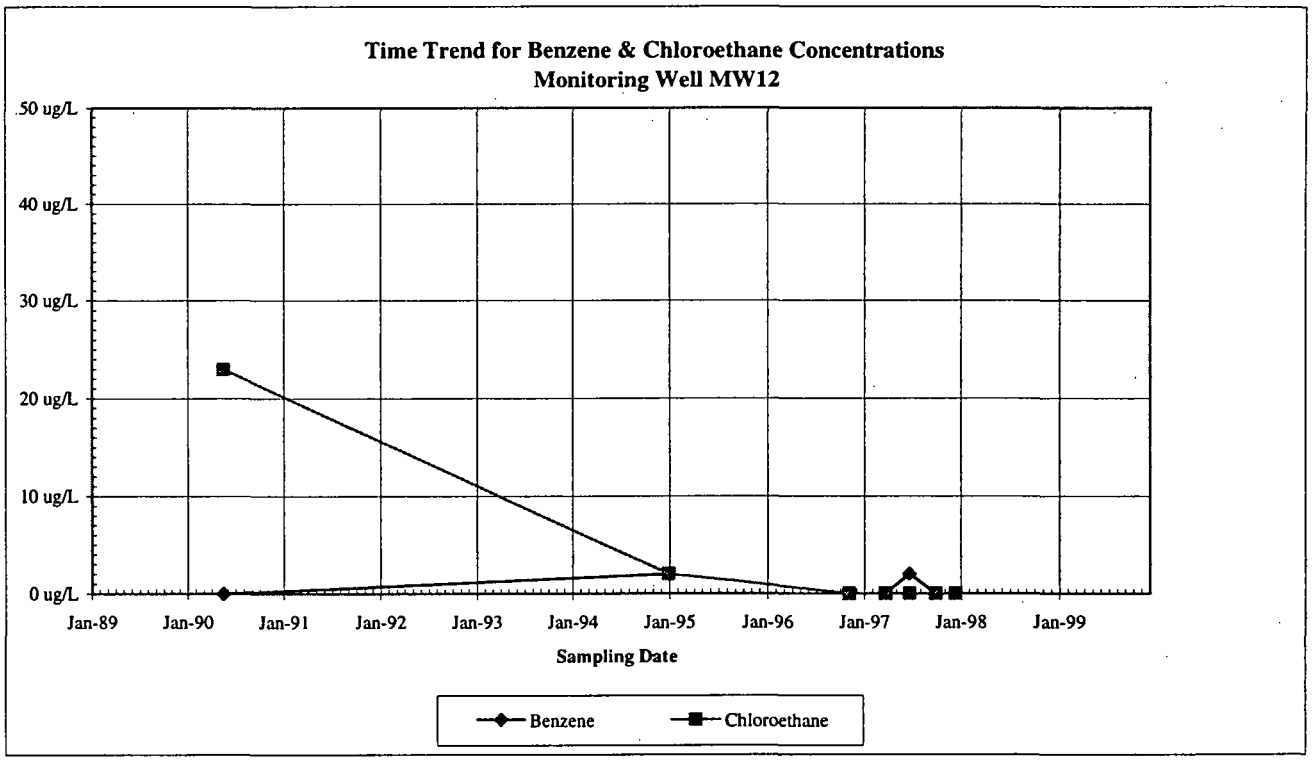
Upper Aquifer Monitoring Well: MW12

Baseline Groundwater Monitoring
ACS NPL Site

MW12

Date	Benzene	Chloroethane
August-89		
May-90	BDL	23 ug/L
January-95	2 ug/L	2 ug/L
November-96	BDL	BDL
March-97	BDL	BDL
June-97	2 ug/L	BDL
October-97	BDL	BDL
December-97	BDL	BDL
June-98		
November-98		
March-99		
October-99		

BDL = Below the Detection Limit



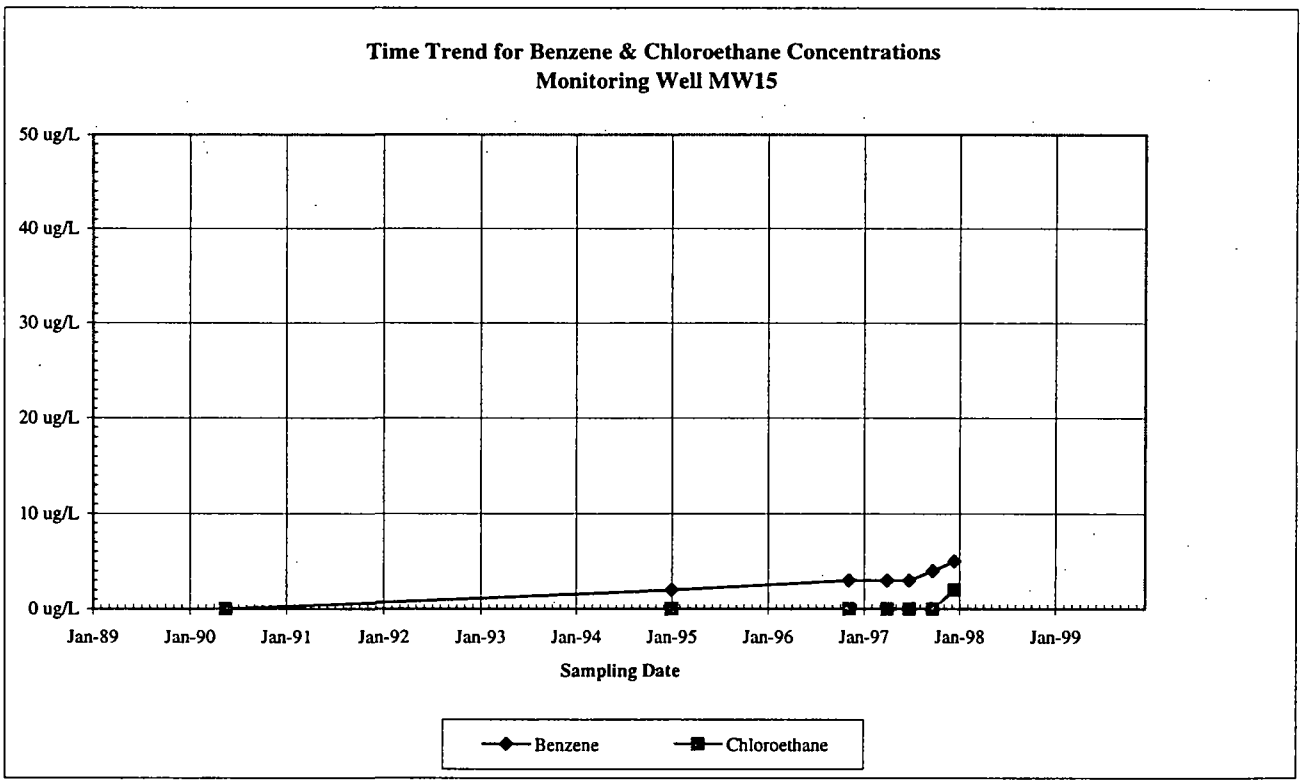
Upper Aquifer Monitoring Well: MW15

Baseline Groundwater Monitoring
ACS NPL Site

MW15

Date	Benzene	Chloroethane
August-89		
May-90	BDL	BDL
January-95	2 ug/L	BDL
November-96	3 ug/L	BDL
April-97	3 ug/L	BDL
June-97	3 ug/L	BDL
September-97	4 ug/L	BDL
December-97	5 ug/L	2 ug/L
June-98		
November-98		
March-99		
October-99		

BDL = Below the Detection Limit



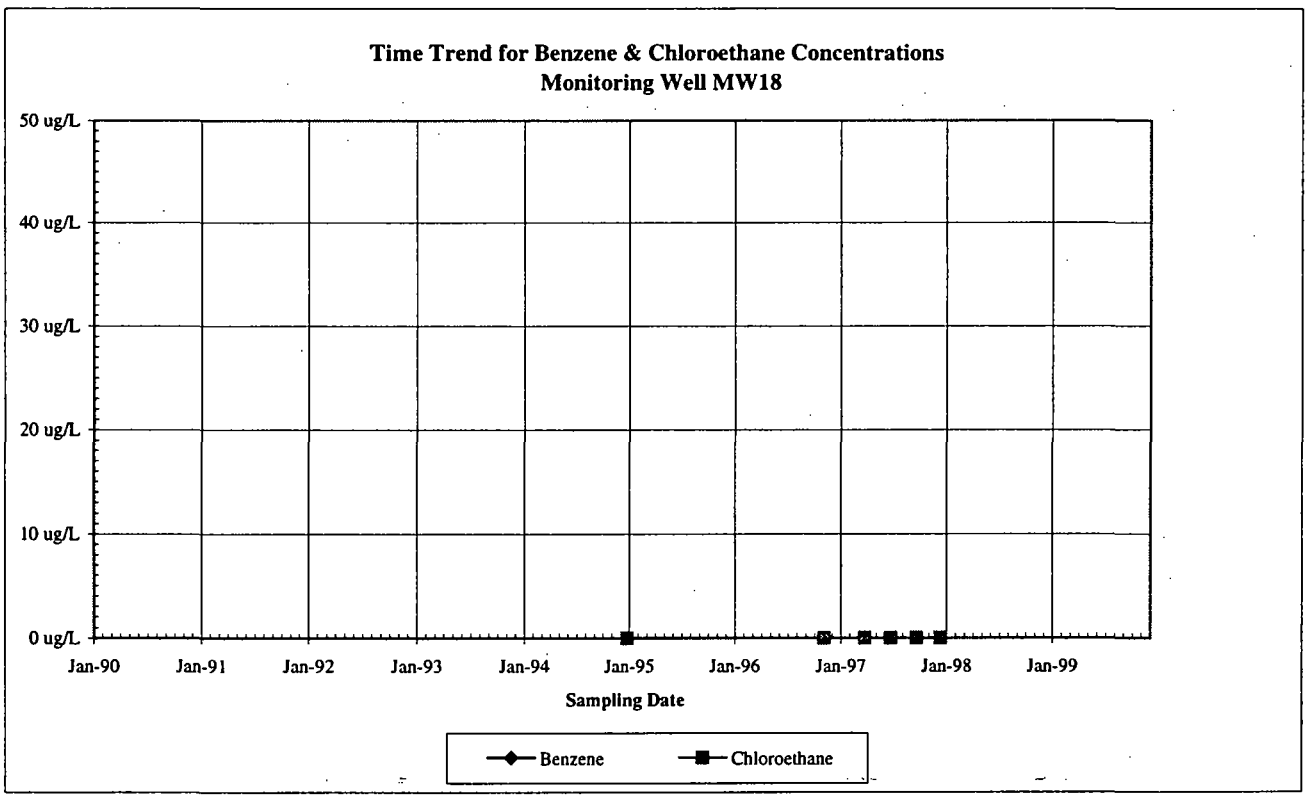
Upper Aquifer Monitoring Well: MW18

Baseline Groundwater Monitoring
ACS NPL Site

MW18

Date	Benzene	Chloroethane
August-89		
May-90		
December-94	BDL	BDL
November-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98		
November-98		
March-99		
October-99		

BDL = Below the Detection Limit



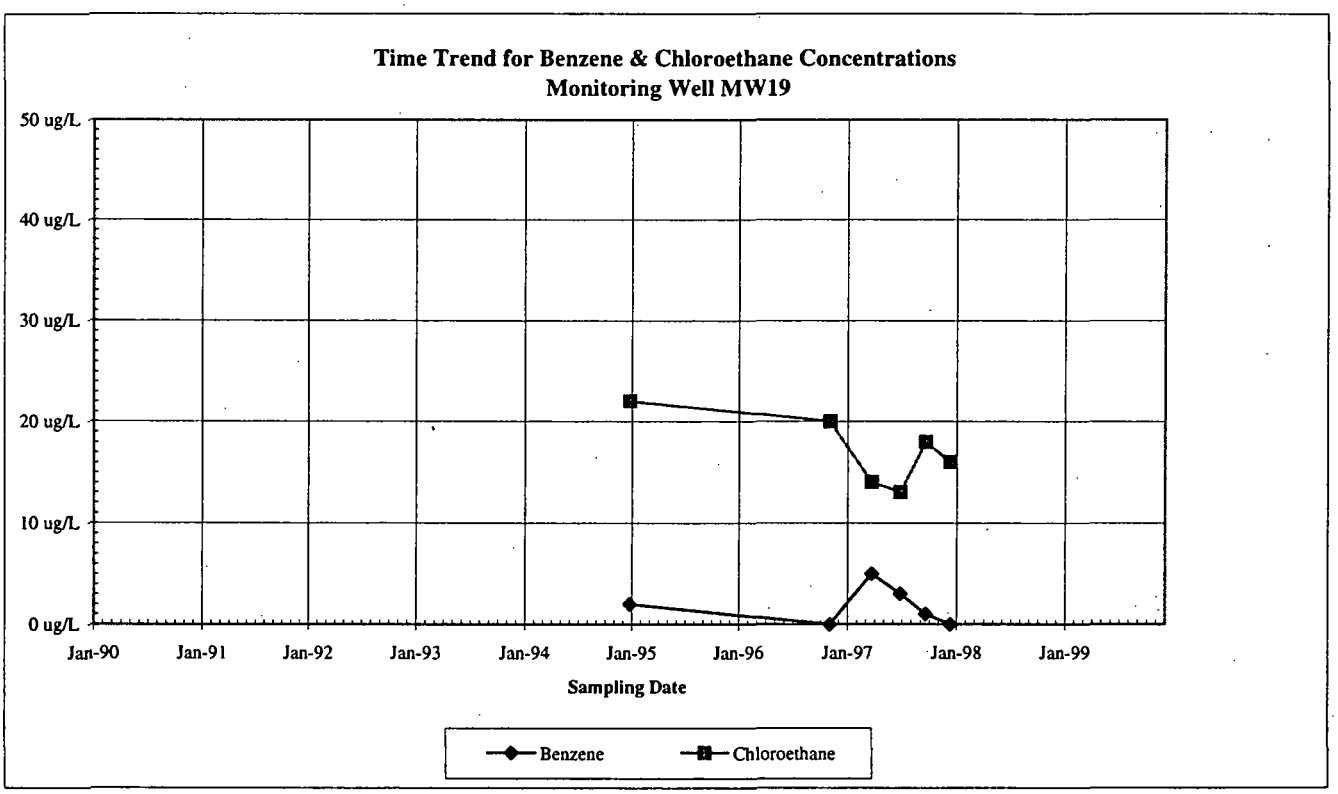
Upper Aquifer Monitoring Well: MW19

Baseline Groundwater Monitoring
ACS NPL Site

MW19

Date	Benzene	Chloroethane
August-89		
May-90		
December-94	2 ug/L	22 ug/L
November-96	BDL	20 ug/L
March-97	5 ug/L	14 ug/L
June-97	3 ug/L	13 ug/L
September-97	1 ug/L	18 ug/L
December-97	BDL	16 ug/L
June-98		
November-98		
March-99		
October-99		

BDL = Below the Detection Limit



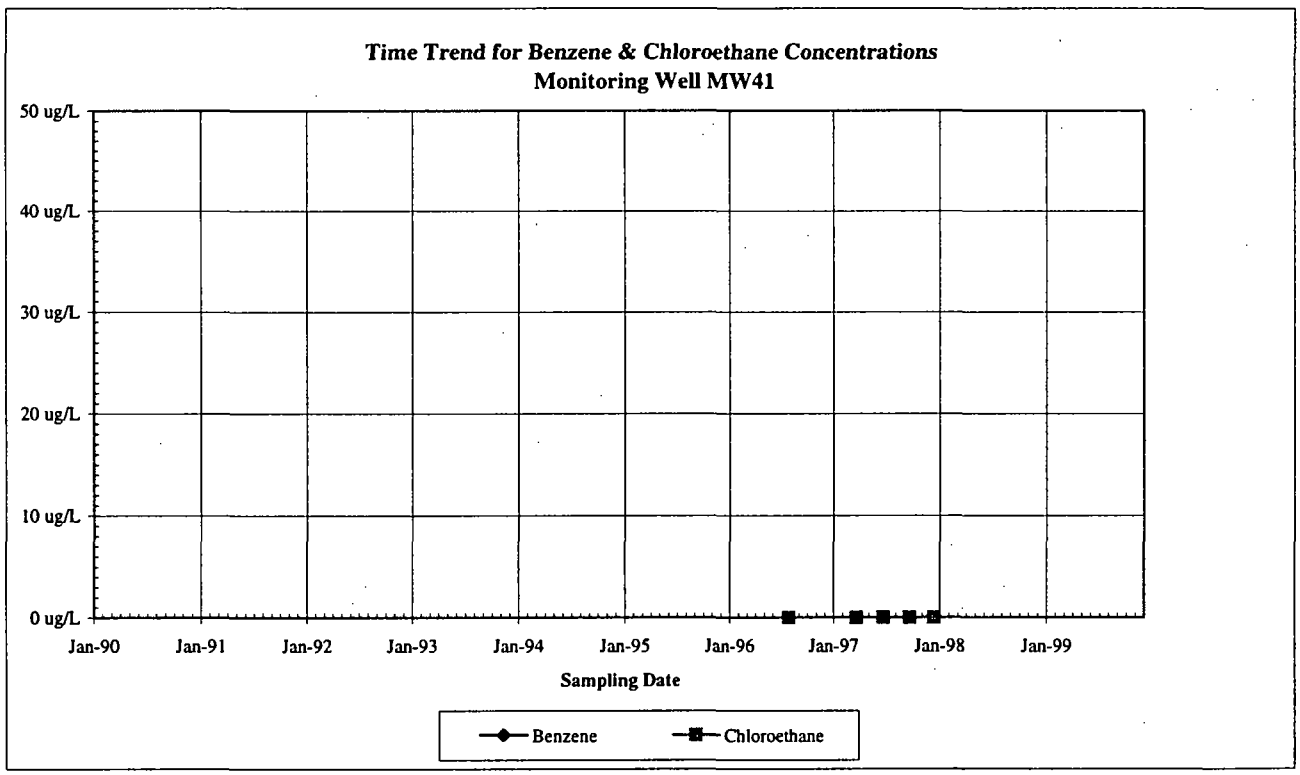
Upper Aquifer Monitoring Well: MW41

Baseline Groundwater Monitoring
ACS NPL Site

MW41

Date	Benzene	Chloroethane
August-89		
May-90		
December-94		
August-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98		
November-98		
March-99		
October-99		

BDL = Below the Detection Limit



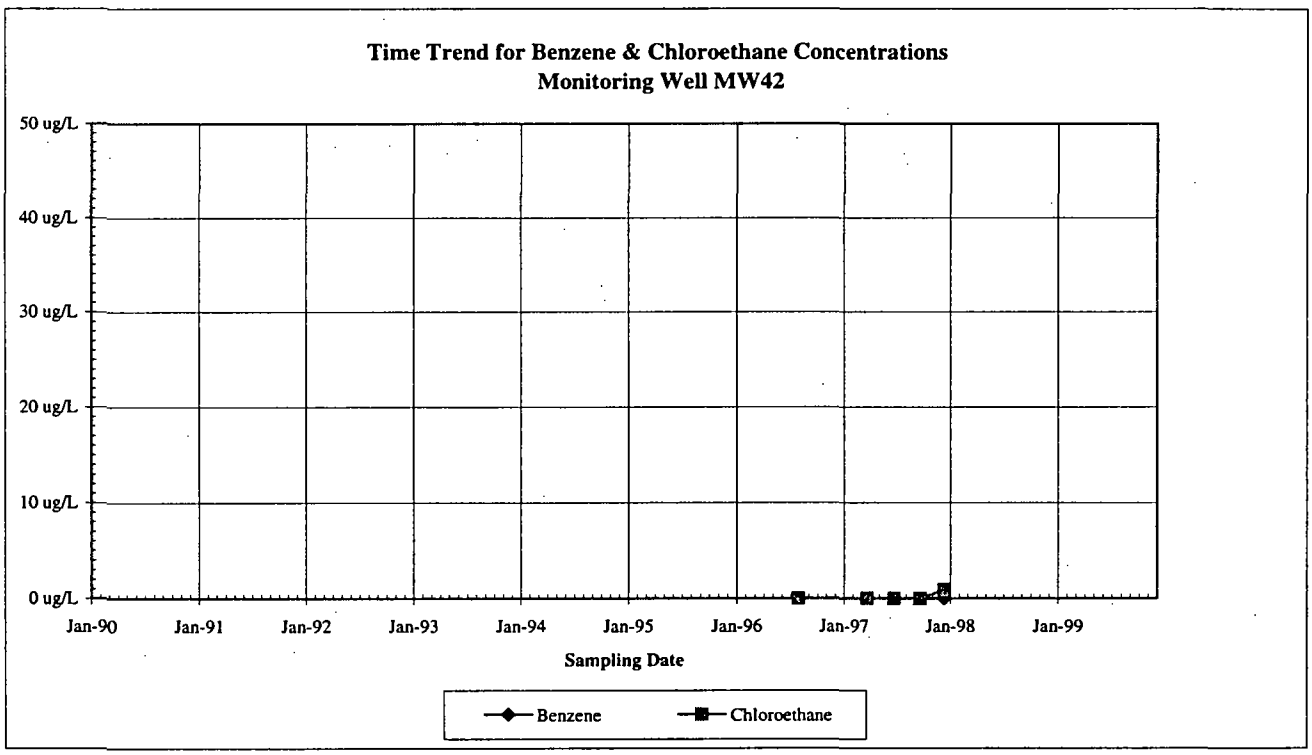
Upper Aquifer Monitoring Well: MW42

Baseline Groundwater Monitoring
ACS NPL Site

MW42

Date	Benzene	Chloroethane
August-89		
May-90		
December-94		
August-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	0.9 ug/L
June-98		
November-98		
March-99		
October-99		

BDL = Below the Detection Limit



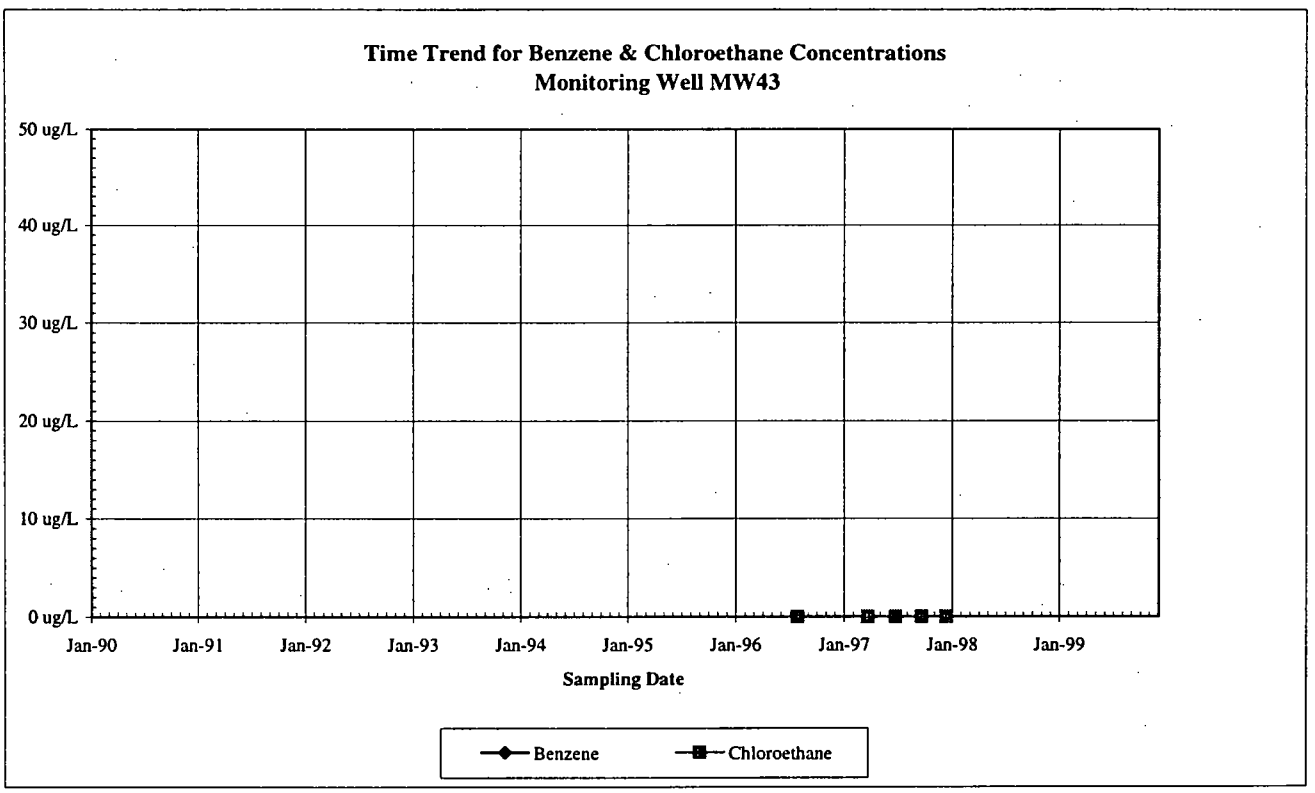
Upper Aquifer Monitoring Well: MW43

Baseline Groundwater Monitoring
ACS NPL Site

MW43

Date	Benzene	Chloroethane
August-89		
May-90		
December-94		
August-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98		
November-98		
March-99		
October-99		

BDL = Below the Detection Limit



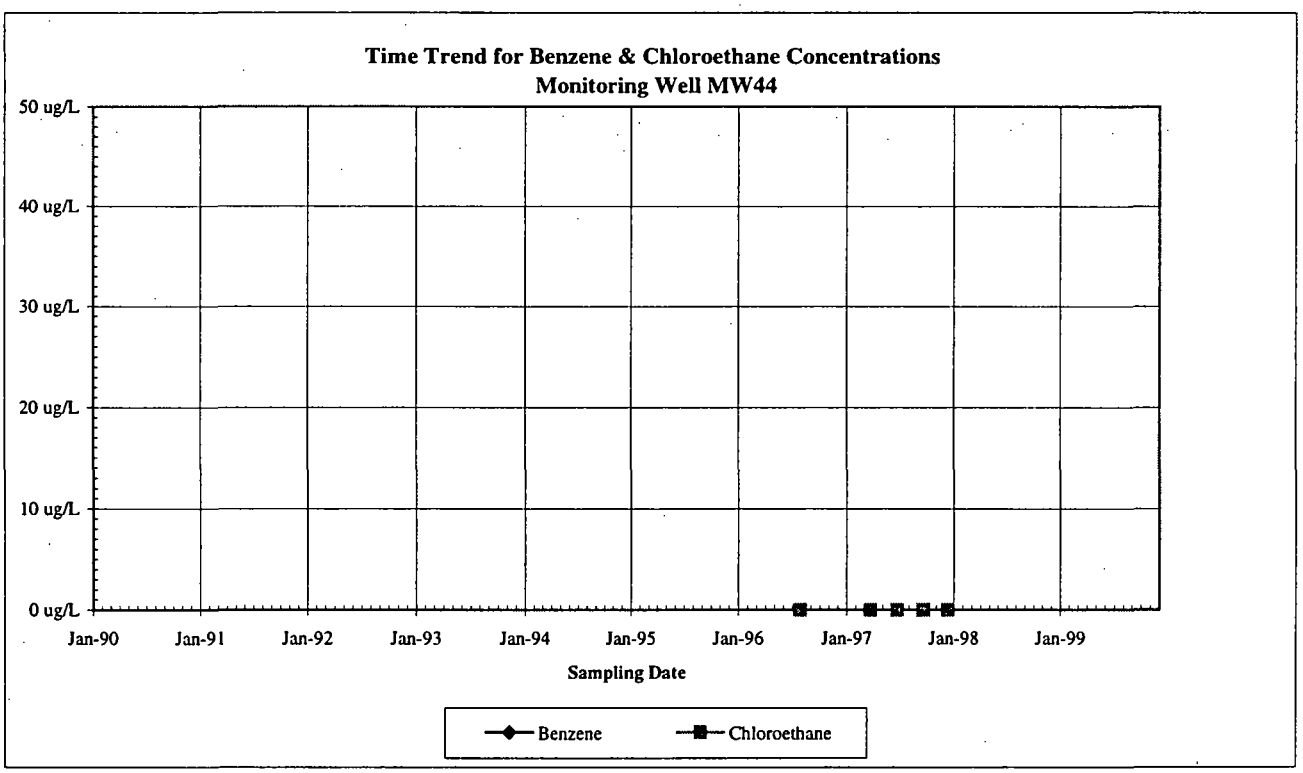
Upper Aquifer Monitoring Well: MW44

Baseline Groundwater Monitoring
ACS NPL Site

MW44

Date	Benzene	Chloroethane
August-89		
May-90		
December-94		
August-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98		
November-98		
March-99		
October-99		

BDL = Below the Detection Limit



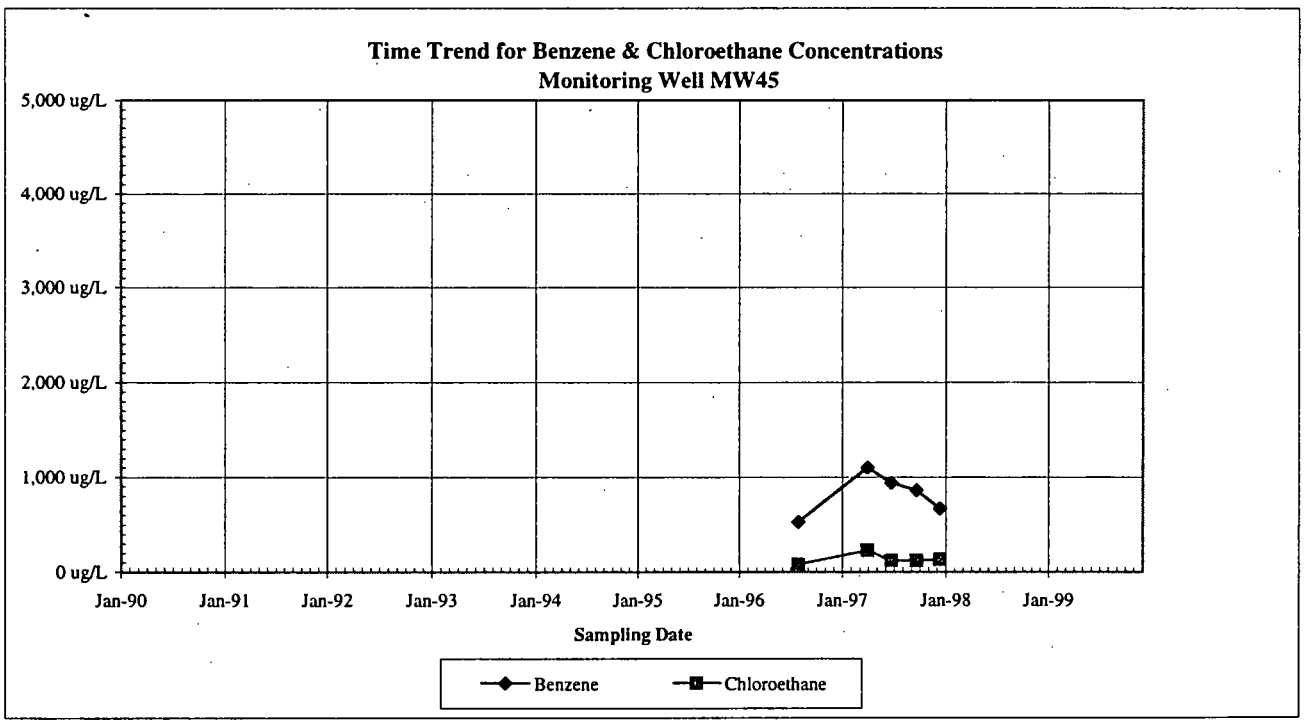
Upper Aquifer Monitoring Well: MW45

Baseline Groundwater Monitoring
ACS NPL Site

MW45

Date	Benzene	Chloroethane
August-89		
May-90		
December-94		
August-96	530 ug/L	82 ug/L
April-97	1,100 ug/L	230 ug/L
June-97	940 ug/L	120 ug/L
September-97	860 ug/L	120 ug/L
December-97	670 ug/L	130 ug/L
June-98		
November-98		
March-99		
October-99		

BDL = Below the Detection Limit



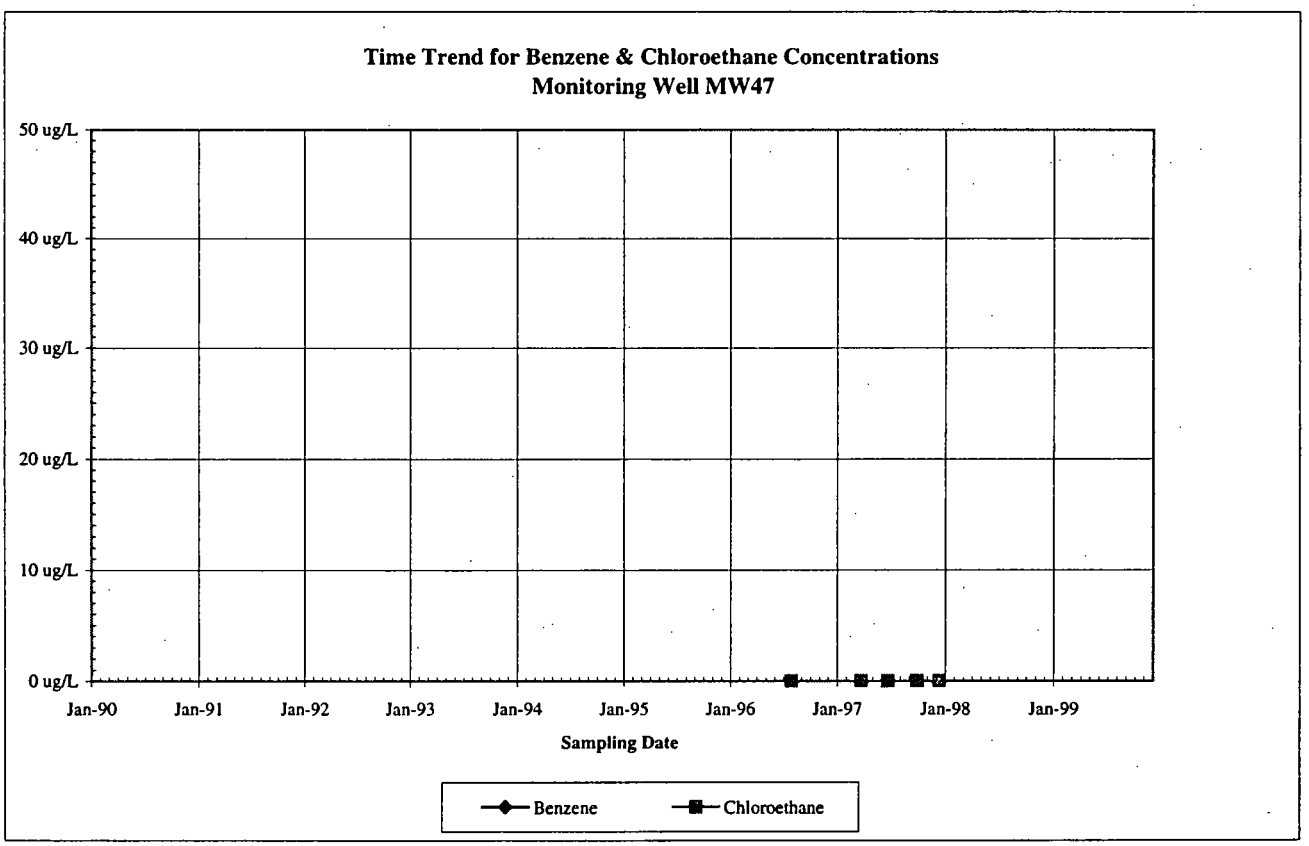
Upper Aquifer Monitoring Well: MW47

Baseline Groundwater Monitoring
ACS NPL Site

MW47

Date	Benzene	Chloroethane
August-89		
May-90		
December-94		
August-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
October-97	BDL	BDL
December-97	BDL	BDL
June-98		
November-98		
March-99		
October-99		

BDL = Below the Detection Limit



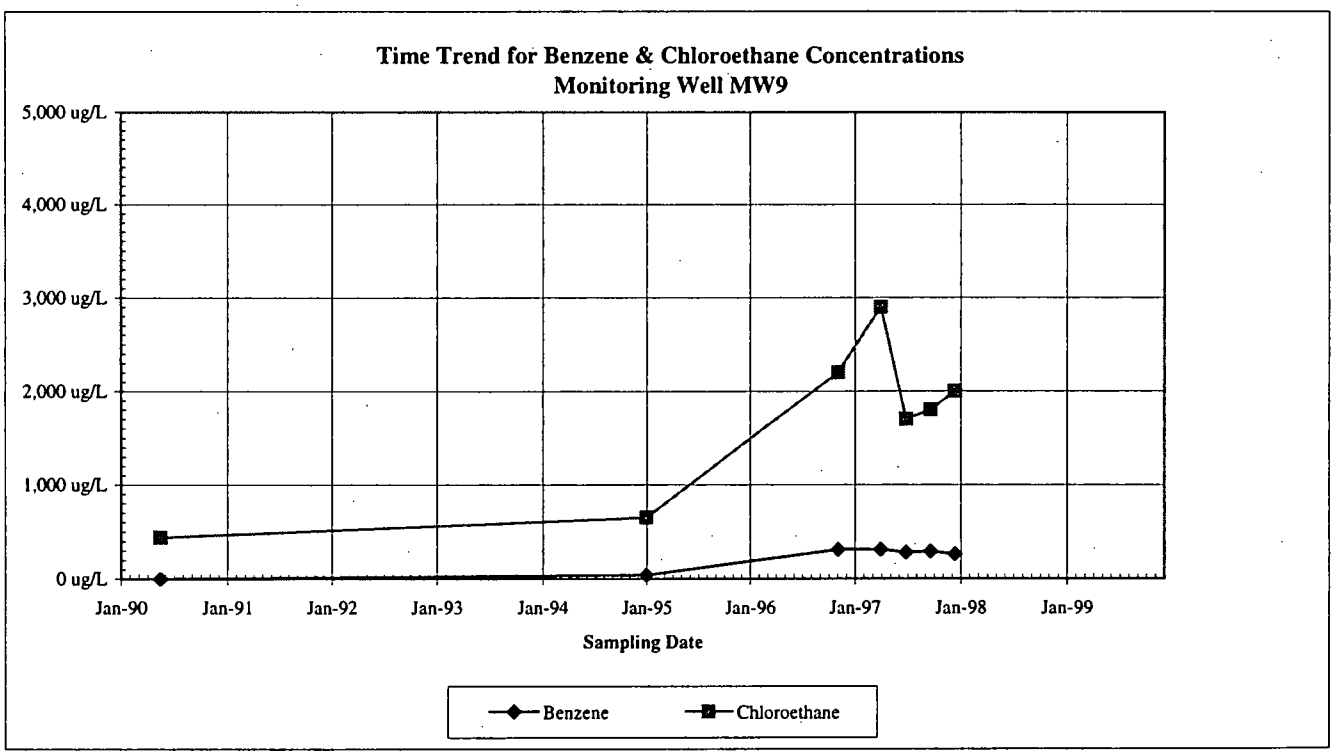
Lower Aquifer Monitoring Well: MW9

Baseline Groundwater Monitoring
ACS NPL Site

MW9

Date	Benzene	Chloroethane
August-89		
May-90	BDL	440 ug/L
January-95	40 ug/L	650 ug/L
November-96	310 ug/L	2,200 ug/L
April-97	310 ug/L	2,900 ug/L
June-97	280 ug/L	1,700 ug/L
September-97	290 ug/L	1,800 ug/L
December-97	260 ug/L	2,000 ug/L
June-98		
November-98		
March-99		
October-99		

BDL = Below the Detection Limit



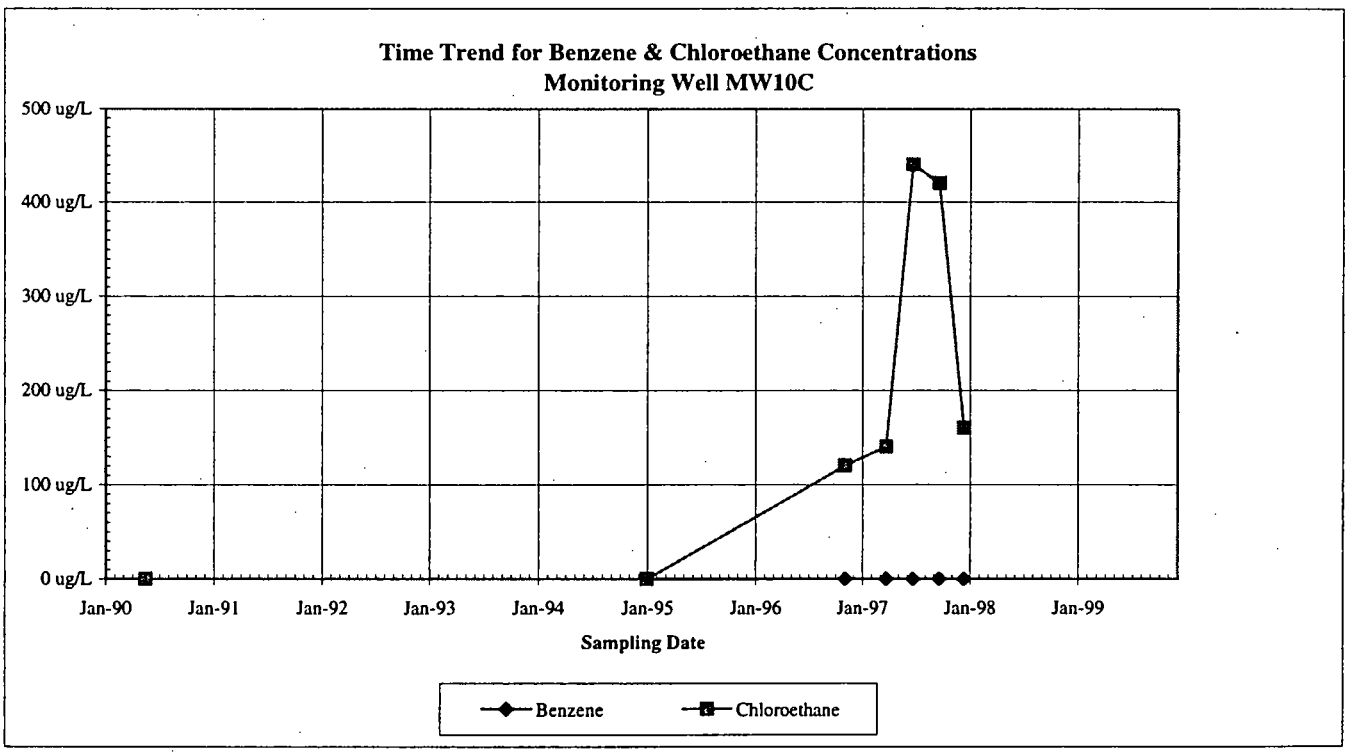
Lower Aquifer Monitoring Well: MW10C

Baseline Groundwater Monitoring
ACS NPL Site

MW10C

Date	Benzene	Chloroethane
August-89		
May-90	BDL	BDL
January-95	BDL	BDL
November-96	BDL	120 ug/L
March-97	BDL	140 ug/L
June-97	BDL	440 ug/L
September-97	BDL	420 ug/L
December-97	BDL	160 ug/L
June-98		
November-98		
March-99		
October-99		

BDL = Below the Detection Limit



APPENDIX B

COMPARISON OF DECEMBER 1997 RESULTS TO BASELINE MAXIMUM CONCENTRATIONS

Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
M-1S	1,1,1-Trichloroethane	ug/L	10		U	U	1.0
M-1S	1,1,2,2-Tetrachloroethane	ug/L	10		U	U	1.0
M-1S	1,1,2-Trichloroethane	ug/L	10		U	U	1.0
M-1S	1,1-Dichloroethane	ug/L	10		U	U	1.0
M-1S	1,1-Dichloroethene	ug/L	10		U	U	1.0
M-1S	1,2-Dichloroethane	ug/L	10		U	U	1.0
M-1S	1,2-Dichloroethene (total)	ug/L	10		U		1.0
M-1S	1,2-Dichloropropane	ug/L	10		U	U	1.0
M-1S	2-Butanone	ug/L	10		U	R	5.0
M-1S	2-Hexanone	ug/L	10		U	U	5.0
M-1S	4-Methyl-2-pentanone	ug/L	10		U	U	5.0
M-1S	Acetone	ug/L	18		U	R	5.0
M-1S	Benzene	ug/L	10		U	U	1.0
M-1S	Bromodichloromethane	ug/L	10		U	U	1.0
M-1S	Bromoform	ug/L	10		U	U	1.0
M-1S	Bromomethane	ug/L	10		U	U	1.0
M-1S	Carbon disulfide	ug/L	10		U	U	1.0
M-1S	Carbon Tetrachloride	ug/L	10		U	U	1.0
M-1S	Chlorobenzene	ug/L	10		U	U	1.0
M-1S	Chloroethane	ug/L	10	0.50	J	J	1.0
M-1S	Chloroform	ug/L	10		U	U	1.0
M-1S	Chloromethane	ug/L	10		U	U	1.0
M-1S	cis-1,3-Dichloropropene	ug/L	10		U	U	1.0
M-1S	Dibromochloromethane	ug/L	10		U	U	1.0
M-1S	Ethyl Benzene	ug/L	10		U	U	1.0
M-1S	Methylene chloride	ug/L	10		U	U	2.0
M-1S	Styrene	ug/L	10		U	U	1.0
M-1S	Tetrachloroethene	ug/L	10		U	U	1.0
M-1S	Toluene	ug/L	10		J	U	1.0
M-1S	trans-1,3-Dichloropropene	ug/L	10		U	U	1.0
M-1S	Trichloroethene	ug/L	10		U	U	1.0
M-1S	Vinyl chloride	ug/L	10		U	U	1.0
M-1S	Xylenes (total)	ug/L	10		U	U	5.0
M-3S	1,1,1-Trichloroethane	ug/L	10			U	1.0
M-3S	1,1,2,2-Tetrachloroethane	ug/L	10			U	1.0
M-3S	1,1,2-Trichloroethane	ug/L	10			U	1.0
M-3S	1,1-Dichloroethane	ug/L	10			U	1.0
M-3S	1,1-Dichloroethene	ug/L	10			U	1.0
M-3S	1,2-Dichloroethane	ug/L	10			U	1.0
M-3S	1,2-Dichloroethene (total)	ug/L	10		U		1.0
M-3S	1,2-Dichloropropane	ug/L	10			U	1.0
M-3S	2-Butanone	ug/L	10			R	NA
M-3S	2-Hexanone	ug/L	10			U	5.0
M-3S	4-Methyl-2-pentanone	ug/L	10			U	5.0
M-3S	Acetone	ug/L	10			R	NA
M-3S	Benzene	ug/L	10			U	1.0
M-3S	Bromodichloromethane	ug/L	10			U	1.0
M-3S	Bromoform	ug/L	10			U	1.0
M-3S	Bromomethane	ug/L	10			U	1.0

BOLD = Exceedance

NA = Not Available

Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
M-3S	Carbon disulfide	ug/L	10			U	1.0
M-3S	Carbon Tetrachloride	ug/L	10			U	1.0
M-3S	Chlorobenzene	ug/L	10			U	1.0
M-3S	Chloroethane	ug/L	10			UJ	1.0
M-3S	Chloroform	ug/L	10			U	1.0
M-3S	Chloromethane	ug/L	10			U	1.0
M-3S	cis-1,3-Dichloropropene	ug/L	10			U	1.0
M-3S	Dibromochloromethane	ug/L	10			U	1.0
M-3S	Ethyl Benzene	ug/L	10			U	1.0
M-3S	Methylene chloride	ug/L	10			UJ	2.0
M-3S	Styrene	ug/L	10			U	1.0
M-3S	Tetrachloroethene	ug/L	10			U	1.0
M-3S	Toluene	ug/L	10			U	1.0
M-3S	trans-1,3-Dichloropropene	ug/L	10			U	1.0
M-3S	Trichloroethene	ug/L	10			U	1.0
M-3S	Vinyl chloride	ug/L	10			U	1.0
M-3S	Xylenes (total)	ug/L	10			U	5.0
M-4D	1,1,1-Trichloroethane	ug/L	10		U	U	1.0
M-4D	1,1,2,2-Tetrachloroethane	ug/L	10		U	U	1.0
M-4D	1,1,2-Trichloroethane	ug/L	10		U	U	1.0
M-4D	1,1-Dichloroethane	ug/L	10		U	U	1.0
M-4D	1,1-Dichloroethene	ug/L	10		U	U	1.0
M-4D	1,2-Dichloroethane	ug/L	10		U	U	1.0
M-4D	1,2-Dichloroethene (total)	ug/L	10		U		1.0
M-4D	1,2-Dichloropropane	ug/L	10		U	U	1.0
M-4D	2-Butanone	ug/L	10		U	R	5.0
M-4D	2-Hexanone	ug/L	10		U	U	5.0
M-4D	4-Methyl-2-pentanone	ug/L	10		U	U	5.0
M-4D	Acetone	ug/L	10		U	R	5.0
M-4D	Benzene	ug/L	10		J	UJ	1.0
M-4D	Bromodichloromethane	ug/L	10		U	U	1.0
M-4D	Bromoform	ug/L	10		U	U	1.0
M-4D	Bromomethane	ug/L	10		U	U	1.0
M-4D	Carbon disulfide	ug/L	10		U	U	1.0
M-4D	Carbon Tetrachloride	ug/L	10		U	U	1.0
M-4D	Chlorobenzene	ug/L	10		U	U	1.0
M-4D	Chloroethane	ug/L	10	0.10	J	J	1.0
M-4D	Chloroform	ug/L	10		U	U	1.0
M-4D	Chloromethane	ug/L	10		U	U	1.0
M-4D	cis-1,3-Dichloropropene	ug/L	10		U	U	1.0
M-4D	Dibromochloromethane	ug/L	10		U	U	1.0
M-4D	Ethyl Benzene	ug/L	10		U	U	1.0
M-4D	Methylene chloride	ug/L	10		U	U	2.0
M-4D	Styrene	ug/L	10		U	U	1.0
M-4D	Tetrachloroethene	ug/L	10		U	U	1.0
M-4D	Toluene	ug/L	10		J	U	1.0
M-4D	trans-1,3-Dichloropropene	ug/L	10		U	U	1.0
M-4D	Trichloroethene	ug/L	10		U	U	1.0
M-4D	Vinyl chloride	ug/L	10		U	U	1.0

BOLD = Exceedance

NA = Not Available

Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
M-4D	Xylenes (total)	ug/L	10		U	U	5.0
M-4S	1,1,1-Trichloroethane	ug/L	100		U	U	80
M-4S	1,1,2,2-Tetrachloroethane	ug/L	100		U	U	80
M-4S	1,1,2-Trichloroethane	ug/L	100		U	U	80
M-4S	1,1-Dichloroethane	ug/L	100		U	U	80
M-4S	1,1-Dichloroethene	ug/L	100		U	U	80
M-4S	1,2-Dichloroethane	ug/L	100		U	U	80
M-4S	1,2-Dichloroethene (total)	ug/L	100		U		80
M-4S	1,2-Dichloropropane	ug/L	100		U	U	80
M-4S	2-Butanone	ug/L	100		U	R	400
M-4S	2-Hexanone	ug/L	100		U	U	400
M-4S	4-Methyl-2-pentanone	ug/L	100		U	U	400
M-4S	Acetone	ug/L	100		U	R	400
M-4S	Benzene	ug/L	190	75	J	UJ	80
M-4S	Bromodichloromethane	ug/L	100		U	U	80
M-4S	Bromoform	ug/L	100		U	U	80
M-4S	Bromomethane	ug/L	100		U	U	80
M-4S	Carbon disulfide	ug/L	100		U	U	80
M-4S	Carbon Tetrachloride	ug/L	100		U	U	80
M-4S	Chlorobenzene	ug/L	100		U	U	80
M-4S	Chloroethane	ug/L	1,300	1,200		J	80
M-4S	Chloroform	ug/L	100		U	U	80
M-4S	Chloromethane	ug/L	100		U	U	80
M-4S	cis-1,3-Dichloropropene	ug/L	100		U	U	80
M-4S	Dibromochloromethane	ug/L	100		U	U	80
M-4S	Ethyl Benzene	ug/L	100		U	U	80
M-4S	Methylene chloride	ug/L	100	10	J	UJ	160
M-4S	Styrene	ug/L	100		U	U	80
M-4S	Tetrachloroethene	ug/L	100		U	U	80
M-4S	Toluene	ug/L	100		U	U	80
M-4S	trans-1,3-Dichloropropene	ug/L	100		U	U	80
M-4S	Trichloroethene	ug/L	100		U	U	80
M-4S	Vinyl chloride	ug/L	100		U	U	80
M-4S	Xylenes (total)	ug/L	100		U	U	400
MW-06	1,1,1-Trichloroethane	ug/L	50		U	U	120
MW-06	1,1,2,2-Tetrachloroethane	ug/L	50		U	U	120
MW-06	1,1,2-Trichloroethane	ug/L	50		U	U	120
MW-06	1,1-Dichloroethane	ug/L	21		U	U	120
MW-06	1,1-Dichloroethene	ug/L	50		U	U	120
MW-06	1,2-Dichloroethane	ug/L	50		U	U	120
MW-06	1,2-Dichloroethene (total)	ug/L	26		U		120
MW-06	1,2-Dichloropropane	ug/L	50		U	U	120
MW-06	2-Butanone	ug/L	50		U	R	620
MW-06	2-Hexanone	ug/L	50		U	U	620
MW-06	4-Methyl-2-pentanone	ug/L	50		U	U	620
MW-06	Acetone	ug/L	50		U	R	620
MW-06	Benzene	ug/L	320	**1,900**			120
MW-06	Bromodichloromethane	ug/L	50		U	U	120
MW-06	Bromoform	ug/L	50		U	U	120

BOLD = Exceedance
NA = Not Available

Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-06	Bromomethane	ug/L	50		U	U	120
MW-06	Carbon disulfide	ug/L	50		U	U	120
MW-06	Carbon Tetrachloride	ug/L	50		U	U	120
MW-06	Chlorobenzene	ug/L	50		U	U	120
MW-06	Chloroethane	ug/L	720	550		J	120
MW-06	Chloroform	ug/L	50		U	U	120
MW-06	Chloromethane	ug/L	50		U	U	120
MW-06	cis-1,3-Dichloropropene	ug/L	50		U	U	120
MW-06	Dibromochloromethane	ug/L	50		U	U	120
MW-06	Ethyl Benzene	ug/L	16	**100**	J		120
MW-06	Methylene chloride	ug/L	17		U	U	250
MW-06	Styrene	ug/L	50		U	U	120
MW-06	Tetrachloroethene	ug/L	50		U	U	120
MW-06	Toluene	ug/L	50		U	U	120
MW-06	trans-1,3-Dichloropropene	ug/L	50		U	U	120
MW-06	Trichloroethene	ug/L	50		U	U	120
MW-06	Vinyl chloride	ug/L	50		U	U	120
MW-06	Xylenes (total)	ug/L	40	**220**	J		620
MW-07	1,1,1-Trichloroethane	ug/L	10		U	U	1.0
MW-07	1,1,2,2-Tetrachloroethane	ug/L	10		U	U	1.0
MW-07	1,1,2-Trichloroethane	ug/L	10		U	U	1.0
MW-07	1,1-Dichloroethane	ug/L	10		U	U	1.0
MW-07	1,1-Dichloroethene	ug/L	10		U	U	1.0
MW-07	1,2-Dichloroethane	ug/L	10		U	U	1.0
MW-07	1,2-Dichloroethene (total)	ug/L	10		U		1.0
MW-07	1,2-Dichloropropane	ug/L	10		U	U	1.0
MW-07	2-Butanone	ug/L	10		U	R	5.0
MW-07	2-Hexanone	ug/L	10		U	U	5.0
MW-07	4-Methyl-2-pentanone	ug/L	10		U	U	5.0
MW-07	Acetone	ug/L	24		U	R	5.0
MW-07	Benzene	ug/L	10		U	U	1.0
MW-07	Bromodichloromethane	ug/L	10		U	U	1.0
MW-07	Bromoform	ug/L	10		U	U	1.0
MW-07	Bromomethane	ug/L	10		U	U	1.0
MW-07	Carbon disulfide	ug/L	10		U	U	1.0
MW-07	Carbon Tetrachloride	ug/L	10		U	U	1.0
MW-07	Chlorobenzene	ug/L	10		U	U	1.0
MW-07	Chloroethane	ug/L	10		U	U	1.0
MW-07	Chloroform	ug/L	10		U	U	1.0
MW-07	Chloromethane	ug/L	10	0.30	J	J	1.0
MW-07	cis-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-07	Dibromochloromethane	ug/L	10		U	U	1.0
MW-07	Ethyl Benzene	ug/L	10		U	U	1.0
MW-07	Methylene chloride	ug/L	10		J	U	2.0
MW-07	Styrene	ug/L	10		U	U	1.0
MW-07	Tetrachloroethene	ug/L	10		U	U	1.0
MW-07	Toluene	ug/L	10		J	U	1.0
MW-07	trans-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-07	Trichloroethene	ug/L	10		U	U	1.0

BOLD = Exceedance
NA = Not Available

Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-07	Vinyl chloride	ug/L	10		U	U	1.0
MW-07	Xylenes (total)	ug/L	10		U	U	5.0
MW-08	1,1,1-Trichloroethane	ug/L	10			U	1.0
MW-08	1,1,2,2-Tetrachloroethane	ug/L	10			U	1.0
MW-08	1,1,2-Trichloroethane	ug/L	10			U	1.0
MW-08	1,1-Dichloroethane	ug/L	10			U	1.0
MW-08	1,1-Dichloroethene	ug/L	10			U	1.0
MW-08	1,2-Dichloroethane	ug/L	10			U	1.0
MW-08	1,2-Dichloroethene (total)	ug/L	10		U		1.0
MW-08	1,2-Dichloropropane	ug/L	10			U	1.0
MW-08	2-Butanone	ug/L	10			R	NA
MW-08	2-Hexanone	ug/L	10			U	5.0
MW-08	4-Methyl-2-pentanone	ug/L	10			U	5.0
MW-08	Acetone	ug/L	10			R	NA
MW-08	Benzene	ug/L	10			U	1.0
MW-08	Bromodichloromethane	ug/L	10			U	1.0
MW-08	Bromoform	ug/L	10			U	1.0
MW-08	Bromomethane	ug/L	10			U	1.0
MW-08	Carbon disulfide	ug/L	10			U	1.0
MW-08	Carbon Tetrachloride	ug/L	10			U	1.0
MW-08	Chlorobenzene	ug/L	10			U	1.0
MW-08	Chloroethane	ug/L	10			U	1.0
MW-08	Chloroform	ug/L	10			U	1.0
MW-08	Chloromethane	ug/L	10			U	1.0
MW-08	cis-1,3-Dichloropropene	ug/L	10			U	1.0
MW-08	Dibromochloromethane	ug/L	10			U	1.0
MW-08	Ethyl Benzene	ug/L	10			U	1.0
MW-08	Methylene chloride	ug/L	10			U	2.0
MW-08	Styrene	ug/L	10			U	1.0
MW-08	Tetrachloroethene	ug/L	10			U	1.0
MW-08	Toluene	ug/L	10			U	1.0
MW-08	trans-1,3-Dichloropropene	ug/L	10			U	1.0
MW-08	Trichloroethene	ug/L	10			U	1.0
MW-08	Vinyl chloride	ug/L	10			U	1.0
MW-08	Xylenes (total)	ug/L	10	0.20	J	J	NA
MW-09	1,1,1-Trichloroethane	ug/L	200		U		100
MW-09	1,1,2,2-Tetrachloroethane	ug/L	200		U		100
MW-09	1,1,2-Trichloroethane	ug/L	200		U		100
MW-09	1,1-Dichloroethane	ug/L	200		U		100
MW-09	1,1-Dichloroethene	ug/L	200		U		100
MW-09	1,2-Dichlorobenzene	ug/L	50		U		100
MW-09	1,2-Dichloroethane	ug/L	200		U		100
MW-09	1,2-Dichloroethene (total)	ug/L	200		U		100
MW-09	1,2-Dichloropropane	ug/L	200		U		100
MW-09	2-Butanone	ug/L	200		U	R	500
MW-09	2-Hexanone	ug/L	200		U		500
MW-09	4-Methyl-2-pentanone	ug/L	200		U		500
MW-09	Acetone	ug/L	200		U	R	500
MW-09	Benzene	ug/L	310	260			NA

BOLD = Exceedance

NA = Not Available

Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-09	Bromodichloromethane	ug/L	200		U		100
MW-09	Bromoform	ug/L	200		U		100
MW-09	Bromomethane	ug/L	200		U		100
MW-09	Carbon disulfide	ug/L	200		U		100
MW-09	Carbon Tetrachloride	ug/L	200		U		100
MW-09	Chlorobenzene	ug/L	200		U		100
MW-09	Chloroethane	ug/L	2,900	2,000			NA
MW-09	Chloroform	ug/L	200		U		100
MW-09	Chloromethane	ug/L	200		U		100
MW-09	cis-1,3-Dichloropropene	ug/L	200		U		100
MW-09	Dibromochloromethane	ug/L	200		U		100
MW-09	Ethyl Benzene	ug/L	200		U		100
MW-09	Methylene chloride	ug/L	200	76	J	J	NA
MW-09	Styrene	ug/L	200		U		100
MW-09	Tetrachloroethene	ug/L	200		U		100
MW-09	Toluene	ug/L	200		U		100
MW-09	trans-1,3-Dichloropropene	ug/L	200		U		100
MW-09	Trichloroethene	ug/L	200		U		100
MW-09	Vinyl chloride	ug/L	200		U		100
MW-09	Xylenes (total)	ug/L	200		U		500
MW-10C	1,1,1-Trichloroethane	ug/L	150		U		12
MW-10C	1,1,2,2-Tetrachloroethane	ug/L	150		U		12
MW-10C	1,1,2-Trichloroethane	ug/L	150		U		12
MW-10C	1,1-Dichloroethane	ug/L	150		U		12
MW-10C	1,1-Dichloroethene	ug/L	150		U		12
MW-10C	1,2-Dichlorobenzene	ug/L	10		U		12
MW-10C	1,2-Dichloroethane	ug/L	150		U		12
MW-10C	1,2-Dichloroethene (total)	ug/L	150		U		12
MW-10C	1,2-Dichloropropane	ug/L	150		U		12
MW-10C	2-Butanone	ug/L	150		U	R	62
MW-10C	2-Hexanone	ug/L	150		U		62
MW-10C	4-Methyl-2-pentanone	ug/L	150		U		62
MW-10C	Acetone	ug/L	150		U	R	62
MW-10C	Benzene	ug/L	150		U		12
MW-10C	Bromodichloromethane	ug/L	150		U		12
MW-10C	Bromoform	ug/L	150		U		12
MW-10C	Bromomethane	ug/L	150		U		12
MW-10C	Carbon disulfide	ug/L	150		U		12
MW-10C	Carbon Tetrachloride	ug/L	150		U		12
MW-10C	Chlorobenzene	ug/L	150		U		12
MW-10C	Chloroethane	ug/L	420	160			NA
MW-10C	Chloroform	ug/L	150		U		12
MW-10C	Chloromethane	ug/L	150		U	UJ	12
MW-10C	cis-1,3-Dichloropropene	ug/L	150		U		12
MW-10C	Dibromochloromethane	ug/L	150		U		12
MW-10C	Ethyl Benzene	ug/L	150		U		12
MW-10C	Methylene chloride	ug/L	128		JB	U	25
MW-10C	Styrene	ug/L	150		U		12
MW-10C	Tetrachloroethene	ug/L	150		U		12

BOLD = Exceedance

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-10C	Toluene	ug/L	150		U		12
MW-10C	trans-1,3-Dichloropropene	ug/L	150		U		12
MW-10C	Trichloroethene	ug/L	150		U		12
MW-10C	Vinyl chloride	ug/L	129		U		12
MW-10C	Xylenes (total)	ug/L	150		U		62
MW-11	1,1,1-Trichloroethane	ug/L	10		U	U	1.0
MW-11	1,1,2,2-Tetrachloroethane	ug/L	10		U	U	1.0
MW-11	1,1,2-Trichloroethane	ug/L	10		U	U	1.0
MW-11	1,1-Dichloroethane	ug/L	10		U	U	1.0
MW-11	1,1-Dichloroethene	ug/L	10		U	U	1.0
MW-11	1,2-Dichloroethane	ug/L	10	0.30	J	J	1.0
MW-11	1,2-Dichloroethene (total)	ug/L	10	0.20	J	J	1.0
MW-11	1,2-Dichloropropane	ug/L	10		U	U	1.0
MW-11	2-Butanone	ug/L	10		U	R	5.0
MW-11	2-Hexanone	ug/L	10		U	U	5.0
MW-11	4-Methyl-2-pentanone	ug/L	10		U	U	5.0
MW-11	Acetone	ug/L	10		U	R	5.0
MW-11	Benzene	ug/L	10		U	U	1.0
MW-11	Bromodichloromethane	ug/L	10		U	U	1.0
MW-11	Bromoform	ug/L	10		U	U	1.0
MW-11	Bromomethane	ug/L	10		U	U	1.0
MW-11	Carbon disulfide	ug/L	10		U	U	1.0
MW-11	Carbon Tetrachloride	ug/L	10		U	U	1.0
MW-11	Chlorobenzene	ug/L	10		U	U	1.0
MW-11	Chloroethane	ug/L	10		U	U	1.0
MW-11	Chloroform	ug/L	10		U	U	1.0
MW-11	Chloromethane	ug/L	10	0.20	J	J	1.0
MW-11	cis-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-11	Dibromochloromethane	ug/L	10		U	U	1.0
MW-11	Ethyl Benzene	ug/L	10		U	U	1.0
MW-11	Methylene chloride	ug/L	10		J	U	2.0
MW-11	Styrene	ug/L	10		U	U	1.0
MW-11	Tetrachloroethene	ug/L	10		U	U	1.0
MW-11	Toluene	ug/L	10		U	U	1.0
MW-11	trans-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-11	Trichloroethene	ug/L	10		U	U	1.0
MW-11	Vinyl chloride	ug/L	10		U	U	1.0
MW-11	Xylenes (total)	ug/L	10		U	U	5.0
MW-12	1,1,1-Trichloroethane	ug/L	10		U	U	1.0
MW-12	1,1,2,2-Tetrachloroethane	ug/L	10		U	U	1.0
MW-12	1,1,2-Trichloroethane	ug/L	10		U	U	1.0
MW-12	1,1-Dichloroethane	ug/L	10	0.30	J		1.0
MW-12	1,1-Dichloroethene	ug/L	10		U	U	1.0
MW-12	1,2-Dichloroethane	ug/L	10		U	U	1.0
MW-12	1,2-Dichloroethene (total)	ug/L	10	0.50	J		1.0
MW-12	1,2-Dichloropropane	ug/L	10		U	U	1.0
MW-12	2-Butanone	ug/L	10		U	R	5.0
MW-12	2-Hexanone	ug/L	10		U	U	5.0
MW-12	4-Methyl-2-pentanone	ug/L	10		U	U	5.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-12	Acetone	ug/L	19		U	R	5.0
MW-12	Benzene	ug/L	10			U	1.0
MW-12	Bromodichloromethane	ug/L	10		U	U	1.0
MW-12	Bromoform	ug/L	10		U	U	1.0
MW-12	Bromomethane	ug/L	10		U	U	1.0
MW-12	Carbon disulfide	ug/L	10		U	U	1.0
MW-12	Carbon Tetrachloride	ug/L	10		U	U	1.0
MW-12	Chlorobenzene	ug/L	10	5.0			1.0
MW-12	Chloroethane	ug/L	10		U	U	1.0
MW-12	Chloroform	ug/L	10		U	U	1.0
MW-12	Chloromethane	ug/L	10		U	U	1.0
MW-12	cis-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-12	Dibromochloromethane	ug/L	10		U	U	1.0
MW-12	Ethyl Benzene	ug/L	10		U	U	1.0
MW-12	Methylene chloride	ug/L	10		U	U	2.0
MW-12	Styrene	ug/L	10		U	U	1.0
MW-12	Tetrachloroethene	ug/L	10		U	U	1.0
MW-12	Toluene	ug/L	10		U	U	1.0
MW-12	trans-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-12	Trichloroethene	ug/L	10		U	U	1.0
MW-12	Vinyl chloride	ug/L	10		U	U	1.0
MW-12	Xylenes (total)	ug/L	10		U	U	5.0
MW-13	1,1,1-Trichloroethane	ug/L	50		U	U	1.0
MW-13	1,1,2,2-Tetrachloroethane	ug/L	50		U	U	1.0
MW-13	1,1,2-Trichloroethane	ug/L	50		U	U	1.0
MW-13	1,1-Dichloroethane	ug/L	50		U	U	1.0
MW-13	1,1-Dichloroethene	ug/L	50		U	U	1.0
MW-13	1,2-Dichloroethane	ug/L	50		U	U	1.0
MW-13	1,2-Dichloroethene (total)	ug/L	50		U		1.0
MW-13	1,2-Dichloropropane	ug/L	50		U	U	1.0
MW-13	2-Butanone	ug/L	50		U	R	5.0
MW-13	2-Hexanone	ug/L	50		U	U	5.0
MW-13	4-Methyl-2-pentanone	ug/L	50		U	U	5.0
MW-13	Acetone	ug/L	50		U	R	5.0
MW-13	Benzene	ug/L	610			UJ	4.0
MW-13	Bromodichloromethane	ug/L	50		U	U	1.0
MW-13	Bromoform	ug/L	50		U	U	1.0
MW-13	Bromomethane	ug/L	50		U	U	1.0
MW-13	Carbon disulfide	ug/L	50		U	U	1.0
MW-13	Carbon Tetrachloride	ug/L	50		U	U	1.0
MW-13	Chlorobenzene	ug/L	50		U	U	1.0
MW-13	Chloroethane	ug/L	570	20			1.0
MW-13	Chloroform	ug/L	50	0.30	J		1.0
MW-13	Chloromethane	ug/L	50		J	UJ	1.0
MW-13	cis-1,3-Dichloropropene	ug/L	50		U	U	1.0
MW-13	Dibromochloromethane	ug/L	50		U	U	1.0
MW-13	Ethyl Benzene	ug/L	50		U	U	1.0
MW-13	Methylene chloride	ug/L	50		JB	UJ	2.0
MW-13	Styrene	ug/L	50		U	U	1.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-13	Tetrachloroethene	ug/L	50		U	U	1.0
MW-13	Toluene	ug/L	50		U	U	1.0
MW-13	trans-1,3-Dichloropropene	ug/L	50		U	U	1.0
MW-13	Trichloroethene	ug/L	50		U	U	1.0
MW-13	Vinyl chloride	ug/L	50		U	U	1.0
MW-13	Xylenes (total)	ug/L	50		U	U	5.0
MW-14	1,1,1-Trichloroethane	ug/L	100		U		1.0
MW-14	1,1,2,2-Tetrachloroethane	ug/L	100		U		1.0
MW-14	1,1,2-Trichloroethane	ug/L	100		U		1.0
MW-14	1,1-Dichloroethane	ug/L	100		U		1.0
MW-14	1,1-Dichloroethene	ug/L	100		U		1.0
MW-14	1,2-Dichlorobenzene	ug/L	10		U		1.0
MW-14	1,2-Dichloroethane	ug/L	100		U		1.0
MW-14	1,2-Dichloroethene (total)	ug/L	100		U		1.0
MW-14	1,2-Dichloropropane	ug/L	100		U		1.0
MW-14	2-Butanone	ug/L	100		U	R	5.0
MW-14	2-Hexanone	ug/L	100		U		5.0
MW-14	4-Methyl-2-pentanone	ug/L	100		U		5.0
MW-14	Acetone	ug/L	100		U	R	5.0
MW-14	Benzene	ug/L	41		U		1.0
MW-14	Bromodichloromethane	ug/L	100		U		1.0
MW-14	Bromoform	ug/L	100		U		1.0
MW-14	Bromomethane	ug/L	100		U		1.0
MW-14	Carbon disulfide	ug/L	100	0.10	J		NA
MW-14	Carbon Tetrachloride	ug/L	100		U		1.0
MW-14	Chlorobenzene	ug/L	100		U		1.0
MW-14	Chloroethane	ug/L	1,000		U		1.0
MW-14	Chloroform	ug/L	100		U		1.0
MW-14	Chloromethane	ug/L	100	0.10	U		NA
MW-14	cis-1,3-Dichloropropene	ug/L	100		U		1.0
MW-14	Dibromochloromethane	ug/L	100		U		1.0
MW-14	Ethyl Benzene	ug/L	100		U		1.0
MW-14	Methylene chloride	ug/L	14		J	U	2.0
MW-14	Styrene	ug/L	100		U		1.0
MW-14	Tetrachloroethene	ug/L	100		U		1.0
MW-14	Toluene	ug/L	100		J	U	1.0
MW-14	trans-1,3-Dichloropropene	ug/L	100		U		1.0
MW-14	Trichloroethene	ug/L	100		U		1.0
MW-14	Vinyl chloride	ug/L	100		U		1.0
MW-14	Xylenes (total)	ug/L	100		U		5.0
MW-15	1,1,1-Trichloroethane	ug/L	10		U	U	1.0
MW-15	1,1,2,2-Tetrachloroethane	ug/L	10		U	U	1.0
MW-15	1,1,2-Trichloroethane	ug/L	10		U	U	1.0
MW-15	1,1-Dichloroethane	ug/L	10		U	U	1.0
MW-15	1,1-Dichloroethene	ug/L	10		U	U	1.0
MW-15	1,2-Dichloroethane	ug/L	10		U	U	1.0
MW-15	1,2-Dichloroethene (total)	ug/L	10	0.10	J		1.0
MW-15	1,2-Dichloropropane	ug/L	10		U	U	1.0
MW-15	2-Butanone	ug/L	10		U	R	5.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-15	2-Hexanone	ug/L	10		U	U	5.0
MW-15	4-Methyl-2-pentanone	ug/L	10		U	U	5.0
MW-15	Acetone	ug/L	10		J	R	5.0
MW-15	Benzene	ug/L	10	5.0	J		1.0
MW-15	Bromodichloromethane	ug/L	10		U	U	1.0
MW-15	Bromoform	ug/L	10		U	U	1.0
MW-15	Bromomethane	ug/L	10		U	U	1.0
MW-15	Carbon disulfide	ug/L	10		U	U	1.0
MW-15	Carbon Tetrachloride	ug/L	10		U	U	1.0
MW-15	Chlorobenzene	ug/L	10	0.20	J		1.0
MW-15	Chloroethane	ug/L	10	2.0		J	1.0
MW-15	Chloroform	ug/L	10		U	U	1.0
MW-15	Chloromethane	ug/L	10		U	U	1.0
MW-15	cis-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-15	Dibromochloromethane	ug/L	10		U	U	1.0
MW-15	Ethyl Benzene	ug/L	10		U	U	1.0
MW-15	Methylene chloride	ug/L	10		U	U	2.0
MW-15	Styrene	ug/L	10		U	U	1.0
MW-15	Tetrachloroethene	ug/L	10		U	U	1.0
MW-15	Toluene	ug/L	10		J	U	1.0
MW-15	trans-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-15	Trichloroethene	ug/L	10		U	U	1.0
MW-15	Vinyl chloride	ug/L	10	0.20	J		1.0
MW-15	Xylenes (total)	ug/L	10		U	U	5.0
MW-18	1,1,1-Trichloroethane	ug/L	10		U	U	1.0
MW-18	1,1,2,2-Tetrachloroethane	ug/L	10		U	U	1.0
MW-18	1,1,2-Trichloroethane	ug/L	10		U	U	1.0
MW-18	1,1-Dichloroethane	ug/L	10		U	U	1.0
MW-18	1,1-Dichloroethene	ug/L	10		U	U	1.0
MW-18	1,2-Dichloroethane	ug/L	10		U	U	1.0
MW-18	1,2-Dichloroethene (total)	ug/L	10		U		1.0
MW-18	1,2-Dichloropropane	ug/L	10		U	U	1.0
MW-18	2-Butanone	ug/L	10		U	R	5.0
MW-18	2-Hexanone	ug/L	10		U	U	5.0
MW-18	4-Methyl-2-pentanone	ug/L	10		U	U	5.0
MW-18	Acetone	ug/L	10		U	R	5.0
MW-18	Benzene	ug/L	10		U	U	1.0
MW-18	Bromodichloromethane	ug/L	10		U	U	1.0
MW-18	Bromoform	ug/L	10		U	U	1.0
MW-18	Bromomethane	ug/L	10		U	U	1.0
MW-18	Carbon disulfide	ug/L	10		U	U	1.0
MW-18	Carbon Tetrachloride	ug/L	10		U	U	1.0
MW-18	Chlorobenzene	ug/L	10		U	U	1.0
MW-18	Chloroethane	ug/L	10		U	UJ	1.0
MW-18	Chloroform	ug/L	10		U	U	1.0
MW-18	Chloromethane	ug/L	10		U	U	1.0
MW-18	cis-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-18	Dibromochloromethane	ug/L	10		U	U	1.0
MW-18	Ethyl Benzene	ug/L	10		U	U	1.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-18	Methylene chloride	ug/L	10		U	U	2.0
MW-18	Styrene	ug/L	10		U	U	1.0
MW-18	Tetrachloroethene	ug/L	10		U	U	1.0
MW-18	Toluene	ug/L	10		J	U	1.0
MW-18	trans-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-18	Trichloroethene	ug/L	10		U	U	1.0
MW-18	Vinyl chloride	ug/L	10		U	U	1.0
MW-18	Xylenes (total)	ug/L	10		U	U	5.0
MW-19	1,1,1-Trichloroethane	ug/L	10		U	U	1.0
MW-19	1,1,2,2-Tetrachloroethane	ug/L	10		U	U	1.0
MW-19	1,1,2-Trichloroethane	ug/L	10		U	U	1.0
MW-19	1,1-Dichloroethane	ug/L	10		U	U	1.0
MW-19	1,1-Dichloroethene	ug/L	10		U	U	1.0
MW-19	1,2-Dichloroethane	ug/L	10		U	U	1.0
MW-19	1,2-Dichloroethene (total)	ug/L	10		U		1.0
MW-19	1,2-Dichloropropane	ug/L	10		U	U	1.0
MW-19	2-Butanone	ug/L	10		U	R	5.0
MW-19	2-Hexanone	ug/L	10		U	U	5.0
MW-19	4-Methyl-2-pentanone	ug/L	10		U	U	5.0
MW-19	Acetone	ug/L	12		U	R	5.0
MW-19	Benzene	ug/L	10		U	U	1.0
MW-19	Bromodichloromethane	ug/L	10		U	U	1.0
MW-19	Bromoform	ug/L	10		U	U	1.0
MW-19	Bromomethane	ug/L	10		U	U	1.0
MW-19	Carbon disulfide	ug/L	10		U	U	1.0
MW-19	Carbon Tetrachloride	ug/L	10		U	U	1.0
MW-19	Chlorobenzene	ug/L	10		U	U	1.0
MW-19	Chloroethane	ug/L	20	16			1.0
MW-19	Chloroform	ug/L	10		J	U	1.0
MW-19	Chloromethane	ug/L	10		U	U	1.0
MW-19	cis-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-19	Dibromochloromethane	ug/L	10		U	U	1.0
MW-19	Ethyl Benzene	ug/L	10		U	U	1.0
MW-19	Methylene chloride	ug/L	10		J	U	2.0
MW-19	Styrene	ug/L	10		U	U	1.0
MW-19	Tetrachloroethene	ug/L	10		U	U	1.0
MW-19	Toluene	ug/L	10		U	U	1.0
MW-19	trans-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-19	Trichloroethene	ug/L	10		U	U	1.0
MW-19	Vinyl chloride	ug/L	10		U	U	1.0
MW-19	Xylenes (total)	ug/L	10		U	U	5.0
MW-22	1,1,1-Trichloroethane	ug/L	10		U	U	1.0
MW-22	1,1,2,2-Tetrachloroethane	ug/L	10		U	U	1.0
MW-22	1,1,2-Trichloroethane	ug/L	10		U	U	1.0
MW-22	1,1-Dichloroethane	ug/L	10		U	U	1.0
MW-22	1,1-Dichloroethene	ug/L	10		U	U	1.0
MW-22	1,2-Dichloroethane	ug/L	10		U	U	1.0
MW-22	1,2-Dichloroethene (total)	ug/L	10		U		1.0
MW-22	1,2-Dichloropropane	ug/L	10		U	U	1.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-22	2-Butanone	ug/L	10		U	R	5.0
MW-22	2-Hexanone	ug/L	10		U	U	5.0
MW-22	4-Methyl-2-pentanone	ug/L	10		U	U	5.0
MW-22	Acetone	ug/L	10		U	R	5.0
MW-22	Benzene	ug/L	10		U	U	1.0
MW-22	Bromodichloromethane	ug/L	10		U	U	1.0
MW-22	Bromoform	ug/L	10		U	U	1.0
MW-22	Bromomethane	ug/L	10		U	U	1.0
MW-22	Carbon disulfide	ug/L	10	0.40	J		1.0
MW-22	Carbon Tetrachloride	ug/L	10		U	U	1.0
MW-22	Chlorobenzene	ug/L	10		U	U	1.0
MW-22	Chloroethane	ug/L	10		U	U	1.0
MW-22	Chloroform	ug/L	10		U	U	1.0
MW-22	Chloromethane	ug/L	10		U	U	1.0
MW-22	cis-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-22	Dibromochloromethane	ug/L	10		U	U	1.0
MW-22	Ethyl Benzene	ug/L	10		U	U	1.0
MW-22	Methylene chloride	ug/L	10		U	U	2.0
MW-22	Styrene	ug/L	10		U	U	1.0
MW-22	Tetrachloroethene	ug/L	10		U	U	1.0
MW-22	Toluene	ug/L	10		J	UJ	1.0
MW-22	trans-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-22	Trichloroethene	ug/L	10		U	U	1.0
MW-22	Vinyl chloride	ug/L	10		U	U	1.0
MW-22	Xylenes (total)	ug/L	10		U	U	5.0
MW-23	1,1,1-Trichloroethane	ug/L	10		U	U	1.0
MW-23	1,1,2,2-Tetrachloroethane	ug/L	10		U	U	1.0
MW-23	1,1,2-Trichloroethane	ug/L	10		U	U	1.0
MW-23	1,1-Dichloroethane	ug/L	10		U	U	1.0
MW-23	1,1-Dichloroethene	ug/L	10		U	U	1.0
MW-23	1,2-Dichloroethane	ug/L	10		U	U	1.0
MW-23	1,2-Dichloroethene (total)	ug/L	10		U		1.0
MW-23	1,2-Dichloropropane	ug/L	10		U	U	1.0
MW-23	2-Butanone	ug/L	10		U	R	5.0
MW-23	2-Hexanone	ug/L	10		U	U	5.0
MW-23	4-Methyl-2-pentanone	ug/L	10		U	U	5.0
MW-23	Acetone	ug/L	10			R	5.0
MW-23	Benzene	ug/L	10		J	U	1.0
MW-23	Bromodichloromethane	ug/L	10		U	U	1.0
MW-23	Bromoform	ug/L	10		U	U	1.0
MW-23	Bromomethane	ug/L	10		U	U	1.0
MW-23	Carbon disulfide	ug/L	10		U	U	1.0
MW-23	Carbon Tetrachloride	ug/L	10		U	U	1.0
MW-23	Chlorobenzene	ug/L	10		U	U	1.0
MW-23	Chloroethane	ug/L	10		U	U	1.0
MW-23	Chloroform	ug/L	10		U	U	1.0
MW-23	Chloromethane	ug/L	10	0.10	J	J	1.0
MW-23	cis-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-23	Dibromochloromethane	ug/L	10		U	U	1.0

BOLD = Exceedance
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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-23	Ethyl Benzene	ug/L	10		U	U	1.0
MW-23	Methylene chloride	ug/L	10		J	U	2.0
MW-23	Styrene	ug/L	10		U	U	1.0
MW-23	Tetrachloroethene	ug/L	10		U	U	1.0
MW-23	Toluene	ug/L	10		U	U	1.0
MW-23	trans-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-23	Trichloroethene	ug/L	10		U	U	1.0
MW-23	Vinyl chloride	ug/L	10		U	U	1.0
MW-23	Xylenes (total)	ug/L	10		U	U	5.0
MW-24	1,1,1-Trichloroethane	ug/L	10		U	U	1.0
MW-24	1,1,2,2-Tetrachloroethane	ug/L	10		U	U	1.0
MW-24	1,1,2-Trichloroethane	ug/L	10		U	U	1.0
MW-24	1,1-Dichloroethane	ug/L	10		U	U	1.0
MW-24	1,1-Dichloroethene	ug/L	10		U	U	1.0
MW-24	1,2-Dichloroethane	ug/L	10		U	U	1.0
MW-24	1,2-Dichloroethene (total)	ug/L	10		U		1.0
MW-24	1,2-Dichloropropane	ug/L	10		U	U	1.0
MW-24	2-Butanone	ug/L	10		U	R	5.0
MW-24	2-Hexanone	ug/L	10		U	U	5.0
MW-24	4-Methyl-2-pentanone	ug/L	10		U	U	5.0
MW-24	Acetone	ug/L	10		U	R	5.0
MW-24	Benzene	ug/L	10		U	U	1.0
MW-24	Bromodichloromethane	ug/L	10		U	U	1.0
MW-24	Bromoform	ug/L	10		U	U	1.0
MW-24	Bromomethane	ug/L	10		U	UJ	1.0
MW-24	Carbon disulfide	ug/L	10		U	U	1.0
MW-24	Carbon Tetrachloride	ug/L	10		U	U	1.0
MW-24	Chlorobenzene	ug/L	10		U	U	1.0
MW-24	Chloroethane	ug/L	10		U	U	1.0
MW-24	Chloroform	ug/L	10		U	U	1.0
MW-24	Chloromethane	ug/L	10		U	U	1.0
MW-24	cis-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-24	Dibromochloromethane	ug/L	10		U	U	1.0
MW-24	Ethyl Benzene	ug/L	10		U	U	1.0
MW-24	Methylene chloride	ug/L	10		U	U	2.0
MW-24	Styrene	ug/L	10		U	U	1.0
MW-24	Tetrachloroethene	ug/L	10		U	U	1.0
MW-24	Toluene	ug/L	10		U	U	1.0
MW-24	trans-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-24	Trichloroethene	ug/L	10		U	U	1.0
MW-24	Vinyl chloride	ug/L	10		U	U	1.0
MW-24	Xylenes (total)	ug/L	10		U	U	5.0
MW-28	1,1,1-Trichloroethane	ug/L	10		U	U	1.0
MW-28	1,1,2,2-Tetrachloroethane	ug/L	10		U	U	1.0
MW-28	1,1,2-Trichloroethane	ug/L	10		U	U	1.0
MW-28	1,1-Dichloroethane	ug/L	10		U	U	1.0
MW-28	1,1-Dichloroethene	ug/L	10		U	U	1.0
MW-28	1,2-Dichloroethane	ug/L	10		U	U	1.0
MW-28	1,2-Dichloroethene (total)	ug/L	10		U		1.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-28	1,2-Dichloropropane	ug/L	10		U	U	1.0
MW-28	2-Butanone	ug/L	10		U	R	5.0
MW-28	2-Hexanone	ug/L	10		U	U	5.0
MW-28	4-Methyl-2-pentanone	ug/L	10		U	U	5.0
MW-28	Acetone	ug/L	10		U	R	5.0
MW-28	Benzene	ug/L	10		U	U	1.0
MW-28	Bromodichloromethane	ug/L	10		U	U	1.0
MW-28	Bromoform	ug/L	10		U	U	1.0
MW-28	Bromomethane	ug/L	10		U	U	1.0
MW-28	Carbon disulfide	ug/L	10		U	U	1.0
MW-28	Carbon Tetrachloride	ug/L	10		U	U	1.0
MW-28	Chlorobenzene	ug/L	10		U	U	1.0
MW-28	Chloroethane	ug/L	10		U	UJ	1.0
MW-28	Chloroform	ug/L	10		U	U	1.0
MW-28	Chloromethane	ug/L	10		U	U	1.0
MW-28	cis-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-28	Dibromochloromethane	ug/L	10		U	U	1.0
MW-28	Ethyl Benzene	ug/L	10		U	U	1.0
MW-28	Methylene chloride	ug/L	10		J	UJ	2.0
MW-28	Styrene	ug/L	10		U	U	1.0
MW-28	Tetrachloroethene	ug/L	10		U	U	1.0
MW-28	Toluene	ug/L	10		J	U	1.0
MW-28	trans-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-28	Trichloroethene	ug/L	10		U	U	1.0
MW-28	Vinyl chloride	ug/L	10		U	U	1.0
MW-28	Xylenes (total)	ug/L	10		U	U	5.0
MW-29	1,1,1-Trichloroethane	ug/L	10		U		1.0
MW-29	1,1,2,2-Tetrachloroethane	ug/L	10		U		1.0
MW-29	1,1,2-Trichloroethane	ug/L	10		U		1.0
MW-29	1,1-Dichloroethane	ug/L	10		U		1.0
MW-29	1,1-Dichloroethene	ug/L	10		U		1.0
MW-29	1,2-Dichlorobenzene	ug/L	10		U		1.0
MW-29	1,2-Dichloroethane	ug/L	10		U		1.0
MW-29	1,2-Dichloroethene (total)	ug/L	10		U		1.0
MW-29	1,2-Dichloropropane	ug/L	10		U		1.0
MW-29	2-Butanone	ug/L	10		U	R	5.0
MW-29	2-Hexanone	ug/L	10		U		5.0
MW-29	4-Methyl-2-pentanone	ug/L	10		U		5.0
MW-29	Acetone	ug/L	10		U	R	5.0
MW-29	Benzene	ug/L	10			UJ	1.0
MW-29	Bromodichloromethane	ug/L	10		U		1.0
MW-29	Bromoform	ug/L	10		U		1.0
MW-29	Bromomethane	ug/L	10		U		1.0
MW-29	Carbon disulfide	ug/L	10	0.20	J		NA
MW-29	Carbon Tetrachloride	ug/L	10		U		1.0
MW-29	Chlorobenzene	ug/L	10		U		1.0
MW-29	Chloroethane	ug/L	10	1.0			NA
MW-29	Chloroform	ug/L	10		U		1.0
MW-29	Chloromethane	ug/L	10		U		1.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-29	cis-1,3-Dichloropropene	ug/L	10		U		1.0
MW-29	Dibromochloromethane	ug/L	10		U		1.0
MW-29	Ethyl Benzene	ug/L	10		U		1.0
MW-29	Methylene chloride	ug/L	10		J	UJ	2.0
MW-29	Styrene	ug/L	10		U		1.0
MW-29	Tetrachloroethene	ug/L	10		U		1.0
MW-29	trans-1,3-Dichloropropene	ug/L	10		U		1.0
MW-29	Trichloroethene	ug/L	10		U		1.0
MW-29	Vinyl chloride	ug/L	10		U		1.0
MW-29	Xylenes (total)	ug/L	10		U		5.0
MW-30	1,1,1-Trichloroethane	ug/L	10		U	U	1.0
MW-30	1,1,2,2-Tetrachloroethane	ug/L	10		U	U	1.0
MW-30	1,1,2-Trichloroethane	ug/L	10		U	U	1.0
MW-30	1,1-Dichloroethane	ug/L	10		U	U	1.0
MW-30	1,1-Dichloroethene	ug/L	10		U	U	1.0
MW-30	1,2-Dichloroethane	ug/L	10		U	U	1.0
MW-30	1,2-Dichloroethene (total)	ug/L	10		U		1.0
MW-30	1,2-Dichloropropane	ug/L	10		U	U	1.0
MW-30	2-Butanone	ug/L	10		U	R	5.0
MW-30	2-Hexanone	ug/L	10		U	U	5.0
MW-30	4-Methyl-2-pentanone	ug/L	10		U	U	5.0
MW-30	Acetone	ug/L	10		U	R	5.0
MW-30	Benzene	ug/L	10		U	U	1.0
MW-30	Bromodichloromethane	ug/L	10		U	U	1.0
MW-30	Bromoform	ug/L	10		U	UJ	1.0
MW-30	Bromomethane	ug/L	10		U	U	1.0
MW-30	Carbon disulfide	ug/L	10		U	U	1.0
MW-30	Carbon Tetrachloride	ug/L	10		U	U	1.0
MW-30	Chlorobenzene	ug/L	10		U	U	1.0
MW-30	Chloroethane	ug/L	10		U	U	1.0
MW-30	Chloroform	ug/L	10		U	U	1.0
MW-30	Chloromethane	ug/L	10		U	U	1.0
MW-30	cis-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-30	Dibromochloromethane	ug/L	10		U	U	1.0
MW-30	Ethyl Benzene	ug/L	10		U	U	1.0
MW-30	Methylene chloride	ug/L	10		U	U	2.0
MW-30	Styrene	ug/L	10		U	U	1.0
MW-30	Tetrachloroethene	ug/L	10		U	U	1.0
MW-30	Toluene	ug/L	10		U	U	1.0
MW-30	trans-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-30	Trichloroethene	ug/L	10		U	U	1.0
MW-30	Vinyl chloride	ug/L	10		U	U	1.0
MW-30	Xylenes (total)	ug/L	10		U	U	5.0
MW-31	1,1,1-Trichloroethane	ug/L	10		U	U	1.0
MW-31	1,1,2,2-Tetrachloroethane	ug/L	10		U	U	1.0
MW-31	1,1,2-Trichloroethane	ug/L	10		U	U	1.0
MW-31	1,1-Dichloroethane	ug/L	10		U	U	1.0
MW-31	1,1-Dichloroethene	ug/L	10		U	U	1.0
MW-31	1,2-Dichloroethane	ug/L	10		U	U	1.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-31	1,2-Dichloroethene (total)	ug/L	10		U		1.0
MW-31	1,2-Dichloropropane	ug/L	10		U	U	1.0
MW-31	2-Butanone	ug/L	10		U	R	5.0
MW-31	2-Hexanone	ug/L	10		U	U	5.0
MW-31	4-Methyl-2-pentanone	ug/L	10		U	U	5.0
MW-31	Acetone	ug/L	10		U	R	5.0
MW-31	Benzene	ug/L	10		U	U	1.0
MW-31	Bromodichloromethane	ug/L	10		U	U	1.0
MW-31	Bromoform	ug/L	10		U	U	1.0
MW-31	Bromomethane	ug/L	10		U	U	1.0
MW-31	Carbon disulfide	ug/L	10		U	U	1.0
MW-31	Carbon Tetrachloride	ug/L	10		U	U	1.0
MW-31	Chlorobenzene	ug/L	10		U	U	1.0
MW-31	Chloroethane	ug/L	10		U	U	1.0
MW-31	Chloroform	ug/L	10		U	U	1.0
MW-31	Chloromethane	ug/L	10		U	U	1.0
MW-31	cis-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-31	Dibromochloromethane	ug/L	10		U	U	1.0
MW-31	Ethyl Benzene	ug/L	10		U	U	1.0
MW-31	Methylene chloride	ug/L	10		J	U	2.0
MW-31	Styrene	ug/L	10		U	U	1.0
MW-31	Tetrachloroethene	ug/L	10		U	U	1.0
MW-31	Toluene	ug/L	10		U	U	1.0
MW-31	trans-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-31	Trichloroethene	ug/L	10		U	U	1.0
MW-31	Vinyl chloride	ug/L	10		U	U	1.0
MW-31	Xylenes (total)	ug/L	10		U	U	5.0
MW-32	1,1,1-Trichloroethane	ug/L	10		U	U	1.0
MW-32	1,1,2,2-Tetrachloroethane	ug/L	10		U	U	1.0
MW-32	1,1,2-Trichloroethane	ug/L	10		U	U	1.0
MW-32	1,1-Dichloroethane	ug/L	10		U	U	1.0
MW-32	1,1-Dichloroethene	ug/L	10		U	U	1.0
MW-32	1,2-Dichloroethane	ug/L	10		U	U	1.0
MW-32	1,2-Dichloroethene (total)	ug/L	10		U		1.0
MW-32	1,2-Dichloropropane	ug/L	10		U	U	1.0
MW-32	2-Butanone	ug/L	10		U	R	5.0
MW-32	2-Hexanone	ug/L	10		U	U	5.0
MW-32	4-Methyl-2-pentanone	ug/L	10		U	U	5.0
MW-32	Acetone	ug/L	10		U	R	5.0
MW-32	Benzene	ug/L	10		U	U	1.0
MW-32	Bromodichloromethane	ug/L	10		U	U	1.0
MW-32	Bromoform	ug/L	10		U	U	1.0
MW-32	Bromomethane	ug/L	10		U	U	1.0
MW-32	Carbon disulfide	ug/L	10		U	U	1.0
MW-32	Carbon Tetrachloride	ug/L	10		U	U	1.0
MW-32	Chlorobenzene	ug/L	10		U	U	1.0
MW-32	Chloroethane	ug/L	10		U	U	1.0
MW-32	Chloroform	ug/L	10		U	U	1.0
MW-32	Chloromethane	ug/L	10		U	U	1.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-32	cis-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-32	Dibromochloromethane	ug/L	10		U	U	1.0
MW-32	Ethyl Benzene	ug/L	10		U	U	1.0
MW-32	Methylene chloride	ug/L	10		J	U	2.0
MW-32	Styrene	ug/L	10		U	U	1.0
MW-32	Tetrachloroethene	ug/L	10		U	U	1.0
MW-32	Toluene	ug/L	10		U	U	1.0
MW-32	trans-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-32	Trichloroethene	ug/L	10		U	U	1.0
MW-32	Vinyl chloride	ug/L	10		U	U	1.0
MW-32	Xylenes (total)	ug/L	10		U	U	5.0
MW-33	1,1,1-Trichloroethane	ug/L	10		U	U	1.0
MW-33	1,1,2,2-Tetrachloroethane	ug/L	10		U	U	1.0
MW-33	1,1,2-Trichloroethane	ug/L	10		U	U	1.0
MW-33	1,1-Dichloroethane	ug/L	10		U	U	1.0
MW-33	1,1-Dichloroethene	ug/L	10		U	U	1.0
MW-33	1,2-Dichloroethane	ug/L	10		U	U	1.0
MW-33	1,2-Dichloroethene (total)	ug/L	10		U		1.0
MW-33	1,2-Dichloropropane	ug/L	10		U	U	1.0
MW-33	2-Butanone	ug/L	10		U	R	5.0
MW-33	2-Hexanone	ug/L	10		U	U	5.0
MW-33	4-Methyl-2-pentanone	ug/L	10		U	U	5.0
MW-33	Acetone	ug/L	10		U	R	5.0
MW-33	Benzene	ug/L	10		J	UJ	1.0
MW-33	Bromodichloromethane	ug/L	10		U	U	1.0
MW-33	Bromoform	ug/L	10		U	U	1.0
MW-33	Bromomethane	ug/L	10		U	U	1.0
MW-33	Carbon disulfide	ug/L	10		U	U	1.0
MW-33	Carbon Tetrachloride	ug/L	10		U	U	1.0
MW-33	Chlorobenzene	ug/L	10		U	U	1.0
MW-33	Chloroethane	ug/L	10		U	U	1.0
MW-33	Chloroform	ug/L	10		U	U	1.0
MW-33	Chloromethane	ug/L	10		U	U	1.0
MW-33	cis-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-33	Dibromochloromethane	ug/L	10		U	U	1.0
MW-33	Ethyl Benzene	ug/L	10		U	U	1.0
MW-33	Methylene chloride	ug/L	10		JB	UJ	2.0
MW-33	Styrene	ug/L	10		U	U	1.0
MW-33	Tetrachloroethene	ug/L	10		U	U	1.0
MW-33	Toluene	ug/L	10		J	UJ	1.0
MW-33	trans-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-33	Trichloroethene	ug/L	10		U	U	1.0
MW-33	Vinyl chloride	ug/L	10		U	U	1.0
MW-33	Xylenes (total)	ug/L	10		U	U	5.0
MW-34	1,1,1-Trichloroethane	ug/L	10		U	U	1.0
MW-34	1,1,2,2-Tetrachloroethane	ug/L	10		U	U	1.0
MW-34	1,1,2-Trichloroethane	ug/L	10		U	U	1.0
MW-34	1,1-Dichloroethane	ug/L	10		U	U	1.0
MW-34	1,1-Dichloroethene	ug/L	10		U	U	1.0

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December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-34	1,2-Dichloroethane	ug/L	10		U	U	1.0
MW-34	1,2-Dichloroethene (total)	ug/L	10		U		1.0
MW-34	1,2-Dichloropropane	ug/L	10		U	U	1.0
MW-34	2-Butanone	ug/L	10		U	R	5.0
MW-34	2-Hexanone	ug/L	10		U	U	5.0
MW-34	4-Methyl-2-pentanone	ug/L	10		U	U	5.0
MW-34	Acetone	ug/L	10		U	R	5.0
MW-34	Benzene	ug/L	10		U	U	1.0
MW-34	Bromodichloromethane	ug/L	10		U	U	1.0
MW-34	Bromoform	ug/L	10		U	U	1.0
MW-34	Bromomethane	ug/L	10		U	U	1.0
MW-34	Carbon disulfide	ug/L	10	0.20	J		1.0
MW-34	Carbon Tetrachloride	ug/L	10		U	U	1.0
MW-34	Chlorobenzene	ug/L	10		U	U	1.0
MW-34	Chloroethane	ug/L	10		U	U	1.0
MW-34	Chloroform	ug/L	10		U	U	1.0
MW-34	Chloromethane	ug/L	10	0.20	J		1.0
MW-34	cis-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-34	Dibromochloromethane	ug/L	10		U	U	1.0
MW-34	Ethyl Benzene	ug/L	10		U	U	1.0
MW-34	Methylene chloride	ug/L	10		J	UJ	2.0
MW-34	Styrene	ug/L	10		U	U	1.0
MW-34	Tetrachloroethene	ug/L	10		U	U	1.0
MW-34	Toluene	ug/L	10	0.60	J		1.0
MW-34	trans-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-34	Trichloroethene	ug/L	10		U	U	1.0
MW-34	Vinyl chloride	ug/L	10		U	U	1.0
MW-34	Xylenes (total)	ug/L	10		U	U	5.0
MW-36	1,1,1-Trichloroethane	ug/L	10		U	U	1.0
MW-36	1,1,2,2-Tetrachloroethane	ug/L	10		U	U	1.0
MW-36	1,1,2-Trichloroethane	ug/L	10		U	U	1.0
MW-36	1,1-Dichloroethane	ug/L	10		U	U	1.0
MW-36	1,1-Dichloroethene	ug/L	10		U	U	1.0
MW-36	1,2-Dichloroethane	ug/L	10		U	U	1.0
MW-36	1,2-Dichloroethene (total)	ug/L	10		U		1.0
MW-36	1,2-Dichloropropane	ug/L	10		U	U	1.0
MW-36	2-Butanone	ug/L	10		U	R	5.0
MW-36	2-Hexanone	ug/L	10		U	U	5.0
MW-36	4-Methyl-2-pentanone	ug/L	10		U	U	5.0
MW-36	Acetone	ug/L	10			R	5.0
MW-36	Benzene	ug/L	10		U	U	1.0
MW-36	Bromodichloromethane	ug/L	10		U	U	1.0
MW-36	Bromoform	ug/L	10		U	U	1.0
MW-36	Bromomethane	ug/L	10		U	U	1.0
MW-36	Carbon disulfide	ug/L	10		U	U	1.0
MW-36	Carbon Tetrachloride	ug/L	10		U	U	1.0
MW-36	Chlorobenzene	ug/L	10		U	U	1.0
MW-36	Chloroethane	ug/L	10		U	U	1.0
MW-36	Chloroform	ug/L	10		U	U	1.0

BOLD = Exceedance
NA = Not Available

Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-36	Chloromethane	ug/L	10		U	U	1.0
MW-36	cis-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-36	Dibromochloromethane	ug/L	10		U	U	1.0
MW-36	Ethyl Benzene	ug/L	10		U	U	1.0
MW-36	Methylene chloride	ug/L	10		J	U	2.0
MW-36	Styrene	ug/L	10		U	U	1.0
MW-36	Tetrachloroethene	ug/L	10		U	U	1.0
MW-36	Toluene	ug/L	10		U	U	1.0
MW-36	trans-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-36	Trichloroethene	ug/L	10		U	U	1.0
MW-36	Vinyl chloride	ug/L	10		U	U	1.0
MW-36	Xylenes (total)	ug/L	10		U	U	5.0
MW-37	1,1,1-Trichloroethane	ug/L	10		U	U	1.0
MW-37	1,1,2,2-Tetrachloroethane	ug/L	10		U	U	1.0
MW-37	1,1,2-Trichloroethane	ug/L	10		U	U	1.0
MW-37	1,1-Dichloroethane	ug/L	10		U	U	1.0
MW-37	1,1-Dichloroethene	ug/L	10		U	U	1.0
MW-37	1,2-Dichloroethane	ug/L	10		U	U	1.0
MW-37	1,2-Dichloroethene (total)	ug/L	10		U		1.0
MW-37	1,2-Dichloropropane	ug/L	10		U	U	1.0
MW-37	2-Butanone	ug/L	10		U	R	5.0
MW-37	2-Hexanone	ug/L	10		U	U	5.0
MW-37	4-Methyl-2-pentanone	ug/L	10		U	U	5.0
MW-37	Acetone	ug/L	10		U	R	5.0
MW-37	Benzene	ug/L	10		U	U	1.0
MW-37	Bromodichloromethane	ug/L	10		U	U	1.0
MW-37	Bromoform	ug/L	10		U	U	1.0
MW-37	Bromomethane	ug/L	10		U	U	1.0
MW-37	Carbon disulfide	ug/L	10		U	U	1.0
MW-37	Carbon Tetrachloride	ug/L	10		U	U	1.0
MW-37	Chlorobenzene	ug/L	10		U	U	1.0
MW-37	Chloroethane	ug/L	10		U	U	1.0
MW-37	Chloroform	ug/L	10		U	U	1.0
MW-37	Chloromethane	ug/L	10		U	U	1.0
MW-37	cis-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-37	Dibromochloromethane	ug/L	10		U	U	1.0
MW-37	Ethyl Benzene	ug/L	10		U	U	1.0
MW-37	Methylene chloride	ug/L	10		U	U	2.0
MW-37	Styrene	ug/L	10		U	U	1.0
MW-37	Tetrachloroethene	ug/L	10		U	U	1.0
MW-37	Toluene	ug/L	10		U	U	1.0
MW-37	trans-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-37	Trichloroethene	ug/L	10		U	U	1.0
MW-37	Vinyl chloride	ug/L	10		U	U	1.0
MW-37	Xylenes (total)	ug/L	10		U	U	5.0
MW-38	1,1,1-Trichloroethane	ug/L	10		U	U	1.0
MW-38	1,1,2,2-Tetrachloroethane	ug/L	10		U	U	1.0
MW-38	1,1,2-Trichloroethane	ug/L	10		U	U	1.0
MW-38	1,1-Dichloroethane	ug/L	10		U	U	1.0

BOLD = Exceedance
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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-38	1,1-Dichloroethene	ug/L	10		U	U	1.0
MW-38	1,2-Dichloroethane	ug/L	10		U	U	1.0
MW-38	1,2-Dichloroethene (total)	ug/L	10		U		1.0
MW-38	1,2-Dichloropropane	ug/L	10		U	U	1.0
MW-38	2-Butanone	ug/L	10		U	R	5.0
MW-38	2-Hexanone	ug/L	10		U	U	5.0
MW-38	4-Methyl-2-pentanone	ug/L	10		U	U	5.0
MW-38	Acetone	ug/L	10		U	R	5.0
MW-38	Benzene	ug/L	10		U	U	1.0
MW-38	Bromodichloromethane	ug/L	10		U	U	1.0
MW-38	Bromoform	ug/L	10		U	U	1.0
MW-38	Bromomethane	ug/L	10		U	U	1.0
MW-38	Carbon disulfide	ug/L	10		U	U	1.0
MW-38	Carbon Tetrachloride	ug/L	10		U	U	1.0
MW-38	Chlorobenzene	ug/L	10		U	U	1.0
MW-38	Chloroethane	ug/L	10		U	UJ	1.0
MW-38	Chloroform	ug/L	10		U	U	1.0
MW-38	Chloromethane	ug/L	10		U	U	1.0
MW-38	cis-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-38	Dibromochloromethane	ug/L	10		U	U	1.0
MW-38	Ethyl Benzene	ug/L	10		U	U	1.0
MW-38	Methylene chloride	ug/L	10		J	UJ	2.0
MW-38	Styrene	ug/L	10		U	U	1.0
MW-38	Tetrachloroethene	ug/L	10		U	U	1.0
MW-38	Toluene	ug/L	10		U	U	1.0
MW-38	trans-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-38	Trichloroethene	ug/L	10		U	U	1.0
MW-38	Vinyl chloride	ug/L	10		U	U	1.0
MW-38	Xylenes (total)	ug/L	10		U	U	5.0
MW-39	1,1,1-Trichloroethane	ug/L	10		U	U	1.0
MW-39	1,1,2,2-Tetrachloroethane	ug/L	10		U	U	1.0
MW-39	1,1,2-Trichloroethane	ug/L	10		U	U	1.0
MW-39	1,1-Dichloroethane	ug/L	10	0.30	J		1.0
MW-39	1,1-Dichloroethene	ug/L	10		U	U	1.0
MW-39	1,2-Dichloroethane	ug/L	10	0.20	J		1.0
MW-39	1,2-Dichloroethene (total)	ug/L	10	3.0			1.0
MW-39	1,2-Dichloropropane	ug/L	10		U	U	1.0
MW-39	2-Butanone	ug/L	10		U	R	5.0
MW-39	2-Hexanone	ug/L	10		U	U	5.0
MW-39	4-Methyl-2-pentanone	ug/L	10		U	U	5.0
MW-39	Acetone	ug/L	10		U	R	5.0
MW-39	Benzene	ug/L	12	4.0		J	1.0
MW-39	Bromodichloromethane	ug/L	10		U	U	1.0
MW-39	Bromoform	ug/L	10		U	U	1.0
MW-39	Bromomethane	ug/L	10		U	U	1.0
MW-39	Carbon disulfide	ug/L	10		U	U	1.0
MW-39	Carbon Tetrachloride	ug/L	10		U	U	1.0
MW-39	Chlorobenzene	ug/L	10		U	U	1.0
MW-39	Chloroethane	ug/L	10	2.0		J	1.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-39	Chloroform	ug/L	10		U	U	1.0
MW-39	Chloromethane	ug/L	10		U	U	1.0
MW-39	cis-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-39	Dibromochloromethane	ug/L	10		U	U	1.0
MW-39	Ethyl Benzene	ug/L	10		U	U	1.0
MW-39	Methylene chloride	ug/L	10		U	U	2.0
MW-39	Styrene	ug/L	10		U	U	1.0
MW-39	Tetrachloroethene	ug/L	10		U	U	1.0
MW-39	Toluene	ug/L	10		U	U	1.0
MW-39	trans-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-39	Trichloroethene	ug/L	10		U	U	1.0
MW-39	Vinyl chloride	ug/L	10	0.70	J		1.0
MW-39	Xylenes (total)	ug/L	10		U	U	5.0
MW-40	1,1,1-Trichloroethane	ug/L	10			U	1.0
MW-40	1,1,2,2-Tetrachloroethane	ug/L	10			U	1.0
MW-40	1,1,2-Trichloroethane	ug/L	10			U	1.0
MW-40	1,1-Dichloroethane	ug/L	10			U	1.0
MW-40	1,1-Dichloroethene	ug/L	10			U	1.0
MW-40	1,2-Dichloroethane	ug/L	10			U	1.0
MW-40	1,2-Dichloroethene (total)	ug/L	10		U		1.0
MW-40	1,2-Dichloropropane	ug/L	10			U	1.0
MW-40	2-Butanone	ug/L	10			R	NA
MW-40	2-Hexanone	ug/L	10			U	5.0
MW-40	4-Methyl-2-pentanone	ug/L	10			U	5.0
MW-40	Acetone	ug/L	13			R	NA
MW-40	Benzene	ug/L	10			U	1.0
MW-40	Bromodichloromethane	ug/L	10			U	1.0
MW-40	Bromoform	ug/L	10			U	1.0
MW-40	Bromomethane	ug/L	10			U	1.0
MW-40	Carbon disulfide	ug/L	10			U	1.0
MW-40	Carbon Tetrachloride	ug/L	10			U	1.0
MW-40	Chlorobenzene	ug/L	10			U	1.0
MW-40	Chloroethane	ug/L	10			UJ	1.0
MW-40	Chloroform	ug/L	10			U	1.0
MW-40	Chloromethane	ug/L	10			U	1.0
MW-40	cis-1,3-Dichloropropene	ug/L	10			U	1.0
MW-40	Dibromochloromethane	ug/L	10			U	1.0
MW-40	Ethyl Benzene	ug/L	10			U	1.0
MW-40	Methylene chloride	ug/L	10			U	2.0
MW-40	Styrene	ug/L	10			U	1.0
MW-40	Tetrachloroethene	ug/L	10			U	1.0
MW-40	Toluene	ug/L	10			U	1.0
MW-40	trans-1,3-Dichloropropene	ug/L	10			U	1.0
MW-40	Trichloroethene	ug/L	10			U	1.0
MW-40	Vinyl chloride	ug/L	10			U	1.0
MW-40	Xylenes (total)	ug/L	10			U	5.0
MW-41	1,1,1-Trichloroethane	ug/L	10		U	U	1.0
MW-41	1,1,2,2-Tetrachloroethane	ug/L	10		U	U	1.0
MW-41	1,1,2-Trichloroethane	ug/L	10		U	U	1.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-41	1,1-Dichloroethane	ug/L	10		U	U	1.0
MW-41	1,1-Dichloroethene	ug/L	10		U	U	1.0
MW-41	1,2-Dichloroethane	ug/L	10		U	U	1.0
MW-41	1,2-Dichloroethene (total)	ug/L	10		U		1.0
MW-41	1,2-Dichloropropane	ug/L	10		U	U	1.0
MW-41	2-Butanone	ug/L	10		U	R	5.0
MW-41	2-Hexanone	ug/L	10		U	U	5.0
MW-41	4-Methyl-2-pentanone	ug/L	10		U	U	5.0
MW-41	Acetone	ug/L	10		U	R	5.0
MW-41	Benzene	ug/L	10		U	U	1.0
MW-41	Bromodichloromethane	ug/L	10		U	U	1.0
MW-41	Bromoform	ug/L	10		U	U	1.0
MW-41	Bromomethane	ug/L	10		U	U	1.0
MW-41	Carbon disulfide	ug/L	10		U	U	1.0
MW-41	Carbon Tetrachloride	ug/L	10		U	U	1.0
MW-41	Chlorobenzene	ug/L	10		U	U	1.0
MW-41	Chloroethane	ug/L	10		U	U	1.0
MW-41	Chloroform	ug/L	10		U	U	1.0
MW-41	Chloromethane	ug/L	10		U	U	1.0
MW-41	cis-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-41	Dibromochloromethane	ug/L	10		U	U	1.0
MW-41	Ethyl Benzene	ug/L	10		U	U	1.0
MW-41	Methylene chloride	ug/L	10		U	U	2.0
MW-41	Styrene	ug/L	10		U	U	1.0
MW-41	Tetrachloroethene	ug/L	10		U	U	1.0
MW-41	Toluene	ug/L	10		J	U	1.0
MW-41	trans-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-41	Trichloroethene	ug/L	10		U	U	1.0
MW-41	Vinyl chloride	ug/L	10		U	U	1.0
MW-41	Xylenes (total)	ug/L	10		U	U	5.0
MW-42	1,1,1-Trichloroethane	ug/L	10		U	U	1.0
MW-42	1,1,2,2-Tetrachloroethane	ug/L	10		U	U	1.0
MW-42	1,1,2-Trichloroethane	ug/L	10		U	U	1.0
MW-42	1,1-Dichloroethane	ug/L	10		U	U	1.0
MW-42	1,1-Dichloroethene	ug/L	10		U	U	1.0
MW-42	1,2-Dichloroethane	ug/L	10		U	U	1.0
MW-42	1,2-Dichloroethene (total)	ug/L	10		U		1.0
MW-42	1,2-Dichloropropane	ug/L	10		U	U	1.0
MW-42	2-Butanone	ug/L	10		U	R	5.0
MW-42	2-Hexanone	ug/L	10		U	U	5.0
MW-42	4-Methyl-2-pentanone	ug/L	10		U	U	5.0
MW-42	Acetone	ug/L	10		U	R	5.0
MW-42	Benzene	ug/L	10		U	U	1.0
MW-42	Bromodichloromethane	ug/L	10		U	U	1.0
MW-42	Bromoform	ug/L	10		U	U	1.0
MW-42	Bromomethane	ug/L	10		U	U	1.0
MW-42	Carbon disulfide	ug/L	10		U	U	1.0
MW-42	Carbon Tetrachloride	ug/L	10		U	U	1.0
MW-42	Chlorobenzene	ug/L	10		U	U	1.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-42	Chloroethane	ug/L	10	0.90	J	J	1.0
MW-42	Chloroform	ug/L	10		U	U	1.0
MW-42	Chloromethane	ug/L	10		U	U	1.0
MW-42	cis-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-42	Dibromochloromethane	ug/L	10		U	U	1.0
MW-42	Ethyl Benzene	ug/L	10		U	U	1.0
MW-42	Methylene chloride	ug/L	10		J	U	2.0
MW-42	Styrene	ug/L	10		U	U	1.0
MW-42	Tetrachloroethene	ug/L	10		U	U	1.0
MW-42	Toluene	ug/L	10		U	U	1.0
MW-42	trans-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-42	Trichloroethene	ug/L	10		U	U	1.0
MW-42	Vinyl chloride	ug/L	10		U	U	1.0
MW-42	Xylenes (total)	ug/L	10		U	U	5.0
MW-43	1,1,1-Trichloroethane	ug/L	10		U	U	1.0
MW-43	1,1,2,2-Tetrachloroethane	ug/L	10		U	U	1.0
MW-43	1,1,2-Trichloroethane	ug/L	10		U	U	1.0
MW-43	1,1-Dichloroethane	ug/L	10		U	U	1.0
MW-43	1,1-Dichloroethene	ug/L	10		U	U	1.0
MW-43	1,2-Dichloroethane	ug/L	10		U	U	1.0
MW-43	1,2-Dichloroethene (total)	ug/L	10		U		1.0
MW-43	1,2-Dichloropropane	ug/L	10		U	U	1.0
MW-43	2-Butanone	ug/L	10		U	R	5.0
MW-43	2-Hexanone	ug/L	10		U	U	5.0
MW-43	4-Methyl-2-pentanone	ug/L	10		U	U	5.0
MW-43	Acetone	ug/L	10		U	R	5.0
MW-43	Benzene	ug/L	10		U	U	1.0
MW-43	Bromodichloromethane	ug/L	10		U	U	1.0
MW-43	Bromoform	ug/L	10		U	U	1.0
MW-43	Bromomethane	ug/L	10		U	U	1.0
MW-43	Carbon disulfide	ug/L	10		U	U	1.0
MW-43	Carbon Tetrachloride	ug/L	10		U	U	1.0
MW-43	Chlorobenzene	ug/L	10		U	U	1.0
MW-43	Chloroethane	ug/L	10		U	U	1.0
MW-43	Chloroform	ug/L	10		U	U	1.0
MW-43	Chloromethane	ug/L	10		U	U	1.0
MW-43	cis-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-43	Dibromochloromethane	ug/L	10		U	U	1.0
MW-43	Ethyl Benzene	ug/L	10		U	U	1.0
MW-43	Methylene chloride	ug/L	10		J	U	2.0
MW-43	Styrene	ug/L	10		U	U	1.0
MW-43	Tetrachloroethene	ug/L	10		U	U	1.0
MW-43	Toluene	ug/L	10		J	U	1.0
MW-43	trans-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-43	Trichloroethene	ug/L	10		U	U	1.0
MW-43	Vinyl chloride	ug/L	10		U	U	1.0
MW-43	Xylenes (total)	ug/L	10		U	U	5.0
MW-44	1,1,1-Trichloroethane	ug/L	10		U	U	1.0
MW-44	1,1,2,2-Tetrachloroethane	ug/L	10		U	U	1.0

BOLD = Exceedance

NA = Not Available

Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-44	1,1,2-Trichloroethane	ug/L	10		U	U	1.0
MW-44	1,1-Dichloroethane	ug/L	10		U	U	1.0
MW-44	1,1-Dichloroethene	ug/L	10		U	U	1.0
MW-44	1,2-Dichloroethane	ug/L	10		U	U	1.0
MW-44	1,2-Dichloroethene (total)	ug/L	10		U		1.0
MW-44	1,2-Dichloropropane	ug/L	10		U	U	1.0
MW-44	2-Butanone	ug/L	10		U	R	5.0
MW-44	2-Hexanone	ug/L	10		U	U	5.0
MW-44	4-Methyl-2-pentanone	ug/L	10		U	U	5.0
MW-44	Acetone	ug/L	10		U	R	5.0
MW-44	Benzene	ug/L	10		U	U	1.0
MW-44	Bromodichloromethane	ug/L	10		U	U	1.0
MW-44	Bromoform	ug/L	10		U	U	1.0
MW-44	Bromomethane	ug/L	10		U	U	1.0
MW-44	Carbon disulfide	ug/L	10		U	U	1.0
MW-44	Carbon Tetrachloride	ug/L	10		U	U	1.0
MW-44	Chlorobenzene	ug/L	10		U	U	1.0
MW-44	Chloroethane	ug/L	10		U	U	1.0
MW-44	Chloroform	ug/L	10		U	U	1.0
MW-44	Chloromethane	ug/L	10		U	U	1.0
MW-44	cis-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-44	Dibromochloromethane	ug/L	10		U	U	1.0
MW-44	Ethyl Benzene	ug/L	10		U	U	1.0
MW-44	Methylene chloride	ug/L	10		U	U	2.0
MW-44	Styrene	ug/L	10		U	U	1.0
MW-44	Tetrachloroethene	ug/L	10		U	U	1.0
MW-44	Toluene	ug/L	10		U	U	1.0
MW-44	trans-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-44	Trichloroethene	ug/L	10		U	U	1.0
MW-44	Vinyl chloride	ug/L	10		U	U	1.0
MW-44	Xylenes (total)	ug/L	10		U	U	5.0
MW-45	1,1,1-Trichloroethane	ug/L	80		U	U	50
MW-45	1,1,2,2-Tetrachloroethane	ug/L	80		U	U	50
MW-45	1,1,2-Trichloroethane	ug/L	80		U	U	50
MW-45	1,1-Dichloroethane	ug/L	80		U	U	50
MW-45	1,1-Dichloroethene	ug/L	80		U	U	50
MW-45	1,2-Dichloroethane	ug/L	80		U	U	50
MW-45	1,2-Dichloroethene (total)	ug/L	80		U		50
MW-45	1,2-Dichloropropane	ug/L	80		U	U	50
MW-45	2-Butanone	ug/L	120		U	R	250
MW-45	2-Hexanone	ug/L	120		U	U	250
MW-45	4-Methyl-2-pentanone	ug/L	120		U	U	250
MW-45	Acetone	ug/L	170		U	R	250
MW-45	Benzene	ug/L	1,045	670			50
MW-45	Bromodichloromethane	ug/L	80		U	U	50
MW-45	Bromoform	ug/L	80		U	U	50
MW-45	Bromomethane	ug/L	80		U	U	50
MW-45	Carbon disulfide	ug/L	80		U	U	50
MW-45	Carbon Tetrachloride	ug/L	80		U	U	50

BOLD = Exceedance
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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-45	Chlorobenzene	ug/L	80	23	J	J	50
MW-45	Chloroethane	ug/L	215	130		J	50
MW-45	Chloroform	ug/L	80		U	U	50
MW-45	Chloromethane	ug/L	80		U	U	50
MW-45	cis-1,3-Dichloropropene	ug/L	80		U	U	50
MW-45	Dibromochloromethane	ug/L	80		U	U	50
MW-45	Ethyl Benzene	ug/L	80		U	U	50
MW-45	Methylene chloride	ug/L	80		U	U	100
MW-45	Styrene	ug/L	80		U	U	50
MW-45	Tetrachloroethene	ug/L	80		U	U	50
MW-45	Toluene	ug/L	80		U	U	50
MW-45	trans-1,3-Dichloropropene	ug/L	80		U	U	50
MW-45	Trichloroethene	ug/L	80		U	U	50
MW-45	Vinyl chloride	ug/L	80		U	U	50
MW-45	Xylenes (total)	ug/L	280	18	J	J	250
MW-46	1,1,1-Trichloroethane	ug/L	10		U	U	1.0
MW-46	1,1,2,2-Tetrachloroethane	ug/L	10		U	U	1.0
MW-46	1,1,2-Trichloroethane	ug/L	10		U	U	1.0
MW-46	1,1-Dichloroethane	ug/L	10		U	U	1.0
MW-46	1,1-Dichloroethene	ug/L	10		U	U	1.0
MW-46	1,2-Dichloroethane	ug/L	10		U	U	1.0
MW-46	1,2-Dichloroethene (total)	ug/L	10	0.30	J	J	1.0
MW-46	1,2-Dichloropropane	ug/L	10		U	U	1.0
MW-46	2-Butanone	ug/L	10		U	R	5.0
MW-46	2-Hexanone	ug/L	10		U	U	5.0
MW-46	4-Methyl-2-pentanone	ug/L	10		U	U	5.0
MW-46	Acetone	ug/L	10		U	R	5.0
MW-46	Benzene	ug/L	10			U	1.0
MW-46	Bromodichloromethane	ug/L	10		U	U	1.0
MW-46	Bromoform	ug/L	10		U	U	1.0
MW-46	Bromomethane	ug/L	10		U	U	1.0
MW-46	Carbon disulfide	ug/L	10		U	U	1.0
MW-46	Carbon Tetrachloride	ug/L	10		U	U	1.0
MW-46	Chlorobenzene	ug/L	10		U	U	1.0
MW-46	Chloroethane	ug/L	10		U	U	1.0
MW-46	Chloroform	ug/L	10		U	U	1.0
MW-46	Chloromethane	ug/L	10		U	U	1.0
MW-46	cis-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-46	Dibromochloromethane	ug/L	10		U	U	1.0
MW-46	Ethyl Benzene	ug/L	10		U	U	1.0
MW-46	Methylene chloride	ug/L	10		U	U	2.0
MW-46	Styrene	ug/L	10		U	U	1.0
MW-46	Tetrachloroethene	ug/L	10		U	U	1.0
MW-46	Toluene	ug/L	10		U	U	1.0
MW-46	trans-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-46	Trichloroethene	ug/L	10		U	U	1.0
MW-46	Vinyl chloride	ug/L	10	0.20	J	J	1.0
MW-46	Xylenes (total)	ug/L	10		U	U	5.0
MW-47	1,1,1-Trichloroethane	ug/L	10			U	1.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-47	1,1,2,2-Tetrachloroethane	ug/L	10			U	1.0
MW-47	1,1,2-Trichloroethane	ug/L	10			U	1.0
MW-47	1,1-Dichloroethane	ug/L	10			U	1.0
MW-47	1,1-Dichloroethene	ug/L	10			U	1.0
MW-47	1,2-Dichloroethane	ug/L	10			U	1.0
MW-47	1,2-Dichloroethene (total)	ug/L	10		U		1.0
MW-47	1,2-Dichloropropane	ug/L	10			U	1.0
MW-47	2-Butanone	ug/L	10			R	NA
MW-47	2-Hexanone	ug/L	10			U	5.0
MW-47	4-Methyl-2-pentanone	ug/L	10			U	5.0
MW-47	Acetone	ug/L	10			R	NA
MW-47	Benzene	ug/L	10			U	1.0
MW-47	Bromodichloromethane	ug/L	10			U	1.0
MW-47	Bromoform	ug/L	10			U	1.0
MW-47	Bromomethane	ug/L	10			U	1.0
MW-47	Carbon disulfide	ug/L	10			U	1.0
MW-47	Carbon Tetrachloride	ug/L	10			U	1.0
MW-47	Chlorobenzene	ug/L	10			U	1.0
MW-47	Chloroethane	ug/L	10			U	1.0
MW-47	Chloroform	ug/L	10			U	1.0
MW-47	Chloromethane	ug/L	10			U	1.0
MW-47	cis-1,3-Dichloropropene	ug/L	10			U	1.0
MW-47	Dibromochloromethane	ug/L	10			U	1.0
MW-47	Ethyl Benzene	ug/L	10			U	1.0
MW-47	Methylene chloride	ug/L	10			U	2.0
MW-47	Styrene	ug/L	10			U	1.0
MW-47	Tetrachloroethene	ug/L	10			U	1.0
MW-47	Toluene	ug/L	10			U	1.0
MW-47	trans-1,3-Dichloropropene	ug/L	10			U	1.0
MW-47	Trichloroethene	ug/L	10			U	1.0
MW-47	Vinyl chloride	ug/L	10			U	1.0
MW-47	Xylenes (total)	ug/L	10			U	5.0
MW-48	1,1,1-Trichloroethane	ug/L	500		U	U	250
MW-48	1,1,2,2-Tetrachloroethane	ug/L	500		U	U	250
MW-48	1,1,2-Trichloroethane	ug/L	500		U	U	250
MW-48	1,1-Dichloroethane	ug/L	500		U	U	250
MW-48	1,1-Dichloroethene	ug/L	500		U	U	250
MW-48	1,2-Dichloroethane	ug/L	500		U	U	250
MW-48	1,2-Dichloroethene (total)	ug/L	500		U		250
MW-48	1,2-Dichloropropane	ug/L	500		U	U	250
MW-48	2-Butanone	ug/L	2,500		U	R	1,200
MW-48	2-Hexanone	ug/L	2,500		U	U	1,200
MW-48	4-Methyl-2-pentanone	ug/L	2,500		U	U	1,200
MW-48	Acetone	ug/L	2,500		U	R	1,200
MW-48	Benzene	ug/L	9,500	3,800			250
MW-48	Bromodichloromethane	ug/L	500		J	U	250
MW-48	Bromoform	ug/L	500		U	U	250
MW-48	Bromomethane	ug/L	500		U	U	250
MW-48	Carbon disulfide	ug/L	500		U	U	250

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-48	Carbon Tetrachloride	ug/L	500		U	U	250
MW-48	Chlorobenzene	ug/L	500		U	U	250
MW-48	Chloroethane	ug/L	1,000	300			250
MW-48	Chloroform	ug/L	500			U	300
MW-48	Chloromethane	ug/L	500	38	J	J	250
MW-48	cis-1,3-Dichloropropene	ug/L	500		U	U	250
MW-48	Dibromochloromethane	ug/L	500		U	U	250
MW-48	Ethyl Benzene	ug/L	500		U	U	250
MW-48	Methylene chloride	ug/L	500		U	U	500
MW-48	Styrene	ug/L	500		U	U	250
MW-48	Tetrachloroethene	ug/L	500		U	U	250
MW-48	Toluene	ug/L	500		U	U	250
MW-48	trans-1,3-Dichloropropene	ug/L	500		U	U	250
MW-48	Trichloroethene	ug/L	500		U	U	250
MW-48	Vinyl chloride	ug/L	500		U	U	250
MW-48	Xylenes (total)	ug/L	500		U	U	1,200
MW-49	1,1,1-Trichloroethane	ug/L	500		U	U	200
MW-49	1,1,2,2-Tetrachloroethane	ug/L	500		U	U	200
MW-49	1,1,2-Trichloroethane	ug/L	500		U	U	200
MW-49	1,1-Dichloroethane	ug/L	500		U	U	200
MW-49	1,1-Dichloroethene	ug/L	500		U	U	200
MW-49	1,2-Dichloroethane	ug/L	500		U	U	200
MW-49	1,2-Dichloroethene (total)	ug/L	500		U		200
MW-49	1,2-Dichloropropane	ug/L	500		U	U	200
MW-49	2-Butanone	ug/L	2,500		U	R	1,000
MW-49	2-Hexanone	ug/L	2,500		U	U	1,000
MW-49	4-Methyl-2-pentanone	ug/L	2,500		U	U	1,000
MW-49	Acetone	ug/L	2,500		U	R	1,000
MW-49	Benzene	ug/L	6,750	3,300			200
MW-49	Bromodichloromethane	ug/L	500		U	U	200
MW-49	Bromoform	ug/L	500		U	U	200
MW-49	Bromomethane	ug/L	500		U	U	200
MW-49	Carbon disulfide	ug/L	500		U	U	200
MW-49	Carbon Tetrachloride	ug/L	500		U	U	200
MW-49	Chlorobenzene	ug/L	500		U	U	200
MW-49	Chloroethane	ug/L	715	250		J	200
MW-49	Chloroform	ug/L	500		U	U	200
MW-49	Chloromethane	ug/L	500		U	U	200
MW-49	cis-1,3-Dichloropropene	ug/L	500		U	U	200
MW-49	Dibromochloromethane	ug/L	500		U	U	200
MW-49	Ethyl Benzene	ug/L	500		U	U	200
MW-49	Methylene chloride	ug/L	450		U	U	400
MW-49	Styrene	ug/L	500		U	U	200
MW-49	Tetrachloroethene	ug/L	500		U	U	200
MW-49	Toluene	ug/L	500		U	U	200
MW-49	trans-1,3-Dichloropropene	ug/L	500		U	U	200
MW-49	Trichloroethene	ug/L	500		U	U	200
MW-49	Vinyl chloride	ug/L	500		U	U	200
MW-49	Xylenes (total)	ug/L	500		U	U	1,000

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-50	1,1,1-Trichloroethane	ug/L	10		U		1.0
MW-50	1,1,2,2-Tetrachloroethane	ug/L	10		U		1.0
MW-50	1,1,2-Trichloroethane	ug/L	10		U		1.0
MW-50	1,1-Dichloroethane	ug/L	10		U		1.0
MW-50	1,1-Dichloroethene	ug/L	10		U		1.0
MW-50	1,2-Dichlorobenzene	ug/L	60		U		1.0
MW-50	1,2-Dichloroethane	ug/L	10		U		1.0
MW-50	1,2-Dichloroethene (total)	ug/L	10		U		1.0
MW-50	1,2-Dichloropropane	ug/L	10		U		1.0
MW-50	2-Butanone	ug/L	10		U		5.0
MW-50	2-Hexanone	ug/L	10		U		5.0
MW-50	4-Methyl-2-pentanone	ug/L	10		U		5.0
MW-50	Acetone	ug/L	10		U		5.0
MW-50	Benzene	ug/L	10		U		1.0
MW-50	Bromodichloromethane	ug/L	10		U		1.0
MW-50	Bromoform	ug/L	10		U		1.0
MW-50	Bromomethane	ug/L	10		U		1.0
MW-50	Carbon disulfide	ug/L	10	0.20	J		NA
MW-50	Carbon Tetrachloride	ug/L	10		U		1.0
MW-50	Chlorobenzene	ug/L	10		U		1.0
MW-50	Chloroethane	ug/L	10		U		1.0
MW-50	Chloroform	ug/L	10		U		1.0
MW-50	Chloromethane	ug/L	10		U		1.0
MW-50	cis-1,3-Dichloropropene	ug/L	10		U		1.0
MW-50	Dibromochloromethane	ug/L	10		U		1.0
MW-50	Ethyl Benzene	ug/L	10		U		1.0
MW-50	Methylene chloride	ug/L	10		JB	U	2.0
MW-50	Styrene	ug/L	10		U		1.0
MW-50	Tetrachloroethene	ug/L	10		U		1.0
MW-50	Toluene	ug/L	10	0.40	J		NA
MW-50	trans-1,3-Dichloropropene	ug/L	10		U		1.0
MW-50	Trichloroethene	ug/L	10		U		1.0
MW-50	Vinyl chloride	ug/L	10		U		1.0
MW-50	Xylenes (total)	ug/L	10		U		5.0
MW-51	1,1,1-Trichloroethane	ug/L	100		U	U	100
MW-51	1,1,2,2-Tetrachloroethane	ug/L	100		U	U	100
MW-51	1,1,2-Trichloroethane	ug/L	100		U	U	100
MW-51	1,1-Dichloroethane	ug/L	100		U	U	100
MW-51	1,1-Dichloroethene	ug/L	100		U	U	100
MW-51	1,2-Dichloroethane	ug/L	100		U	U	100
MW-51	1,2-Dichloroethene (total)	ug/L	100		U		100
MW-51	1,2-Dichloropropane	ug/L	100		U	U	100
MW-51	2-Butanone	ug/L	100		U	R	500
MW-51	2-Hexanone	ug/L	100		U	U	500
MW-51	4-Methyl-2-pentanone	ug/L	100		U	U	500
MW-51	Acetone	ug/L	100		U	R	500
MW-51	Benzene	ug/L	100		U	U	100
MW-51	Bromodichloromethane	ug/L	100		U	U	100
MW-51	Bromoform	ug/L	100		U	U	100

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-51	Bromomethane	ug/L	100		U	UJ	100
MW-51	Carbon disulfide	ug/L	100		U	U	100
MW-51	Carbon Tetrachloride	ug/L	100		U	U	100
MW-51	Chlorobenzene	ug/L	100		U	U	100
MW-51	Chloroethane	ug/L	100		U	U	100
MW-51	Chloroform	ug/L	100		U	U	100
MW-51	Chloromethane	ug/L	100		U	U	100
MW-51	cis-1,3-Dichloropropene	ug/L	100		U	U	100
MW-51	Dibromochloromethane	ug/L	100		U	U	100
MW-51	Ethyl Benzene	ug/L	100		U	U	100
MW-51	Methylene chloride	ug/L	100		JB	UJ	200
MW-51	Styrene	ug/L	100		U	U	100
MW-51	Tetrachloroethene	ug/L	100		U	U	100
MW-51	Toluene	ug/L	100		U	U	100
MW-51	trans-1,3-Dichloropropene	ug/L	100		U	U	100
MW-51	Trichloroethene	ug/L	100		U	U	100
MW-51	Vinyl chloride	ug/L	100		U	U	100
MW-51	Xylenes (total)	ug/L	100		U	U	500
MW-52	1,1,1-Trichloroethane	ug/L	100		U	U	100
MW-52	1,1,2,2-Tetrachloroethane	ug/L	100		U	U	100
MW-52	1,1,2-Trichloroethane	ug/L	100		U	U	100
MW-52	1,1-Dichloroethane	ug/L	100		U	U	100
MW-52	1,1-Dichloroethene	ug/L	100		U	U	100
MW-52	1,2-Dichloroethane	ug/L	100		U	U	100
MW-52	1,2-Dichloroethene (total)	ug/L	100		U		100
MW-52	1,2-Dichloropropane	ug/L	100		U	U	100
MW-52	2-Butanone	ug/L	100		U	R	500
MW-52	2-Hexanone	ug/L	100		U	U	500
MW-52	4-Methyl-2-pentanone	ug/L	100		U	U	500
MW-52	Acetone	ug/L	100		U	R	500
MW-52	Benzene	ug/L	100		U	U	100
MW-52	Bromodichloromethane	ug/L	100		U	U	100
MW-52	Bromoform	ug/L	100		U	U	100
MW-52	Bromomethane	ug/L	100		U	U	100
MW-52	Carbon disulfide	ug/L	100		U	U	100
MW-52	Carbon Tetrachloride	ug/L	100		U	U	100
MW-52	Chlorobenzene	ug/L	100		U	U	100
MW-52	Chloroethane	ug/L	100		U	U	100
MW-52	Chloroform	ug/L	100		U	U	100
MW-52	Chloromethane	ug/L	100		U	U	100
MW-52	cis-1,3-Dichloropropene	ug/L	100		U	U	100
MW-52	Dibromochloromethane	ug/L	100		U	U	100
MW-52	Ethyl Benzene	ug/L	100		U	U	100
MW-52	Methylene chloride	ug/L	100		JB	UJ	200
MW-52	Styrene	ug/L	100		U	U	100
MW-52	Tetrachloroethene	ug/L	100		U	U	100
MW-52	Toluene	ug/L	100		U	U	100
MW-52	trans-1,3-Dichloropropene	ug/L	100		U	U	100
MW-52	Trichloroethene	ug/L	100		U	U	100

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NA = Not Available

Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-52	Vinyl chloride	ug/L	100		U	U	100
MW-52	Xylenes (total)	ug/L	100		U	U	500
MW-53	1,1,1-Trichloroethane	ug/L	10		U	U	1.0
MW-53	1,1,2,2-Tetrachloroethane	ug/L	10		U	U	1.0
MW-53	1,1,2-Trichloroethane	ug/L	10		U	U	1.0
MW-53	1,1-Dichloroethane	ug/L	10		U	U	1.0
MW-53	1,1-Dichloroethene	ug/L	10		U	U	1.0
MW-53	1,2-Dichloroethane	ug/L	10		U	U	1.0
MW-53	1,2-Dichloroethene (total)	ug/L	10		U		1.0
MW-53	1,2-Dichloropropane	ug/L	10		U	U	1.0
MW-53	2-Butanone	ug/L	10		U	R	5.0
MW-53	2-Hexanone	ug/L	10		U	U	5.0
MW-53	4-Methyl-2-pentanone	ug/L	10	6.0			5.0
MW-53	Acetone	ug/L	16			R	5.0
MW-53	Benzene	ug/L	10			UJ	2.0
MW-53	Bromodichloromethane	ug/L	10		U	U	1.0
MW-53	Bromoform	ug/L	10		U	U	1.0
MW-53	Bromomethane	ug/L	10		U	UJ	1.0
MW-53	Carbon disulfide	ug/L	10		U	U	1.0
MW-53	Carbon Tetrachloride	ug/L	10		U	U	1.0
MW-53	Chlorobenzene	ug/L	10		U	U	1.0
MW-53	Chloroethane	ug/L	10		U	U	1.0
MW-53	Chloroform	ug/L	10		U	U	1.0
MW-53	Chloromethane	ug/L	10		U	U	1.0
MW-53	cis-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-53	Dibromochloromethane	ug/L	10		U	U	1.0
MW-53	Ethyl Benzene	ug/L	10	0.10	J		1.0
MW-53	Methylene chloride	ug/L	10		U	U	2.0
MW-53	Styrene	ug/L	10		U	U	1.0
MW-53	Tetrachloroethene	ug/L	10		U	U	1.0
MW-53	Toluene	ug/L	10		J	UJ	1.0
MW-53	trans-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-53	Trichloroethene	ug/L	10		U	U	1.0
MW-53	Vinyl chloride	ug/L	10		U	U	1.0
MW-53	Xylenes (total)	ug/L	10	0.20	J		5.0
MW-54	1,1,1-Trichloroethane	ug/L	10		U	U	1.0
MW-54	1,1,2,2-Tetrachloroethane	ug/L	10		U	U	1.0
MW-54	1,1,2-Trichloroethane	ug/L	10		U	U	1.0
MW-54	1,1-Dichloroethane	ug/L	10		U	U	1.0
MW-54	1,1-Dichloroethene	ug/L	10		U	U	1.0
MW-54	1,2-Dichloroethane	ug/L	10		U	U	1.0
MW-54	1,2-Dichloroethene (total)	ug/L	10		U		1.0
MW-54	1,2-Dichloropropane	ug/L	10		U	U	1.0
MW-54	2-Butanone	ug/L	10		U	R	5.0
MW-54	2-Hexanone	ug/L	10		U	U	5.0
MW-54	4-Methyl-2-pentanone	ug/L	10		U	U	5.0
MW-54	Acetone	ug/L	10		J	R	5.0
MW-54	Benzene	ug/L	10	0.10	J		1.0
MW-54	Bromodichloromethane	ug/L	10		U	U	1.0

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NA = Not Available

Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-54	Bromoform	ug/L	10		U	U	1.0
MW-54	Bromomethane	ug/L	10		U	U	1.0
MW-54	Carbon disulfide	ug/L	10		U	U	1.0
MW-54	Carbon Tetrachloride	ug/L	10		U	U	1.0
MW-54	Chlorobenzene	ug/L	10		U	U	1.0
MW-54	Chloroethane	ug/L	10	0.20	J	J	1.0
MW-54	Chloroform	ug/L	10		U	U	1.0
MW-54	Chloromethane	ug/L	10		U	U	1.0
MW-54	cis-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-54	Dibromochloromethane	ug/L	10		U	U	1.0
MW-54	Ethyl Benzene	ug/L	10		U	U	1.0
MW-54	Methylene chloride	ug/L	10		U	U	2.0
MW-54	Styrene	ug/L	10		U	U	1.0
MW-54	Tetrachloroethene	ug/L	10		U	U	1.0
MW-54	Toluene	ug/L	10		J	U	1.0
MW-54	trans-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-54	Trichloroethene	ug/L	10		U	U	1.0
MW-54	Vinyl chloride	ug/L	10		U	U	1.0
MW-54	Xylenes (total)	ug/L	10		U	U	5.0
MW-55	1,1,1-Trichloroethane	ug/L	10		U	U	1.0
MW-55	1,1,2,2-Tetrachloroethane	ug/L	10		U	U	1.0
MW-55	1,1,2-Trichloroethane	ug/L	10		U	U	1.0
MW-55	1,1-Dichloroethane	ug/L	10		U	U	1.0
MW-55	1,1-Dichloroethene	ug/L	10		U	U	1.0
MW-55	1,2-Dichloroethane	ug/L	10		U	U	1.0
MW-55	1,2-Dichloroethene (total)	ug/L	10		U		1.0
MW-55	1,2-Dichloropropane	ug/L	10		U	U	1.0
MW-55	2-Butanone	ug/L	10		U	R	5.0
MW-55	2-Hexanone	ug/L	10		U	U	5.0
MW-55	4-Methyl-2-pentanone	ug/L	10		U	U	5.0
MW-55	Acetone	ug/L	10		J	R	5.0
MW-55	Benzene	ug/L	10		U	U	1.0
MW-55	Bromodichloromethane	ug/L	10		U	U	1.0
MW-55	Bromoform	ug/L	10		U	U	1.0
MW-55	Bromomethane	ug/L	10		U	U	1.0
MW-55	Carbon disulfide	ug/L	10		U	U	1.0
MW-55	Carbon Tetrachloride	ug/L	10		U	U	1.0
MW-55	Chlorobenzene	ug/L	10		U	U	1.0
MW-55	Chloroethane	ug/L	10		U	UJ	1.0
MW-55	Chloroform	ug/L	10		U	U	1.0
MW-55	Chloromethane	ug/L	10		U	U	1.0
MW-55	cis-1,3-Dichloropropene	ug/L	10		U	U	1.0
MW-55	Dibromochloromethane	ug/L	10		U	U	1.0
MW-55	Ethyl Benzene	ug/L	10		U	U	1.0
MW-55	Methylene chloride	ug/L	10		U	U	2.0
MW-55	Styrene	ug/L	10		U	U	1.0
MW-55	Tetrachloroethene	ug/L	10		U	U	1.0
MW-55	Toluene	ug/L	10			UJ	1.0
MW-55	trans-1,3-Dichloropropene	ug/L	10		U	U	1.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-55	Trichloroethene	ug/L	10		U	U	1.0
MW-55	Vinyl chloride	ug/L	10		U	U	1.0
MW-55	Xylenes (total)	ug/L	10		U	U	5.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
M-1S	1,2,4-Trichlorobenzene	ug/L	10		U	U	5.0
M-1S	1,2-Dichlorobenzene	ug/L	10		U	U	1.0
M-1S	1,3-Dichlorobenzene	ug/L	10		U	U	1.0
M-1S	1,4-Dichlorobenzene	ug/L	10		U	U	1.0
M-1S	2,2'-oxybis(1-Chloropropane)	ug/L	10		U	U	5.0
M-1S	2,4,5-Trichlorophenol	ug/L	25		U	U	20
M-1S	2,4,6-Trichlorophenol	ug/L	10		U	U	5.0
M-1S	2,4-Dichlorophenol	ug/L	10		U	U	5.0
M-1S	2,4-Dimethylphenol	ug/L	10		U	U	5.0
M-1S	2,4-Dinitrophenol	ug/L	25		U	U	20
M-1S	2,4-Dinitrotoluene	ug/L	10		U	U	5.0
M-1S	2,6-Dinitrotoluene	ug/L	10		U	U	5.0
M-1S	2-Chloronaphthalene	ug/L	10		U	U	5.0
M-1S	2-Chlorophenol	ug/L	10		U	U	5.0
M-1S	2-Methylnaphthalene	ug/L	10		U	U	5.0
M-1S	2-Methylphenol	ug/L	10		U	U	5.0
M-1S	2-Nitroaniline	ug/L	25		U	U	20
M-1S	2-Nitrophenol	ug/L	10		U	U	5.0
M-1S	3,3'-Dichlorobenzidine	ug/L	10		U	U	5.0
M-1S	3-Nitroaniline	ug/L	25		U	U	20
M-1S	4,6-Dinitro-2-methylphenol	ug/L	25		U	U	20
M-1S	4-Bromophenyl-phenylether	ug/L	10		U	U	5.0
M-1S	4-Chloro-3-methylphenol	ug/L	10		U	U	5.0
M-1S	4-Chloroaniline	ug/L	10		U	U	5.0
M-1S	4-Chlorophenyl-phenyl ether	ug/L	10		U	U	5.0
M-1S	4-Methylphenol	ug/L	10		U	U	5.0
M-1S	4-Nitroaniline	ug/L	25		U	U	20
M-1S	4-Nitrophenol	ug/L	25		U	U	20
M-1S	Acenaphthene	ug/L	10		U	U	5.0
M-1S	Acenaphthylene	ug/L	10		U	U	5.0
M-1S	Anthracene	ug/L	10		U	U	5.0
M-1S	Benzo(a)anthracene	ug/L	10		U	U	5.0
M-1S	Benzo(a)pyrene	ug/L	10		U	U	5.0
M-1S	Benzo(b)fluoranthene	ug/L	10		U	U	5.0
M-1S	Benzo(g,h,i)perylene	ug/L	10		U	U	5.0
M-1S	Benzo(k)fluoranthene	ug/L	10		U	U	5.0
M-1S	bis(2-Chloroethoxy)methane	ug/L	10		U	U	5.0
M-1S	bis(2-Chloroethyl) ether	ug/L	60		U	U	5.0
M-1S	bis(2-Ethylhexyl)phthalate	ug/L	10		U	U	5.0
M-1S	Butylbenzylphthalate	ug/L	10		U	U	5.0
M-1S	Carbazole	ug/L	10		U	U	5.0
M-1S	Chrysene	ug/L	10		U	U	5.0
M-1S	Di-n-butylphthalate	ug/L	10		U	U	5.0
M-1S	Di-n-octylphthalate	ug/L	10		U	U	5.0
M-1S	Dibenzo(a,h)anthracene	ug/L	10		U	U	5.0
M-1S	Dibenzofuran	ug/L	10		U	U	5.0
M-1S	Diethylphthalate	ug/L	10		U	U	5.0
M-1S	Dimethylphthalate	ug/L	10		U	U	5.0
M-1S	Fluoranthene	ug/L	10		U	U	5.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
M-1S	Fluorene	ug/L	10		U	U	5.0
M-1S	Hexachlorobenzene	ug/L	10		U	U	5.0
M-1S	Hexachlorobutadiene	ug/L	10		U	U	5.0
M-1S	Hexachlorocyclopentadiene	ug/L	10		U	UJ	5.0
M-1S	Hexachloroethane	ug/L	10		U	U	5.0
M-1S	Indeno(1,2,3-cd)pyrene	ug/L	10		U	U	5.0
M-1S	Isophorone	ug/L	10		U	U	5.0
M-1S	N-Nitroso-di-n-propylamine	ug/L	10		U	U	5.0
M-1S	N-Nitrosodiphenylamine	ug/L	10		U	U	5.0
M-1S	Naphthalene	ug/L	10		U	U	5.0
M-1S	Nitrobenzene	ug/L	10		U	U	5.0
M-1S	Pentachlorophenol	ug/L	25		U	U	20
M-1S	Phenanthrene	ug/L	10		U	U	5.0
M-1S	Phenol	ug/L	34	24			5.0
M-1S	Pyrene	ug/L	10		U	U	5.0
M-3S	1,2,4-Trichlorobenzene	ug/L	10			U	5.0
M-3S	1,2-Dichlorobenzene	ug/L	10			U	1.0
M-3S	1,3-Dichlorobenzene	ug/L	10			U	1.0
M-3S	1,4-Dichlorobenzene	ug/L	10			U	1.0
M-3S	2,2'-oxybis(1-Chloropropane)	ug/L	10	6.5			NA
M-3S	2,4,5-Trichlorophenol	ug/L	25			U	20
M-3S	2,4,6-Trichlorophenol	ug/L	10			U	5.0
M-3S	2,4-Dichlorophenol	ug/L	10			U	5.0
M-3S	2,4-Dimethylphenol	ug/L	10			U	5.0
M-3S	2,4-Dinitrophenol	ug/L	25			U	20
M-3S	2,4-Dinitrotoluene	ug/L	10			U	5.0
M-3S	2,6-Dinitrotoluene	ug/L	10			U	5.0
M-3S	2-Chloronaphthalene	ug/L	10			U	5.0
M-3S	2-Chlorophenol	ug/L	10			U	5.0
M-3S	2-Methylnaphthalene	ug/L	10			U	5.0
M-3S	2-Methylphenol	ug/L	10			U	5.0
M-3S	2-Nitroaniline	ug/L	25			U	20
M-3S	2-Nitrophenol	ug/L	10			U	5.0
M-3S	3,3'-Dichlorobenzidine	ug/L	10			U	5.0
M-3S	3-Nitroaniline	ug/L	25			U	20
M-3S	4,6-Dinitro-2-methylphenol	ug/L	25			U	20
M-3S	4-Bromophenyl-phenylether	ug/L	10			U	5.0
M-3S	4-Chloro-3-methylphenol	ug/L	10			U	5.0
M-3S	4-Chloroaniline	ug/L	10			U	5.0
M-3S	4-Chlorophenyl-phenyl ether	ug/L	10			U	5.0
M-3S	4-Methylphenol	ug/L	10			U	5.0
M-3S	4-Nitroaniline	ug/L	25			U	20
M-3S	4-Nitrophenol	ug/L	25			U	20
M-3S	Acenaphthene	ug/L	10			U	5.0
M-3S	Acenaphthylene	ug/L	10			U	5.0
M-3S	Anthracene	ug/L	10			U	5.0
M-3S	Benzo(a)anthracene	ug/L	10			U	5.0
M-3S	Benzo(a)pyrene	ug/L	10			U	5.0
M-3S	Benzo(b)fluoranthene	ug/L	10			U	5.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
M-3S	Benzo(g,h,i)perylene	ug/L	10			U	5.0
M-3S	Benzo(k)fluoranthene	ug/L	10			U	5.0
M-3S	bis(2-Chloroethoxy)methane	ug/L	10			U	5.0
M-3S	bis(2-Chloroethyl) ether	ug/L	10	3.0			NA
M-3S	bis(2-Ethylhexyl)phthalate	ug/L	10			U	5.0
M-3S	Butylbenzylphthalate	ug/L	10			U	5.0
M-3S	Carbazole	ug/L	10			U	5.0
M-3S	Chrysene	ug/L	10			U	5.0
M-3S	Di-n-butylphthalate	ug/L	10			U	5.0
M-3S	Di-n-octylphthalate	ug/L	10			U	5.0
M-3S	Dibenzo(a,h)anthracene	ug/L	10			U	5.0
M-3S	Dibenzofuran	ug/L	10			U	5.0
M-3S	Diethylphthalate	ug/L	10			U	5.0
M-3S	Dimethylphthalate	ug/L	10			U	5.0
M-3S	Fluoranthene	ug/L	10			U	5.0
M-3S	Fluorene	ug/L	10			U	5.0
M-3S	Hexachlorobenzene	ug/L	10			U	5.0
M-3S	Hexachlorobutadiene	ug/L	10			U	5.0
M-3S	Hexachlorocyclopentadiene	ug/L	10			UJ	5.0
M-3S	Hexachloroethane	ug/L	10			U	5.0
M-3S	Indeno(1,2,3-cd)pyrene	ug/L	10			U	5.0
M-3S	Isophorone	ug/L	10			U	5.0
M-3S	N-Nitroso-di-n-propylamine	ug/L	10			U	5.0
M-3S	N-Nitrosodiphenylamine	ug/L	10			U	5.0
M-3S	Naphthalene	ug/L	10			U	5.0
M-3S	Nitrobenzene	ug/L	10			U	5.0
M-3S	Pentachlorophenol	ug/L	25			U	20
M-3S	Phenanthrene	ug/L	10			U	5.0
M-3S	Phenol	ug/L	16	5.5			NA
M-3S	Pyrene	ug/L	10			U	5.0
M-4D	1,2,4-Trichlorobenzene	ug/L	10		U	U	5.0
M-4D	1,2-Dichlorobenzene	ug/L	10		U	U	1.0
M-4D	1,3-Dichlorobenzene	ug/L	10		U	U	1.0
M-4D	1,4-Dichlorobenzene	ug/L	10		U	U	1.0
M-4D	2,2'-oxybis(1-Chloropropane)	ug/L	10		U	U	5.0
M-4D	2,4,5-Trichlorophenol	ug/L	25		U	U	20
M-4D	2,4,6-Trichlorophenol	ug/L	10		U	U	5.0
M-4D	2,4-Dichlorophenol	ug/L	10		U	U	5.0
M-4D	2,4-Dimethylphenol	ug/L	10		U	U	5.0
M-4D	2,4-Dinitrophenol	ug/L	25		U	U	20
M-4D	2,4-Dinitrotoluene	ug/L	10		U	U	5.0
M-4D	2,6-Dinitrotoluene	ug/L	10		U	U	5.0
M-4D	2-Chloronaphthalene	ug/L	10		U	U	5.0
M-4D	2-Chlorophenol	ug/L	10		U	U	5.0
M-4D	2-Methylnaphthalene	ug/L	10		U	U	5.0
M-4D	2-Methylphenol	ug/L	10		U	U	5.0
M-4D	2-Nitroaniline	ug/L	25		U	U	20
M-4D	2-Nitrophenol	ug/L	10		U	U	5.0
M-4D	3,3'-Dichlorobenzidine	ug/L	10		U	U	5.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
M-4D	3-Nitroaniline	ug/L	25		U	U	20
M-4D	4,6-Dinitro-2-methylphenol	ug/L	25		U	U	20
M-4D	4-Bromophenyl-phenylether	ug/L	10		U	U	5.0
M-4D	4-Chloro-3-methylphenol	ug/L	10		U	U	5.0
M-4D	4-Chloroaniline	ug/L	10		U	U	5.0
M-4D	4-Chlorophenyl-phenyl ether	ug/L	10		U	U	5.0
M-4D	4-Methylphenol	ug/L	10		U	U	5.0
M-4D	4-Nitroaniline	ug/L	25		U	U	20
M-4D	4-Nitrophenol	ug/L	25		U	U	20
M-4D	Acenaphthene	ug/L	10		U	U	5.0
M-4D	Acenaphthylene	ug/L	10		U	U	5.0
M-4D	Anthracene	ug/L	10		U	U	5.0
M-4D	Benzo(a)anthracene	ug/L	10		U	U	5.0
M-4D	Benzo(a)pyrene	ug/L	10		U	U	5.0
M-4D	Benzo(b)fluoranthene	ug/L	10		U	U	5.0
M-4D	Benzo(g,h,i)perylene	ug/L	10		U	U	5.0
M-4D	Benzo(k)fluoranthene	ug/L	10		U	U	5.0
M-4D	bis(2-Chloroethoxy)methane	ug/L	10		U	U	5.0
M-4D	bis(2-Chloroethyl) ether	ug/L	10		U	U	5.0
M-4D	bis(2-Ethylhexyl)phthalate	ug/L	10		U	U	5.0
M-4D	Butylbenzylphthalate	ug/L	10		U	U	5.0
M-4D	Carbazole	ug/L	10		U	U	5.0
M-4D	Chrysene	ug/L	10		U	U	5.0
M-4D	Di-n-butylphthalate	ug/L	10		U	U	5.0
M-4D	Di-n-octylphthalate	ug/L	10		U	U	5.0
M-4D	Dibenzo(a,h)anthracene	ug/L	10		U	U	5.0
M-4D	Dibenzofuran	ug/L	10		U	U	5.0
M-4D	Diethylphthalate	ug/L	10		U	U	5.0
M-4D	Dimethylphthalate	ug/L	10		U	U	5.0
M-4D	Fluoranthene	ug/L	10		U	U	5.0
M-4D	Fluorene	ug/L	10		U	U	5.0
M-4D	Hexachlorobenzene	ug/L	10		U	U	5.0
M-4D	Hexachlorobutadiene	ug/L	10		U	U	5.0
M-4D	Hexachlorocyclopentadiene	ug/L	10		U	UJ	5.0
M-4D	Hexachloroethane	ug/L	10		U	U	5.0
M-4D	Indeno(1,2,3-cd)pyrene	ug/L	10		U	U	5.0
M-4D	Isophorone	ug/L	10		U	U	5.0
M-4D	N-Nitroso-di-n-propylamine	ug/L	10		U	U	5.0
M-4D	N-Nitrosodiphenylamine	ug/L	10		U	U	5.0
M-4D	Naphthalene	ug/L	10		U	U	5.0
M-4D	Nitrobenzene	ug/L	10		U	U	5.0
M-4D	Pentachlorophenol	ug/L	25		U	U	20
M-4D	Phenanthrene	ug/L	10		U	U	5.0
M-4D	Phenol	ug/L	16	6.0			5.0
M-4D	Pyrene	ug/L	10		U	U	5.0
M-4S	1,2,4-Trichlorobenzene	ug/L	10		U	U	5.0
M-4S	1,2-Dichlorobenzene	ug/L	10		U	U	5.0
M-4S	1,3-Dichlorobenzene	ug/L	10		U	U	5.0
M-4S	1,4-Dichlorobenzene	ug/L	10		U	U	5.0

BOLD = Exceedance
NA = Not Available

Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
M-4S	2,2'-oxybis(1-Chloropropane)	ug/L	10		U	U	5.0
M-4S	2,4,5-Trichlorophenol	ug/L	25		U	U	20
M-4S	2,4,6-Trichlorophenol	ug/L	10		U	U	5.0
M-4S	2,4-Dichlorophenol	ug/L	10		U	U	5.0
M-4S	2,4-Dimethylphenol	ug/L	10		U	U	5.0
M-4S	2,4-Dinitrophenol	ug/L	25		U	U	20
M-4S	2,4-Dinitrotoluene	ug/L	10		U	U	5.0
M-4S	2,6-Dinitrotoluene	ug/L	10		U	U	5.0
M-4S	2-Chloronaphthalene	ug/L	10		U	U	5.0
M-4S	2-Chlorophenol	ug/L	10		U	U	5.0
M-4S	2-Methylnaphthalene	ug/L	10		U	U	5.0
M-4S	2-Methylphenol	ug/L	10		U	U	5.0
M-4S	2-Nitroaniline	ug/L	25		U	U	20
M-4S	2-Nitrophenol	ug/L	10		U	U	5.0
M-4S	3,3'-Dichlorobenzidine	ug/L	10		U	U	5.0
M-4S	3-Nitroaniline	ug/L	25		U	U	20
M-4S	4,6-Dinitro-2-methylphenol	ug/L	25		U	U	20
M-4S	4-Bromophenyl-phenylether	ug/L	10		U	U	5.0
M-4S	4-Chloro-3-methylphenol	ug/L	10		U	U	5.0
M-4S	4-Chloroaniline	ug/L	10		U	U	5.0
M-4S	4-Chlorophenyl-phenyl ether	ug/L	10		U	U	5.0
M-4S	4-Methylphenol	ug/L	10		U	U	5.0
M-4S	4-Nitroaniline	ug/L	25		U	U	20
M-4S	4-Nitrophenol	ug/L	25		U	U	20
M-4S	Acenaphthene	ug/L	10		U	U	5.0
M-4S	Acenaphthylene	ug/L	10		U	U	5.0
M-4S	Anthracene	ug/L	10		U	U	5.0
M-4S	Benzo(a)anthracene	ug/L	10		U	U	5.0
M-4S	Benzo(a)pyrene	ug/L	10		U	U	5.0
M-4S	Benzo(b)fluoranthene	ug/L	10		U	U	5.0
M-4S	Benzo(g,h,i)perylene	ug/L	10		U	U	5.0
M-4S	Benzo(k)fluoranthene	ug/L	10		U	U	5.0
M-4S	bis(2-Chloroethoxy)methane	ug/L	10		U	U	5.0
M-4S	bis(2-Chloroethyl) ether	ug/L	71	56			5.0
M-4S	bis(2-Ethylhexyl)phthalate	ug/L	10		U	U	5.0
M-4S	Butylbenzylphthalate	ug/L	10		U	U	5.0
M-4S	Carbazole	ug/L	10		U	U	5.0
M-4S	Chrysene	ug/L	10		U	U	5.0
M-4S	Di-n-butylphthalate	ug/L	10		U	U	5.0
M-4S	Di-n-octylphthalate	ug/L	10		U	U	5.0
M-4S	Dibenzo(a,h)anthracene	ug/L	10		U	U	5.0
M-4S	Dibenzofuran	ug/L	10		U	U	5.0
M-4S	Diethylphthalate	ug/L	10		U	U	5.0
M-4S	Dimethylphthalate	ug/L	10		U	U	5.0
M-4S	Fluoranthene	ug/L	10		U	U	5.0
M-4S	Fluorene	ug/L	10		U	U	5.0
M-4S	Hexachlorobenzene	ug/L	10		U	U	5.0
M-4S	Hexachlorobutadiene	ug/L	10		U	U	5.0
M-4S	Hexachlorocyclopentadiene	ug/L	10		U	UJ	5.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
M-4S	Hexachloroethane	ug/L	10		U	U	5.0
M-4S	Indeno(1,2,3-cd)pyrene	ug/L	10		U	U	5.0
M-4S	Isophorone	ug/L	10		U	U	5.0
M-4S	N-Nitroso-di-n-propylamine	ug/L	10		U	U	5.0
M-4S	N-Nitrosodiphenylamine	ug/L	10		U	U	5.0
M-4S	Naphthalene	ug/L	10		U	U	5.0
M-4S	Nitrobenzene	ug/L	10		U	U	5.0
M-4S	Pentachlorophenol	ug/L	25		U	U	20
M-4S	Phenanthrene	ug/L	10		U	U	5.0
M-4S	Phenol	ug/L	25	10			5.0
M-4S	Pyrene	ug/L	10		U	U	5.0
MW-06	1,2,4-Trichlorobenzene	ug/L	20		U	U	5.0
MW-06	1,2-Dichlorobenzene	ug/L	20		U	U	5.0
MW-06	1,3-Dichlorobenzene	ug/L	20		U	U	5.0
MW-06	1,4-Dichlorobenzene	ug/L	20		U	U	5.0
MW-06	2,2'-oxybis(1-Chloropropane)	ug/L	20		U	U	5.0
MW-06	2,4,5-Trichlorophenol	ug/L	50		U	U	20
MW-06	2,4,6-Trichlorophenol	ug/L	20		U	U	5.0
MW-06	2,4-Dichlorophenol	ug/L	20		U	U	5.0
MW-06	2,4-Dimethylphenol	ug/L	20	13			5.0
MW-06	2,4-Dinitrophenol	ug/L	50		U	U	20
MW-06	2,4-Dinitrotoluene	ug/L	20		U	U	5.0
MW-06	2,6-Dinitrotoluene	ug/L	20		U	U	5.0
MW-06	2-Chloronaphthalene	ug/L	20		U	U	5.0
MW-06	2-Chlorophenol	ug/L	20		U	U	5.0
MW-06	2-Methylnaphthalene	ug/L	20		U	U	5.0
MW-06	2-Methylphenol	ug/L	20		U	U	5.0
MW-06	2-Nitroaniline	ug/L	50		U	U	20
MW-06	2-Nitrophenol	ug/L	20		U	U	5.0
MW-06	3,3'-Dichlorobenzidine	ug/L	20		U	U	5.0
MW-06	3-Nitroaniline	ug/L	50		U	U	20
MW-06	4,6-Dinitro-2-methylphenol	ug/L	50		U	U	20
MW-06	4-Bromophenyl-phenylether	ug/L	20		U	U	5.0
MW-06	4-Chloro-3-methylphenol	ug/L	20		U	U	5.0
MW-06	4-Chloroaniline	ug/L	20		U	U	5.0
MW-06	4-Chlorophenyl-phenyl ether	ug/L	20		U	U	5.0
MW-06	4-Methylphenol	ug/L	20		U	U	5.0
MW-06	4-Nitroaniline	ug/L	50		U	U	20
MW-06	4-Nitrophenol	ug/L	50		U	U	20
MW-06	Acenaphthene	ug/L	20		U	U	5.0
MW-06	Acenaphthylene	ug/L	20		U	U	5.0
MW-06	Anthracene	ug/L	20		U	U	5.0
MW-06	Benzo(a)anthracene	ug/L	20		U	U	5.0
MW-06	Benzo(a)pyrene	ug/L	20		U	U	5.0
MW-06	Benzo(b)fluoranthene	ug/L	20		U	U	5.0
MW-06	Benzo(g,h,i)perylene	ug/L	20		U	U	5.0
MW-06	Benzo(k)fluoranthene	ug/L	20		U	U	5.0
MW-06	bis(2-Chloroethoxy)methane	ug/L	20		U	U	5.0
MW-06	bis(2-Chloroethyl) ether	ug/L	56	74			5.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-06	bis(2-Ethylhexyl)phthalate	ug/L	20		U	U	5.0
MW-06	Butylbenzylphthalate	ug/L	20		U	U	5.0
MW-06	Carbazole	ug/L	20		U	U	5.0
MW-06	Chrysene	ug/L	20		U	U	5.0
MW-06	Di-n-butylphthalate	ug/L	20		U	U	5.0
MW-06	Di-n-octylphthalate	ug/L	20		U	U	5.0
MW-06	Dibenzo(a,h)anthracene	ug/L	20		U	U	5.0
MW-06	Dibenzofuran	ug/L	20		U	U	5.0
MW-06	Diethylphthalate	ug/L	20	1.0	J		5.0
MW-06	Dimethylphthalate	ug/L	20		U	U	5.0
MW-06	Fluoranthene	ug/L	20		U	U	5.0
MW-06	Fluorene	ug/L	20		U	U	5.0
MW-06	Hexachlorobenzene	ug/L	20		U	U	5.0
MW-06	Hexachlorobutadiene	ug/L	20		U	U	5.0
MW-06	Hexachlorocyclopentadiene	ug/L	20		U	UJ	5.0
MW-06	Hexachloroethane	ug/L	20		U	U	5.0
MW-06	Indeno(1,2,3-cd)pyrene	ug/L	20		U	U	5.0
MW-06	Isophorone	ug/L	20	19			5.0
MW-06	N-Nitroso-di-n-propylamine	ug/L	20		U	U	5.0
MW-06	N-Nitrosodiphenylamine	ug/L	20		U	U	5.0
MW-06	Naphthalene	ug/L	20		U	U	5.0
MW-06	Nitrobenzene	ug/L	20		U	U	5.0
MW-06	Pentachlorophenol	ug/L	50		U	U	20
MW-06	Phenanthrene	ug/L	20		U	U	5.0
MW-06	Phenol	ug/L	60	60			5.0
MW-06	Pyrene	ug/L	20		U	U	5.0
MW-07	1,2,4-Trichlorobenzene	ug/L	10		U	U	5.0
MW-07	1,2-Dichlorobenzene	ug/L	10		U	U	1.0
MW-07	1,3-Dichlorobenzene	ug/L	10		U	U	1.0
MW-07	1,4-Dichlorobenzene	ug/L	10		U	U	1.0
MW-07	2,2'-oxybis(1-Chloropropane)	ug/L	10		U	U	5.0
MW-07	2,4,5-Trichlorophenol	ug/L	25		U	U	20
MW-07	2,4,6-Trichlorophenol	ug/L	10		U	U	5.0
MW-07	2,4-Dichlorophenol	ug/L	10		U	U	5.0
MW-07	2,4-Dimethylphenol	ug/L	10		U	U	5.0
MW-07	2,4-Dinitrophenol	ug/L	25		U	U	20
MW-07	2,4-Dinitrotoluene	ug/L	10		U	U	5.0
MW-07	2,6-Dinitrotoluene	ug/L	10		U	U	5.0
MW-07	2-Chloronaphthalene	ug/L	10		U	U	5.0
MW-07	2-Chlorophenol	ug/L	10		U	U	5.0
MW-07	2-Methylnaphthalene	ug/L	10		U	U	5.0
MW-07	2-Methylphenol	ug/L	10		U	U	5.0
MW-07	2-Nitroaniline	ug/L	25		U	U	20
MW-07	2-Nitrophenol	ug/L	10		U	U	5.0
MW-07	3,3'-Dichlorobenzidine	ug/L	10		U	U	5.0
MW-07	3-Nitroaniline	ug/L	25		U	U	20
MW-07	4,6-Dinitro-2-methylphenol	ug/L	25		U	U	20
MW-07	4-Bromophenyl-phenylether	ug/L	10		U	U	5.0
MW-07	4-Chloro-3-methylphenol	ug/L	10		U	U	5.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-07	4-Chloroaniline	ug/L	10		U	U	5.0
MW-07	4-Chlorophenyl-phenyl ether	ug/L	10		U	U	5.0
MW-07	4-Methylphenol	ug/L	10		U	U	5.0
MW-07	4-Nitroaniline	ug/L	25		U	U	20
MW-07	4-Nitrophenol	ug/L	25		U	U	20
MW-07	Acenaphthene	ug/L	10		U	U	5.0
MW-07	Acenaphthylene	ug/L	10		U	U	5.0
MW-07	Anthracene	ug/L	10		U	U	5.0
MW-07	Benzo(a)anthracene	ug/L	10		U	U	5.0
MW-07	Benzo(a)pyrene	ug/L	10		U	U	5.0
MW-07	Benzo(b)fluoranthene	ug/L	10		U	U	5.0
MW-07	Benzo(g,h,i)perylene	ug/L	10		U	U	5.0
MW-07	Benzo(k)fluoranthene	ug/L	10		U	U	5.0
MW-07	bis(2-Chloroethoxy)methane	ug/L	10		U	U	5.0
MW-07	bis(2-Chloroethyl) ether	ug/L	10		U	U	5.0
MW-07	bis(2-Ethylhexyl)phthalate	ug/L	10	4.0	J	J	5.0
MW-07	Butylbenzylphthalate	ug/L	10		U	U	5.0
MW-07	Carbazole	ug/L	10		U	U	5.0
MW-07	Chrysene	ug/L	10		U	U	5.0
MW-07	Di-n-butylphthalate	ug/L	10		U	U	5.0
MW-07	Di-n-octylphthalate	ug/L	10		U	U	5.0
MW-07	Dibenzo(a,h)anthracene	ug/L	10		U	U	5.0
MW-07	Dibenzofuran	ug/L	10		U	U	5.0
MW-07	Diethylphthalate	ug/L	10		U	U	5.0
MW-07	Dimethylphthalate	ug/L	10		U	U	5.0
MW-07	Fluoranthene	ug/L	10		U	U	5.0
MW-07	Fluorene	ug/L	10		U	U	5.0
MW-07	Hexachlorobenzene	ug/L	10		U	U	5.0
MW-07	Hexachlorobutadiene	ug/L	10		U	U	5.0
MW-07	Hexachlorocyclopentadiene	ug/L	10		U	U	5.0
MW-07	Hexachloroethane	ug/L	10		U	U	5.0
MW-07	Indeno(1,2,3-cd)pyrene	ug/L	10		U	U	5.0
MW-07	Isophorone	ug/L	10		U	U	5.0
MW-07	N-Nitroso-di-n-propylamine	ug/L	10		U	U	5.0
MW-07	N-Nitrosodiphenylamine	ug/L	10		U	U	5.0
MW-07	Naphthalene	ug/L	10		U	U	5.0
MW-07	Nitrobenzene	ug/L	10		U	U	5.0
MW-07	Pentachlorophenol	ug/L	25		U	U	20
MW-07	Phenanthrene	ug/L	10		U	U	5.0
MW-07	Phenol	ug/L	70	46			5.0
MW-07	Pyrene	ug/L	10		U	U	5.0
MW-08	1,2,4-Trichlorobenzene	ug/L	20			U	5.0
MW-08	1,2-Dichlorobenzene	ug/L	20			U	1.0
MW-08	1,3-Dichlorobenzene	ug/L	20			U	1.0
MW-08	1,4-Dichlorobenzene	ug/L	20			U	1.0
MW-08	2,2'-oxybis(1-Chloropropane)	ug/L	20			U	5.0
MW-08	2,4,5-Trichlorophenol	ug/L	50			U	20
MW-08	2,4,6-Trichlorophenol	ug/L	20			U	5.0
MW-08	2,4-Dichlorophenol	ug/L	20			U	5.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-08	2,4-Dimethylphenol	ug/L	20			U	5.0
MW-08	2,4-Dinitrophenol	ug/L	50			U	20
MW-08	2,4-Dinitrotoluene	ug/L	20			U	5.0
MW-08	2,6-Dinitrotoluene	ug/L	20			U	5.0
MW-08	2-Chloronaphthalene	ug/L	20			U	5.0
MW-08	2-Chlorophenol	ug/L	20			U	5.0
MW-08	2-Methylnaphthalene	ug/L	20			U	5.0
MW-08	2-Methylphenol	ug/L	20			U	5.0
MW-08	2-Nitroaniline	ug/L	50			U	20
MW-08	2-Nitrophenol	ug/L	20			U	5.0
MW-08	3,3'-Dichlorobenzidine	ug/L	20			U	5.0
MW-08	3-Nitroaniline	ug/L	50			U	20
MW-08	4,6-Dinitro-2-methylphenol	ug/L	50			U	20
MW-08	4-Bromophenyl-phenylether	ug/L	20			U	5.0
MW-08	4-Chloro-3-methylphenol	ug/L	20			U	5.0
MW-08	4-Chloroaniline	ug/L	20			U	5.0
MW-08	4-Chlorophenyl-phenyl ether	ug/L	20			U	5.0
MW-08	4-Methylphenol	ug/L	20			U	5.0
MW-08	4-Nitroaniline	ug/L	50			U	20
MW-08	4-Nitrophenol	ug/L	50			U	20
MW-08	Acenaphthene	ug/L	20			U	5.0
MW-08	Acenaphthylene	ug/L	20			U	5.0
MW-08	Anthracene	ug/L	20			U	5.0
MW-08	Benzo(a)anthracene	ug/L	20			U	5.0
MW-08	Benzo(a)pyrene	ug/L	20			U	5.0
MW-08	Benzo(b)fluoranthene	ug/L	20			U	5.0
MW-08	Benzo(g,h,i)perylene	ug/L	20			U	5.0
MW-08	Benzo(k)fluoranthene	ug/L	20			U	5.0
MW-08	bis(2-Chloroethoxy)methane	ug/L	20			U	5.0
MW-08	bis(2-Chloroethyl) ether	ug/L	20			U	5.0
MW-08	bis(2-Ethylhexyl)phthalate	ug/L	20			U	5.0
MW-08	Butylbenzylphthalate	ug/L	20			U	5.0
MW-08	Carbazole	ug/L	20			U	5.0
MW-08	Chrysene	ug/L	20			U	5.0
MW-08	Di-n-butylphthalate	ug/L	20			U	5.0
MW-08	Di-n-octylphthalate	ug/L	20			U	5.0
MW-08	Dibenzo(a,h)anthracene	ug/L	20			U	5.0
MW-08	Dibenzofuran	ug/L	20			U	5.0
MW-08	Diethylphthalate	ug/L	20			U	5.0
MW-08	Dimethylphthalate	ug/L	20			U	5.0
MW-08	Fluoranthene	ug/L	20			U	5.0
MW-08	Fluorene	ug/L	20			U	5.0
MW-08	Hexachlorobenzene	ug/L	20			U	5.0
MW-08	Hexachlorobutadiene	ug/L	20			U	5.0
MW-08	Hexachlorocyclopentadiene	ug/L	20			U	5.0
MW-08	Hexachloroethane	ug/L	20			U	5.0
MW-08	Indeno(1,2,3-cd)pyrene	ug/L	20			U	5.0
MW-08	Isophorone	ug/L	20			U	5.0
MW-08	N-Nitroso-di-n-propylamine	ug/L	20			U	5.0

BOLD = Exceedance
NA = Not Available

Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-08	N-Nitrosodiphenylamine	ug/L	20			U	5.0
MW-08	Naphthalene	ug/L	20			U	5.0
MW-08	Nitrobenzene	ug/L	20			U	5.0
MW-08	Pentachlorophenol	ug/L	50			U	20
MW-08	Phenanthrene	ug/L	20			U	5.0
MW-08	Phenol	ug/L	140			U	7.0
MW-08	Pyrene	ug/L	20			U	5.0
MW-09	1,2,4-Trichlorobenzene	ug/L	50		U		5.0
MW-09	1,2-Dichlorobenzene	ug/L	50		U		5.0
MW-09	1,3-Dichlorobenzene	ug/L	50		U		5.0
MW-09	1,4-Dichlorobenzene	ug/L	50		U		5.0
MW-09	2,2'-oxybis(1-Chloropropane)	ug/L	50		U	UJ	5.0
MW-09	2,4,5-Trichlorophenol	ug/L	125		U		20
MW-09	2,4,6-Trichlorophenol	ug/L	50		U		5.0
MW-09	2,4-Dichlorophenol	ug/L	50		U		5.0
MW-09	2,4-Dimethylphenol	ug/L	50		U		5.0
MW-09	2,4-Dinitrophenol	ug/L	125		U		20
MW-09	2,4-Dinitrotoluene	ug/L	50		U	R	5.0
MW-09	2,6-Dinitrotoluene	ug/L	50		U		5.0
MW-09	2-Chloronaphthalene	ug/L	50		U		5.0
MW-09	2-Chlorophenol	ug/L	50		U		5.0
MW-09	2-Methylnaphthalene	ug/L	50		U		5.0
MW-09	2-Methylphenol	ug/L	50		U		5.0
MW-09	2-Nitroaniline	ug/L	125		U		20
MW-09	2-Nitrophenol	ug/L	50		U		5.0
MW-09	3,3'-Dichlorobenzidine	ug/L	50		U		5.0
MW-09	3-Nitroaniline	ug/L	125		U		20
MW-09	4,6-Dinitro-2-methylphenol	ug/L	125		U		20
MW-09	4-Bromophenyl-phenylether	ug/L	50		U		5.0
MW-09	4-Chloro-3-methylphenol	ug/L	50		U		5.0
MW-09	4-Chloroaniline	ug/L	50		U	R	5.0
MW-09	4-Chlorophenyl-phenyl ether	ug/L	50		U		5.0
MW-09	4-Methylphenol	ug/L	50		U	UJ	5.0
MW-09	4-Nitroaniline	ug/L	125		U		20
MW-09	4-Nitrophenol	ug/L	125		U		20
MW-09	Acenaphthene	ug/L	50		U		5.0
MW-09	Acenaphthylene	ug/L	50		U		5.0
MW-09	Anthracene	ug/L	50		U		5.0
MW-09	Benzo(a)anthracene	ug/L	50		U		5.0
MW-09	Benzo(a)pyrene	ug/L	50		U		5.0
MW-09	Benzo(b)fluoranthene	ug/L	50		U		5.0
MW-09	Benzo(g,h,i)perylene	ug/L	50		U		5.0
MW-09	Benzo(k)fluoranthene	ug/L	50		U		5.0
MW-09	bis(2-Chloroethoxy)methane	ug/L	50		U		5.0
MW-09	bis(2-Chloroethyl) ether	ug/L	50	35			5.0
MW-09	bis(2-Ethylhexyl)phthalate	ug/L	50		U		5.0
MW-09	Butylbenzylphthalate	ug/L	50		U		5.0
MW-09	Carbazole	ug/L	50		U		5.0
MW-09	Chrysene	ug/L	50		U		5.0

BOLD = Exceedance

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-09	Di-n-butylphthalate	ug/L	50	0.80	J		5.0
MW-09	Di-n-octylphthalate	ug/L	50		U		5.0
MW-09	Dibenzo(a,h)anthracene	ug/L	50		U		5.0
MW-09	Dibenzofuran	ug/L	50		U		5.0
MW-09	Diethylphthalate	ug/L	50		U		5.0
MW-09	Dimethylphthalate	ug/L	50		U		5.0
MW-09	Fluoranthene	ug/L	50		U		5.0
MW-09	Fluorene	ug/L	50		U		5.0
MW-09	Hexachlorobenzene	ug/L	50		U		5.0
MW-09	Hexachlorobutadiene	ug/L	50		U		5.0
MW-09	Hexachlorocyclopentadiene	ug/L	50		U	UJ	5.0
MW-09	Hexachloroethane	ug/L	50		U		5.0
MW-09	Indeno(1,2,3-cd)pyrene	ug/L	50		U		5.0
MW-09	Isophorone	ug/L	50	1.0	J		5.0
MW-09	N-Nitroso-di-n-propylamine	ug/L	50		U	UJ	5.0
MW-09	N-Nitrosodiphenylamine	ug/L	50		U		5.0
MW-09	Naphthalene	ug/L	50		U		5.0
MW-09	Nitrobenzene	ug/L	50		U		5.0
MW-09	Pentachlorophenol	ug/L	125		U		20
MW-09	Phenanthrene	ug/L	50		U		5.0
MW-09	Phenol	ug/L	50	22			5.0
MW-09	Pyrene	ug/L	50		U		5.0
MW-10C	1,2,4-Trichlorobenzene	ug/L	10		U		10
MW-10C	1,2-Dichlorobenzene	ug/L	10		U		10
MW-10C	1,3-Dichlorobenzene	ug/L	10		U		10
MW-10C	1,4-Dichlorobenzene	ug/L	10		U		10
MW-10C	2,2'-oxybis(1-Chloropropane)	ug/L	10		U		10
MW-10C	2,4,5-Trichlorophenol	ug/L	25		U		40
MW-10C	2,4,6-Trichlorophenol	ug/L	10		U		10
MW-10C	2,4-Dichlorophenol	ug/L	10		U		10
MW-10C	2,4-Dimethylphenol	ug/L	10		U		10
MW-10C	2,4-Dinitrophenol	ug/L	25		U		40
MW-10C	2,4-Dinitrotoluene	ug/L	10		U	R	10
MW-10C	2,6-Dinitrotoluene	ug/L	10		U		10
MW-10C	2-Chloronaphthalene	ug/L	10		U		10
MW-10C	2-Chlorophenol	ug/L	10		U		10
MW-10C	2-Methylnaphthalene	ug/L	10		U		10
MW-10C	2-Methylphenol	ug/L	10		U		10
MW-10C	2-Nitroaniline	ug/L	25		U		40
MW-10C	2-Nitrophenol	ug/L	10		U		10
MW-10C	3,3'-Dichlorobenzidine	ug/L	10		U		10
MW-10C	3-Nitroaniline	ug/L	25		U		40
MW-10C	4,6-Dinitro-2-methylphenol	ug/L	25		U		40
MW-10C	4-Bromophenyl-phenylether	ug/L	10		U		10
MW-10C	4-Chloro-3-methylphenol	ug/L	10		U		10
MW-10C	4-Chloroaniline	ug/L	10		U	R	10
MW-10C	4-Chlorophenyl-phenyl ether	ug/L	10		U		10
MW-10C	4-Methylphenol	ug/L	10		U		10
MW-10C	4-Nitroaniline	ug/L	25		U		40

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-10C	4-Nitrophenol	ug/L	25		U		40
MW-10C	Acenaphthene	ug/L	10		U		10
MW-10C	Acenaphthylene	ug/L	10		U		10
MW-10C	Anthracene	ug/L	10		U		10
MW-10C	Benzo(a)anthracene	ug/L	10		U		10
MW-10C	Benzo(a)pyrene	ug/L	10		U		10
MW-10C	Benzo(b)fluoranthene	ug/L	10		U		10
MW-10C	Benzo(g,h,i)perylene	ug/L	10		U		10
MW-10C	Benzo(k)fluoranthene	ug/L	10		U		10
MW-10C	bis(2-Chloroethoxy)methane	ug/L	10		U		10
MW-10C	bis(2-Chloroethyl) ether	ug/L	10		U		10
MW-10C	bis(2-Ethylhexyl)phthalate	ug/L	10	**25**			10
MW-10C	Butylbenzylphthalate	ug/L	10	2.0	J		10
MW-10C	Carbazole	ug/L	10		U		10
MW-10C	Chrysene	ug/L	10		U		10
MW-10C	Di-n-butylphthalate	ug/L	10		U		10
MW-10C	Di-n-octylphthalate	ug/L	10	3.0	J		10
MW-10C	Dibenzo(a,h)anthracene	ug/L	10		U		10
MW-10C	Dibenzofuran	ug/L	10		U		10
MW-10C	Diethylphthalate	ug/L	10		U		10
MW-10C	Dimethylphthalate	ug/L	10		U		10
MW-10C	Fluoranthene	ug/L	10		U		10
MW-10C	Fluorene	ug/L	10		U		10
MW-10C	Hexachlorobenzene	ug/L	10		U		10
MW-10C	Hexachlorobutadiene	ug/L	10		U		10
MW-10C	Hexachlorocyclopentadiene	ug/L	10		U	UJ	10
MW-10C	Hexachloroethane	ug/L	10		U		10
MW-10C	Indeno(1,2,3-cd)pyrene	ug/L	10		U		10
MW-10C	Isophorone	ug/L	10		U		10
MW-10C	N-Nitroso-di-n-propylamine	ug/L	10		U		10
MW-10C	N-Nitrosodiphenylamine	ug/L	10		U		10
MW-10C	Naphthalene	ug/L	10		U		10
MW-10C	Nitrobenzene	ug/L	10		U		10
MW-10C	Pentachlorophenol	ug/L	25		U		40
MW-10C	Phenanthrene	ug/L	10		U		10
MW-10C	Phenol	ug/L	20	**130**			10
MW-10C	Pyrene	ug/L	10		U		10
MW-11	1,2,4-Trichlorobenzene	ug/L	10		U	U	5.0
MW-11	1,2-Dichlorobenzene	ug/L	10		U	U	1.0
MW-11	1,3-Dichlorobenzene	ug/L	10		U	U	1.0
MW-11	1,4-Dichlorobenzene	ug/L	10		U	U	1.0
MW-11	2,2'-oxybis(1-Chloropropane)	ug/L	10		U	U	5.0
MW-11	2,4,5-Trichlorophenol	ug/L	25		U	U	20
MW-11	2,4,6-Trichlorophenol	ug/L	10		U	U	5.0
MW-11	2,4-Dichlorophenol	ug/L	10		U	U	5.0
MW-11	2,4-Dimethylphenol	ug/L	10		U	U	5.0
MW-11	2,4-Dinitrophenol	ug/L	25		U	U	20
MW-11	2,4-Dinitrotoluene	ug/L	10		U	U	5.0
MW-11	2,6-Dinitrotoluene	ug/L	10		U	U	5.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-11	2-Chloronaphthalene	ug/L	10		U	U	5.0
MW-11	2-Chlorophenol	ug/L	10		U	U	5.0
MW-11	2-Methylnaphthalene	ug/L	10		U	U	5.0
MW-11	2-Methylphenol	ug/L	10		U	U	5.0
MW-11	2-Nitroaniline	ug/L	25		U	U	20
MW-11	2-Nitrophenol	ug/L	10		U	U	5.0
MW-11	3,3'-Dichlorobenzidine	ug/L	10		U	U	5.0
MW-11	3-Nitroaniline	ug/L	25		U	U	20
MW-11	4,6-Dinitro-2-methylphenol	ug/L	25		U	U	20
MW-11	4-Bromophenyl-phenylether	ug/L	10		U	U	5.0
MW-11	4-Chloro-3-methylphenol	ug/L	10		U	U	5.0
MW-11	4-Chloroaniline	ug/L	10		U	U	5.0
MW-11	4-Chlorophenyl-phenyl ether	ug/L	10		U	U	5.0
MW-11	4-Methylphenol	ug/L	10		U	U	5.0
MW-11	4-Nitroaniline	ug/L	25		U	U	20
MW-11	4-Nitrophenol	ug/L	25		U	U	20
MW-11	Acenaphthene	ug/L	10		U	U	5.0
MW-11	Acenaphthylene	ug/L	10		U	U	5.0
MW-11	Anthracene	ug/L	10		U	U	5.0
MW-11	Benzo(a)anthracene	ug/L	10		U	U	5.0
MW-11	Benzo(a)pyrene	ug/L	10		U	U	5.0
MW-11	Benzo(b)fluoranthene	ug/L	10		U	U	5.0
MW-11	Benzo(g,h,i)perylene	ug/L	10		U	U	5.0
MW-11	Benzo(k)fluoranthene	ug/L	10		U	U	5.0
MW-11	bis(2-Chloroethoxy)methane	ug/L	10		U	U	5.0
MW-11	bis(2-Chloroethyl) ether	ug/L	10		U	U	5.0
MW-11	bis(2-Ethylhexyl)phthalate	ug/L	10		U	U	5.0
MW-11	Butylbenzylphthalate	ug/L	10		U	U	5.0
MW-11	Carbazole	ug/L	10		U	U	5.0
MW-11	Chrysene	ug/L	10		U	U	5.0
MW-11	Di-n-butylphthalate	ug/L	10		U	U	5.0
MW-11	Di-n-octylphthalate	ug/L	10		U	U	5.0
MW-11	Dibenzo(a,h)anthracene	ug/L	10		U	U	5.0
MW-11	Dibenzofuran	ug/L	10		U	U	5.0
MW-11	Diethylphthalate	ug/L	10		U	U	5.0
MW-11	Dimethylphthalate	ug/L	10		U	U	5.0
MW-11	Fluoranthene	ug/L	10		U	U	5.0
MW-11	Fluorene	ug/L	10		U	U	5.0
MW-11	Hexachlorobenzene	ug/L	10		U	U	5.0
MW-11	Hexachlorobutadiene	ug/L	10		U	U	5.0
MW-11	Hexachlorocyclopentadiene	ug/L	10		U	U	5.0
MW-11	Hexachloroethane	ug/L	10		U	U	5.0
MW-11	Indeno(1,2,3-cd)pyrene	ug/L	10		U	U	5.0
MW-11	Isophorone	ug/L	10		U	U	5.0
MW-11	N-Nitroso-di-n-propylamine	ug/L	10		U	U	5.0
MW-11	N-Nitrosodiphenylamine	ug/L	10		U	U	5.0
MW-11	Naphthalene	ug/L	10		U	U	5.0
MW-11	Nitrobenzene	ug/L	10		U	U	5.0
MW-11	Pentachlorophenol	ug/L	25		U	U	20

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-11	Phenanthrene	ug/L	10		U	U	5.0
MW-11	Phenol	ug/L	23	**24**			5.0
MW-11	Pyrene	ug/L	10		U	U	5.0
MW-12	1,2,4-Trichlorobenzene	ug/L	20		U	U	15
MW-12	1,2-Dichlorobenzene	ug/L	20		U	U	1.0
MW-12	1,3-Dichlorobenzene	ug/L	20		U	U	1.0
MW-12	1,4-Dichlorobenzene	ug/L	20		U	U	1.0
MW-12	2,2'-oxybis(1-Chloropropane)	ug/L	140	**170**			15
MW-12	2,4,5-Trichlorophenol	ug/L	50		U	U	60
MW-12	2,4,6-Trichlorophenol	ug/L	20		U	U	15
MW-12	2,4-Dichlorophenol	ug/L	20		U	U	15
MW-12	2,4-Dimethylphenol	ug/L	20		U	U	15
MW-12	2,4-Dinitrophenol	ug/L	50		U	U	60
MW-12	2,4-Dinitrotoluene	ug/L	20		U	U	15
MW-12	2,6-Dinitrotoluene	ug/L	20		U	U	15
MW-12	2-Chloronaphthalene	ug/L	20		U	U	15
MW-12	2-Chlorophenol	ug/L	20		U	U	15
MW-12	2-Methylnaphthalene	ug/L	20		U	U	15
MW-12	2-Methylphenol	ug/L	20		U	U	15
MW-12	2-Nitroaniline	ug/L	50		U	U	60
MW-12	2-Nitrophenol	ug/L	20		U	U	15
MW-12	3,3'-Dichlorobenzidine	ug/L	20		U	U	15
MW-12	3-Nitroaniline	ug/L	50		U	U	60
MW-12	4,6-Dinitro-2-methylphenol	ug/L	50		U	U	60
MW-12	4-Bromophenyl-phenylether	ug/L	20		U	U	15
MW-12	4-Chloro-3-methylphenol	ug/L	20		U	U	15
MW-12	4-Chloroaniline	ug/L	20		U	U	15
MW-12	4-Chlorophenyl-phenyl ether	ug/L	20		U	U	15
MW-12	4-Methylphenol	ug/L	20		U	U	15
MW-12	4-Nitroaniline	ug/L	50		U	U	60
MW-12	4-Nitrophenol	ug/L	50		U	U	60
MW-12	Acenaphthene	ug/L	20		U	U	15
MW-12	Acenaphthylene	ug/L	20		U	U	15
MW-12	Anthracene	ug/L	20		U	U	15
MW-12	Benzo(a)anthracene	ug/L	20		U	U	15
MW-12	Benzo(a)pyrene	ug/L	20		U	U	15
MW-12	Benzo(b)fluoranthene	ug/L	20		U	U	15
MW-12	Benzo(g,h,i)perylene	ug/L	20		U	U	15
MW-12	Benzo(k)fluoranthene	ug/L	20		U	U	15
MW-12	bis(2-Chloroethoxy)methane	ug/L	20		U	U	15
MW-12	bis(2-Chloroethyl) ether	ug/L	20		U	U	15
MW-12	bis(2-Ethylhexyl)phthalate	ug/L	20		U	U	15
MW-12	Butylbenzylphthalate	ug/L	20		U	U	15
MW-12	Carbazole	ug/L	20		U	U	15
MW-12	Chrysene	ug/L	20		U	U	15
MW-12	Di-n-butylphthalate	ug/L	20		U	U	15
MW-12	Di-n-octylphthalate	ug/L	20		U	U	15
MW-12	Dibenzo(a,h)anthracene	ug/L	20		U	U	15
MW-12	Dibenzofuran	ug/L	20		U	U	15

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-12	Diethylphthalate	ug/L	20		U	U	15
MW-12	Dimethylphthalate	ug/L	20		U	U	15
MW-12	Fluoranthene	ug/L	20		U	U	15
MW-12	Fluorene	ug/L	20		U	U	15
MW-12	Hexachlorobenzene	ug/L	20		U	U	15
MW-12	Hexachlorobutadiene	ug/L	20		U	U	15
MW-12	Hexachlorocyclopentadiene	ug/L	20		U	U	15
MW-12	Hexachloroethane	ug/L	20		U	U	15
MW-12	Indeno(1,2,3-cd)pyrene	ug/L	20		U	U	15
MW-12	Isophorone	ug/L	20		U	U	15
MW-12	N-Nitroso-di-n-propylamine	ug/L	20		U	U	15
MW-12	N-Nitrosodiphenylamine	ug/L	20		U	U	15
MW-12	Naphthalene	ug/L	20		U	U	15
MW-12	Nitrobenzene	ug/L	20		U	U	15
MW-12	Pentachlorophenol	ug/L	50		U	U	60
MW-12	Phenanthrene	ug/L	20		U	U	15
MW-12	Phenol	ug/L	25	14	J		15
MW-12	Pyrene	ug/L	20		U	U	15
MW-13	1,2,4-Trichlorobenzene	ug/L	10		U	UJ	5.0
MW-13	1,2-Dichlorobenzene	ug/L	10		U	U	1.0
MW-13	1,3-Dichlorobenzene	ug/L	10		U	U	1.0
MW-13	1,4-Dichlorobenzene	ug/L	10		U	U	1.0
MW-13	2,2'-oxybis(1-Chloropropane)	ug/L	10		U	UJ	5.0
MW-13	2,4,5-Trichlorophenol	ug/L	25		U	UJ	20
MW-13	2,4,6-Trichlorophenol	ug/L	10		U	UJ	5.0
MW-13	2,4-Dichlorophenol	ug/L	10		U	UJ	5.0
MW-13	2,4-Dimethylphenol	ug/L	10		U	UJ	5.0
MW-13	2,4-Dinitrophenol	ug/L	25		U	UJ	20
MW-13	2,4-Dinitrotoluene	ug/L	10		U	UJ	5.0
MW-13	2,6-Dinitrotoluene	ug/L	10		U	UJ	5.0
MW-13	2-Chloronaphthalene	ug/L	10		U	UJ	5.0
MW-13	2-Chlorophenol	ug/L	10		U	UJ	5.0
MW-13	2-Methylnaphthalene	ug/L	10		U	UJ	5.0
MW-13	2-Methylphenol	ug/L	10		U	UJ	5.0
MW-13	2-Nitroaniline	ug/L	25		U	UJ	20
MW-13	2-Nitrophenol	ug/L	10		U	UJ	5.0
MW-13	3,3'-Dichlorobenzidine	ug/L	10		U	UJ	5.0
MW-13	3-Nitroaniline	ug/L	25		U	UJ	20
MW-13	4,6-Dinitro-2-methylphenol	ug/L	25		U	UJ	20
MW-13	4-Bromophenyl-phenylether	ug/L	10		U	UJ	5.0
MW-13	4-Chloro-3-methylphenol	ug/L	10		U	UJ	5.0
MW-13	4-Chloroaniline	ug/L	10		U	UJ	5.0
MW-13	4-Chlorophenyl-phenyl ether	ug/L	10		U	UJ	5.0
MW-13	4-Methylphenol	ug/L	10		U	UJ	5.0
MW-13	4-Nitroaniline	ug/L	25		U	UJ	20
MW-13	4-Nitrophenol	ug/L	25		U	UJ	20
MW-13	Acenaphthene	ug/L	10		U	UJ	5.0
MW-13	Acenaphthylene	ug/L	10		U	UJ	5.0
MW-13	Anthracene	ug/L	10		U	UJ	5.0

BOLD = Exceedance
NA = Not Available

Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-13	Benzo(a)anthracene	ug/L	10		U	UJ	5.0
MW-13	Benzo(a)pyrene	ug/L	10		U	UJ	5.0
MW-13	Benzo(b)fluoranthene	ug/L	10		U	UJ	5.0
MW-13	Benzo(g,h,i)perylene	ug/L	10		U	UJ	5.0
MW-13	Benzo(k)fluoranthene	ug/L	10		U	UJ	5.0
MW-13	bis(2-Chloroethoxy)methane	ug/L	10		U	UJ	5.0
MW-13	bis(2-Chloroethyl) ether	ug/L	10		U	UJ	5.0
MW-13	bis(2-Ethylhexyl)phthalate	ug/L	17		U	UJ	5.0
MW-13	Butylbenzylphthalate	ug/L	10		U	UJ	5.0
MW-13	Carbazole	ug/L	10		U	UJ	5.0
MW-13	Chrysene	ug/L	10		U	UJ	5.0
MW-13	Di-n-butylphthalate	ug/L	10		U	UJ	5.0
MW-13	Di-n-octylphthalate	ug/L	10		U	UJ	5.0
MW-13	Dibenzo(a,h)anthracene	ug/L	10		U	UJ	5.0
MW-13	Dibenzofuran	ug/L	10		U	UJ	5.0
MW-13	Diethylphthalate	ug/L	10		U	UJ	5.0
MW-13	Dimethylphthalate	ug/L	10		U	UJ	5.0
MW-13	Fluoranthene	ug/L	10		U	UJ	5.0
MW-13	Fluorene	ug/L	10		U	UJ	5.0
MW-13	Hexachlorobenzene	ug/L	10		U	UJ	5.0
MW-13	Hexachlorobutadiene	ug/L	10		U	UJ	5.0
MW-13	Hexachlorocyclopentadiene	ug/L	10		U	UJ	5.0
MW-13	Hexachloroethane	ug/L	10		U	UJ	5.0
MW-13	Indeno(1,2,3-cd)pyrene	ug/L	10		U	UJ	5.0
MW-13	Isophorone	ug/L	10		U	UJ	5.0
MW-13	N-Nitroso-di-n-propylamine	ug/L	10		U	UJ	5.0
MW-13	N-Nitrosodiphenylamine	ug/L	10		U	UJ	5.0
MW-13	Naphthalene	ug/L	10		U	UJ	5.0
MW-13	Nitrobenzene	ug/L	10		U	UJ	5.0
MW-13	Pentachlorophenol	ug/L	25		U	UJ	20
MW-13	Phenanthrene	ug/L	10		U	UJ	5.0
MW-13	Phenol	ug/L	23	12		J	5.0
MW-13	Pyrene	ug/L	10		U	UJ	5.0
MW-14	1,2,4-Trichlorobenzene	ug/L	10		U		5.0
MW-14	1,2-Dichlorobenzene	ug/L	10		U		5.0
MW-14	1,3-Dichlorobenzene	ug/L	10		U		5.0
MW-14	1,4-Dichlorobenzene	ug/L	10		U		5.0
MW-14	2,2'-oxybis(1-Chloropropane)	ug/L	10		U		5.0
MW-14	2,4,5-Trichlorophenol	ug/L	25		U		20
MW-14	2,4,6-Trichlorophenol	ug/L	10		U		5.0
MW-14	2,4-Dichlorophenol	ug/L	10		U		5.0
MW-14	2,4-Dimethylphenol	ug/L	10		U		5.0
MW-14	2,4-Dinitrophenol	ug/L	25		U		20
MW-14	2,4-Dinitrotoluene	ug/L	10		U		5.0
MW-14	2,6-Dinitrotoluene	ug/L	10		U		5.0
MW-14	2-Chloronaphthalene	ug/L	10		U		5.0
MW-14	2-Chlorophenol	ug/L	10		U		5.0
MW-14	2-Methylnaphthalene	ug/L	10		U		5.0
MW-14	2-Methylphenol	ug/L	10		U		5.0

BOLD = Exceedance
NA = Not Available

Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-14	2-Nitroaniline	ug/L	25		U		20
MW-14	2-Nitrophenol	ug/L	10		U		5.0
MW-14	3,3'-Dichlorobenzidine	ug/L	10		U		5.0
MW-14	3-Nitroaniline	ug/L	25		U		20
MW-14	4,6-Dinitro-2-methylphenol	ug/L	25		U		20
MW-14	4-Bromophenyl-phenylether	ug/L	10		U		5.0
MW-14	4-Chloro-3-methylphenol	ug/L	10		U		5.0
MW-14	4-Chloroaniline	ug/L	10		U		5.0
MW-14	4-Chlorophenyl-phenyl ether	ug/L	10		U		5.0
MW-14	4-Methylphenol	ug/L	10		U		5.0
MW-14	4-Nitroaniline	ug/L	25		U		20
MW-14	4-Nitrophenol	ug/L	25		U		20
MW-14	Acenaphthene	ug/L	10		U		5.0
MW-14	Acenaphthylene	ug/L	10		U		5.0
MW-14	Anthracene	ug/L	10		U		5.0
MW-14	Benzo(a)anthracene	ug/L	10		U		5.0
MW-14	Benzo(a)pyrene	ug/L	10		U		5.0
MW-14	Benzo(b)fluoranthene	ug/L	10		U		5.0
MW-14	Benzo(g,h,i)perylene	ug/L	10		U		5.0
MW-14	Benzo(k)fluoranthene	ug/L	10		U		5.0
MW-14	bis(2-Chloroethoxy)methane	ug/L	10		U		5.0
MW-14	bis(2-Chloroethyl) ether	ug/L	12		U		5.0
MW-14	bis(2-Ethylhexyl)phthalate	ug/L	11		U		5.0
MW-14	Butylbenzylphthalate	ug/L	10		U		5.0
MW-14	Carbazole	ug/L	10		U		5.0
MW-14	Chrysene	ug/L	10		U		5.0
MW-14	Di-n-butylphthalate	ug/L	10		U		5.0
MW-14	Di-n-octylphthalate	ug/L	10		U		5.0
MW-14	Dibenzo(a,h)anthracene	ug/L	10		U		5.0
MW-14	Dibenzofuran	ug/L	10		U		5.0
MW-14	Diethylphthalate	ug/L	10	1.0	J		5.0
MW-14	Dimethylphthalate	ug/L	10		U		5.0
MW-14	Fluoranthene	ug/L	10		U		5.0
MW-14	Fluorene	ug/L	10		U		5.0
MW-14	Hexachlorobenzene	ug/L	10		U		5.0
MW-14	Hexachlorobutadiene	ug/L	10		U		5.0
MW-14	Hexachlorocyclopentadiene	ug/L	10		U	UJ	5.0
MW-14	Hexachloroethane	ug/L	10		U		5.0
MW-14	Indeno(1,2,3-cd)pyrene	ug/L	10		U		5.0
MW-14	Isophorone	ug/L	10		U		5.0
MW-14	N-Nitroso-di-n-propylamine	ug/L	10		U	UJ	5.0
MW-14	N-Nitrosodiphenylamine	ug/L	10		U		5.0
MW-14	Naphthalene	ug/L	10		U		5.0
MW-14	Nitrobenzene	ug/L	10		U		5.0
MW-14	Pentachlorophenol	ug/L	25		U		20
MW-14	Phenanthrene	ug/L	10		U		5.0
MW-14	Phenol	ug/L	18	**20**			5.0
MW-14	Pyrene	ug/L	10		U		5.0
MW-15	1,2,4-Trichlorobenzene	ug/L	10		U	U	5.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-15	1,2-Dichlorobenzene	ug/L	10		U	U	1.0
MW-15	1,3-Dichlorobenzene	ug/L	10		U	U	1.0
MW-15	1,4-Dichlorobenzene	ug/L	10		U	U	1.0
MW-15	2,2'-oxybis(1-Chloropropane)	ug/L	10		U	U	5.0
MW-15	2,4,5-Trichlorophenol	ug/L	25		U	U	20
MW-15	2,4,6-Trichlorophenol	ug/L	10		U	U	5.0
MW-15	2,4-Dichlorophenol	ug/L	10		U	U	5.0
MW-15	2,4-Dimethylphenol	ug/L	10		U	U	5.0
MW-15	2,4-Dinitrophenol	ug/L	25		U	U	20
MW-15	2,4-Dinitrotoluene	ug/L	10		U	U	5.0
MW-15	2,6-Dinitrotoluene	ug/L	10		U	U	5.0
MW-15	2-Chloronaphthalene	ug/L	10		U	U	5.0
MW-15	2-Chlorophenol	ug/L	10		U	U	5.0
MW-15	2-Methylnaphthalene	ug/L	10		U	U	5.0
MW-15	2-Methylphenol	ug/L	10		U	U	5.0
MW-15	2-Nitroaniline	ug/L	25		U	U	20
MW-15	2-Nitrophenol	ug/L	10		U	U	5.0
MW-15	3,3'-Dichlorobenzidine	ug/L	10		U	U	5.0
MW-15	3-Nitroaniline	ug/L	25		U	U	20
MW-15	4,6-Dinitro-2-methylphenol	ug/L	25		U	U	20
MW-15	4-Bromophenyl-phenylether	ug/L	10		U	U	5.0
MW-15	4-Chloro-3-methylphenol	ug/L	10		U	U	5.0
MW-15	4-Chloroaniline	ug/L	10		U	U	5.0
MW-15	4-Chlorophenyl-phenyl ether	ug/L	10		U	U	5.0
MW-15	4-Methylphenol	ug/L	10		U	U	5.0
MW-15	4-Nitroaniline	ug/L	25		U	U	20
MW-15	4-Nitrophenol	ug/L	25		U	U	20
MW-15	Acenaphthene	ug/L	10		U	U	5.0
MW-15	Acenaphthylene	ug/L	10		U	U	5.0
MW-15	Anthracene	ug/L	10		U	U	5.0
MW-15	Benzo(a)anthracene	ug/L	10		U	U	5.0
MW-15	Benzo(a)pyrene	ug/L	10		U	U	5.0
MW-15	Benzo(b)fluoranthene	ug/L	10		U	U	5.0
MW-15	Benzo(g,h,i)perylene	ug/L	10		U	U	5.0
MW-15	Benzo(k)fluoranthene	ug/L	10		U	U	5.0
MW-15	bis(2-Chloroethoxy)methane	ug/L	10		U	U	5.0
MW-15	bis(2-Chloroethyl) ether	ug/L	10		U	U	5.0
MW-15	bis(2-Ethylhexyl)phthalate	ug/L	27	6.0			5.0
MW-15	Butylbenzylphthalate	ug/L	10		U	U	5.0
MW-15	Carbazole	ug/L	10		U	U	5.0
MW-15	Chrysene	ug/L	10		U	U	5.0
MW-15	Di-n-butylphthalate	ug/L	10		U	U	5.0
MW-15	Di-n-octylphthalate	ug/L	10		U	U	5.0
MW-15	Dibenzo(a,h)anthracene	ug/L	10		U	U	5.0
MW-15	Dibenzofuran	ug/L	10		U	U	5.0
MW-15	Diethylphthalate	ug/L	10		U	U	5.0
MW-15	Dimethylphthalate	ug/L	10		U	U	5.0
MW-15	Fluoranthene	ug/L	10		U	U	5.0
MW-15	Fluorene	ug/L	10		U	U	5.0

BOLD = Exceedance
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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-15	Hexachlorobenzene	ug/L	10		U	U	5.0
MW-15	Hexachlorobutadiene	ug/L	10		U	U	5.0
MW-15	Hexachlorocyclopentadiene	ug/L	10		U	UJ	5.0
MW-15	Hexachloroethane	ug/L	10		U	U	5.0
MW-15	Indeno(1,2,3-cd)pyrene	ug/L	10		U	U	5.0
MW-15	Isophorone	ug/L	10		U	U	5.0
MW-15	N-Nitroso-di-n-propylamine	ug/L	10		U	U	5.0
MW-15	N-Nitrosodiphenylamine	ug/L	10		U	U	5.0
MW-15	Naphthalene	ug/L	10		U	U	5.0
MW-15	Nitrobenzene	ug/L	10		U	U	5.0
MW-15	Pentachlorophenol	ug/L	25		U	U	20
MW-15	Phenanthrene	ug/L	10		U	U	5.0
MW-15	Phenol	ug/L	26	10			5.0
MW-15	Pyrene	ug/L	10		U	U	5.0
MW-18	1,2,4-Trichlorobenzene	ug/L	10		U	U	5.0
MW-18	1,2-Dichlorobenzene	ug/L	10		U	U	1.0
MW-18	1,3-Dichlorobenzene	ug/L	10		U	U	1.0
MW-18	1,4-Dichlorobenzene	ug/L	10		U	U	1.0
MW-18	2,2'-oxybis(1-Chloropropane)	ug/L	10		U	U	5.0
MW-18	2,4,5-Trichlorophenol	ug/L	25		U	U	20
MW-18	2,4,6-Trichlorophenol	ug/L	10		U	U	5.0
MW-18	2,4-Dichlorophenol	ug/L	10		U	U	5.0
MW-18	2,4-Dimethylphenol	ug/L	10		U	U	5.0
MW-18	2,4-Dinitrophenol	ug/L	25		U	U	20
MW-18	2,4-Dinitrotoluene	ug/L	10		U	U	5.0
MW-18	2,6-Dinitrotoluene	ug/L	10		U	U	5.0
MW-18	2-Chloronaphthalene	ug/L	10		U	U	5.0
MW-18	2-Chlorophenol	ug/L	10		U	U	5.0
MW-18	2-Methylnaphthalene	ug/L	10		U	U	5.0
MW-18	2-Methylphenol	ug/L	10		U	U	5.0
MW-18	2-Nitroaniline	ug/L	25		U	U	20
MW-18	2-Nitrophenol	ug/L	10		U	U	5.0
MW-18	3,3'-Dichlorobenzidine	ug/L	10		U	U	5.0
MW-18	3-Nitroaniline	ug/L	25		U	U	20
MW-18	4,6-Dinitro-2-methylphenol	ug/L	25		U	U	20
MW-18	4-Bromophenyl-phenylether	ug/L	10		U	U	5.0
MW-18	4-Chloro-3-methylphenol	ug/L	10		U	U	5.0
MW-18	4-Chloroaniline	ug/L	10		U	U	5.0
MW-18	4-Chlorophenyl-phenyl ether	ug/L	10		U	U	5.0
MW-18	4-Methylphenol	ug/L	10		U	U	5.0
MW-18	4-Nitroaniline	ug/L	25		U	U	20
MW-18	4-Nitrophenol	ug/L	25		U	U	20
MW-18	Acenaphthene	ug/L	10		U	U	5.0
MW-18	Acenaphthylene	ug/L	10		U	U	5.0
MW-18	Anthracene	ug/L	10		U	U	5.0
MW-18	Benzo(a)anthracene	ug/L	10		U	U	5.0
MW-18	Benzo(a)pyrene	ug/L	10		U	U	5.0
MW-18	Benzo(b)fluoranthene	ug/L	10		U	U	5.0
MW-18	Benzo(g,h,i)perylene	ug/L	10		U	U	5.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-18	Benzo(k)fluoranthene	ug/L	10		U	U	5.0
MW-18	bis(2-Chloroethoxy)methane	ug/L	10		U	U	5.0
MW-18	bis(2-Chloroethyl) ether	ug/L	10		U	U	5.0
MW-18	bis(2-Ethylhexyl)phthalate	ug/L	15	2.0	J		5.0
MW-18	Butylbenzylphthalate	ug/L	10		U	U	5.0
MW-18	Carbazole	ug/L	10		U	U	5.0
MW-18	Chrysene	ug/L	10		U	U	5.0
MW-18	Di-n-butylphthalate	ug/L	10		U	U	5.0
MW-18	Di-n-octylphthalate	ug/L	10		U	U	5.0
MW-18	Dibenzo(a,h)anthracene	ug/L	10		U	U	5.0
MW-18	Dibenzofuran	ug/L	10		U	U	5.0
MW-18	Diethylphthalate	ug/L	10		U	U	5.0
MW-18	Dimethylphthalate	ug/L	10		U	U	5.0
MW-18	Fluoranthene	ug/L	10		U	U	5.0
MW-18	Fluorene	ug/L	10		U	U	5.0
MW-18	Hexachlorobenzene	ug/L	10		U	U	5.0
MW-18	Hexachlorobutadiene	ug/L	10		U	U	5.0
MW-18	Hexachlorocyclopentadiene	ug/L	10		U	UJ	5.0
MW-18	Hexachloroethane	ug/L	10		U	U	5.0
MW-18	Indeno(1,2,3-cd)pyrene	ug/L	10		U	U	5.0
MW-18	Isophorone	ug/L	10		U	U	5.0
MW-18	N-Nitroso-di-n-propylamine	ug/L	10		U	U	5.0
MW-18	N-Nitrosodiphenylamine	ug/L	10		U	U	5.0
MW-18	Naphthalene	ug/L	10		U	U	5.0
MW-18	Nitrobenzene	ug/L	10		U	U	5.0
MW-18	Pentachlorophenol	ug/L	25		U	U	20
MW-18	Phenanthrene	ug/L	10		U	U	5.0
MW-18	Phenol	ug/L	21	5.0			5.0
MW-18	Pyrene	ug/L	10		U	U	5.0
MW-19	1,2,4-Trichlorobenzene	ug/L	10		U	U	5.0
MW-19	1,2-Dichlorobenzene	ug/L	10		U	U	1.0
MW-19	1,3-Dichlorobenzene	ug/L	10		U	U	1.0
MW-19	1,4-Dichlorobenzene	ug/L	10		U	U	1.0
MW-19	2,2'-oxybis(1-Chloropropane)	ug/L	10	1.0	J	J	5.0
MW-19	2,4,5-Trichlorophenol	ug/L	25		U	U	20
MW-19	2,4,6-Trichlorophenol	ug/L	10		U	U	5.0
MW-19	2,4-Dichlorophenol	ug/L	10		U	U	5.0
MW-19	2,4-Dimethylphenol	ug/L	10		U	U	5.0
MW-19	2,4-Dinitrophenol	ug/L	25		U	U	20
MW-19	2,4-Dinitrotoluene	ug/L	10		U	U	5.0
MW-19	2,6-Dinitrotoluene	ug/L	10		U	U	5.0
MW-19	2-Chloronaphthalene	ug/L	10		U	U	5.0
MW-19	2-Chlorophenol	ug/L	10		U	U	5.0
MW-19	2-Methylnaphthalene	ug/L	10		U	U	5.0
MW-19	2-Methylphenol	ug/L	10		U	U	5.0
MW-19	2-Nitroaniline	ug/L	25		U	U	20
MW-19	2-Nitrophenol	ug/L	10		U	U	5.0
MW-19	3,3'-Dichlorobenzidine	ug/L	10		U	U	5.0
MW-19	3-Nitroaniline	ug/L	25		U	U	20

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-19	4,6-Dinitro-2-methylphenol	ug/L	25		U	U	20
MW-19	4-Bromophenyl-phenylether	ug/L	10		U	U	5.0
MW-19	4-Chloro-3-methylphenol	ug/L	10		U	U	5.0
MW-19	4-Chloroaniline	ug/L	10		U	U	5.0
MW-19	4-Chlorophenyl-phenyl ether	ug/L	10		U	U	5.0
MW-19	4-Methylphenol	ug/L	10		U	U	5.0
MW-19	4-Nitroaniline	ug/L	25		U	U	20
MW-19	4-Nitrophenol	ug/L	25		U	U	20
MW-19	Acenaphthene	ug/L	10		U	U	5.0
MW-19	Acenaphthylene	ug/L	10		U	U	5.0
MW-19	Anthracene	ug/L	10		U	U	5.0
MW-19	Benzo(a)anthracene	ug/L	10		U	U	5.0
MW-19	Benzo(a)pyrene	ug/L	10		U	U	5.0
MW-19	Benzo(b)fluoranthene	ug/L	10		U	U	5.0
MW-19	Benzo(g,h,i)perylene	ug/L	10		U	U	5.0
MW-19	Benzo(k)fluoranthene	ug/L	10		U	U	5.0
MW-19	bis(2-Chloroethoxy)methane	ug/L	10		U	U	5.0
MW-19	bis(2-Chloroethyl) ether	ug/L	12	11			5.0
MW-19	bis(2-Ethylhexyl)phthalate	ug/L	14		U	U	5.0
MW-19	Butylbenzylphthalate	ug/L	10		U	U	5.0
MW-19	Carbazole	ug/L	10		U	U	5.0
MW-19	Chrysene	ug/L	10		U	U	5.0
MW-19	Di-n-butylphthalate	ug/L	10		U	U	5.0
MW-19	Di-n-octylphthalate	ug/L	10		U	U	5.0
MW-19	Dibenzo(a,h)anthracene	ug/L	10		U	U	5.0
MW-19	Dibenzofuran	ug/L	10		U	U	5.0
MW-19	Diethylphthalate	ug/L	10		U	U	5.0
MW-19	Dimethylphthalate	ug/L	10		U	U	5.0
MW-19	Fluoranthene	ug/L	10		U	U	5.0
MW-19	Fluorene	ug/L	10		U	U	5.0
MW-19	Hexachlorobenzene	ug/L	10		U	U	5.0
MW-19	Hexachlorobutadiene	ug/L	10		U	U	5.0
MW-19	Hexachlorocyclopentadiene	ug/L	10		U	U	5.0
MW-19	Hexachloroethane	ug/L	10		U	U	5.0
MW-19	Indeno(1,2,3-cd)pyrene	ug/L	10		U	U	5.0
MW-19	Isophorone	ug/L	10		U	U	5.0
MW-19	N-Nitroso-di-n-propylamine	ug/L	10		U	U	5.0
MW-19	N-Nitrosodiphenylamine	ug/L	10		U	U	5.0
MW-19	Naphthalene	ug/L	10		U	U	5.0
MW-19	Nitrobenzene	ug/L	10		U	U	5.0
MW-19	Pentachlorophenol	ug/L	25		U	U	20
MW-19	Phenanthrene	ug/L	10		U	U	5.0
MW-19	Phenol	ug/L	31			U	10
MW-19	Pyrene	ug/L	10		U	U	5.0
MW-22	1,2,4-Trichlorobenzene	ug/L	80		U	U	10
MW-22	1,2-Dichlorobenzene	ug/L	80		U	U	1.0
MW-22	1,3-Dichlorobenzene	ug/L	80		U	U	1.0
MW-22	1,4-Dichlorobenzene	ug/L	80		U	U	1.0
MW-22	2,2'-oxybis(1-Chloropropane)	ug/L	80		U	U	10

BOLD = Exceedance
NA = Not Available

Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-22	2,4,5-Trichlorophenol	ug/L	200		U	U	40
MW-22	2,4,6-Trichlorophenol	ug/L	80		U	U	10
MW-22	2,4-Dichlorophenol	ug/L	80		U	U	10
MW-22	2,4-Dimethylphenol	ug/L	80		U	U	10
MW-22	2,4-Dinitrophenol	ug/L	200		U	U	40
MW-22	2,4-Dinitrotoluene	ug/L	80		U	U	10
MW-22	2,6-Dinitrotoluene	ug/L	80		U	U	10
MW-22	2-Chloronaphthalene	ug/L	80		U	U	10
MW-22	2-Chlorophenol	ug/L	80		U	U	10
MW-22	2-Methylnaphthalene	ug/L	80		U	U	10
MW-22	2-Methylphenol	ug/L	80		U	U	10
MW-22	2-Nitroaniline	ug/L	200		U	U	40
MW-22	2-Nitrophenol	ug/L	80		U	U	10
MW-22	3,3'-Dichlorobenzidine	ug/L	80		U	U	10
MW-22	3-Nitroaniline	ug/L	200		U	U	40
MW-22	4,6-Dinitro-2-methylphenol	ug/L	200		U	U	40
MW-22	4-Bromophenyl-phenylether	ug/L	80		U	U	10
MW-22	4-Chloro-3-methylphenol	ug/L	80		U	U	10
MW-22	4-Chloroaniline	ug/L	80		U	U	10
MW-22	4-Chlorophenyl-phenyl ether	ug/L	80		U	U	10
MW-22	4-Methylphenol	ug/L	80		U	U	10
MW-22	4-Nitroaniline	ug/L	200		U	U	40
MW-22	4-Nitrophenol	ug/L	200		U	U	40
MW-22	Acenaphthene	ug/L	80		U	U	10
MW-22	Acenaphthylene	ug/L	80		U	U	10
MW-22	Anthracene	ug/L	80		U	U	10
MW-22	Benzo(a)anthracene	ug/L	80		U	U	10
MW-22	Benzo(a)pyrene	ug/L	80		U	U	10
MW-22	Benzo(b)fluoranthene	ug/L	80		U	U	10
MW-22	Benzo(g,h,i)perylene	ug/L	80		U	U	10
MW-22	Benzo(k)fluoranthene	ug/L	80		U	U	10
MW-22	bis(2-Chloroethoxy)methane	ug/L	80		U	U	10
MW-22	bis(2-Chloroethyl) ether	ug/L	80		U	U	10
MW-22	bis(2-Ethylhexyl)phthalate	ug/L	80	5.0	J		10
MW-22	Butylbenzylphthalate	ug/L	80		U	U	10
MW-22	Carbazole	ug/L	80		U	U	10
MW-22	Chrysene	ug/L	80		U	U	10
MW-22	Di-n-butylphthalate	ug/L	80		U	U	10
MW-22	Di-n-octylphthalate	ug/L	80		U	U	10
MW-22	Dibenzo(a,h)anthracene	ug/L	80		U	U	10
MW-22	Dibenzofuran	ug/L	80		U	U	10
MW-22	Diethylphthalate	ug/L	80		U	U	10
MW-22	Dimethylphthalate	ug/L	80		U	U	10
MW-22	Fluoranthene	ug/L	80		U	U	10
MW-22	Fluorene	ug/L	80		U	U	10
MW-22	Hexachlorobenzene	ug/L	80		U	U	10
MW-22	Hexachlorobutadiene	ug/L	80		U	U	10
MW-22	Hexachlorocyclopentadiene	ug/L	80		U	UJ	10
MW-22	Hexachloroethane	ug/L	80		U	U	10

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-22	Indeno(1,2,3-cd)pyrene	ug/L	80		U	U	10
MW-22	Isophorone	ug/L	80		U	U	10
MW-22	N-Nitroso-di-n-propylamine	ug/L	80		U	UJ	10
MW-22	N-Nitrosodiphenylamine	ug/L	80		U	U	10
MW-22	Naphthalene	ug/L	80		U	U	10
MW-22	Nitrobenzene	ug/L	80		U	U	10
MW-22	Pentachlorophenol	ug/L	200		U	U	40
MW-22	Phenanthrene	ug/L	80		U	U	10
MW-22	Phenol	ug/L	330	140			10
MW-22	Pyrene	ug/L	80		U	U	10
MW-23	1,2,4-Trichlorobenzene	ug/L	10		U	U	5.0
MW-23	1,2-Dichlorobenzene	ug/L	10		U	U	1.0
MW-23	1,3-Dichlorobenzene	ug/L	10		U	U	1.0
MW-23	1,4-Dichlorobenzene	ug/L	10		U	U	1.0
MW-23	2,2'-oxybis(1-Chloropropane)	ug/L	10		U	U	5.0
MW-23	2,4,5-Trichlorophenol	ug/L	25		U	U	20
MW-23	2,4,6-Trichlorophenol	ug/L	10		U	U	5.0
MW-23	2,4-Dichlorophenol	ug/L	10		U	U	5.0
MW-23	2,4-Dimethylphenol	ug/L	10		U	U	5.0
MW-23	2,4-Dinitrophenol	ug/L	25		U	U	20
MW-23	2,4-Dinitrotoluene	ug/L	10		U	U	5.0
MW-23	2,6-Dinitrotoluene	ug/L	10		U	U	5.0
MW-23	2-Chloronaphthalene	ug/L	10		U	U	5.0
MW-23	2-Chlorophenol	ug/L	10		U	U	5.0
MW-23	2-Methylnaphthalene	ug/L	10		U	U	5.0
MW-23	2-Methylphenol	ug/L	10		U	U	5.0
MW-23	2-Nitroaniline	ug/L	25		U	U	20
MW-23	2-Nitrophenol	ug/L	10		U	U	5.0
MW-23	3,3'-Dichlorobenzidine	ug/L	10		U	U	5.0
MW-23	3-Nitroaniline	ug/L	25		U	U	20
MW-23	4,6-Dinitro-2-methylphenol	ug/L	25		U	U	20
MW-23	4-Bromophenyl-phenylether	ug/L	10		U	U	5.0
MW-23	4-Chloro-3-methylphenol	ug/L	10		U	U	5.0
MW-23	4-Chloroaniline	ug/L	10		U	U	5.0
MW-23	4-Chlorophenyl-phenyl ether	ug/L	10		U	U	5.0
MW-23	4-Methylphenol	ug/L	10		U	U	5.0
MW-23	4-Nitroaniline	ug/L	25		U	U	20
MW-23	4-Nitrophenol	ug/L	25		U	U	20
MW-23	Acenaphthene	ug/L	10		U	U	5.0
MW-23	Acenaphthylene	ug/L	10		U	U	5.0
MW-23	Anthracene	ug/L	10		U	U	5.0
MW-23	Benzo(a)anthracene	ug/L	10		U	U	5.0
MW-23	Benzo(a)pyrene	ug/L	10		U	U	5.0
MW-23	Benzo(b)fluoranthene	ug/L	10		U	U	5.0
MW-23	Benzo(g,h,i)perylene	ug/L	10		U	U	5.0
MW-23	Benzo(k)fluoranthene	ug/L	10		U	U	5.0
MW-23	bis(2-Chloroethoxy)methane	ug/L	10		U	U	5.0
MW-23	bis(2-Chloroethyl) ether	ug/L	10		U	U	5.0
MW-23	bis(2-Ethylhexyl)phthalate	ug/L	10		U	U	5.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-23	Butylbenzylphthalate	ug/L	10		U	U	5.0
MW-23	Carbazole	ug/L	10		U	U	5.0
MW-23	Chrysene	ug/L	10		U	U	5.0
MW-23	Di-n-butylphthalate	ug/L	10		U	U	5.0
MW-23	Di-n-octylphthalate	ug/L	10		U	U	5.0
MW-23	Dibenzo(a,h)anthracene	ug/L	10		U	U	5.0
MW-23	Dibenzofuran	ug/L	10		U	U	5.0
MW-23	Diethylphthalate	ug/L	10		U	U	5.0
MW-23	Dimethylphthalate	ug/L	10		U	U	5.0
MW-23	Fluoranthene	ug/L	10		U	U	5.0
MW-23	Fluorene	ug/L	10		U	U	5.0
MW-23	Hexachlorobenzene	ug/L	10		U	U	5.0
MW-23	Hexachlorobutadiene	ug/L	10		U	U	5.0
MW-23	Hexachlorocyclopentadiene	ug/L	10		U	U	5.0
MW-23	Hexachloroethane	ug/L	10		U	U	5.0
MW-23	Indeno(1,2,3-cd)pyrene	ug/L	10		U	U	5.0
MW-23	Isophorone	ug/L	10		U	U	5.0
MW-23	N-Nitroso-di-n-propylamine	ug/L	10		U	U	5.0
MW-23	N-Nitrosodiphenylamine	ug/L	10		U	U	5.0
MW-23	Naphthalene	ug/L	10		U	U	5.0
MW-23	Nitrobenzene	ug/L	10		U	U	5.0
MW-23	Pentachlorophenol	ug/L	25		U	U	20
MW-23	Phenanthrene	ug/L	10		U	U	5.0
MW-23	Phenol	ug/L	30	**38**			5.0
MW-23	Pyrene	ug/L	10		U	U	5.0
MW-24	1,2,4-Trichlorobenzene	ug/L	10		U	UJ	5.0
MW-24	1,2-Dichlorobenzene	ug/L	10		U	U	1.0
MW-24	1,3-Dichlorobenzene	ug/L	10		U	U	1.0
MW-24	1,4-Dichlorobenzene	ug/L	10		U	U	1.0
MW-24	2,2'-oxybis(1-Chloropropane)	ug/L	10		U	UJ	5.0
MW-24	2,4,5-Trichlorophenol	ug/L	25		U	UJ	20
MW-24	2,4,6-Trichlorophenol	ug/L	10		U	UJ	5.0
MW-24	2,4-Dichlorophenol	ug/L	10		U	UJ	5.0
MW-24	2,4-Dimethylphenol	ug/L	10		U	UJ	5.0
MW-24	2,4-Dinitrophenol	ug/L	25		U	UJ	20
MW-24	2,4-Dinitrotoluene	ug/L	10		U	UJ	5.0
MW-24	2,6-Dinitrotoluene	ug/L	10		U	UJ	5.0
MW-24	2-Chloronaphthalene	ug/L	10		U	UJ	5.0
MW-24	2-Chlorophenol	ug/L	10		U	UJ	5.0
MW-24	2-Methylnaphthalene	ug/L	10		U	UJ	5.0
MW-24	2-Methylphenol	ug/L	10		U	UJ	5.0
MW-24	2-Nitroaniline	ug/L	25		U	UJ	20
MW-24	2-Nitrophenol	ug/L	10		U	UJ	5.0
MW-24	3,3'-Dichlorobenzidine	ug/L	10		U	UJ	5.0
MW-24	3-Nitroaniline	ug/L	25		U	UJ	20
MW-24	4,6-Dinitro-2-methylphenol	ug/L	25		U	UJ	20
MW-24	4-Bromophenyl-phenylether	ug/L	10		U	UJ	5.0
MW-24	4-Chloro-3-methylphenol	ug/L	10		U	UJ	5.0
MW-24	4-Chloroaniline	ug/L	10		U	UJ	5.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-24	4-Chlorophenyl-phenyl ether	ug/L	10		U	UJ	5.0
MW-24	4-Methylphenol	ug/L	10		U	UJ	5.0
MW-24	4-Nitroaniline	ug/L	25		U	UJ	20
MW-24	4-Nitrophenol	ug/L	25		U	UJ	20
MW-24	Acenaphthene	ug/L	10		U	UJ	5.0
MW-24	Acenaphthylene	ug/L	10		U	UJ	5.0
MW-24	Anthracene	ug/L	10		U	UJ	5.0
MW-24	Benzo(a)anthracene	ug/L	10		U	UJ	5.0
MW-24	Benzo(a)pyrene	ug/L	10		U	UJ	5.0
MW-24	Benzo(b)fluoranthene	ug/L	10		U	UJ	5.0
MW-24	Benzo(g,h,i)perylene	ug/L	10		U	UJ	5.0
MW-24	Benzo(k)fluoranthene	ug/L	10		U	UJ	5.0
MW-24	bis(2-Chloroethoxy)methane	ug/L	10		U	UJ	5.0
MW-24	bis(2-Chloroethyl) ether	ug/L	10		U	UJ	5.0
MW-24	bis(2-Ethylhexyl)phthalate	ug/L	10		U	UJ	5.0
MW-24	Butylbenzylphthalate	ug/L	10		U	UJ	5.0
MW-24	Carbazole	ug/L	10		U	UJ	5.0
MW-24	Chrysene	ug/L	10		U	UJ	5.0
MW-24	Di-n-butylphthalate	ug/L	10		U	UJ	5.0
MW-24	Di-n-octylphthalate	ug/L	10		U	UJ	5.0
MW-24	Dibenzo(a,h)anthracene	ug/L	10		U	UJ	5.0
MW-24	Dibenzofuran	ug/L	10		U	UJ	5.0
MW-24	Diethylphthalate	ug/L	10		U	UJ	5.0
MW-24	Dimethylphthalate	ug/L	10		U	UJ	5.0
MW-24	Fluoranthene	ug/L	10		U	UJ	5.0
MW-24	Fluorene	ug/L	10		U	UJ	5.0
MW-24	Hexachlorobenzene	ug/L	10		U	UJ	5.0
MW-24	Hexachlorobutadiene	ug/L	10		U	UJ	5.0
MW-24	Hexachlorocyclopentadiene	ug/L	10		U	UJ	5.0
MW-24	Hexachloroethane	ug/L	10		U	UJ	5.0
MW-24	Indeno(1,2,3-cd)pyrene	ug/L	10		U	UJ	5.0
MW-24	Isophorone	ug/L	10		U	UJ	5.0
MW-24	N-Nitroso-di-n-propylamine	ug/L	10		U	UJ	5.0
MW-24	N-Nitrosodiphenylamine	ug/L	10		U	UJ	5.0
MW-24	Naphthalene	ug/L	10		U	UJ	5.0
MW-24	Nitrobenzene	ug/L	10		U	UJ	5.0
MW-24	Pentachlorophenol	ug/L	25		U	UJ	20
MW-24	Phenanthrene	ug/L	10		U	UJ	5.0
MW-24	Phenol	ug/L	16	12		J	5.0
MW-24	Pyrene	ug/L	10		U	UJ	5.0
MW-28	1,2,4-Trichlorobenzene	ug/L	10		U	U	5.0
MW-28	1,2-Dichlorobenzene	ug/L	10		U	U	1.0
MW-28	1,3-Dichlorobenzene	ug/L	10		U	U	1.0
MW-28	1,4-Dichlorobenzene	ug/L	10		U	U	1.0
MW-28	2,2'-oxybis(1-Chloropropane)	ug/L	10		U	U	5.0
MW-28	2,4,5-Trichlorophenol	ug/L	25		U	U	20
MW-28	2,4,6-Trichlorophenol	ug/L	10		U	U	5.0
MW-28	2,4-Dichlorophenol	ug/L	10		U	U	5.0
MW-28	2,4-Dimethylphenol	ug/L	10		U	U	5.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-28	2,4-Dinitrophenol	ug/L	25		U	U	20
MW-28	2,4-Dinitrotoluene	ug/L	10		U	U	5.0
MW-28	2,6-Dinitrotoluene	ug/L	10		U	U	5.0
MW-28	2-Chloronaphthalene	ug/L	10		U	U	5.0
MW-28	2-Chlorophenol	ug/L	10		U	U	5.0
MW-28	2-Methylnaphthalene	ug/L	10		U	U	5.0
MW-28	2-Methylphenol	ug/L	10		U	U	5.0
MW-28	2-Nitroaniline	ug/L	25		U	U	20
MW-28	2-Nitrophenol	ug/L	10		U	U	5.0
MW-28	3,3'-Dichlorobenzidine	ug/L	10		U	U	5.0
MW-28	3-Nitroaniline	ug/L	25		U	U	20
MW-28	4,6-Dinitro-2-methylphenol	ug/L	25		U	U	20
MW-28	4-Bromophenyl-phenylether	ug/L	10		U	U	5.0
MW-28	4-Chloro-3-methylphenol	ug/L	10		U	U	5.0
MW-28	4-Chloroaniline	ug/L	10		U	U	5.0
MW-28	4-Chlorophenyl-phenyl ether	ug/L	10		U	U	5.0
MW-28	4-Methylphenol	ug/L	10		U	U	5.0
MW-28	4-Nitroaniline	ug/L	25		U	U	20
MW-28	4-Nitrophenol	ug/L	25		U	U	20
MW-28	Acenaphthene	ug/L	10		U	U	5.0
MW-28	Acenaphthylene	ug/L	10		U	U	5.0
MW-28	Anthracene	ug/L	10		U	U	5.0
MW-28	Benzo(a)anthracene	ug/L	10		U	U	5.0
MW-28	Benzo(a)pyrene	ug/L	10		U	U	5.0
MW-28	Benzo(b)fluoranthene	ug/L	10		U	U	5.0
MW-28	Benzo(g,h,i)perylene	ug/L	10		U	U	5.0
MW-28	Benzo(k)fluoranthene	ug/L	10		U	U	5.0
MW-28	bis(2-Chloroethoxy)methane	ug/L	10		U	U	5.0
MW-28	bis(2-Chloroethyl) ether	ug/L	10		U	U	5.0
MW-28	bis(2-Ethylhexyl)phthalate	ug/L	19		U	U	5.0
MW-28	Butylbenzylphthalate	ug/L	10		U	U	5.0
MW-28	Carbazole	ug/L	10		U	U	5.0
MW-28	Chrysene	ug/L	10		U	U	5.0
MW-28	Di-n-butylphthalate	ug/L	10		U	U	5.0
MW-28	Di-n-octylphthalate	ug/L	10		U	U	5.0
MW-28	Dibenzo(a,h)anthracene	ug/L	10		U	U	5.0
MW-28	Dibenzofuran	ug/L	10		U	U	5.0
MW-28	Diethylphthalate	ug/L	10		U	U	5.0
MW-28	Dimethylphthalate	ug/L	10		U	U	5.0
MW-28	Fluoranthene	ug/L	10		U	U	5.0
MW-28	Fluorene	ug/L	10		U	U	5.0
MW-28	Hexachlorobenzene	ug/L	10		U	U	5.0
MW-28	Hexachlorobutadiene	ug/L	10		U	U	5.0
MW-28	Hexachlorocyclopentadiene	ug/L	10		U	UJ	5.0
MW-28	Hexachloroethane	ug/L	10		U	U	5.0
MW-28	Indeno(1,2,3-cd)pyrene	ug/L	10		U	U	5.0
MW-28	Isophorone	ug/L	10		U	U	5.0
MW-28	N-Nitroso-di-n-propylamine	ug/L	10		U	U	5.0
MW-28	N-Nitrosodiphenylamine	ug/L	10		U	U	5.0

BOLD = Exceedance
NA = Not Available

Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-28	Naphthalene	ug/L	10		U	U	5.0
MW-28	Nitrobenzene	ug/L	10		U	U	5.0
MW-28	Pentachlorophenol	ug/L	25		U	U	20
MW-28	Phenanthrene	ug/L	10		U	U	5.0
MW-28	Phenol	ug/L	75	9.0			5.0
MW-28	Pyrene	ug/L	10		U	U	5.0
MW-29	1,2,4-Trichlorobenzene	ug/L	10		U	UJ	5.0
MW-29	1,2-Dichlorobenzene	ug/L	10		U	UJ	5.0
MW-29	1,3-Dichlorobenzene	ug/L	10		U	UJ	5.0
MW-29	1,4-Dichlorobenzene	ug/L	10		U	UJ	5.0
MW-29	2,2'-oxybis(1-Chloropropane)	ug/L	10		U	UJ	5.0
MW-29	2,4,5-Trichlorophenol	ug/L	25		U	UJ	20
MW-29	2,4,6-Trichlorophenol	ug/L	10		U	UJ	5.0
MW-29	2,4-Dichlorophenol	ug/L	10		U	UJ	5.0
MW-29	2,4-Dimethylphenol	ug/L	10		U	UJ	5.0
MW-29	2,4-Dinitrophenol	ug/L	25		U	UJ	20
MW-29	2,4-Dinitrotoluene	ug/L	10		U	UJ	5.0
MW-29	2,6-Dinitrotoluene	ug/L	10		U	UJ	5.0
MW-29	2-Chloronaphthalene	ug/L	10		U	UJ	5.0
MW-29	2-Chlorophenol	ug/L	10		U	UJ	5.0
MW-29	2-Methylnaphthalene	ug/L	10		U	UJ	5.0
MW-29	2-Methylphenol	ug/L	10		U	UJ	5.0
MW-29	2-Nitroaniline	ug/L	25		U	UJ	20
MW-29	2-Nitrophenol	ug/L	10		U	UJ	5.0
MW-29	3,3'-Dichlorobenzidine	ug/L	10		U	UJ	5.0
MW-29	3-Nitroaniline	ug/L	25		U	UJ	20
MW-29	4,6-Dinitro-2-methylphenol	ug/L	25		U	UJ	20
MW-29	4-Bromophenyl-phenylether	ug/L	10		U	UJ	5.0
MW-29	4-Chloro-3-methylphenol	ug/L	10		U	UJ	5.0
MW-29	4-Chloroaniline	ug/L	10		U	UJ	5.0
MW-29	4-Chlorophenyl-phenyl ether	ug/L	10		U	UJ	5.0
MW-29	4-Methylphenol	ug/L	10		U	UJ	5.0
MW-29	4-Nitroaniline	ug/L	25		U	UJ	20
MW-29	4-Nitrophenol	ug/L	25		U	UJ	20
MW-29	Acenaphthene	ug/L	10		U	UJ	5.0
MW-29	Acenaphthylene	ug/L	10		U	UJ	5.0
MW-29	Anthracene	ug/L	10		U	UJ	5.0
MW-29	Benzo(a)anthracene	ug/L	10		U	UJ	5.0
MW-29	Benzo(a)pyrene	ug/L	10		U	UJ	5.0
MW-29	Benzo(b)fluoranthene	ug/L	10		U	UJ	5.0
MW-29	Benzo(g,h,i)perylene	ug/L	10		U	UJ	5.0
MW-29	Benzo(k)fluoranthene	ug/L	10		U	UJ	5.0
MW-29	bis(2-Chloroethoxy)methane	ug/L	10		U	UJ	5.0
MW-29	bis(2-Chloroethyl) ether	ug/L	10		U	UJ	5.0
MW-29	bis(2-Ethylhexyl)phthalate	ug/L	27		U	UJ	5.0
MW-29	Butylbenzylphthalate	ug/L	10		U	UJ	5.0
MW-29	Carbazole	ug/L	10		U	UJ	5.0
MW-29	Chrysene	ug/L	10		U	UJ	5.0
MW-29	Di-n-butylphthalate	ug/L	10		U	UJ	5.0

BOLD = Exceedance
NA = Not Available

Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-29	Di-n-octylphthalate	ug/L	10		U	UJ	5.0
MW-29	Dibenzo(a,h)anthracene	ug/L	10		U	UJ	5.0
MW-29	Dibenzofuran	ug/L	10		U	UJ	5.0
MW-29	Diethylphthalate	ug/L	10		U	UJ	5.0
MW-29	Dimethylphthalate	ug/L	10		U	UJ	5.0
MW-29	Fluoranthene	ug/L	10		U	UJ	5.0
MW-29	Fluorene	ug/L	10		U	UJ	5.0
MW-29	Hexachlorobenzene	ug/L	10		U	UJ	5.0
MW-29	Hexachlorobutadiene	ug/L	10		U	UJ	5.0
MW-29	Hexachlorocyclopentadiene	ug/L	10		U	UJ	5.0
MW-29	Hexachloroethane	ug/L	10		U	UJ	5.0
MW-29	Indeno(1,2,3-cd)pyrene	ug/L	10		U	UJ	5.0
MW-29	Isophorone	ug/L	10		U	UJ	5.0
MW-29	N-Nitroso-di-n-propylamine	ug/L	10		U	UJ	5.0
MW-29	N-Nitrosodiphenylamine	ug/L	10		U	UJ	5.0
MW-29	Naphthalene	ug/L	10		U	UJ	5.0
MW-29	Nitrobenzene	ug/L	10		U	UJ	5.0
MW-29	Pentachlorophenol	ug/L	25		U	UJ	20
MW-29	Phenanthrene	ug/L	10		U	UJ	5.0
MW-29	Phenol	ug/L	43		J	UJ	5.0
MW-29	Pyrene	ug/L	10		U	UJ	5.0
MW-30	1,2,4-Trichlorobenzene	ug/L	10		U	UJ	5.0
MW-30	1,2-Dichlorobenzene	ug/L	10		U	U	1.0
MW-30	1,3-Dichlorobenzene	ug/L	10		U	U	1.0
MW-30	1,4-Dichlorobenzene	ug/L	10		U	U	1.0
MW-30	2,2'-oxybis(1-Chloropropane)	ug/L	10		U	UJ	5.0
MW-30	2,4,5-Trichlorophenol	ug/L	25		U	UJ	20
MW-30	2,4,6-Trichlorophenol	ug/L	10		U	UJ	5.0
MW-30	2,4-Dichlorophenol	ug/L	10		U	UJ	5.0
MW-30	2,4-Dimethylphenol	ug/L	10		U	UJ	5.0
MW-30	2,4-Dinitrophenol	ug/L	25		U	UJ	20
MW-30	2,4-Dinitrotoluene	ug/L	10		U	UJ	5.0
MW-30	2,6-Dinitrotoluene	ug/L	10		U	UJ	5.0
MW-30	2-Chloronaphthalene	ug/L	10		U	UJ	5.0
MW-30	2-Chlorophenol	ug/L	10		U	UJ	5.0
MW-30	2-Methylnaphthalene	ug/L	10		U	UJ	5.0
MW-30	2-Methylphenol	ug/L	10		U	UJ	5.0
MW-30	2-Nitroaniline	ug/L	25		U	UJ	20
MW-30	2-Nitrophenol	ug/L	10		U	UJ	5.0
MW-30	3,3'-Dichlorobenzidine	ug/L	10		U	UJ	5.0
MW-30	3-Nitroaniline	ug/L	25		U	UJ	20
MW-30	4,6-Dinitro-2-methylphenol	ug/L	25		U	UJ	20
MW-30	4-Bromophenyl-phenylether	ug/L	10		U	UJ	5.0
MW-30	4-Chloro-3-methylphenol	ug/L	10		U	UJ	5.0
MW-30	4-Chloroaniline	ug/L	10		U	R	5.0
MW-30	4-Chlorophenyl-phenyl ether	ug/L	10		U	UJ	5.0
MW-30	4-Methylphenol	ug/L	10		U	UJ	5.0
MW-30	4-Nitroaniline	ug/L	25		U	UJ	20
MW-30	4-Nitrophenol	ug/L	25		U	UJ	20

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-30	Acenaphthene	ug/L	10		U	UJ	5.0
MW-30	Acenaphthylene	ug/L	10		U	UJ	5.0
MW-30	Anthracene	ug/L	10		U	UJ	5.0
MW-30	Benzo(a)anthracene	ug/L	10		U	UJ	5.0
MW-30	Benzo(a)pyrene	ug/L	10		U	UJ	5.0
MW-30	Benzo(b)fluoranthene	ug/L	10		U	UJ	5.0
MW-30	Benzo(g,h,i)perylene	ug/L	10		U	UJ	5.0
MW-30	Benzo(k)fluoranthene	ug/L	10		U	UJ	5.0
MW-30	bis(2-Chloroethoxy)methane	ug/L	10		U	UJ	5.0
MW-30	bis(2-Chloroethyl) ether	ug/L	10		U	UJ	5.0
MW-30	bis(2-Ethylhexyl)phthalate	ug/L	68		U	UJ	5.0
MW-30	Butylbenzylphthalate	ug/L	10		U	UJ	5.0
MW-30	Carbazole	ug/L	10		U	UJ	5.0
MW-30	Chrysene	ug/L	10		U	UJ	5.0
MW-30	Di-n-butylphthalate	ug/L	10	0.90	J	J	5.0
MW-30	Di-n-octylphthalate	ug/L	10		U	UJ	5.0
MW-30	Dibenzo(a,h)anthracene	ug/L	10		U	UJ	5.0
MW-30	Dibenzofuran	ug/L	10		U	UJ	5.0
MW-30	Diethylphthalate	ug/L	10		U	UJ	5.0
MW-30	Dimethylphthalate	ug/L	10		U	UJ	5.0
MW-30	Fluoranthene	ug/L	10		U	UJ	5.0
MW-30	Fluorene	ug/L	10		U	UJ	5.0
MW-30	Hexachlorobenzene	ug/L	10		U	UJ	5.0
MW-30	Hexachlorobutadiene	ug/L	10		U	UJ	5.0
MW-30	Hexachlorocyclopentadiene	ug/L	10		U	UJ	5.0
MW-30	Hexachloroethane	ug/L	10		U	UJ	5.0
MW-30	Indeno(1,2,3-cd)pyrene	ug/L	10		U	UJ	5.0
MW-30	Isophorone	ug/L	10		U	UJ	5.0
MW-30	N-Nitroso-di-n-propylamine	ug/L	10		U	UJ	5.0
MW-30	N-Nitrosodiphenylamine	ug/L	10		U	UJ	5.0
MW-30	Naphthalene	ug/L	10		U	UJ	5.0
MW-30	Nitrobenzene	ug/L	10		U	UJ	5.0
MW-30	Pentachlorophenol	ug/L	25		U	UJ	20
MW-30	Phenanthrene	ug/L	10		U	UJ	5.0
MW-30	Phenol	ug/L	40	39		J	5.0
MW-30	Pyrene	ug/L	10		U	UJ	5.0
MW-31	1,2,4-Trichlorobenzene	ug/L	20		U	U	5.0
MW-31	1,2-Dichlorobenzene	ug/L	20		U	U	1.0
MW-31	1,3-Dichlorobenzene	ug/L	20		U	U	1.0
MW-31	1,4-Dichlorobenzene	ug/L	20		U	U	1.0
MW-31	2,2'-oxybis(1-Chloropropane)	ug/L	20		U	U	5.0
MW-31	2,4,5-Trichlorophenol	ug/L	50		U	U	20
MW-31	2,4,6-Trichlorophenol	ug/L	20		U	U	5.0
MW-31	2,4-Dichlorophenol	ug/L	20		U	U	5.0
MW-31	2,4-Dimethylphenol	ug/L	20		U	U	5.0
MW-31	2,4-Dinitrophenol	ug/L	50		U	U	20
MW-31	2,4-Dinitrotoluene	ug/L	20		U	U	5.0
MW-31	2,6-Dinitrotoluene	ug/L	20		U	U	5.0
MW-31	2-Chloronaphthalene	ug/L	20		U	U	5.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-31	2-Chlorophenol	ug/L	20		U	U	5.0
MW-31	2-Methylnaphthalene	ug/L	20		U	U	5.0
MW-31	2-Methylphenol	ug/L	20		U	U	5.0
MW-31	2-Nitroaniline	ug/L	50		U	U	20
MW-31	2-Nitrophenol	ug/L	20		U	U	5.0
MW-31	3,3'-Dichlorobenzidine	ug/L	20		U	U	5.0
MW-31	3-Nitroaniline	ug/L	50		U	U	20
MW-31	4,6-Dinitro-2-methylphenol	ug/L	50		U	U	20
MW-31	4-Bromophenyl-phenylether	ug/L	20		U	U	5.0
MW-31	4-Chloro-3-methylphenol	ug/L	20		U	U	5.0
MW-31	4-Chloroaniline	ug/L	20		U	U	5.0
MW-31	4-Chlorophenyl-phenyl ether	ug/L	20		U	U	5.0
MW-31	4-Methylphenol	ug/L	20		U	U	5.0
MW-31	4-Nitroaniline	ug/L	50		U	U	20
MW-31	4-Nitrophenol	ug/L	50		U	U	20
MW-31	Acenaphthene	ug/L	20		U	U	5.0
MW-31	Acenaphthylene	ug/L	20		U	U	5.0
MW-31	Anthracene	ug/L	20		U	U	5.0
MW-31	Benzo(a)anthracene	ug/L	20		U	U	5.0
MW-31	Benzo(a)pyrene	ug/L	20		U	U	5.0
MW-31	Benzo(b)fluoranthene	ug/L	20		U	U	5.0
MW-31	Benzo(g,h,i)perylene	ug/L	20		U	U	5.0
MW-31	Benzo(k)fluoranthene	ug/L	20		U	U	5.0
MW-31	bis(2-Chloroethoxy)methane	ug/L	20		U	U	5.0
MW-31	bis(2-Chloroethyl) ether	ug/L	20		U	U	5.0
MW-31	bis(2-Ethylhexyl)phthalate	ug/L	20		U	U	5.0
MW-31	Butylbenzylphthalate	ug/L	20		U	U	5.0
MW-31	Carbazole	ug/L	20		U	U	5.0
MW-31	Chrysene	ug/L	20		U	U	5.0
MW-31	Di-n-butylphthalate	ug/L	20		U	U	5.0
MW-31	Di-n-octylphthalate	ug/L	20		U	U	5.0
MW-31	Dibenzo(a,h)anthracene	ug/L	20		U	U	5.0
MW-31	Dibenzofuran	ug/L	20		U	U	5.0
MW-31	Diethylphthalate	ug/L	20		U	U	5.0
MW-31	Dimethylphthalate	ug/L	20		U	U	5.0
MW-31	Fluoranthene	ug/L	20		U	U	5.0
MW-31	Fluorene	ug/L	20		U	U	5.0
MW-31	Hexachlorobenzene	ug/L	20		U	U	5.0
MW-31	Hexachlorobutadiene	ug/L	20		U	U	5.0
MW-31	Hexachlorocyclopentadiene	ug/L	20		U	U	5.0
MW-31	Hexachloroethane	ug/L	20		U	U	5.0
MW-31	Indeno(1,2,3-cd)pyrene	ug/L	20		U	U	5.0
MW-31	Isophorone	ug/L	20		U	U	5.0
MW-31	N-Nitroso-di-n-propylamine	ug/L	20		U	U	5.0
MW-31	N-Nitrosodiphenylamine	ug/L	20		U	U	5.0
MW-31	Naphthalene	ug/L	20		U	U	5.0
MW-31	Nitrobenzene	ug/L	20		U	U	5.0
MW-31	Pentachlorophenol	ug/L	50		U	U	20
MW-31	Phenanthrene	ug/L	20		U	U	5.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-31	Phenol	ug/L	130		U	U	5.0
MW-31	Pyrene	ug/L	20		U	U	5.0
MW-32	1,2,4-Trichlorobenzene	ug/L	20		U	U	10
MW-32	1,2-Dichlorobenzene	ug/L	20		U	U	1.0
MW-32	1,3-Dichlorobenzene	ug/L	20		U	U	1.0
MW-32	1,4-Dichlorobenzene	ug/L	20		U	U	1.0
MW-32	2,2'-oxybis(1-Chloropropane)	ug/L	20		U	U	10
MW-32	2,4,5-Trichlorophenol	ug/L	50		U	U	40
MW-32	2,4,6-Trichlorophenol	ug/L	20		U	U	10
MW-32	2,4-Dichlorophenol	ug/L	20		U	U	10
MW-32	2,4-Dimethylphenol	ug/L	20		U	U	10
MW-32	2,4-Dinitrophenol	ug/L	50		U	U	40
MW-32	2,4-Dinitrotoluene	ug/L	20		U	U	10
MW-32	2,6-Dinitrotoluene	ug/L	20		U	U	10
MW-32	2-Chloronaphthalene	ug/L	20		U	U	10
MW-32	2-Chlorophenol	ug/L	20		U	U	10
MW-32	2-Methylnaphthalene	ug/L	20		U	U	10
MW-32	2-Methylphenol	ug/L	20		U	U	10
MW-32	2-Nitroaniline	ug/L	50		U	U	40
MW-32	2-Nitrophenol	ug/L	20		U	U	10
MW-32	3,3'-Dichlorobenzidine	ug/L	20		U	U	10
MW-32	3-Nitroaniline	ug/L	50		U	U	40
MW-32	4,6-Dinitro-2-methylphenol	ug/L	50		U	U	40
MW-32	4-Bromophenyl-phenylether	ug/L	20		U	U	10
MW-32	4-Chloro-3-methylphenol	ug/L	20		U	U	10
MW-32	4-Chloroaniline	ug/L	20		U	U	10
MW-32	4-Chlorophenyl-phenyl ether	ug/L	20		U	U	10
MW-32	4-Methylphenol	ug/L	20		U	U	10
MW-32	4-Nitroaniline	ug/L	50		U	U	40
MW-32	4-Nitrophenol	ug/L	50		U	U	40
MW-32	Acenaphthene	ug/L	20		U	U	10
MW-32	Acenaphthylene	ug/L	20		U	U	10
MW-32	Anthracene	ug/L	20		U	U	10
MW-32	Benzo(a)anthracene	ug/L	20		U	U	10
MW-32	Benzo(a)pyrene	ug/L	20		U	U	10
MW-32	Benzo(b)fluoranthene	ug/L	20		U	U	10
MW-32	Benzo(g,h,i)perylene	ug/L	20		U	U	10
MW-32	Benzo(k)fluoranthene	ug/L	20		U	U	10
MW-32	bis(2-Chloroethoxy)methane	ug/L	20		U	U	10
MW-32	bis(2-Chloroethyl) ether	ug/L	20		U	U	10
MW-32	bis(2-Ethylhexyl)phthalate	ug/L	31	6.0	J	J	10
MW-32	Butylbenzylphthalate	ug/L	20		U	U	10
MW-32	Carbazole	ug/L	20		U	U	10
MW-32	Chrysene	ug/L	20		U	U	10
MW-32	Di-n-butylphthalate	ug/L	20		U	U	10
MW-32	Di-n-octylphthalate	ug/L	20		U	U	10
MW-32	Dibenzo(a,h)anthracene	ug/L	20		U	U	10
MW-32	Dibenzofuran	ug/L	20		U	U	10
MW-32	Diethylphthalate	ug/L	20		U	U	10

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-32	Dimethylphthalate	ug/L	20		U	U	10
MW-32	Fluoranthene	ug/L	20		U	U	10
MW-32	Fluorene	ug/L	20		U	U	10
MW-32	Hexachlorobenzene	ug/L	20		U	U	10
MW-32	Hexachlorobutadiene	ug/L	20		U	U	10
MW-32	Hexachlorocyclopentadiene	ug/L	20		U	U	10
MW-32	Hexachloroethane	ug/L	20		U	U	10
MW-32	Indeno(1,2,3-cd)pyrene	ug/L	20		U	U	10
MW-32	Isophorone	ug/L	20		U	U	10
MW-32	N-Nitroso-di-n-propylamine	ug/L	20		U	U	10
MW-32	N-Nitrosodiphenylamine	ug/L	20		U	U	10
MW-32	Naphthalene	ug/L	20		U	U	10
MW-32	Nitrobenzene	ug/L	20		U	U	10
MW-32	Pentachlorophenol	ug/L	50		U	U	40
MW-32	Phenanthrene	ug/L	20		U	U	10
MW-32	Phenol	ug/L	110	**140**			10
MW-32	Pyrene	ug/L	20		U	U	10
MW-33	1,2,4-Trichlorobenzene	ug/L	20		U	UJ	20
MW-33	1,2-Dichlorobenzene	ug/L	20		U	U	1.0
MW-33	1,3-Dichlorobenzene	ug/L	20		U	U	1.0
MW-33	1,4-Dichlorobenzene	ug/L	20		U	U	1.0
MW-33	2,2'-oxybis(1-Chloropropane)	ug/L	20		U	UJ	20
MW-33	2,4,5-Trichlorophenol	ug/L	50		U	UJ	80
MW-33	2,4,6-Trichlorophenol	ug/L	20		U	UJ	20
MW-33	2,4-Dichlorophenol	ug/L	20		U	UJ	20
MW-33	2,4-Dimethylphenol	ug/L	20		U	UJ	20
MW-33	2,4-Dinitrophenol	ug/L	50		U	UJ	80
MW-33	2,4-Dinitrotoluene	ug/L	20		U	UJ	20
MW-33	2,6-Dinitrotoluene	ug/L	20		U	UJ	20
MW-33	2-Chloronaphthalene	ug/L	20		U	UJ	20
MW-33	2-Chlorophenol	ug/L	20		U	UJ	20
MW-33	2-Methylnaphthalene	ug/L	20		U	UJ	20
MW-33	2-Methylphenol	ug/L	20		U	UJ	20
MW-33	2-Nitroaniline	ug/L	50		U	UJ	80
MW-33	2-Nitrophenol	ug/L	20		U	UJ	20
MW-33	3,3'-Dichlorobenzidine	ug/L	20		U	UJ	20
MW-33	3-Nitroaniline	ug/L	50		U	UJ	80
MW-33	4,6-Dinitro-2-methylphenol	ug/L	50		U	UJ	80
MW-33	4-Bromophenyl-phenylether	ug/L	20		U	UJ	20
MW-33	4-Chloro-3-methylphenol	ug/L	20		U	UJ	20
MW-33	4-Chloroaniline	ug/L	20		U	UJ	20
MW-33	4-Chlorophenyl-phenyl ether	ug/L	20		U	UJ	20
MW-33	4-Methylphenol	ug/L	20		U	UJ	20
MW-33	4-Nitroaniline	ug/L	50		U	UJ	80
MW-33	4-Nitrophenol	ug/L	50		U	UJ	80
MW-33	Acenaphthene	ug/L	20		U	UJ	20
MW-33	Acenaphthylene	ug/L	20		U	UJ	20
MW-33	Anthracene	ug/L	20		U	UJ	20
MW-33	Benzo(a)anthracene	ug/L	20		U	UJ	20

BOLD = Exceedance
NA = Not Available

Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-33	Benzo(a)pyrene	ug/L	20		U	UJ	20
MW-33	Benzo(b)fluoranthene	ug/L	20		U	UJ	20
MW-33	Benzo(g,h,i)perylene	ug/L	20		U	UJ	20
MW-33	Benzo(k)fluoranthene	ug/L	20		U	UJ	20
MW-33	bis(2-Chloroethoxy)methane	ug/L	20		U	UJ	20
MW-33	bis(2-Chloroethyl) ether	ug/L	20		U	UJ	20
MW-33	bis(2-Ethylhexyl)phthalate	ug/L	76		U	UJ	20
MW-33	Butylbenzylphthalate	ug/L	20		U	UJ	20
MW-33	Carbazole	ug/L	20		U	UJ	20
MW-33	Chrysene	ug/L	20		U	UJ	20
MW-33	Di-n-butylphthalate	ug/L	20		U	UJ	20
MW-33	Di-n-octylphthalate	ug/L	20		U	UJ	20
MW-33	Dibenzo(a,h)anthracene	ug/L	20		U	UJ	20
MW-33	Dibenzofuran	ug/L	20		U	UJ	20
MW-33	Diethylphthalate	ug/L	20		U	UJ	20
MW-33	Dimethylphthalate	ug/L	20		U	UJ	20
MW-33	Fluoranthene	ug/L	20		U	UJ	20
MW-33	Fluorene	ug/L	20		U	UJ	20
MW-33	Hexachlorobenzene	ug/L	20		U	UJ	20
MW-33	Hexachlorobutadiene	ug/L	20		U	UJ	20
MW-33	Hexachlorocyclopentadiene	ug/L	20		U	UJ	20
MW-33	Hexachloroethane	ug/L	20		U	UJ	20
MW-33	Indeno(1,2,3-cd)pyrene	ug/L	20		U	UJ	20
MW-33	Isophorone	ug/L	20		U	UJ	20
MW-33	N-Nitroso-di-n-propylamine	ug/L	20		U	UJ	20
MW-33	N-Nitrosodiphenylamine	ug/L	20		U	UJ	20
MW-33	Naphthalene	ug/L	20		U	UJ	20
MW-33	Nitrobenzene	ug/L	20		U	UJ	20
MW-33	Pentachlorophenol	ug/L	50		U	UJ	80
MW-33	Phenanthrene	ug/L	20		U	UJ	20
MW-33	Phenol	ug/L	83	**230**		J	20
MW-33	Pyrene	ug/L	20		U	UJ	20
MW-34	1,2,4-Trichlorobenzene	ug/L	80		U	U	10
MW-34	1,2-Dichlorobenzene	ug/L	80		U	U	1.0
MW-34	1,3-Dichlorobenzene	ug/L	80		U	U	1.0
MW-34	1,4-Dichlorobenzene	ug/L	80		U	U	1.0
MW-34	2,2'-oxybis(1-Chloropropane)	ug/L	80		U	U	10
MW-34	2,4,5-Trichlorophenol	ug/L	200		U		40
MW-34	2,4,6-Trichlorophenol	ug/L	80		U		10
MW-34	2,4-Dichlorophenol	ug/L	80		U	U	10
MW-34	2,4-Dimethylphenol	ug/L	80		U	U	10
MW-34	2,4-Dinitrophenol	ug/L	200		U	UJ	40
MW-34	2,4-Dinitrotoluene	ug/L	80		U		10
MW-34	2,6-Dinitrotoluene	ug/L	80		U		10
MW-34	2-Chloronaphthalene	ug/L	80		U		10
MW-34	2-Chlorophenol	ug/L	80		U	U	10
MW-34	2-Methylnaphthalene	ug/L	80		U		10
MW-34	2-Methylphenol	ug/L	80		U	U	10
MW-34	2-Nitroaniline	ug/L	200		U		40

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-34	2-Nitrophenol	ug/L	80		U	U	10
MW-34	3,3'-Dichlorobenzidine	ug/L	80		U		10
MW-34	3-Nitroaniline	ug/L	200		U		40
MW-34	4,6-Dinitro-2-methylphenol	ug/L	200		U		40
MW-34	4-Bromophenyl-phenylether	ug/L	80		U		10
MW-34	4-Chloro-3-methylphenol	ug/L	80		U	U	10
MW-34	4-Chloroaniline	ug/L	80		U	U	10
MW-34	4-Chlorophenyl-phenyl ether	ug/L	80		U		10
MW-34	4-Methylphenol	ug/L	80		U	U	10
MW-34	4-Nitroaniline	ug/L	200		U		40
MW-34	4-Nitrophenol	ug/L	200		U		40
MW-34	Acenaphthene	ug/L	80		U		10
MW-34	Acenaphthylene	ug/L	80		U		10
MW-34	Anthracene	ug/L	80		U		10
MW-34	Benzo(a)anthracene	ug/L	80		U		10
MW-34	Benzo(a)pyrene	ug/L	80		U		10
MW-34	Benzo(b)fluoranthene	ug/L	80		U		10
MW-34	Benzo(g,h,i)perylene	ug/L	80		U		10
MW-34	Benzo(k)fluoranthene	ug/L	80		U		10
MW-34	bis(2-Chloroethoxy)methane	ug/L	80		U	U	10
MW-34	bis(2-Chloroethyl) ether	ug/L	80		U	U	10
MW-34	bis(2-Ethylhexyl)phthalate	ug/L	80	13			10
MW-34	Butylbenzylphthalate	ug/L	80		U		10
MW-34	Carbazole	ug/L	80		U		10
MW-34	Chrysene	ug/L	80		U		10
MW-34	Di-n-butylphthalate	ug/L	80		U		10
MW-34	Di-n-octylphthalate	ug/L	80		U		10
MW-34	Dibenzo(a,h)anthracene	ug/L	80		U		10
MW-34	Dibenzofuran	ug/L	80		U		10
MW-34	Diethylphthalate	ug/L	80		U		10
MW-34	Dimethylphthalate	ug/L	80		U		10
MW-34	Fluoranthene	ug/L	80		U		10
MW-34	Fluorene	ug/L	80		U		10
MW-34	Hexachlorobenzene	ug/L	80		U		10
MW-34	Hexachlorobutadiene	ug/L	80		U	U	10
MW-34	Hexachlorocyclopentadiene	ug/L	80		U	UJ	10
MW-34	Hexachloroethane	ug/L	80		U	U	10
MW-34	Indeno(1,2,3-cd)pyrene	ug/L	80		U		10
MW-34	Isophorone	ug/L	80		U	U	10
MW-34	N-Nitroso-di-n-propylamine	ug/L	80		U	UJ	10
MW-34	N-Nitrosodiphenylamine	ug/L	80		U		10
MW-34	Naphthalene	ug/L	80		U	U	10
MW-34	Nitrobenzene	ug/L	80		U	U	10
MW-34	Pentachlorophenol	ug/L	200		U		40
MW-34	Phenanthrene	ug/L	80		U		10
MW-34	Phenol	ug/L	340	96			10
MW-34	Pyrene	ug/L	80		U		10
MW-36	1,2,4-Trichlorobenzene	ug/L	30		U	U	5.0
MW-36	1,2-Dichlorobenzene	ug/L	30		U	U	1.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-36	1,3-Dichlorobenzene	ug/L	30		U	U	1.0
MW-36	1,4-Dichlorobenzene	ug/L	30		U	U	1.0
MW-36	2,2'-oxybis(1-Chloropropane)	ug/L	30		U	U	5.0
MW-36	2,4,5-Trichlorophenol	ug/L	75		U	U	20
MW-36	2,4,6-Trichlorophenol	ug/L	30		U	U	5.0
MW-36	2,4-Dichlorophenol	ug/L	30		U	U	5.0
MW-36	2,4-Dimethylphenol	ug/L	30		U	U	5.0
MW-36	2,4-Dinitrophenol	ug/L	75		U	U	20
MW-36	2,4-Dinitrotoluene	ug/L	30		U	U	5.0
MW-36	2,6-Dinitrotoluene	ug/L	30		U	U	5.0
MW-36	2-Chloronaphthalene	ug/L	30		U	U	5.0
MW-36	2-Chlorophenol	ug/L	30		U	U	5.0
MW-36	2-Methylnaphthalene	ug/L	30		U	U	5.0
MW-36	2-Methylphenol	ug/L	30		U	U	5.0
MW-36	2-Nitroaniline	ug/L	75		U	U	20
MW-36	2-Nitrophenol	ug/L	30		U	U	5.0
MW-36	3,3'-Dichlorobenzidine	ug/L	30		U	U	5.0
MW-36	3-Nitroaniline	ug/L	75		U	U	20
MW-36	4,6-Dinitro-2-methylphenol	ug/L	75		U	U	20
MW-36	4-Bromophenyl-phenylether	ug/L	30		U	U	5.0
MW-36	4-Chloro-3-methylphenol	ug/L	30		U	U	5.0
MW-36	4-Chloroaniline	ug/L	30		U	U	5.0
MW-36	4-Chlorophenyl-phenyl ether	ug/L	30		U	U	5.0
MW-36	4-Methylphenol	ug/L	30		U	U	5.0
MW-36	4-Nitroaniline	ug/L	75		U	U	20
MW-36	4-Nitrophenol	ug/L	75		U	U	20
MW-36	Acenaphthene	ug/L	30		U	U	5.0
MW-36	Acenaphthylene	ug/L	30		U	U	5.0
MW-36	Anthracene	ug/L	30		U	U	5.0
MW-36	Benzo(a)anthracene	ug/L	30		U	U	5.0
MW-36	Benzo(a)pyrene	ug/L	30		U	U	5.0
MW-36	Benzo(b)fluoranthene	ug/L	30		U	U	5.0
MW-36	Benzo(g,h,i)perylene	ug/L	30		U	U	5.0
MW-36	Benzo(k)fluoranthene	ug/L	30		U	U	5.0
MW-36	bis(2-Chloroethoxy)methane	ug/L	30		U	U	5.0
MW-36	bis(2-Chloroethyl) ether	ug/L	30		U	U	5.0
MW-36	bis(2-Ethylhexyl)phthalate	ug/L	56		U	U	5.0
MW-36	Butylbenzylphthalate	ug/L	30		U	U	5.0
MW-36	Carbazole	ug/L	30		U	U	5.0
MW-36	Chrysene	ug/L	30		U	U	5.0
MW-36	Di-n-butylphthalate	ug/L	30		U	U	5.0
MW-36	Di-n-octylphthalate	ug/L	30		U	U	5.0
MW-36	Dibenzo(a,h)anthracene	ug/L	30		U	U	5.0
MW-36	Dibenzofuran	ug/L	30		U	U	5.0
MW-36	Diethylphthalate	ug/L	30		U	U	5.0
MW-36	Dimethylphthalate	ug/L	30		U	U	5.0
MW-36	Fluoranthene	ug/L	30		U	U	5.0
MW-36	Fluorene	ug/L	30		U	U	5.0
MW-36	Hexachlorobenzene	ug/L	30		U	U	5.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-36	Hexachlorobutadiene	ug/L	30		U	U	5.0
MW-36	Hexachlorocyclopentadiene	ug/L	30		U	U	5.0
MW-36	Hexachloroethane	ug/L	30		U	U	5.0
MW-36	Indeno(1,2,3-cd)pyrene	ug/L	30		U	U	5.0
MW-36	Isophorone	ug/L	30		U	U	5.0
MW-36	N-Nitroso-di-n-propylamine	ug/L	30		U	U	5.0
MW-36	N-Nitrosodiphenylamine	ug/L	30		U	U	5.0
MW-36	Naphthalene	ug/L	30		U	U	5.0
MW-36	Nitrobenzene	ug/L	30		U	U	5.0
MW-36	Pentachlorophenol	ug/L	75		U	U	20
MW-36	Phenanthrene	ug/L	30		U	U	5.0
MW-36	Phenol	ug/L	240	48			5.0
MW-36	Pyrene	ug/L	30		U	U	5.0
MW-37	1,2,4-Trichlorobenzene	ug/L	10		U	U	5.0
MW-37	1,2-Dichlorobenzene	ug/L	10		U	U	1.0
MW-37	1,3-Dichlorobenzene	ug/L	10		U	U	1.0
MW-37	1,4-Dichlorobenzene	ug/L	10		U	U	1.0
MW-37	2,2'-oxybis(1-Chloropropane)	ug/L	10		U	U	5.0
MW-37	2,4,5-Trichlorophenol	ug/L	25		U	U	20
MW-37	2,4,6-Trichlorophenol	ug/L	10		U	U	5.0
MW-37	2,4-Dichlorophenol	ug/L	10		U	U	5.0
MW-37	2,4-Dimethylphenol	ug/L	10		U	U	5.0
MW-37	2,4-Dinitrophenol	ug/L	25		U	U	20
MW-37	2,4-Dinitrotoluene	ug/L	10		U	U	5.0
MW-37	2,6-Dinitrotoluene	ug/L	10		U	U	5.0
MW-37	2-Chloronaphthalene	ug/L	10		U	U	5.0
MW-37	2-Chlorophenol	ug/L	10		U	U	5.0
MW-37	2-Methylnaphthalene	ug/L	10		U	U	5.0
MW-37	2-Methylphenol	ug/L	10		U	U	5.0
MW-37	2-Nitroaniline	ug/L	25		U	U	20
MW-37	2-Nitrophenol	ug/L	10		U	U	5.0
MW-37	3,3'-Dichlorobenzidine	ug/L	10		U	U	5.0
MW-37	3-Nitroaniline	ug/L	25		U	U	20
MW-37	4,6-Dinitro-2-methylphenol	ug/L	25		U	U	20
MW-37	4-Bromophenyl-phenylether	ug/L	10		U	U	5.0
MW-37	4-Chloro-3-methylphenol	ug/L	10		U	U	5.0
MW-37	4-Chloroaniline	ug/L	10		U	U	5.0
MW-37	4-Chlorophenyl-phenyl ether	ug/L	10		U	U	5.0
MW-37	4-Methylphenol	ug/L	10		U	U	5.0
MW-37	4-Nitroaniline	ug/L	25		U	U	20
MW-37	4-Nitrophenol	ug/L	25		U	U	20
MW-37	Acenaphthene	ug/L	10		U	U	5.0
MW-37	Acenaphthylene	ug/L	10		U	U	5.0
MW-37	Anthracene	ug/L	10		U	U	5.0
MW-37	Benzo(a)anthracene	ug/L	10		U	U	5.0
MW-37	Benzo(a)pyrene	ug/L	10		U	U	5.0
MW-37	Benzo(b)fluoranthene	ug/L	10		U	U	5.0
MW-37	Benzo(g,h,i)perylene	ug/L	10		U	U	5.0
MW-37	Benzo(k)fluoranthene	ug/L	10		U	U	5.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-37	bis(2-Chloroethoxy)methane	ug/L	10		U	U	5.0
MW-37	bis(2-Chloroethyl) ether	ug/L	10		U	U	5.0
MW-37	bis(2-Ethylhexyl)phthalate	ug/L	34		U	U	5.0
MW-37	Butylbenzylphthalate	ug/L	10		U	U	5.0
MW-37	Carbazole	ug/L	10		U	U	5.0
MW-37	Chrysene	ug/L	10		U	U	5.0
MW-37	Di-n-butylphthalate	ug/L	10		U	U	5.0
MW-37	Di-n-octylphthalate	ug/L	10		U	U	5.0
MW-37	Dibenzo(a,h)anthracene	ug/L	10		U	U	5.0
MW-37	Dibenzofuran	ug/L	10		U	U	5.0
MW-37	Diethylphthalate	ug/L	10		U	U	5.0
MW-37	Dimethylphthalate	ug/L	10		U	U	5.0
MW-37	Fluoranthene	ug/L	10		U	U	5.0
MW-37	Fluorene	ug/L	10		U	U	5.0
MW-37	Hexachlorobenzene	ug/L	10		U	U	5.0
MW-37	Hexachlorobutadiene	ug/L	10		U	U	5.0
MW-37	Hexachlorocyclopentadiene	ug/L	10		U	U	5.0
MW-37	Hexachloroethane	ug/L	10		U	U	5.0
MW-37	Indeno(1,2,3-cd)pyrene	ug/L	10		U	U	5.0
MW-37	Isophorone	ug/L	10		U	U	5.0
MW-37	N-Nitroso-di-n-propylamine	ug/L	10		U	U	5.0
MW-37	N-Nitrosodiphenylamine	ug/L	10		U	U	5.0
MW-37	Naphthalene	ug/L	10		U	U	5.0
MW-37	Nitrobenzene	ug/L	10		U	U	5.0
MW-37	Pentachlorophenol	ug/L	25		U	U	20
MW-37	Phenanthrene	ug/L	10		U	U	5.0
MW-37	Phenol	ug/L	23	12			5.0
MW-37	Pyrene	ug/L	10		U	U	5.0
MW-38	1,2,4-Trichlorobenzene	ug/L	10		U	U	5.0
MW-38	1,2-Dichlorobenzene	ug/L	10		U	U	1.0
MW-38	1,3-Dichlorobenzene	ug/L	10		U	U	1.0
MW-38	1,4-Dichlorobenzene	ug/L	10		U	U	1.0
MW-38	2,2'-oxybis(1-Chloropropane)	ug/L	10		U	U	5.0
MW-38	2,4,5-Trichlorophenol	ug/L	25		U	U	20
MW-38	2,4,6-Trichlorophenol	ug/L	10		U	U	5.0
MW-38	2,4-Dichlorophenol	ug/L	10		U	U	5.0
MW-38	2,4-Dimethylphenol	ug/L	10		U	U	5.0
MW-38	2,4-Dinitrophenol	ug/L	25		U	U	20
MW-38	2,4-Dinitrotoluene	ug/L	10		U	U	5.0
MW-38	2,6-Dinitrotoluene	ug/L	10		U	U	5.0
MW-38	2-Chloronaphthalene	ug/L	10		U	U	5.0
MW-38	2-Chlorophenol	ug/L	10		U	U	5.0
MW-38	2-Methylnaphthalene	ug/L	10		U	U	5.0
MW-38	2-Methylphenol	ug/L	10		U	U	5.0
MW-38	2-Nitroaniline	ug/L	25		U	U	20
MW-38	2-Nitrophenol	ug/L	10		U	U	5.0
MW-38	3,3'-Dichlorobenzidine	ug/L	10		U	U	5.0
MW-38	3-Nitroaniline	ug/L	25		U	U	20
MW-38	4,6-Dinitro-2-methylphenol	ug/L	25		U	U	20

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-38	4-Bromophenyl-phenylether	ug/L	10		U	U	5.0
MW-38	4-Chloro-3-methylphenol	ug/L	10		U	U	5.0
MW-38	4-Chloroaniline	ug/L	10		U	U	5.0
MW-38	4-Chlorophenyl-phenyl ether	ug/L	10		U	U	5.0
MW-38	4-Methylphenol	ug/L	10		U	U	5.0
MW-38	4-Nitroaniline	ug/L	25		U	U	20
MW-38	4-Nitrophenol	ug/L	25		U	U	20
MW-38	Acenaphthene	ug/L	10		U	U	5.0
MW-38	Acenaphthylene	ug/L	10		U	U	5.0
MW-38	Anthracene	ug/L	10		U	U	5.0
MW-38	Benzo(a)anthracene	ug/L	10		U	U	5.0
MW-38	Benzo(a)pyrene	ug/L	10		U	U	5.0
MW-38	Benzo(b)fluoranthene	ug/L	10		U	U	5.0
MW-38	Benzo(g,h,i)perylene	ug/L	10		U	U	5.0
MW-38	Benzo(k)fluoranthene	ug/L	10		U	U	5.0
MW-38	bis(2-Chloroethoxy)methane	ug/L	10		U	U	5.0
MW-38	bis(2-Chloroethyl) ether	ug/L	10		U	U	5.0
MW-38	bis(2-Ethylhexyl)phthalate	ug/L	10		U	U	5.0
MW-38	Butylbenzylphthalate	ug/L	10		U	U	5.0
MW-38	Carbazole	ug/L	10		U	U	5.0
MW-38	Chrysene	ug/L	10		U	U	5.0
MW-38	Di-n-butylphthalate	ug/L	10		U	U	5.0
MW-38	Di-n-octylphthalate	ug/L	10		U	U	5.0
MW-38	Dibenzo(a,h)anthracene	ug/L	10		U	U	5.0
MW-38	Dibenzofuran	ug/L	10		U	U	5.0
MW-38	Diethylphthalate	ug/L	10		U	U	5.0
MW-38	Dimethylphthalate	ug/L	10		U	U	5.0
MW-38	Fluoranthene	ug/L	10		U	U	5.0
MW-38	Fluorene	ug/L	10		U	U	5.0
MW-38	Hexachlorobenzene	ug/L	10		U	U	5.0
MW-38	Hexachlorobutadiene	ug/L	10		U	U	5.0
MW-38	Hexachlorocyclopentadiene	ug/L	10		U	UJ	5.0
MW-38	Hexachloroethane	ug/L	10		U	U	5.0
MW-38	Indeno(1,2,3-cd)pyrene	ug/L	10		U	U	5.0
MW-38	Isophorone	ug/L	10		U	U	5.0
MW-38	N-Nitroso-di-n-propylamine	ug/L	10		U	U	5.0
MW-38	N-Nitrosodiphenylamine	ug/L	10		U	U	5.0
MW-38	Naphthalene	ug/L	10		U	U	5.0
MW-38	Nitrobenzene	ug/L	10		U	U	5.0
MW-38	Pentachlorophenol	ug/L	25		U	U	20
MW-38	Phenanthrene	ug/L	10		U	U	5.0
MW-38	Phenol	ug/L	13	6.0			5.0
MW-38	Pyrene	ug/L	10		U	U	5.0
MW-39	1,2,4-Trichlorobenzene	ug/L	10		U	U	5.0
MW-39	1,2-Dichlorobenzene	ug/L	10		U	U	1.0
MW-39	1,3-Dichlorobenzene	ug/L	10		U	U	1.0
MW-39	1,4-Dichlorobenzene	ug/L	10		U	U	1.0
MW-39	2,2'-oxybis(1-Chloropropane)	ug/L	10		U	U	5.0
MW-39	2,4,5-Trichlorophenol	ug/L	25		U	U	20

BOLD = Exceedance
NA = Not Available

Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-39	2,4,6-Trichlorophenol	ug/L	10		U	U	5.0
MW-39	2,4-Dichlorophenol	ug/L	10		U	U	5.0
MW-39	2,4-Dimethylphenol	ug/L	10		U	U	5.0
MW-39	2,4-Dinitrophenol	ug/L	25		U	U	20
MW-39	2,4-Dinitrotoluene	ug/L	10		U	U	5.0
MW-39	2,6-Dinitrotoluene	ug/L	10		U	U	5.0
MW-39	2-Chloronaphthalene	ug/L	10		U	U	5.0
MW-39	2-Chlorophenol	ug/L	10		U	U	5.0
MW-39	2-Methylnaphthalene	ug/L	10		U	U	5.0
MW-39	2-Methylphenol	ug/L	10		U	U	5.0
MW-39	2-Nitroaniline	ug/L	25		U	U	20
MW-39	2-Nitrophenol	ug/L	10		U	U	5.0
MW-39	3,3'-Dichlorobenzidine	ug/L	10		U	U	5.0
MW-39	3-Nitroaniline	ug/L	25		U	U	20
MW-39	4,6-Dinitro-2-methylphenol	ug/L	25		U	U	20
MW-39	4-Bromophenyl-phenylether	ug/L	10		U	U	5.0
MW-39	4-Chloro-3-methylphenol	ug/L	10		U	U	5.0
MW-39	4-Chloroaniline	ug/L	10		U	U	5.0
MW-39	4-Chlorophenyl-phenyl ether	ug/L	10		U	U	5.0
MW-39	4-Methylphenol	ug/L	10		U	U	5.0
MW-39	4-Nitroaniline	ug/L	25		U	U	20
MW-39	4-Nitrophenol	ug/L	25		U	U	20
MW-39	Acenaphthene	ug/L	10		U	U	5.0
MW-39	Acenaphthylene	ug/L	10		U	U	5.0
MW-39	Anthracene	ug/L	10		U	U	5.0
MW-39	Benzo(a)anthracene	ug/L	10		U	U	5.0
MW-39	Benzo(a)pyrene	ug/L	10		U	U	5.0
MW-39	Benzo(b)fluoranthene	ug/L	10		U	U	5.0
MW-39	Benzo(g,h,i)perylene	ug/L	10		U	U	5.0
MW-39	Benzo(k)fluoranthene	ug/L	10		U	U	5.0
MW-39	bis(2-Chloroethoxy)methane	ug/L	10		U	U	5.0
MW-39	bis(2-Chloroethyl) ether	ug/L	10		U	U	5.0
MW-39	bis(2-Ethylhexyl)phthalate	ug/L	18		U	U	5.0
MW-39	Butylbenzylphthalate	ug/L	10		U	U	5.0
MW-39	Carbazole	ug/L	10		U	U	5.0
MW-39	Chrysene	ug/L	10		U	U	5.0
MW-39	Di-n-butylphthalate	ug/L	10		U	U	5.0
MW-39	Di-n-octylphthalate	ug/L	10		U	U	5.0
MW-39	Dibenzo(a,h)anthracene	ug/L	10		U	U	5.0
MW-39	Dibenzofuran	ug/L	10		U	U	5.0
MW-39	Diethylphthalate	ug/L	10		U	U	5.0
MW-39	Dimethylphthalate	ug/L	10		U	U	5.0
MW-39	Fluoranthene	ug/L	10		U	U	5.0
MW-39	Fluorene	ug/L	10		U	U	5.0
MW-39	Hexachlorobenzene	ug/L	10		U	U	5.0
MW-39	Hexachlorobutadiene	ug/L	10		U	U	5.0
MW-39	Hexachlorocyclopentadiene	ug/L	10		U	UJ	5.0
MW-39	Hexachloroethane	ug/L	10		U	U	5.0
MW-39	Indeno(1,2,3-cd)pyrene	ug/L	10		U	U	5.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-39	Isophorone	ug/L	10		U	U	5.0
MW-39	N-Nitroso-di-n-propylamine	ug/L	10		U	U	5.0
MW-39	N-Nitrosodiphenylamine	ug/L	10		U	U	5.0
MW-39	Naphthalene	ug/L	10		U	U	5.0
MW-39	Nitrobenzene	ug/L	10		U	U	5.0
MW-39	Pentachlorophenol	ug/L	25		U	U	20
MW-39	Phenanthrene	ug/L	10		U	U	5.0
MW-39	Phenol	ug/L	33	10			5.0
MW-39	Pyrene	ug/L	10		U	U	5.0
MW-40	1,2,4-Trichlorobenzene	ug/L	10			U	5.0
MW-40	1,2,4-Trichlorobenzene	ug/L	10			U	1.0
MW-40	1,2-Dichlorobenzene	ug/L	10			U	1.0
MW-40	1,3-Dichlorobenzene	ug/L	10			U	1.0
MW-40	1,4-Dichlorobenzene	ug/L	10			U	1.0
MW-40	2,2'-oxybis(1-Chloropropane)	ug/L	10			U	5.0
MW-40	2,4,5-Trichlorophenol	ug/L	25			U	20
MW-40	2,4,6-Trichlorophenol	ug/L	10			U	5.0
MW-40	2,4-Dichlorophenol	ug/L	10			U	5.0
MW-40	2,4-Dimethylphenol	ug/L	10			U	5.0
MW-40	2,4-Dinitrophenol	ug/L	25			U	20
MW-40	2,4-Dinitrotoluene	ug/L	10			U	5.0
MW-40	2,6-Dinitrotoluene	ug/L	10			U	5.0
MW-40	2-Chloronaphthalene	ug/L	10			U	5.0
MW-40	2-Chlorophenol	ug/L	10			U	5.0
MW-40	2-Methylnaphthalene	ug/L	10			U	5.0
MW-40	2-Methylphenol	ug/L	10			U	5.0
MW-40	2-Nitroaniline	ug/L	25			U	20
MW-40	2-Nitrophenol	ug/L	10			U	5.0
MW-40	3,3'-Dichlorobenzidine	ug/L	10			U	5.0
MW-40	3-Nitroaniline	ug/L	25			U	20
MW-40	4,6-Dinitro-2-methylphenol	ug/L	25			U	20
MW-40	4-Bromophenyl-phenylether	ug/L	10			U	5.0
MW-40	4-Chloro-3-methylphenol	ug/L	10			U	5.0
MW-40	4-Chloroaniline	ug/L	10			U	5.0
MW-40	4-Chlorophenyl-phenyl ether	ug/L	10			U	5.0
MW-40	4-Methylphenol	ug/L	10			U	5.0
MW-40	4-Nitroaniline	ug/L	25			U	20
MW-40	4-Nitrophenol	ug/L	25			U	20
MW-40	Acenaphthene	ug/L	10			U	5.0
MW-40	Acenaphthylene	ug/L	10			U	5.0
MW-40	Anthracene	ug/L	10			U	5.0
MW-40	Benzo(a)anthracene	ug/L	10			U	5.0
MW-40	Benzo(a)pyrene	ug/L	10			U	5.0
MW-40	Benzo(b)fluoranthene	ug/L	10			U	5.0
MW-40	Benzo(g,h,i)perylene	ug/L	10			U	5.0
MW-40	Benzo(k)fluoranthene	ug/L	10			U	5.0
MW-40	bis(2-Chloroethoxy)methane	ug/L	10			U	5.0
MW-40	bis(2-Chloroethyl) ether	ug/L	10			U	5.0
MW-40	bis(2-Ethylhexyl)phthalate	ug/L	13			U	5.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-40	Butylbenzylphthalate	ug/L	10			U	5.0
MW-40	Carbazole	ug/L	10			U	5.0
MW-40	Chrysene	ug/L	10			U	5.0
MW-40	Di-n-butylphthalate	ug/L	10			U	5.0
MW-40	Di-n-octylphthalate	ug/L	10			U	5.0
MW-40	Dibenzo(a,h)anthracene	ug/L	10			U	5.0
MW-40	Dibenzofuran	ug/L	10			U	5.0
MW-40	Diethylphthalate	ug/L	10			U	5.0
MW-40	Dimethylphthalate	ug/L	10	2.9			NA
MW-40	Fluoranthene	ug/L	10			U	5.0
MW-40	Fluorene	ug/L	10			U	5.0
MW-40	Hexachlorobenzene	ug/L	10			U	5.0
MW-40	Hexachlorobutadiene	ug/L	10			U	1.0
MW-40	Hexachlorobutadiene	ug/L	10			U	5.0
MW-40	Hexachlorocyclopentadiene	ug/L	10			UJ	5.0
MW-40	Hexachloroethane	ug/L	10			U	5.0
MW-40	Indeno(1,2,3-cd)pyrene	ug/L	10			U	5.0
MW-40	Isophorone	ug/L	10			U	5.0
MW-40	N-Nitroso-di-n-propylamine	ug/L	10			U	5.0
MW-40	N-Nitrosodiphenylamine	ug/L	10			U	5.0
MW-40	Naphthalene	ug/L	10			U	5.0
MW-40	Naphthalene	ug/L	10			U	1.0
MW-40	Nitrobenzene	ug/L	10			U	5.0
MW-40	Pentachlorophenol	ug/L	25			U	20
MW-40	Phenanthrene	ug/L	10			U	5.0
MW-40	Phenol	ug/L	15	**18**			NA
MW-40	Pyrene	ug/L	10			U	5.0
MW-41	1,2,4-Trichlorobenzene	ug/L	10		U	U	5.0
MW-41	1,2-Dichlorobenzene	ug/L	10		U	U	1.0
MW-41	1,3-Dichlorobenzene	ug/L	10		U	U	1.0
MW-41	1,4-Dichlorobenzene	ug/L	10		U	U	1.0
MW-41	2,2'-oxybis(1-Chloropropane)	ug/L	10		U	U	5.0
MW-41	2,4,5-Trichlorophenol	ug/L	25		U	U	20
MW-41	2,4,6-Trichlorophenol	ug/L	10		U	U	5.0
MW-41	2,4-Dichlorophenol	ug/L	10		U	U	5.0
MW-41	2,4-Dimethylphenol	ug/L	10		U	U	5.0
MW-41	2,4-Dinitrophenol	ug/L	25		U	U	20
MW-41	2,4-Dinitrotoluene	ug/L	10		U	U	5.0
MW-41	2,6-Dinitrotoluene	ug/L	10		U	U	5.0
MW-41	2-Chloronaphthalene	ug/L	10		U	U	5.0
MW-41	2-Chlorophenol	ug/L	10		U	U	5.0
MW-41	2-Methylnaphthalene	ug/L	10		U	U	5.0
MW-41	2-Methylphenol	ug/L	10		U	U	5.0
MW-41	2-Nitroaniline	ug/L	25		U	U	20
MW-41	2-Nitrophenol	ug/L	10		U	U	5.0
MW-41	3,3'-Dichlorobenzidine	ug/L	10		U	U	5.0
MW-41	3-Nitroaniline	ug/L	25		U	U	20
MW-41	4,6-Dinitro-2-methylphenol	ug/L	25		U	U	20
MW-41	4-Bromophenyl-phenylether	ug/L	10		U	U	5.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-41	4-Chloro-3-methylphenol	ug/L	10		U	U	5.0
MW-41	4-Chloroaniline	ug/L	10		U	U	5.0
MW-41	4-Chlorophenyl-phenyl ether	ug/L	10		U	U	5.0
MW-41	4-Methylphenol	ug/L	10		U	U	5.0
MW-41	4-Nitroaniline	ug/L	25		U	U	20
MW-41	4-Nitrophenol	ug/L	25		U	U	20
MW-41	Acenaphthene	ug/L	10		U	U	5.0
MW-41	Acenaphthylene	ug/L	10		U	U	5.0
MW-41	Anthracene	ug/L	10		U	U	5.0
MW-41	Benzo(a)anthracene	ug/L	10		U	U	5.0
MW-41	Benzo(a)pyrene	ug/L	10		U	U	5.0
MW-41	Benzo(b)fluoranthene	ug/L	10		U	U	5.0
MW-41	Benzo(g,h,i)perylene	ug/L	10		U	U	5.0
MW-41	Benzo(k)fluoranthene	ug/L	10		U	U	5.0
MW-41	bis(2-Chloroethoxy)methane	ug/L	10		U	U	5.0
MW-41	bis(2-Chloroethyl) ether	ug/L	10		U	U	5.0
MW-41	bis(2-Ethylhexyl)phthalate	ug/L	10		U	U	5.0
MW-41	Butylbenzylphthalate	ug/L	10		U	U	5.0
MW-41	Carbazole	ug/L	10		U	U	5.0
MW-41	Chrysene	ug/L	10		U	U	5.0
MW-41	Di-n-butylphthalate	ug/L	10	0.50	J	J	5.0
MW-41	Di-n-octylphthalate	ug/L	10		U	U	5.0
MW-41	Dibenzo(a,h)anthracene	ug/L	10		U	U	5.0
MW-41	Dibenzofuran	ug/L	10		U	U	5.0
MW-41	Diethylphthalate	ug/L	10		U	U	5.0
MW-41	Dimethylphthalate	ug/L	10		U	U	5.0
MW-41	Fluoranthene	ug/L	10		U	U	5.0
MW-41	Fluorene	ug/L	10		U	U	5.0
MW-41	Hexachlorobenzene	ug/L	10		U	U	5.0
MW-41	Hexachlorobutadiene	ug/L	10		U	U	5.0
MW-41	Hexachlorocyclopentadiene	ug/L	10		U	U	5.0
MW-41	Hexachloroethane	ug/L	10		U	U	5.0
MW-41	Indeno(1,2,3-cd)pyrene	ug/L	10		U	U	5.0
MW-41	Isophorone	ug/L	10		U	U	5.0
MW-41	N-Nitroso-di-n-propylamine	ug/L	10		U	U	5.0
MW-41	N-Nitrosodiphenylamine	ug/L	10		U	U	5.0
MW-41	Naphthalene	ug/L	10		U	U	5.0
MW-41	Nitrobenzene	ug/L	10		U	U	5.0
MW-41	Pentachlorophenol	ug/L	25		U	U	20
MW-41	Phenanthrene	ug/L	10		U	U	5.0
MW-41	Phenol	ug/L	34		U	U	5.0
MW-41	Pyrene	ug/L	10		U	U	5.0
MW-42	1,2,4-Trichlorobenzene	ug/L	10		U	U	5.0
MW-42	1,2-Dichlorobenzene	ug/L	10		U	U	1.0
MW-42	1,3-Dichlorobenzene	ug/L	10		U	U	1.0
MW-42	1,4-Dichlorobenzene	ug/L	10		U	U	1.0
MW-42	2,2'-oxybis(1-Chloropropane)	ug/L	10		U	U	5.0
MW-42	2,4,5-Trichlorophenol	ug/L	25		U	U	20
MW-42	2,4,6-Trichlorophenol	ug/L	10		U	U	5.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-42	2,4-Dichlorophenol	ug/L	10		U	U	5.0
MW-42	2,4-Dimethylphenol	ug/L	10		U	U	5.0
MW-42	2,4-Dinitrophenol	ug/L	25		U	U	20
MW-42	2,4-Dinitrotoluene	ug/L	10		U	U	5.0
MW-42	2,6-Dinitrotoluene	ug/L	10		U	U	5.0
MW-42	2-Chloronaphthalene	ug/L	10		U	U	5.0
MW-42	2-Chlorophenol	ug/L	10		U	U	5.0
MW-42	2-Methylnaphthalene	ug/L	10		U	U	5.0
MW-42	2-Methylphenol	ug/L	10		U	U	5.0
MW-42	2-Nitroaniline	ug/L	25		U	U	20
MW-42	2-Nitrophenol	ug/L	10		U	U	5.0
MW-42	3,3'-Dichlorobenzidine	ug/L	10		U	U	5.0
MW-42	3-Nitroaniline	ug/L	25		U	U	20
MW-42	4,6-Dinitro-2-methylphenol	ug/L	25		U	U	20
MW-42	4-Bromophenyl-phenylether	ug/L	10		U	U	5.0
MW-42	4-Chloro-3-methylphenol	ug/L	10		U	U	5.0
MW-42	4-Chloroaniline	ug/L	10		U	U	5.0
MW-42	4-Chlorophenyl-phenyl ether	ug/L	10		U	U	5.0
MW-42	4-Methylphenol	ug/L	10		U	U	5.0
MW-42	4-Nitroaniline	ug/L	25		U	U	20
MW-42	4-Nitrophenol	ug/L	25		U	U	20
MW-42	Acenaphthene	ug/L	10		U	U	5.0
MW-42	Acenaphthylene	ug/L	10		U	U	5.0
MW-42	Anthracene	ug/L	10		U	U	5.0
MW-42	Benzo(a)anthracene	ug/L	10		U	U	5.0
MW-42	Benzo(a)pyrene	ug/L	10		U	U	5.0
MW-42	Benzo(b)fluoranthene	ug/L	10		U	U	5.0
MW-42	Benzo(g,h,i)perylene	ug/L	10		U	U	5.0
MW-42	Benzo(k)fluoranthene	ug/L	10		U	U	5.0
MW-42	bis(2-Chloroethoxy)methane	ug/L	10		U	U	5.0
MW-42	bis(2-Chloroethyl) ether	ug/L	10		U	U	5.0
MW-42	bis(2-Ethylhexyl)phthalate	ug/L	10		U	U	5.0
MW-42	Butylbenzylphthalate	ug/L	10		U	U	5.0
MW-42	Carbazole	ug/L	10		U	U	5.0
MW-42	Chrysene	ug/L	10		U	U	5.0
MW-42	Di-n-butylphthalate	ug/L	10		U	U	5.0
MW-42	Di-n-octylphthalate	ug/L	10		U	U	5.0
MW-42	Dibenzo(a,h)anthracene	ug/L	10		U	U	5.0
MW-42	Dibenzofuran	ug/L	10		U	U	5.0
MW-42	Diethylphthalate	ug/L	10		U	U	5.0
MW-42	Dimethylphthalate	ug/L	10		U	U	5.0
MW-42	Fluoranthene	ug/L	10		U	U	5.0
MW-42	Fluorene	ug/L	10		U	U	5.0
MW-42	Hexachlorobenzene	ug/L	10		U	U	5.0
MW-42	Hexachlorobutadiene	ug/L	10		U	U	5.0
MW-42	Hexachlorocyclopentadiene	ug/L	10		U	U	5.0
MW-42	Hexachloroethane	ug/L	10		U	U	5.0
MW-42	Indeno(1,2,3-cd)pyrene	ug/L	10		U	U	5.0
MW-42	Isophorone	ug/L	10		U	U	5.0

BOLD = Exceedance
NA = Not Available

Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-42	N-Nitroso-di-n-propylamine	ug/L	10		U	U	5.0
MW-42	N-Nitrosodiphenylamine	ug/L	10		U	U	5.0
MW-42	Naphthalene	ug/L	10		U	U	5.0
MW-42	Nitrobenzene	ug/L	10		U	U	5.0
MW-42	Pentachlorophenol	ug/L	25		U	U	20
MW-42	Phenanthrene	ug/L	10		U	U	5.0
MW-42	Phenol	ug/L	41		J	U	5.0
MW-42	Pyrene	ug/L	10		U	U	5.0
MW-43	1,2,4-Trichlorobenzene	ug/L	20		U	U	5.0
MW-43	1,2-Dichlorobenzene	ug/L	20		U	U	1.0
MW-43	1,3-Dichlorobenzene	ug/L	20		U	U	1.0
MW-43	1,4-Dichlorobenzene	ug/L	20		U	U	1.0
MW-43	2,2'-oxybis(1-Chloropropane)	ug/L	20		U	U	5.0
MW-43	2,4,5-Trichlorophenol	ug/L	50		U	U	20
MW-43	2,4,6-Trichlorophenol	ug/L	20		U	U	5.0
MW-43	2,4-Dichlorophenol	ug/L	20		U	U	5.0
MW-43	2,4-Dimethylphenol	ug/L	20		U	U	5.0
MW-43	2,4-Dinitrophenol	ug/L	50		U	U	20
MW-43	2,4-Dinitrotoluene	ug/L	20		U	U	5.0
MW-43	2,6-Dinitrotoluene	ug/L	20		U	U	5.0
MW-43	2-Chloronaphthalene	ug/L	20		U	U	5.0
MW-43	2-Chlorophenol	ug/L	20		U	U	5.0
MW-43	2-Methylnaphthalene	ug/L	20		U	U	5.0
MW-43	2-Methylphenol	ug/L	20		U	U	5.0
MW-43	2-Nitroaniline	ug/L	50		U	U	20
MW-43	2-Nitrophenol	ug/L	20		U	U	5.0
MW-43	3,3'-Dichlorobenzidine	ug/L	20		U	U	5.0
MW-43	3-Nitroaniline	ug/L	50		U	U	20
MW-43	4,6-Dinitro-2-methylphenol	ug/L	50		U	U	20
MW-43	4-Bromophenyl-phenylether	ug/L	20		U	U	5.0
MW-43	4-Chloro-3-methylphenol	ug/L	20		U	U	5.0
MW-43	4-Chloroaniline	ug/L	20		U	U	5.0
MW-43	4-Chlorophenyl-phenyl ether	ug/L	20		U	U	5.0
MW-43	4-Methylphenol	ug/L	20		U	U	5.0
MW-43	4-Nitroaniline	ug/L	50		U	U	20
MW-43	4-Nitrophenol	ug/L	50		U	U	20
MW-43	Acenaphthene	ug/L	20		U	U	5.0
MW-43	Acenaphthylene	ug/L	20		U	U	5.0
MW-43	Anthracene	ug/L	20		U	U	5.0
MW-43	Benzo(a)anthracene	ug/L	20		U	U	5.0
MW-43	Benzo(a)pyrene	ug/L	20		U	U	5.0
MW-43	Benzo(b)fluoranthene	ug/L	20		U	U	5.0
MW-43	Benzo(g,h,i)perylene	ug/L	20		U	U	5.0
MW-43	Benzo(k)fluoranthene	ug/L	20		U	U	5.0
MW-43	bis(2-Chloroethoxy)methane	ug/L	20		U	U	5.0
MW-43	bis(2-Chloroethyl) ether	ug/L	20		U	U	5.0
MW-43	bis(2-Ethylhexyl)phthalate	ug/L	20		U	U	5.0
MW-43	Butylbenzylphthalate	ug/L	20		U	U	5.0
MW-43	Carbazole	ug/L	20		U	U	5.0

BOLD = Exceedance
NA = Not Available

Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-43	Chrysene	ug/L	20		U	U	5.0
MW-43	Di-n-butylphthalate	ug/L	20		U	U	5.0
MW-43	Di-n-octylphthalate	ug/L	20		U	U	5.0
MW-43	Dibenzo(a,h)anthracene	ug/L	20		U	U	5.0
MW-43	Dibenzofuran	ug/L	20		U	U	5.0
MW-43	Diethylphthalate	ug/L	20		U	U	5.0
MW-43	Dimethylphthalate	ug/L	20		U	U	5.0
MW-43	Fluoranthene	ug/L	20		U	U	5.0
MW-43	Fluorene	ug/L	20		U	U	5.0
MW-43	Hexachlorobenzene	ug/L	20		U	U	5.0
MW-43	Hexachlorobutadiene	ug/L	20		U	U	5.0
MW-43	Hexachlorocyclopentadiene	ug/L	20		U	U	5.0
MW-43	Hexachloroethane	ug/L	20		U	U	5.0
MW-43	Indeno(1,2,3-cd)pyrene	ug/L	20		U	U	5.0
MW-43	Isophorone	ug/L	20		U	U	5.0
MW-43	N-Nitroso-di-n-propylamine	ug/L	20		U	U	5.0
MW-43	N-Nitrosodiphenylamine	ug/L	20		U	U	5.0
MW-43	Naphthalene	ug/L	20		U	U	5.0
MW-43	Nitrobenzene	ug/L	20		U	U	5.0
MW-43	Pentachlorophenol	ug/L	50		U	U	20
MW-43	Phenanthrene	ug/L	20		U	U	5.0
MW-43	Phenol	ug/L	75	12			5.0
MW-43	Pyrene	ug/L	20		U	U	5.0
MW-44	1,2,4-Trichlorobenzene	ug/L	10		U	U	5.0
MW-44	1,2-Dichlorobenzene	ug/L	10		U	U	1.0
MW-44	1,3-Dichlorobenzene	ug/L	10		U	U	1.0
MW-44	1,4-Dichlorobenzene	ug/L	10		U	U	1.0
MW-44	2,2'-oxybis(1-Chloropropane)	ug/L	10		U	U	5.0
MW-44	2,4,5-Trichlorophenol	ug/L	25		U	U	20
MW-44	2,4,6-Trichlorophenol	ug/L	10		U	U	5.0
MW-44	2,4-Dichlorophenol	ug/L	10		U	U	5.0
MW-44	2,4-Dimethylphenol	ug/L	10		U	U	5.0
MW-44	2,4-Dinitrophenol	ug/L	25		U	U	20
MW-44	2,4-Dinitrotoluene	ug/L	10		U	U	5.0
MW-44	2,6-Dinitrotoluene	ug/L	10		U	U	5.0
MW-44	2-Chloronaphthalene	ug/L	10		U	U	5.0
MW-44	2-Chlorophenol	ug/L	10		U	U	5.0
MW-44	2-Methylnaphthalene	ug/L	10		U	U	5.0
MW-44	2-Methylphenol	ug/L	10		U	U	5.0
MW-44	2-Nitroaniline	ug/L	25		U	U	20
MW-44	2-Nitrophenol	ug/L	10		U	U	5.0
MW-44	3,3'-Dichlorobenzidine	ug/L	10		U	U	5.0
MW-44	3-Nitroaniline	ug/L	25		U	U	20
MW-44	4,6-Dinitro-2-methylphenol	ug/L	25		U	U	20
MW-44	4-Bromophenyl-phenylether	ug/L	10		U	U	5.0
MW-44	4-Chloro-3-methylphenol	ug/L	10		U	U	5.0
MW-44	4-Chloroaniline	ug/L	10		U	U	5.0
MW-44	4-Chlorophenyl-phenyl ether	ug/L	10		U	U	5.0
MW-44	4-Methylphenol	ug/L	10		U	U	5.0

BOLD = Exceedance
NA = Not Available

Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-44	4-Nitroaniline	ug/L	25		U	U	20
MW-44	4-Nitrophenol	ug/L	25		U	U	20
MW-44	Acenaphthene	ug/L	10		U	U	5.0
MW-44	Acenaphthylene	ug/L	10		U	U	5.0
MW-44	Anthracene	ug/L	10		U	U	5.0
MW-44	Benzo(a)anthracene	ug/L	10		U	U	5.0
MW-44	Benzo(a)pyrene	ug/L	10		U	U	5.0
MW-44	Benzo(b)fluoranthene	ug/L	10		U	U	5.0
MW-44	Benzo(g,h,i)perylene	ug/L	10		U	U	5.0
MW-44	Benzo(k)fluoranthene	ug/L	10		U	U	5.0
MW-44	bis(2-Chloroethoxy)methane	ug/L	10		U	U	5.0
MW-44	bis(2-Chloroethyl) ether	ug/L	10		U	U	5.0
MW-44	bis(2-Ethylhexyl)phthalate	ug/L	15		U	U	5.0
MW-44	Butylbenzylphthalate	ug/L	10		U	U	5.0
MW-44	Carbazole	ug/L	10		U	U	5.0
MW-44	Chrysene	ug/L	10		U	U	5.0
MW-44	Di-n-butylphthalate	ug/L	10		U	U	5.0
MW-44	Di-n-octylphthalate	ug/L	10		U	U	5.0
MW-44	Dibenzo(a,h)anthracene	ug/L	10		U	U	5.0
MW-44	Dibenzofuran	ug/L	10		U	U	5.0
MW-44	Diethylphthalate	ug/L	10		U	U	5.0
MW-44	Dimethylphthalate	ug/L	10		U	U	5.0
MW-44	Fluoranthene	ug/L	10		U	U	5.0
MW-44	Fluorene	ug/L	10		U	U	5.0
MW-44	Hexachlorobenzene	ug/L	10		U	U	5.0
MW-44	Hexachlorobutadiene	ug/L	10		U	U	5.0
MW-44	Hexachlorocyclopentadiene	ug/L	10		U	UJ	5.0
MW-44	Hexachloroethane	ug/L	10		U	U	5.0
MW-44	Indeno(1,2,3-cd)pyrene	ug/L	10		U	U	5.0
MW-44	Isophorone	ug/L	10		U	U	5.0
MW-44	N-Nitroso-di-n-propylamine	ug/L	10		U	UJ	5.0
MW-44	N-Nitrosodiphenylamine	ug/L	10		U	U	5.0
MW-44	Naphthalene	ug/L	10		U	U	5.0
MW-44	Nitrobenzene	ug/L	10		U	U	5.0
MW-44	Pentachlorophenol	ug/L	25		U	U	20
MW-44	Phenanthrene	ug/L	10		U	U	5.0
MW-44	Phenol	ug/L	11	8.0			5.0
MW-44	Pyrene	ug/L	10		U	U	5.0
MW-45	1,2,4-Trichlorobenzene	ug/L	20		U	U	5.0
MW-45	1,2-Dichlorobenzene	ug/L	20		U	U	5.0
MW-45	1,3-Dichlorobenzene	ug/L	20		U	U	5.0
MW-45	1,4-Dichlorobenzene	ug/L	20		U	U	5.0
MW-45	2,2'-oxybis(1-Chloropropane)	ug/L	20	6.0			5.0
MW-45	2,4,5-Trichlorophenol	ug/L	50		U	U	20
MW-45	2,4,6-Trichlorophenol	ug/L	20		U	U	5.0
MW-45	2,4-Dichlorophenol	ug/L	20		U	U	5.0
MW-45	2,4-Dimethylphenol	ug/L	20		U	U	5.0
MW-45	2,4-Dinitrophenol	ug/L	50		U	U	20
MW-45	2,4-Dinitrotoluene	ug/L	20		U	U	5.0

BOLD = Exceedance
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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-45	2,6-Dinitrotoluene	ug/L	20		U	U	5.0
MW-45	2-Chloronaphthalene	ug/L	20		U	U	5.0
MW-45	2-Chlorophenol	ug/L	20		U	U	5.0
MW-45	2-Methylnaphthalene	ug/L	20	6.0			5.0
MW-45	2-Methylphenol	ug/L	20		U	U	5.0
MW-45	2-Nitroaniline	ug/L	50		U	U	20
MW-45	2-Nitrophenol	ug/L	20		U	U	5.0
MW-45	3,3'-Dichlorobenzidine	ug/L	20		U	U	5.0
MW-45	3-Nitroaniline	ug/L	50		U	U	20
MW-45	4,6-Dinitro-2-methylphenol	ug/L	50		U	U	20
MW-45	4-Bromophenyl-phenylether	ug/L	20		U	U	5.0
MW-45	4-Chloro-3-methylphenol	ug/L	20		U	U	5.0
MW-45	4-Chloroaniline	ug/L	20		U	U	5.0
MW-45	4-Chlorophenyl-phenyl ether	ug/L	20		U	U	5.0
MW-45	4-Methylphenol	ug/L	20		U	U	5.0
MW-45	4-Nitroaniline	ug/L	50		U	U	20
MW-45	4-Nitrophenol	ug/L	50		U	U	20
MW-45	Acenaphthene	ug/L	20		U	U	5.0
MW-45	Acenaphthylene	ug/L	20		U	U	5.0
MW-45	Anthracene	ug/L	20		U	U	5.0
MW-45	Benzo(a)anthracene	ug/L	20		U	U	5.0
MW-45	Benzo(a)pyrene	ug/L	20		U	U	5.0
MW-45	Benzo(b)fluoranthene	ug/L	20		U	U	5.0
MW-45	Benzo(g,h,i)perylene	ug/L	20		U	U	5.0
MW-45	Benzo(k)fluoranthene	ug/L	20		U	U	5.0
MW-45	bis(2-Chloroethoxy)methane	ug/L	20		U	U	5.0
MW-45	bis(2-Chloroethyl) ether	ug/L	20		U	U	5.0
MW-45	bis(2-Ethylhexyl)phthalate	ug/L	20		U	U	5.0
MW-45	Butylbenzylphthalate	ug/L	20		U	U	5.0
MW-45	Carbazole	ug/L	20		U	U	5.0
MW-45	Chrysene	ug/L	20		U	U	5.0
MW-45	Di-n-butylphthalate	ug/L	20		U	U	5.0
MW-45	Di-n-octylphthalate	ug/L	20		U	U	5.0
MW-45	Dibenzo(a,h)anthracene	ug/L	20		U	U	5.0
MW-45	Dibenzofuran	ug/L	20		U	U	5.0
MW-45	Diethylphthalate	ug/L	20		U	U	5.0
MW-45	Dimethylphthalate	ug/L	20		U	U	5.0
MW-45	Fluoranthene	ug/L	20		U	U	5.0
MW-45	Fluorene	ug/L	20		U	U	5.0
MW-45	Hexachlorobenzene	ug/L	20		U	U	5.0
MW-45	Hexachlorobutadiene	ug/L	20		U	U	5.0
MW-45	Hexachlorocyclopentadiene	ug/L	20		U	U	5.0
MW-45	Hexachloroethane	ug/L	20		U	U	5.0
MW-45	Indeno(1,2,3-cd)pyrene	ug/L	20		U	U	5.0
MW-45	Isophorone	ug/L	20		U	U	5.0
MW-45	N-Nitroso-di-n-propylamine	ug/L	20		U	U	5.0
MW-45	N-Nitrosodiphenylamine	ug/L	20		U	U	5.0
MW-45	Naphthalene	ug/L	140	78			5.0
MW-45	Nitrobenzene	ug/L	20		U	U	5.0

BOLD = Exceedance
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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-45	Pentachlorophenol	ug/L	50		U	U	20
MW-45	Phenanthrene	ug/L	20		U	U	5.0
MW-45	Phenol	ug/L	50	45			5.0
MW-45	Pyrene	ug/L	20		U	U	5.0
MW-46	1,2,4-Trichlorobenzene	ug/L	10		U	U	5.0
MW-46	1,2-Dichlorobenzene	ug/L	10		U	U	1.0
MW-46	1,3-Dichlorobenzene	ug/L	10		U	U	1.0
MW-46	1,4-Dichlorobenzene	ug/L	10		U	U	1.0
MW-46	2,2'-oxybis(1-Chloropropane)	ug/L	10		U	U	5.0
MW-46	2,4,5-Trichlorophenol	ug/L	25		U	U	20
MW-46	2,4,6-Trichlorophenol	ug/L	10		U	U	5.0
MW-46	2,4-Dichlorophenol	ug/L	10		U	U	5.0
MW-46	2,4-Dimethylphenol	ug/L	10		U	U	5.0
MW-46	2,4-Dinitrophenol	ug/L	25		U	U	20
MW-46	2,4-Dinitrotoluene	ug/L	10		U	U	5.0
MW-46	2,6-Dinitrotoluene	ug/L	10		U	U	5.0
MW-46	2-Chloronaphthalene	ug/L	10		U	U	5.0
MW-46	2-Chlorophenol	ug/L	10		U	U	5.0
MW-46	2-Methylnaphthalene	ug/L	10		U	U	5.0
MW-46	2-Methylphenol	ug/L	10		U	U	5.0
MW-46	2-Nitroaniline	ug/L	25		U	U	20
MW-46	2-Nitrophenol	ug/L	10		U	U	5.0
MW-46	3,3'-Dichlorobenzidine	ug/L	10		U	U	5.0
MW-46	3-Nitroaniline	ug/L	25		U	U	20
MW-46	4,6-Dinitro-2-methylphenol	ug/L	25		U	U	20
MW-46	4-Bromophenyl-phenylether	ug/L	10		U	U	5.0
MW-46	4-Chloro-3-methylphenol	ug/L	10		U	U	5.0
MW-46	4-Chloroaniline	ug/L	10		U	U	5.0
MW-46	4-Chlorophenyl-phenyl ether	ug/L	10		U	U	5.0
MW-46	4-Methylphenol	ug/L	10		U	U	5.0
MW-46	4-Nitroaniline	ug/L	25		U	U	20
MW-46	4-Nitrophenol	ug/L	25		U	U	20
MW-46	Acenaphthene	ug/L	10		U	U	5.0
MW-46	Acenaphthylene	ug/L	10		U	U	5.0
MW-46	Anthracene	ug/L	10		U	U	5.0
MW-46	Benzo(a)anthracene	ug/L	10		U	U	5.0
MW-46	Benzo(a)pyrene	ug/L	10		U	U	5.0
MW-46	Benzo(b)fluoranthene	ug/L	10		U	U	5.0
MW-46	Benzo(g,h,i)perylene	ug/L	10		U	U	5.0
MW-46	Benzo(k)fluoranthene	ug/L	10		U	U	5.0
MW-46	bis(2-Chloroethoxy)methane	ug/L	10		U	U	5.0
MW-46	bis(2-Chloroethyl) ether	ug/L	10	3.0	J	J	5.0
MW-46	bis(2-Ethylhexyl)phthalate	ug/L	10		U	U	5.0
MW-46	Butylbenzylphthalate	ug/L	10		U	U	5.0
MW-46	Carbazole	ug/L	10		U	U	5.0
MW-46	Chrysene	ug/L	10		U	U	5.0
MW-46	Di-n-butylphthalate	ug/L	10		U	U	5.0
MW-46	Di-n-octylphthalate	ug/L	10		U	U	5.0
MW-46	Dibenzo(a,h)anthracene	ug/L	10		U	U	5.0

BOLD = Exceedance
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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-46	Dibenzofuran	ug/L	10		U	U	5.0
MW-46	Diethylphthalate	ug/L	10		U	U	5.0
MW-46	Dimethylphthalate	ug/L	10		U	U	5.0
MW-46	Fluoranthene	ug/L	10		U	U	5.0
MW-46	Fluorene	ug/L	10		U	U	5.0
MW-46	Hexachlorobenzene	ug/L	10		U	U	5.0
MW-46	Hexachlorobutadiene	ug/L	10		U	U	5.0
MW-46	Hexachlorocyclopentadiene	ug/L	10		U	U	5.0
MW-46	Hexachloroethane	ug/L	10		U	U	5.0
MW-46	Indeno(1,2,3-cd)pyrene	ug/L	10		U	U	5.0
MW-46	Isophorone	ug/L	10		U	U	5.0
MW-46	N-Nitroso-di-n-propylamine	ug/L	10		U	U	5.0
MW-46	N-Nitrosodiphenylamine	ug/L	10		U	U	5.0
MW-46	Naphthalene	ug/L	10		U	U	5.0
MW-46	Nitrobenzene	ug/L	10		U	U	5.0
MW-46	Pentachlorophenol	ug/L	25		U	U	20
MW-46	Phenanthrene	ug/L	10		U	U	5.0
MW-46	Phenol	ug/L	10		J	U	5.0
MW-46	Pyrene	ug/L	10		U	U	5.0
MW-47	1,2,4-Trichlorobenzene	ug/L	10			U	5.0
MW-47	1,2-Dichlorobenzene	ug/L	10			U	1.0
MW-47	1,3-Dichlorobenzene	ug/L	10			U	1.0
MW-47	1,4-Dichlorobenzene	ug/L	10			U	1.0
MW-47	2,2'-oxybis(1-Chloropropane)	ug/L	10			U	5.0
MW-47	2,4,5-Trichlorophenol	ug/L	25			U	20
MW-47	2,4,6-Trichlorophenol	ug/L	10			U	5.0
MW-47	2,4-Dichlorophenol	ug/L	10			U	5.0
MW-47	2,4-Dimethylphenol	ug/L	10			U	5.0
MW-47	2,4-Dinitrophenol	ug/L	25			U	20
MW-47	2,4-Dinitrotoluene	ug/L	10			U	5.0
MW-47	2,6-Dinitrotoluene	ug/L	10			U	5.0
MW-47	2-Chloronaphthalene	ug/L	10			U	5.0
MW-47	2-Chlorophenol	ug/L	10			U	5.0
MW-47	2-Methylnaphthalene	ug/L	10			U	5.0
MW-47	2-Methylphenol	ug/L	10			U	5.0
MW-47	2-Nitroaniline	ug/L	25			U	20
MW-47	2-Nitrophenol	ug/L	10			U	5.0
MW-47	3,3'-Dichlorobenzidine	ug/L	10			U	5.0
MW-47	3-Nitroaniline	ug/L	25			U	20
MW-47	4,6-Dinitro-2-methylphenol	ug/L	25			U	20
MW-47	4-Bromophenyl-phenylether	ug/L	10			U	5.0
MW-47	4-Chloro-3-methylphenol	ug/L	10			U	5.0
MW-47	4-Chloroaniline	ug/L	10			U	5.0
MW-47	4-Chlorophenyl-phenyl ether	ug/L	10			U	5.0
MW-47	4-Methylphenol	ug/L	10			U	5.0
MW-47	4-Nitroaniline	ug/L	25			U	20
MW-47	4-Nitrophenol	ug/L	25			U	20
MW-47	Acenaphthene	ug/L	10			U	5.0
MW-47	Acenaphthylene	ug/L	10			U	5.0

BOLD = Exceedance
NA = Not Available

Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-47	Anthracene	ug/L	10			U	5.0
MW-47	Benzo(a)anthracene	ug/L	10			U	5.0
MW-47	Benzo(a)pyrene	ug/L	10			U	5.0
MW-47	Benzo(b)fluoranthene	ug/L	10			U	5.0
MW-47	Benzo(g,h,i)perylene	ug/L	10			U	5.0
MW-47	Benzo(k)fluoranthene	ug/L	10			U	5.0
MW-47	bis(2-Chloroethoxy)methane	ug/L	10			U	5.0
MW-47	bis(2-Chloroethyl) ether	ug/L	10			U	5.0
MW-47	bis(2-Ethylhexyl)phthalate	ug/L	10			U	5.0
MW-47	Butylbenzylphthalate	ug/L	10			U	5.0
MW-47	Carbazole	ug/L	10			U	5.0
MW-47	Chrysene	ug/L	10			U	5.0
MW-47	Di-n-butylphthalate	ug/L	10	2.8			NA
MW-47	Di-n-octylphthalate	ug/L	10			U	5.0
MW-47	Dibenzo(a,h)anthracene	ug/L	10			U	5.0
MW-47	Dibenzofuran	ug/L	10			U	5.0
MW-47	Diethylphthalate	ug/L	10			U	5.0
MW-47	Dimethylphthalate	ug/L	10			U	5.0
MW-47	Fluoranthene	ug/L	10			U	5.0
MW-47	Fluorene	ug/L	10			U	5.0
MW-47	Hexachlorobenzene	ug/L	10			U	5.0
MW-47	Hexachlorobutadiene	ug/L	10			U	5.0
MW-47	Hexachlorocyclopentadiene	ug/L	10			UJ	5.0
MW-47	Hexachloroethane	ug/L	10			U	5.0
MW-47	Indeno(1,2,3-cd)pyrene	ug/L	10			U	5.0
MW-47	Isophorone	ug/L	10			U	5.0
MW-47	N-Nitroso-di-n-propylamine	ug/L	10			UJ	5.0
MW-47	N-Nitrosodiphenylamine	ug/L	10			U	5.0
MW-47	Naphthalene	ug/L	10			U	5.0
MW-47	Nitrobenzene	ug/L	10			U	5.0
MW-47	Pentachlorophenol	ug/L	25			U	20
MW-47	Phenanthrene	ug/L	10			U	5.0
MW-47	Phenol	ug/L	39	17		J	NA
MW-47	Pyrene	ug/L	10			U	5.0
MW-48	1,2,4-Trichlorobenzene	ug/L	20		U	U	5.0
MW-48	1,2-Dichlorobenzene	ug/L	20		U	U	5.0
MW-48	1,3-Dichlorobenzene	ug/L	20		U	U	5.0
MW-48	1,4-Dichlorobenzene	ug/L	20		U	U	5.0
MW-48	2,2'-oxybis(1-Chloropropane)	ug/L	20		U	U	5.0
MW-48	2,4,5-Trichlorophenol	ug/L	50		U	U	20
MW-48	2,4,6-Trichlorophenol	ug/L	20		U	U	5.0
MW-48	2,4-Dichlorophenol	ug/L	20		U	U	5.0
MW-48	2,4-Dimethylphenol	ug/L	20		U	U	5.0
MW-48	2,4-Dinitrophenol	ug/L	50		U	U	20
MW-48	2,4-Dinitrotoluene	ug/L	20		U	U	5.0
MW-48	2,6-Dinitrotoluene	ug/L	20		U	U	5.0
MW-48	2-Chloronaphthalene	ug/L	20		U	U	5.0
MW-48	2-Chlorophenol	ug/L	20		U	U	5.0
MW-48	2-Methylnaphthalene	ug/L	20		U	U	5.0

BOLD = Exceedance
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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-48	2-Methylphenol	ug/L	20		U	U	5.0
MW-48	2-Nitroaniline	ug/L	50		U	U	20
MW-48	2-Nitrophenol	ug/L	20		U	U	5.0
MW-48	3,3'-Dichlorobenzidine	ug/L	20		U	U	5.0
MW-48	3-Nitroaniline	ug/L	50		U	U	20
MW-48	4,6-Dinitro-2-methylphenol	ug/L	50		U	U	20
MW-48	4-Bromophenyl-phenylether	ug/L	20		U	U	5.0
MW-48	4-Chloro-3-methylphenol	ug/L	20		U	U	5.0
MW-48	4-Chloroaniline	ug/L	20		U	U	5.0
MW-48	4-Chlorophenyl-phenyl ether	ug/L	20		U	U	5.0
MW-48	4-Methylphenol	ug/L	20		U	U	5.0
MW-48	4-Nitroaniline	ug/L	50		U	U	20
MW-48	4-Nitrophenol	ug/L	50		U	U	20
MW-48	Acenaphthene	ug/L	20		U	U	5.0
MW-48	Acenaphthylene	ug/L	20		U	U	5.0
MW-48	Anthracene	ug/L	20		U	U	5.0
MW-48	Benzo(a)anthracene	ug/L	20		U	U	5.0
MW-48	Benzo(a)pyrene	ug/L	20		U	U	5.0
MW-48	Benzo(b)fluoranthene	ug/L	20		U	U	5.0
MW-48	Benzo(g,h,i)perylene	ug/L	20		U	U	5.0
MW-48	Benzo(k)fluoranthene	ug/L	20		U	U	5.0
MW-48	bis(2-Chloroethoxy)methane	ug/L	20		U	U	5.0
MW-48	bis(2-Chloroethyl) ether	ug/L	20		U	U	5.0
MW-48	bis(2-Ethylhexyl)phthalate	ug/L	20		U	U	5.0
MW-48	Butylbenzylphthalate	ug/L	20		U	U	5.0
MW-48	Carbazole	ug/L	20		U	U	5.0
MW-48	Chrysene	ug/L	20		U	U	5.0
MW-48	Di-n-butylphthalate	ug/L	20		U	U	5.0
MW-48	Di-n-octylphthalate	ug/L	20		U	U	5.0
MW-48	Dibenzo(a,h)anthracene	ug/L	20		U	U	5.0
MW-48	Dibenzofuran	ug/L	20		U	U	5.0
MW-48	Diethylphthalate	ug/L	20		U	U	5.0
MW-48	Dimethylphthalate	ug/L	20		U	U	5.0
MW-48	Fluoranthene	ug/L	20		U	U	5.0
MW-48	Fluorene	ug/L	20		U	U	5.0
MW-48	Hexachlorobenzene	ug/L	20		U	U	5.0
MW-48	Hexachlorobutadiene	ug/L	20		U	U	5.0
MW-48	Hexachlorocyclopentadiene	ug/L	20		U	U	5.0
MW-48	Hexachloroethane	ug/L	20		U	U	5.0
MW-48	Indeno(1,2,3-cd)pyrene	ug/L	20		U	U	5.0
MW-48	Isophorone	ug/L	20		U	U	5.0
MW-48	N-Nitroso-di-n-propylamine	ug/L	20		U	U	5.0
MW-48	N-Nitrosodiphenylamine	ug/L	20		U	U	5.0
MW-48	Naphthalene	ug/L	20		U	U	5.0
MW-48	Nitrobenzene	ug/L	20		U	U	5.0
MW-48	Pentachlorophenol	ug/L	50		U	U	20
MW-48	Phenanthrene	ug/L	20		U	U	5.0
MW-48	Phenol	ug/L	110	62			5.0
MW-48	Pyrene	ug/L	20		U	U	5.0

BOLD = Exceedance
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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-49	1,2,4-Trichlorobenzene	ug/L	50		U	U	20
MW-49	1,2-Dichlorobenzene	ug/L	50		U	U	20
MW-49	1,3-Dichlorobenzene	ug/L	50		U	U	20
MW-49	1,4-Dichlorobenzene	ug/L	50		U	U	20
MW-49	2,2'-oxybis(1-Chloropropane)	ug/L	28	11	J		20
MW-49	2,4,5-Trichlorophenol	ug/L	120		U	U	80
MW-49	2,4,6-Trichlorophenol	ug/L	50		U	U	20
MW-49	2,4-Dichlorophenol	ug/L	50		U	U	20
MW-49	2,4-Dimethylphenol	ug/L	50		U	U	20
MW-49	2,4-Dinitrophenol	ug/L	120		U	U	80
MW-49	2,4-Dinitrotoluene	ug/L	50		U	U	20
MW-49	2,6-Dinitrotoluene	ug/L	50		U	U	20
MW-49	2-Chloronaphthalene	ug/L	50		U	U	20
MW-49	2-Chlorophenol	ug/L	50		U	U	20
MW-49	2-Methylnaphthalene	ug/L	50		U	U	20
MW-49	2-Methylphenol	ug/L	50		U	U	20
MW-49	2-Nitroaniline	ug/L	120		U	U	80
MW-49	2-Nitrophenol	ug/L	50		U	U	20
MW-49	3,3'-Dichlorobenzidine	ug/L	50		U	U	20
MW-49	3-Nitroaniline	ug/L	120		U	U	80
MW-49	4,6-Dinitro-2-methylphenol	ug/L	120		U	U	80
MW-49	4-Bromophenyl-phenylether	ug/L	50		U	U	20
MW-49	4-Chloro-3-methylphenol	ug/L	50		U	U	20
MW-49	4-Chloroaniline	ug/L	50		U	U	20
MW-49	4-Chlorophenyl-phenyl ether	ug/L	50		U	U	20
MW-49	4-Methylphenol	ug/L	50		U	U	20
MW-49	4-Nitroaniline	ug/L	120		U	U	80
MW-49	4-Nitrophenol	ug/L	120		U	U	80
MW-49	Acenaphthene	ug/L	50		U	U	20
MW-49	Acenaphthylene	ug/L	50		U	U	20
MW-49	Anthracene	ug/L	50		U	U	20
MW-49	Benzo(a)anthracene	ug/L	50		U	U	20
MW-49	Benzo(a)pyrene	ug/L	50		U	U	20
MW-49	Benzo(b)fluoranthene	ug/L	50		U	U	20
MW-49	Benzo(g,h,i)perylene	ug/L	50		U	U	20
MW-49	Benzo(k)fluoranthene	ug/L	50		U	U	20
MW-49	bis(2-Chloroethoxy)methane	ug/L	50		U	U	20
MW-49	bis(2-Chloroethyl) ether	ug/L	50		U	U	20
MW-49	bis(2-Ethylhexyl)phthalate	ug/L	50		U	U	20
MW-49	Butylbenzylphthalate	ug/L	50		U	U	20
MW-49	Carbazole	ug/L	50		U	U	20
MW-49	Chrysene	ug/L	50		U	U	20
MW-49	Di-n-butylphthalate	ug/L	50		U	U	20
MW-49	Di-n-octylphthalate	ug/L	50		U	U	20
MW-49	Dibenzo(a,h)anthracene	ug/L	50		U	U	20
MW-49	Dibenzofuran	ug/L	50		U	U	20
MW-49	Diethylphthalate	ug/L	50		U	U	20
MW-49	Dimethylphthalate	ug/L	50		U	U	20
MW-49	Fluoranthene	ug/L	50		U	U	20

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-49	Fluorene	ug/L	50		U	U	20
MW-49	Hexachlorobenzene	ug/L	50		U	U	20
MW-49	Hexachlorobutadiene	ug/L	50		U	U	20
MW-49	Hexachlorocyclopentadiene	ug/L	50		U	UJ	20
MW-49	Hexachloroethane	ug/L	50		U	U	20
MW-49	Indeno(1,2,3-cd)pyrene	ug/L	50		U	U	20
MW-49	Isophorone	ug/L	10		U	U	20
MW-49	N-Nitroso-di-n-propylamine	ug/L	50		U	U	20
MW-49	N-Nitrosodiphenylamine	ug/L	50		U	U	20
MW-49	Naphthalene	ug/L	50		U	U	20
MW-49	Nitrobenzene	ug/L	50		U	U	20
MW-49	Pentachlorophenol	ug/L	120		U	U	80
MW-49	Phenanthrene	ug/L	50		U	U	20
MW-49	Phenol	ug/L	125	**160**			20
MW-49	Pyrene	ug/L	50		U	U	20
MW-50	1,2,4-Trichlorobenzene	ug/L	60		U		10
MW-50	1,2-Dichlorobenzene	ug/L	60		U		10
MW-50	1,3-Dichlorobenzene	ug/L	60		U		10
MW-50	1,4-Dichlorobenzene	ug/L	60		U		10
MW-50	2,2'-oxybis(1-Chloropropane)	ug/L	60		U		10
MW-50	2,4,5-Trichlorophenol	ug/L	150		U		40
MW-50	2,4,6-Trichlorophenol	ug/L	60		U		10
MW-50	2,4-Dichlorophenol	ug/L	60		U		10
MW-50	2,4-Dimethylphenol	ug/L	60		U		10
MW-50	2,4-Dinitrophenol	ug/L	150		U		40
MW-50	2,4-Dinitrotoluene	ug/L	60		U	R	10
MW-50	2,6-Dinitrotoluene	ug/L	60		U		10
MW-50	2-Chloronaphthalene	ug/L	60		U		10
MW-50	2-Chlorophenol	ug/L	60		U		10
MW-50	2-Methylnaphthalene	ug/L	60		U		10
MW-50	2-Methylphenol	ug/L	60		U		10
MW-50	2-Nitroaniline	ug/L	150		U		40
MW-50	2-Nitrophenol	ug/L	60		U		10
MW-50	3,3'-Dichlorobenzidine	ug/L	60		U		10
MW-50	3-Nitroaniline	ug/L	150		U		40
MW-50	4,6-Dinitro-2-methylphenol	ug/L	150		U		40
MW-50	4-Bromophenyl-phenylether	ug/L	60		U		10
MW-50	4-Chloro-3-methylphenol	ug/L	60		U		10
MW-50	4-Chloroaniline	ug/L	60		U	R	10
MW-50	4-Chlorophenyl-phenyl ether	ug/L	60		U		10
MW-50	4-Methylphenol	ug/L	60		U		10
MW-50	4-Nitroaniline	ug/L	150		U		40
MW-50	4-Nitrophenol	ug/L	150		U		40
MW-50	Acenaphthene	ug/L	60		U		10
MW-50	Acenaphthylene	ug/L	60		U		10
MW-50	Anthracene	ug/L	60		U		10
MW-50	Benzo(a)anthracene	ug/L	60		U		10
MW-50	Benzo(a)pyrene	ug/L	60		U		10
MW-50	Benzo(b)fluoranthene	ug/L	60		U		10

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-50	Benzo(g,h,i)perylene	ug/L	60		U		10
MW-50	Benzo(k)fluoranthene	ug/L	60		U		10
MW-50	bis(2-Chloroethoxy)methane	ug/L	60		U		10
MW-50	bis(2-Chloroethyl) ether	ug/L	60		U		10
MW-50	bis(2-Ethylhexyl)phthalate	ug/L	60		U		10
MW-50	Butylbenzylphthalate	ug/L	60		U		10
MW-50	Carbazole	ug/L	60		U		10
MW-50	Chrysene	ug/L	60		U		10
MW-50	Di-n-butylphthalate	ug/L	60		U		10
MW-50	Di-n-octylphthalate	ug/L	60		U		10
MW-50	Dibenzo(a,h)anthracene	ug/L	60		U		10
MW-50	Dibenzofuran	ug/L	60		U		10
MW-50	Diethylphthalate	ug/L	60		U		10
MW-50	Dimethylphthalate	ug/L	60		U		10
MW-50	Fluoranthene	ug/L	60		U		10
MW-50	Fluorene	ug/L	60		U		10
MW-50	Hexachlorobenzene	ug/L	60		U		10
MW-50	Hexachlorobutadiene	ug/L	60		U		10
MW-50	Hexachlorocyclopentadiene	ug/L	60		U	UJ	10
MW-50	Hexachloroethane	ug/L	60		U		10
MW-50	Indeno(1,2,3-cd)pyrene	ug/L	60		U		10
MW-50	Isophorone	ug/L	60		U		10
MW-50	N-Nitroso-di-n-propylamine	ug/L	60		U		10
MW-50	N-Nitrosodiphenylamine	ug/L	60		U		10
MW-50	Naphthalene	ug/L	60		U		10
MW-50	Nitrobenzene	ug/L	60		U		10
MW-50	Pentachlorophenol	ug/L	150		U		40
MW-50	Phenanthrene	ug/L	60		U		10
MW-50	Phenol	ug/L	340	140			10
MW-50	Pyrene	ug/L	60		U		10
MW-51	1,2,4-Trichlorobenzene	ug/L	10		U	UJ	5.0
MW-51	1,2-Dichlorobenzene	ug/L	10		U	UJ	5.0
MW-51	1,3-Dichlorobenzene	ug/L	10		U	UJ	5.0
MW-51	1,4-Dichlorobenzene	ug/L	10		U	UJ	5.0
MW-51	2,2'-oxybis(1-Chloropropane)	ug/L	10		U	UJ	5.0
MW-51	2,4,5-Trichlorophenol	ug/L	25		U	UJ	20
MW-51	2,4,6-Trichlorophenol	ug/L	10		U	UJ	5.0
MW-51	2,4-Dichlorophenol	ug/L	10		U	UJ	5.0
MW-51	2,4-Dimethylphenol	ug/L	10		U	UJ	5.0
MW-51	2,4-Dinitrophenol	ug/L	25		U	UJ	20
MW-51	2,4-Dinitrotoluene	ug/L	10		U	UJ	5.0
MW-51	2,6-Dinitrotoluene	ug/L	10		U	UJ	5.0
MW-51	2-Chloronaphthalene	ug/L	10		U	UJ	5.0
MW-51	2-Chlorophenol	ug/L	10		U	UJ	5.0
MW-51	2-Methylnaphthalene	ug/L	10		U	UJ	5.0
MW-51	2-Methylphenol	ug/L	10		U	UJ	5.0
MW-51	2-Nitroaniline	ug/L	25		U	UJ	20
MW-51	2-Nitrophenol	ug/L	10		U	UJ	5.0
MW-51	3,3'-Dichlorobenzidine	ug/L	10		U	UJ	5.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-51	3-Nitroaniline	ug/L	25		U	UJ	20
MW-51	4,6-Dinitro-2-methylphenol	ug/L	25		U	UJ	20
MW-51	4-Bromophenyl-phenylether	ug/L	10		U	UJ	5.0
MW-51	4-Chloro-3-methylphenol	ug/L	10		U	UJ	5.0
MW-51	4-Chloroaniline	ug/L	10		U	UJ	5.0
MW-51	4-Chlorophenyl-phenyl ether	ug/L	10		U	UJ	5.0
MW-51	4-Methylphenol	ug/L	10		U	UJ	5.0
MW-51	4-Nitroaniline	ug/L	25		U	UJ	20
MW-51	4-Nitrophenol	ug/L	25		U	UJ	20
MW-51	Acenaphthene	ug/L	10		U	UJ	5.0
MW-51	Acenaphthylene	ug/L	10		U	UJ	5.0
MW-51	Anthracene	ug/L	10		U	UJ	5.0
MW-51	Benzo(a)anthracene	ug/L	10		U	UJ	5.0
MW-51	Benzo(a)pyrene	ug/L	10		U	UJ	5.0
MW-51	Benzo(b)fluoranthene	ug/L	10		U	UJ	5.0
MW-51	Benzo(g,h,i)perylene	ug/L	10		U	UJ	5.0
MW-51	Benzo(k)fluoranthene	ug/L	10		U	UJ	5.0
MW-51	bis(2-Chloroethoxy)methane	ug/L	10		U	UJ	5.0
MW-51	bis(2-Chloroethyl) ether	ug/L	10		U	UJ	5.0
MW-51	bis(2-Ethylhexyl)phthalate	ug/L	10		U	UJ	5.0
MW-51	Butylbenzylphthalate	ug/L	10		U	UJ	5.0
MW-51	Carbazole	ug/L	10		U	UJ	5.0
MW-51	Chrysene	ug/L	10		U	UJ	5.0
MW-51	Di-n-butylphthalate	ug/L	10		U	UJ	5.0
MW-51	Di-n-octylphthalate	ug/L	10		U	UJ	5.0
MW-51	Dibenzo(a,h)anthracene	ug/L	10		U	UJ	5.0
MW-51	Dibenzofuran	ug/L	10		U	UJ	5.0
MW-51	Diethylphthalate	ug/L	10		U	UJ	5.0
MW-51	Dimethylphthalate	ug/L	10		U	UJ	5.0
MW-51	Fluoranthene	ug/L	10		U	UJ	5.0
MW-51	Fluorene	ug/L	10		U	UJ	5.0
MW-51	Hexachlorobenzene	ug/L	10		U	UJ	5.0
MW-51	Hexachlorobutadiene	ug/L	10		U	UJ	5.0
MW-51	Hexachlorocyclopentadiene	ug/L	10		U	UJ	5.0
MW-51	Hexachloroethane	ug/L	10		U	UJ	5.0
MW-51	Indeno(1,2,3-cd)pyrene	ug/L	10		U	UJ	5.0
MW-51	Isophorone	ug/L	10		U	UJ	5.0
MW-51	N-Nitroso-di-n-propylamine	ug/L	10		U	UJ	5.0
MW-51	N-Nitrosodiphenylamine	ug/L	10		U	UJ	5.0
MW-51	Naphthalene	ug/L	10		U	UJ	5.0
MW-51	Nitrobenzene	ug/L	10		U	UJ	5.0
MW-51	Pentachlorophenol	ug/L	25		U	UJ	20
MW-51	Phenanthrene	ug/L	10		U	UJ	5.0
MW-51	Phenol	ug/L	25	**56**		J	5.0
MW-51	Pyrene	ug/L	10		U	UJ	5.0
MW-52	1,2,4-Trichlorobenzene	ug/L	10		U	UJ	5.0
MW-52	1,2-Dichlorobenzene	ug/L	10		U	UJ	5.0
MW-52	1,3-Dichlorobenzene	ug/L	10		U	UJ	5.0
MW-52	1,4-Dichlorobenzene	ug/L	10		U	UJ	5.0

BOLD = Exceedance
NA = Not Available

Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-52	2,2'-oxybis(1-Chloropropane)	ug/L	10		U	UJ	5.0
MW-52	2,4,5-Trichlorophenol	ug/L	25		U	UJ	20
MW-52	2,4,6-Trichlorophenol	ug/L	10		U	UJ	5.0
MW-52	2,4-Dichlorophenol	ug/L	10		U	UJ	5.0
MW-52	2,4-Dimethylphenol	ug/L	10		U	UJ	5.0
MW-52	2,4-Dinitrophenol	ug/L	25		U	UJ	20
MW-52	2,4-Dinitrotoluene	ug/L	10		U	UJ	5.0
MW-52	2,6-Dinitrotoluene	ug/L	10		U	UJ	5.0
MW-52	2-Chloronaphthalene	ug/L	10		U	UJ	5.0
MW-52	2-Chlorophenol	ug/L	10		U	UJ	5.0
MW-52	2-Methylnaphthalene	ug/L	10		U	UJ	5.0
MW-52	2-Methylphenol	ug/L	10		U	UJ	5.0
MW-52	2-Nitroaniline	ug/L	25		U	UJ	20
MW-52	2-Nitrophenol	ug/L	10		U	UJ	5.0
MW-52	3,3'-Dichlorobenzidine	ug/L	10		U	UJ	5.0
MW-52	3-Nitroaniline	ug/L	25		U	UJ	20
MW-52	4,6-Dinitro-2-methylphenol	ug/L	25		U	UJ	20
MW-52	4-Bromophenyl-phenylether	ug/L	10		U	UJ	5.0
MW-52	4-Chloro-3-methylphenol	ug/L	10		U	UJ	5.0
MW-52	4-Chloroaniline	ug/L	10		U	UJ	5.0
MW-52	4-Chlorophenyl-phenyl ether	ug/L	10		U	UJ	5.0
MW-52	4-Methylphenol	ug/L	10		U	UJ	5.0
MW-52	4-Nitroaniline	ug/L	25		U	UJ	20
MW-52	4-Nitrophenol	ug/L	25		U	UJ	20
MW-52	Acenaphthene	ug/L	10		U	UJ	5.0
MW-52	Acenaphthylene	ug/L	10		U	UJ	5.0
MW-52	Anthracene	ug/L	10		U	UJ	5.0
MW-52	Benzo(a)anthracene	ug/L	10		U	UJ	5.0
MW-52	Benzo(a)pyrene	ug/L	10		U	UJ	5.0
MW-52	Benzo(b)fluoranthene	ug/L	10		U	UJ	5.0
MW-52	Benzo(g,h,i)perylene	ug/L	10		U	UJ	5.0
MW-52	Benzo(k)fluoranthene	ug/L	10		U	UJ	5.0
MW-52	bis(2-Chloroethoxy)methane	ug/L	10		U	UJ	5.0
MW-52	bis(2-Chloroethyl) ether	ug/L	10		U	UJ	5.0
MW-52	bis(2-Ethylhexyl)phthalate	ug/L	39		U	UJ	5.0
MW-52	Butylbenzylphthalate	ug/L	10		U	UJ	5.0
MW-52	Carbazole	ug/L	10		U	UJ	5.0
MW-52	Chrysene	ug/L	10		U	UJ	5.0
MW-52	Di-n-butylphthalate	ug/L	10		U	UJ	5.0
MW-52	Di-n-octylphthalate	ug/L	10		U	UJ	5.0
MW-52	Dibenzo(a,h)anthracene	ug/L	10		U	UJ	5.0
MW-52	Dibenzofuran	ug/L	10		U	UJ	5.0
MW-52	Diethylphthalate	ug/L	10		U	UJ	5.0
MW-52	Dimethylphthalate	ug/L	10		U	UJ	5.0
MW-52	Fluoranthene	ug/L	10		U	UJ	5.0
MW-52	Fluorene	ug/L	10		U	UJ	5.0
MW-52	Hexachlorobenzene	ug/L	10		U	UJ	5.0
MW-52	Hexachlorobutadiene	ug/L	10		U	UJ	5.0
MW-52	Hexachlorocyclopentadiene	ug/L	10		U	UJ	5.0

BOLD = Exceedance
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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-52	Hexachloroethane	ug/L	10		U	UJ	5.0
MW-52	Indeno(1,2,3-cd)pyrene	ug/L	10		U	UJ	5.0
MW-52	Isophorone	ug/L	10		U	UJ	5.0
MW-52	N-Nitroso-di-n-propylamine	ug/L	10		U	UJ	5.0
MW-52	N-Nitrosodiphenylamine	ug/L	10		U	UJ	5.0
MW-52	Naphthalene	ug/L	10		U	UJ	5.0
MW-52	Nitrobenzene	ug/L	10		U	UJ	5.0
MW-52	Pentachlorophenol	ug/L	25		U	UJ	20
MW-52	Phenanthrene	ug/L	10		U	UJ	5.0
MW-52	Phenol	ug/L	33	22		J	5.0
MW-52	Pyrene	ug/L	10		U	UJ	5.0
MW-53	1,2,4-Trichlorobenzene	ug/L	15		U	UJ	5.0
MW-53	1,2-Dichlorobenzene	ug/L	15		U	U	1.0
MW-53	1,3-Dichlorobenzene	ug/L	15		U	U	1.0
MW-53	1,4-Dichlorobenzene	ug/L	15		U	U	1.0
MW-53	2,2'-oxybis(1-Chloropropane)	ug/L	15		U	UJ	5.0
MW-53	2,4,5-Trichlorophenol	ug/L	38		U	UJ	20
MW-53	2,4,6-Trichlorophenol	ug/L	15		U	UJ	5.0
MW-53	2,4-Dichlorophenol	ug/L	15		U	UJ	5.0
MW-53	2,4-Dimethylphenol	ug/L	15		U	UJ	5.0
MW-53	2,4-Dinitrophenol	ug/L	38		U	UJ	20
MW-53	2,4-Dinitrotoluene	ug/L	15		U	UJ	5.0
MW-53	2,6-Dinitrotoluene	ug/L	15		U	UJ	5.0
MW-53	2-Chloronaphthalene	ug/L	15		U	UJ	5.0
MW-53	2-Chlorophenol	ug/L	15		U	UJ	5.0
MW-53	2-Methylnaphthalene	ug/L	15		U	UJ	5.0
MW-53	2-Methylphenol	ug/L	15		U	UJ	5.0
MW-53	2-Nitroaniline	ug/L	38		U	UJ	20
MW-53	2-Nitrophenol	ug/L	15		U	UJ	5.0
MW-53	3,3'-Dichlorobenzidine	ug/L	15		U	UJ	5.0
MW-53	3-Nitroaniline	ug/L	38		U	UJ	20
MW-53	4,6-Dinitro-2-methylphenol	ug/L	50		U	UJ	20
MW-53	4-Bromophenyl-phenylether	ug/L	15		U	UJ	5.0
MW-53	4-Chloro-3-methylphenol	ug/L	15		U	UJ	5.0
MW-53	4-Chloroaniline	ug/L	15		U	UJ	5.0
MW-53	4-Chlorophenyl-phenyl ether	ug/L	15		U	UJ	5.0
MW-53	4-Methylphenol	ug/L	11		U	UJ	5.0
MW-53	4-Nitroaniline	ug/L	38		U	UJ	20
MW-53	4-Nitrophenol	ug/L	38		U	UJ	20
MW-53	Acenaphthene	ug/L	15		U	UJ	5.0
MW-53	Acenaphthylene	ug/L	15		U	UJ	5.0
MW-53	Anthracene	ug/L	15		U	UJ	5.0
MW-53	Benzo(a)anthracene	ug/L	15		U	UJ	5.0
MW-53	Benzo(a)pyrene	ug/L	15		U	UJ	5.0
MW-53	Benzo(b)fluoranthene	ug/L	15		U	UJ	5.0
MW-53	Benzo(g,h,i)perylene	ug/L	15		U	UJ	5.0
MW-53	Benzo(k)fluoranthene	ug/L	15		U	UJ	5.0
MW-53	bis(2-Chloroethoxy)methane	ug/L	15		U	UJ	5.0
MW-53	bis(2-Chloroethyl) ether	ug/L	15		U	UJ	5.0

BOLD = Exceedance
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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-53	bis(2-Ethylhexyl)phthalate	ug/L	21	3.0	J	J	5.0
MW-53	Butylbenzylphthalate	ug/L	15		U	UJ	5.0
MW-53	Carbazole	ug/L	15		U	UJ	5.0
MW-53	Chrysene	ug/L	15		U	UJ	5.0
MW-53	Di-n-butylphthalate	ug/L	15	0.70	J	J	5.0
MW-53	Di-n-octylphthalate	ug/L	15		U	UJ	5.0
MW-53	Dibenzo(a,h)anthracene	ug/L	15		U	UJ	5.0
MW-53	Dibenzofuran	ug/L	15		U	UJ	5.0
MW-53	Diethylphthalate	ug/L	15		U	UJ	5.0
MW-53	Dimethylphthalate	ug/L	15		U	UJ	5.0
MW-53	Fluoranthene	ug/L	15		U	UJ	5.0
MW-53	Fluorene	ug/L	15		U	UJ	5.0
MW-53	Hexachlorobenzene	ug/L	15		U	UJ	5.0
MW-53	Hexachlorobutadiene	ug/L	15		U	UJ	5.0
MW-53	Hexachlorocyclopentadiene	ug/L	15		U	UJ	5.0
MW-53	Hexachloroethane	ug/L	15		U	UJ	5.0
MW-53	Indeno(1,2,3-cd)pyrene	ug/L	15		U	UJ	5.0
MW-53	Isophorone	ug/L	10	4.0	J	J	5.0
MW-53	N-Nitroso-di-n-propylamine	ug/L	15		U	UJ	5.0
MW-53	N-Nitrosodiphenylamine	ug/L	15		U	UJ	5.0
MW-53	Naphthalene	ug/L	15		U	UJ	5.0
MW-53	Nitrobenzene	ug/L	15		U	UJ	5.0
MW-53	Pentachlorophenol	ug/L	38		U	UJ	20
MW-53	Phenanthrene	ug/L	15		U	UJ	5.0
MW-53	Phenol	ug/L	58	46		J	5.0
MW-53	Pyrene	ug/L	15		U	UJ	5.0
MW-54	1,2,4-Trichlorobenzene	ug/L	30		U	U	5.0
MW-54	1,2-Dichlorobenzene	ug/L	30		U	U	1.0
MW-54	1,3-Dichlorobenzene	ug/L	30		U	U	1.0
MW-54	1,4-Dichlorobenzene	ug/L	30		U	U	1.0
MW-54	2,2'-oxybis(1-Chloropropane)	ug/L	30		U	U	5.0
MW-54	2,4,5-Trichlorophenol	ug/L	75		U	U	20
MW-54	2,4,6-Trichlorophenol	ug/L	30		U	U	5.0
MW-54	2,4-Dichlorophenol	ug/L	30		U	U	5.0
MW-54	2,4-Dimethylphenol	ug/L	30		U	U	5.0
MW-54	2,4-Dinitrophenol	ug/L	75		U	U	20
MW-54	2,4-Dinitrotoluene	ug/L	30		U	U	5.0
MW-54	2,6-Dinitrotoluene	ug/L	30		U	U	5.0
MW-54	2-Chloronaphthalene	ug/L	30		U	U	5.0
MW-54	2-Chlorophenol	ug/L	30		U	U	5.0
MW-54	2-Methylnaphthalene	ug/L	30		U	U	5.0
MW-54	2-Methylphenol	ug/L	30		U	U	5.0
MW-54	2-Nitroaniline	ug/L	75		U	U	20
MW-54	2-Nitrophenol	ug/L	30		U	U	5.0
MW-54	3,3'-Dichlorobenzidine	ug/L	30		U	U	5.0
MW-54	3-Nitroaniline	ug/L	75		U	U	20
MW-54	4,6-Dinitro-2-methylphenol	ug/L	75		U	U	20
MW-54	4-Bromophenyl-phenylether	ug/L	30		U	U	5.0
MW-54	4-Chloro-3-methylphenol	ug/L	30		U	U	5.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-54	4-Chloroaniline	ug/L	30		U	U	5.0
MW-54	4-Chlorophenyl-phenyl ether	ug/L	30		U	U	5.0
MW-54	4-Methylphenol	ug/L	30		U	U	5.0
MW-54	4-Nitroaniline	ug/L	75		U	U	20
MW-54	4-Nitrophenol	ug/L	75		U	U	20
MW-54	Acenaphthene	ug/L	30		U	U	5.0
MW-54	Acenaphthylene	ug/L	30		U	U	5.0
MW-54	Anthracene	ug/L	30		U	U	5.0
MW-54	Benzo(a)anthracene	ug/L	30		U	U	5.0
MW-54	Benzo(a)pyrene	ug/L	30		U	U	5.0
MW-54	Benzo(b)fluoranthene	ug/L	30		U	U	5.0
MW-54	Benzo(g,h,i)perylene	ug/L	30		U	U	5.0
MW-54	Benzo(k)fluoranthene	ug/L	30		U	U	5.0
MW-54	bis(2-Chloroethoxy)methane	ug/L	30		U	U	5.0
MW-54	bis(2-Chloroethyl) ether	ug/L	30		U	U	5.0
MW-54	bis(2-Ethylhexyl)phthalate	ug/L	39		U	U	5.0
MW-54	Butylbenzylphthalate	ug/L	30		U	U	5.0
MW-54	Carbazole	ug/L	30		U	U	5.0
MW-54	Chrysene	ug/L	30		U	U	5.0
MW-54	Di-n-butylphthalate	ug/L	30		U	U	5.0
MW-54	Di-n-octylphthalate	ug/L	30		U	U	5.0
MW-54	Dibenzo(a,h)anthracene	ug/L	30		U	U	5.0
MW-54	Dibenzofuran	ug/L	30		U	U	5.0
MW-54	Diethylphthalate	ug/L	30		U	U	5.0
MW-54	Dimethylphthalate	ug/L	30		U	U	5.0
MW-54	Fluoranthene	ug/L	30		U	U	5.0
MW-54	Fluorene	ug/L	30		U	U	5.0
MW-54	Hexachlorobenzene	ug/L	30		U	U	5.0
MW-54	Hexachlorobutadiene	ug/L	30		U	U	5.0
MW-54	Hexachlorocyclopentadiene	ug/L	30		U	UJ	5.0
MW-54	Hexachloroethane	ug/L	30		U	U	5.0
MW-54	Indeno(1,2,3-cd)pyrene	ug/L	30		U	U	5.0
MW-54	Isophorone	ug/L	30		U	U	5.0
MW-54	N-Nitroso-di-n-propylamine	ug/L	30		U	U	5.0
MW-54	N-Nitrosodiphenylamine	ug/L	30		U	U	5.0
MW-54	Naphthalene	ug/L	30		U	U	5.0
MW-54	Nitrobenzene	ug/L	30		U	U	5.0
MW-54	Pentachlorophenol	ug/L	75		U	U	20
MW-54	Phenanthrene	ug/L	30		U	U	5.0
MW-54	Phenol	ug/L	160	3.0	J		5.0
MW-54	Pyrene	ug/L	30		U	U	5.0
MW-55	1,2,4-Trichlorobenzene	ug/L	10		U	U	5.0
MW-55	1,2-Dichlorobenzene	ug/L	10		U	U	1.0
MW-55	1,3-Dichlorobenzene	ug/L	10		U	U	1.0
MW-55	1,4-Dichlorobenzene	ug/L	10		U	U	1.0
MW-55	2,2'-oxybis(1-Chloropropane)	ug/L	10		U	U	5.0
MW-55	2,4,5-Trichlorophenol	ug/L	25		U	U	20
MW-55	2,4,6-Trichlorophenol	ug/L	10		U	U	5.0
MW-55	2,4-Dichlorophenol	ug/L	10		U	U	5.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-55	2,4-Dimethylphenol	ug/L	10		U	U	5.0
MW-55	2,4-Dinitrophenol	ug/L	25		U	U	20
MW-55	2,4-Dinitrotoluene	ug/L	10		U	U	5.0
MW-55	2,6-Dinitrotoluene	ug/L	10		U	U	5.0
MW-55	2-Chloronaphthalene	ug/L	10		U	U	5.0
MW-55	2-Chlorophenol	ug/L	10		U	U	5.0
MW-55	2-Methylnaphthalene	ug/L	10		U	U	5.0
MW-55	2-Methylphenol	ug/L	10		U	U	5.0
MW-55	2-Nitroaniline	ug/L	25		U	U	20
MW-55	2-Nitrophenol	ug/L	10		U	U	5.0
MW-55	3,3'-Dichlorobenzidine	ug/L	10		U	U	5.0
MW-55	3-Nitroaniline	ug/L	25		U	U	20
MW-55	4,6-Dinitro-2-methylphenol	ug/L	25		U	U	20
MW-55	4-Bromophenyl-phenylether	ug/L	10		U	U	5.0
MW-55	4-Chloro-3-methylphenol	ug/L	10		U	U	5.0
MW-55	4-Chloroaniline	ug/L	10		U	U	5.0
MW-55	4-Chlorophenyl-phenyl ether	ug/L	10		U	U	5.0
MW-55	4-Methylphenol	ug/L	10		U	U	5.0
MW-55	4-Nitroaniline	ug/L	25		U	U	20
MW-55	4-Nitrophenol	ug/L	25		U	U	20
MW-55	Acenaphthene	ug/L	10		U	U	5.0
MW-55	Acenaphthylene	ug/L	10		U	U	5.0
MW-55	Anthracene	ug/L	10		U	U	5.0
MW-55	Benzo(a)anthracene	ug/L	10		U	U	5.0
MW-55	Benzo(a)pyrene	ug/L	10		U	U	5.0
MW-55	Benzo(b)fluoranthene	ug/L	10		U	U	5.0
MW-55	Benzo(g,h,i)perylene	ug/L	10		U	U	5.0
MW-55	Benzo(k)fluoranthene	ug/L	10		U	U	5.0
MW-55	bis(2-Chloroethoxy)methane	ug/L	10		U	U	5.0
MW-55	bis(2-Chloroethyl) ether	ug/L	10		U	U	5.0
MW-55	bis(2-Ethylhexyl)phthalate	ug/L	40	6.0			5.0
MW-55	Butylbenzylphthalate	ug/L	10		U	U	5.0
MW-55	Carbazole	ug/L	10		U	U	5.0
MW-55	Chrysene	ug/L	10		U	U	5.0
MW-55	Di-n-butylphthalate	ug/L	10		U	U	5.0
MW-55	Di-n-octylphthalate	ug/L	10		U	U	5.0
MW-55	Dibenzo(a,h)anthracene	ug/L	10		U	U	5.0
MW-55	Dibenzofuran	ug/L	10		U	U	5.0
MW-55	Diethylphthalate	ug/L	10		U	U	5.0
MW-55	Dimethylphthalate	ug/L	10		U	U	5.0
MW-55	Fluoranthene	ug/L	10		U	U	5.0
MW-55	Fluorene	ug/L	10		U	U	5.0
MW-55	Hexachlorobenzene	ug/L	10		U	U	5.0
MW-55	Hexachlorobutadiene	ug/L	10		U	U	5.0
MW-55	Hexachlorocyclopentadiene	ug/L	10		U	UJ	5.0
MW-55	Hexachloroethane	ug/L	10		U	U	5.0
MW-55	Indeno(1,2,3-cd)pyrene	ug/L	10		U	U	5.0
MW-55	Isophorone	ug/L	10		U	U	5.0
MW-55	N-Nitroso-di-n-propylamine	ug/L	10		U	U	5.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-55	N-Nitrosodiphenylamine	ug/L	10		U	U	5.0
MW-55	Naphthalene	ug/L	10		U	U	5.0
MW-55	Nitrobenzene	ug/L	10		U	U	5.0
MW-55	Pentachlorophenol	ug/L	25		U	U	20
MW-55	Phenanthrene	ug/L	10		U	U	5.0
MW-55	Phenol	ug/L	39	**50**			5.0
MW-55	Pyrene	ug/L	10		U	U	5.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
M-1S	4,4'-DDD	ug/L	0.10		U	U	0.02
M-1S	4,4'-DDE	ug/L	0.10		U	U	0.02
M-1S	4,4'-DDT	ug/L	0.10		U	U	0.02
M-1S	Aldrin	ug/L	0.05		U	U	0.01
M-1S	alpha-BHC	ug/L	0.05		U	U	0.01
M-1S	alpha-Chlordane	ug/L	0.05		U	U	0.01
M-1S	Aroclor-1016	ug/L	1.0		U	U	0.20
M-1S	Aroclor-1221	ug/L	2.0		U	U	0.40
M-1S	Aroclor-1232	ug/L	1.0		U	U	0.20
M-1S	Aroclor-1242	ug/L	1.0		U	U	0.20
M-1S	Aroclor-1248	ug/L	1.0		U	U	0.20
M-1S	Aroclor-1254	ug/L	1.0		U	U	0.20
M-1S	Aroclor-1260	ug/L	1.0		U	U	0.20
M-1S	beta-BHC	ug/L	0.05		U	U	0.01
M-1S	delta-BHC	ug/L	0.05		U	U	0.01
M-1S	Dieldrin	ug/L	0.10		U	U	0.01
M-1S	Endosulfan I	ug/L	0.05		U	U	0.01
M-1S	Endosulfan II	ug/L	0.10		U	U	0.02
M-1S	Endosulfan sulfate	ug/L	0.10		U	U	0.02
M-1S	Endrin	ug/L	0.10		U	U	0.02
M-1S	Endrin aldehyde	ug/L	0.10		U	U	0.02
M-1S	Endrin ketone	ug/L	0.10		U	U	0.02
M-1S	gamma-BHC	ug/L	0.05		U	U	0.01
M-1S	gamma-Chlordane	ug/L	0.05		U	U	0.01
M-1S	Heptachlor	ug/L	0.05		U	U	0.01
M-1S	Heptachlor epoxide	ug/L	0.05		U	U	0.01
M-1S	Methoxychlor	ug/L	0.50		U	U	0.10
M-1S	Toxaphene	ug/L	5.0		U	U	1.0
M-3S	4,4'-DDD	ug/L	0.10			U	0.02
M-3S	4,4'-DDE	ug/L	0.10			U	0.02
M-3S	4,4'-DDT	ug/L	0.10			U	0.02
M-3S	Aldrin	ug/L	0.05			U	0.01
M-3S	alpha-BHC	ug/L	0.05			U	0.01
M-3S	alpha-Chlordane	ug/L	0.05			U	0.01
M-3S	Aroclor-1016	ug/L	1.0			U	0.20
M-3S	Aroclor-1221	ug/L	2.0			U	0.40
M-3S	Aroclor-1232	ug/L	1.0			U	0.20
M-3S	Aroclor-1242	ug/L	1.0			U	0.20
M-3S	Aroclor-1248	ug/L	1.0			U	0.20
M-3S	Aroclor-1254	ug/L	1.0			U	0.20
M-3S	Aroclor-1260	ug/L	1.0			U	0.20
M-3S	beta-BHC	ug/L	0.05			U	0.01
M-3S	delta-BHC	ug/L	0.05			U	0.01
M-3S	Dieldrin	ug/L	0.10			U	0.02
M-3S	Endosulfan I	ug/L	0.05			U	0.01
M-3S	Endosulfan II	ug/L	0.10			U	0.02
M-3S	Endosulfan sulfate	ug/L	0.10			U	0.02
M-3S	Endrin	ug/L	0.10			U	0.02
M-3S	Endrin aldehyde	ug/L	0.10			U	0.02

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
M-3S	Endrin ketone	ug/L	0.10			U	0.02
M-3S	gamma-BHC	ug/L	0.05			U	0.01
M-3S	gamma-Chlordane	ug/L	0.05			U	0.01
M-3S	Heptachlor	ug/L	0.05			U	0.01
M-3S	Heptachlor epoxide	ug/L	0.05			U	0.01
M-3S	Methoxychlor	ug/L	0.50			U	0.10
M-3S	Toxaphene	ug/L	5.0			U	1.0
M-4D	4,4'-DDD	ug/L	0.10		U	U	0.02
M-4D	4,4'-DDE	ug/L	0.10		U	U	0.02
M-4D	4,4'-DDT	ug/L	0.10		U	U	0.02
M-4D	Aldrin	ug/L	0.05		U	U	0.01
M-4D	alpha-BHC	ug/L	0.05		U	U	0.01
M-4D	alpha-Chlordane	ug/L	0.05		U	U	0.01
M-4D	Aroclor-1016	ug/L	1.0		U	U	0.20
M-4D	Aroclor-1221	ug/L	2.0		U	U	0.40
M-4D	Aroclor-1232	ug/L	1.0		U	U	0.20
M-4D	Aroclor-1242	ug/L	1.0		U	U	0.20
M-4D	Aroclor-1248	ug/L	1.0		U	U	0.20
M-4D	Aroclor-1254	ug/L	1.0		U	U	0.20
M-4D	Aroclor-1260	ug/L	1.0		U	U	0.20
M-4D	beta-BHC	ug/L	0.05		U	U	0.01
M-4D	delta-BHC	ug/L	0.05		U	U	0.01
M-4D	Dieldrin	ug/L	0.10		U	U	0.02
M-4D	Endosulfan I	ug/L	0.05		U	U	0.01
M-4D	Endosulfan II	ug/L	0.10		U	U	0.02
M-4D	Endosulfan sulfate	ug/L	0.10		U	U	0.02
M-4D	Endrin	ug/L	0.10		U	U	0.02
M-4D	Endrin aldehyde	ug/L	0.10		U	U	0.02
M-4D	Endrin ketone	ug/L	0.10		U	U	0.02
M-4D	gamma-BHC	ug/L	0.05		U	U	0.01
M-4D	gamma-Chlordane	ug/L	0.05		U	U	0.01
M-4D	Heptachlor	ug/L	0.05		U	U	0.01
M-4D	Heptachlor epoxide	ug/L	0.05		U	U	0.01
M-4D	Methoxychlor	ug/L	0.50		U	U	0.10
M-4D	Toxaphene	ug/L	5.0		U	U	1.0
M-4S	4,4'-DDD	ug/L	0.10		U	U	0.02
M-4S	4,4'-DDE	ug/L	0.10		U	U	0.02
M-4S	4,4'-DDT	ug/L	0.10		U	U	0.02
M-4S	Aldrin	ug/L	0.05		U	U	0.01
M-4S	alpha-BHC	ug/L	0.05		U	U	0.01
M-4S	alpha-Chlordane	ug/L	0.05		U	U	0.01
M-4S	Aroclor-1016	ug/L	1.0		U	U	0.20
M-4S	Aroclor-1221	ug/L	2.0		U	U	0.40
M-4S	Aroclor-1232	ug/L	1.0		U	U	0.20
M-4S	Aroclor-1242	ug/L	1.0		U	U	0.20
M-4S	Aroclor-1248	ug/L	1.0		U	U	0.20
M-4S	Aroclor-1254	ug/L	1.0		U	U	0.20
M-4S	Aroclor-1260	ug/L	1.0		U	U	0.20
M-4S	beta-BHC	ug/L	0.05		U	U	0.01

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
M-4S	delta-BHC	ug/L	0.05		U	U	0.01
M-4S	Dieldrin	ug/L	0.10		U	U	0.02
M-4S	Endosulfan I	ug/L	0.05		U	U	0.01
M-4S	Endosulfan II	ug/L	0.10		U	U	0.02
M-4S	Endosulfan sulfate	ug/L	0.10		U	U	0.02
M-4S	Endrin	ug/L	0.10		U	U	0.02
M-4S	Endrin aldehyde	ug/L	0.10		U	U	0.02
M-4S	Endrin ketone	ug/L	0.10		U	U	0.02
M-4S	gamma-BHC	ug/L	0.05		U	U	0.01
M-4S	gamma-Chlordane	ug/L	0.05		U	U	0.01
M-4S	Heptachlor	ug/L	0.05		U	U	0.01
M-4S	Heptachlor epoxide	ug/L	0.05		U	U	0.01
M-4S	Methoxychlor	ug/L	0.50		U	U	0.10
M-4S	Toxaphene	ug/L	5.0		U	U	1.0
MW-06	4,4'-DDD	ug/L	0.10		U	U	0.02
MW-06	4,4'-DDE	ug/L	0.10		U	U	0.02
MW-06	4,4'-DDT	ug/L	0.10		U	U	0.02
MW-06	Aldrin	ug/L	0.05		U	U	0.01
MW-06	alpha-BHC	ug/L	0.05		U	U	0.01
MW-06	alpha-Chlordane	ug/L	0.05		U	U	0.01
MW-06	Aroclor-1016	ug/L	1.0		U	U	0.20
MW-06	Aroclor-1221	ug/L	2.0		U	U	0.40
MW-06	Aroclor-1232	ug/L	1.0		U	U	0.20
MW-06	Aroclor-1242	ug/L	1.0		U	U	0.20
MW-06	Aroclor-1248	ug/L	1.0		U	U	0.20
MW-06	Aroclor-1254	ug/L	1.0		U	U	0.20
MW-06	Aroclor-1260	ug/L	1.0		U	U	0.20
MW-06	beta-BHC	ug/L	0.05		U	U	0.01
MW-06	delta-BHC	ug/L	0.05		U	U	0.01
MW-06	Dieldrin	ug/L	0.10		U	U	0.02
MW-06	Endosulfan I	ug/L	0.05		U	U	0.01
MW-06	Endosulfan II	ug/L	0.10		U	U	0.02
MW-06	Endosulfan sulfate	ug/L	0.10		U	U	0.02
MW-06	Endrin	ug/L	0.10		U	U	0.02
MW-06	Endrin aldehyde	ug/L	0.10		U	U	0.02
MW-06	Endrin ketone	ug/L	0.10		U	U	0.02
MW-06	gamma-BHC	ug/L	0.05		U	U	0.01
MW-06	gamma-Chlordane	ug/L	0.05		U	U	0.01
MW-06	Heptachlor	ug/L	0.05		U	U	0.01
MW-06	Heptachlor epoxide	ug/L	0.05		U	U	0.01
MW-06	Methoxychlor	ug/L	0.50		U	U	0.10
MW-06	Toxaphene	ug/L	5.0		U	U	1.0
MW-07	4,4'-DDD	ug/L	0.10		U	U	0.02
MW-07	4,4'-DDE	ug/L	0.10		U	U	0.02
MW-07	4,4'-DDT	ug/L	0.10		U	U	0.02
MW-07	Aldrin	ug/L	0.05		U	U	0.01
MW-07	alpha-BHC	ug/L	0.05		U	U	0.01
MW-07	alpha-Chlordane	ug/L	0.05		U	U	0.01
MW-07	Aroclor-1016	ug/L	1.0		U	U	0.20

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-07	Aroclor-1221	ug/L	2.0		U	U	0.40
MW-07	Aroclor-1232	ug/L	1.0		U	U	0.20
MW-07	Aroclor-1242	ug/L	1.0		U	U	0.20
MW-07	Aroclor-1248	ug/L	1.0		U	U	0.20
MW-07	Aroclor-1254	ug/L	1.0		U	U	0.20
MW-07	Aroclor-1260	ug/L	1.0		U	U	0.20
MW-07	beta-BHC	ug/L	0.05		U	U	0.01
MW-07	delta-BHC	ug/L	0.05		U	U	0.01
MW-07	Dieldrin	ug/L	0.10		U	U	0.02
MW-07	Endosulfan I	ug/L	0.05		U	U	0.01
MW-07	Endosulfan II	ug/L	0.10		U	U	0.02
MW-07	Endosulfan sulfate	ug/L	0.10		U	U	0.02
MW-07	Endrin	ug/L	0.10		U	U	0.02
MW-07	Endrin aldehyde	ug/L	0.10		U	U	0.02
MW-07	Endrin ketone	ug/L	0.10		U	U	0.02
MW-07	gamma-BHC	ug/L	0.05		U	U	0.01
MW-07	gamma-Chlordane	ug/L	0.05		U	U	0.01
MW-07	Heptachlor	ug/L	0.05		U	U	0.01
MW-07	Heptachlor epoxide	ug/L	0.05		U	U	0.01
MW-07	Methoxychlor	ug/L	0.50		U	U	0.10
MW-07	Toxaphene	ug/L	5.0		U	U	1.0
MW-08	4,4'-DDD	ug/L	0.10			U	0.02
MW-08	4,4'-DDE	ug/L	0.10			U	0.02
MW-08	4,4'-DDT	ug/L	0.10			U	0.02
MW-08	Aldrin	ug/L	0.05			U	0.01
MW-08	alpha-BHC	ug/L	0.05			U	0.01
MW-08	alpha-Chlordane	ug/L	0.05			U	0.01
MW-08	Aroclor-1016	ug/L	1.0			U	0.20
MW-08	Aroclor-1221	ug/L	2.0			U	0.40
MW-08	Aroclor-1232	ug/L	1.0			U	0.20
MW-08	Aroclor-1242	ug/L	1.0			U	0.20
MW-08	Aroclor-1248	ug/L	1.0			U	0.20
MW-08	Aroclor-1254	ug/L	1.0			U	0.20
MW-08	Aroclor-1260	ug/L	1.0			U	0.20
MW-08	beta-BHC	ug/L	0.05			U	0.01
MW-08	delta-BHC	ug/L	0.05			U	0.01
MW-08	Dieldrin	ug/L	0.10			U	0.02
MW-08	Endosulfan I	ug/L	0.05			U	0.01
MW-08	Endosulfan II	ug/L	0.10			U	0.02
MW-08	Endosulfan sulfate	ug/L	0.10			U	0.02
MW-08	Endrin	ug/L	0.10			U	0.02
MW-08	Endrin aldehyde	ug/L	0.10			U	0.02
MW-08	Endrin ketone	ug/L	0.10			U	0.02
MW-08	gamma-BHC	ug/L	0.05			U	0.01
MW-08	gamma-Chlordane	ug/L	0.05			U	0.01
MW-08	Heptachlor	ug/L	0.05			U	0.01
MW-08	Heptachlor epoxide	ug/L	0.05			U	0.01
MW-08	Methoxychlor	ug/L	0.50			U	0.10
MW-08	Toxaphene	ug/L	5.0			U	1.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-09	4,4'-DDD	ug/L	0.10		U		0.02
MW-09	4,4'-DDD	ug/L	0.10		U		0.02
MW-09	4,4'-DDE	ug/L	0.10		U		0.02
MW-09	4,4'-DDT	ug/L	0.10		U		0.02
MW-09	Aldrin	ug/L	0.05		U		0.01
MW-09	alpha-BHC	ug/L	0.05		U		0.01
MW-09	alpha-Chlordane	ug/L	0.05		U		0.01
MW-09	Aroclor-1016	ug/L	1.0		U		0.20
MW-09	Aroclor-1221	ug/L	2.0		U		0.40
MW-09	Aroclor-1232	ug/L	1.0		U		0.20
MW-09	Aroclor-1242	ug/L	1.0		U		0.20
MW-09	Aroclor-1248	ug/L	1.0		U		0.20
MW-09	Aroclor-1254	ug/L	1.0		U		0.20
MW-09	Aroclor-1260	ug/L	1.0		U		0.20
MW-09	beta-BHC	ug/L	0.05		U		0.01
MW-09	delta-BHC	ug/L	0.05		U		0.01
MW-09	Dieldrin	ug/L	0.10		U		0.02
MW-09	Endosulfan I	ug/L	0.05		U		0.01
MW-09	Endosulfan II	ug/L	0.10		U		0.02
MW-09	Endosulfan sulfate	ug/L	0.10		U		0.02
MW-09	Endrin	ug/L	0.10		U		0.02
MW-09	Endrin aldehyde	ug/L	0.10		U		0.02
MW-09	Endrin ketone	ug/L	0.10		U		0.02
MW-09	gamma-BHC	ug/L	0.05		U		0.01
MW-09	gamma-Chlordane	ug/L	0.05		U		0.01
MW-09	Heptachlor	ug/L	0.05		U		0.01
MW-09	Heptachlor epoxide	ug/L	0.05		U		0.01
MW-09	Methoxychlor	ug/L	0.50		U		0.10
MW-09	Toxaphene	ug/L	5.0		U		1.0
MW-10C	4,4'-DDE	ug/L	0.10		U		0.02
MW-10C	4,4'-DDT	ug/L	0.10		U		0.02
MW-10C	Aldrin	ug/L	0.05		U		0.01
MW-10C	alpha-BHC	ug/L	0.05		U		0.01
MW-10C	alpha-Chlordane	ug/L	0.05		U		0.01
MW-10C	Aroclor-1016	ug/L	1.0		U		0.20
MW-10C	Aroclor-1221	ug/L	2.0		U		0.40
MW-10C	Aroclor-1232	ug/L	1.0		U		0.20
MW-10C	Aroclor-1242	ug/L	1.0		U		0.20
MW-10C	Aroclor-1248	ug/L	1.0		U		0.20
MW-10C	Aroclor-1254	ug/L	1.0		U		0.20
MW-10C	Aroclor-1260	ug/L	1.0		U		0.20
MW-10C	beta-BHC	ug/L	0.05		U		0.01
MW-10C	delta-BHC	ug/L	0.05		U		0.01
MW-10C	Dieldrin	ug/L	0.10		U		0.02
MW-10C	Endosulfan I	ug/L	0.05		U		0.01
MW-10C	Endosulfan II	ug/L	0.10		U		0.02
MW-10C	Endosulfan sulfate	ug/L	0.10		U		0.02
MW-10C	Endrin	ug/L	0.10		U		0.02
MW-10C	Endrin aldehyde	ug/L	0.10		U		0.02

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December 1997
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Griffith, Indiana

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				Result	LQ	DQ	Detect Limit
MW-10C	Endrin ketone	ug/L	0.10		U		0.02
MW-10C	gamma-BHC	ug/L	0.05		U		0.01
MW-10C	gamma-Chlordane	ug/L	0.05		U		0.01
MW-10C	Heptachlor	ug/L	0.05		U		0.01
MW-10C	Heptachlor epoxide	ug/L	0.05		U		0.01
MW-10C	Methoxychlor	ug/L	0.50		U		0.10
MW-10C	Toxaphene	ug/L	5.0		U		1.0
MW-11	4,4'-DDD	ug/L	0.10		U	U	0.02
MW-11	4,4'-DDE	ug/L	0.10		U	U	0.02
MW-11	4,4'-DDT	ug/L	0.10		U	U	0.02
MW-11	Aldrin	ug/L	0.05		U	U	0.01
MW-11	alpha-BHC	ug/L	0.05		U	U	0.01
MW-11	alpha-Chlordane	ug/L	0.05		U	U	0.01
MW-11	Aroclor-1016	ug/L	1.0		U	U	0.20
MW-11	Aroclor-1221	ug/L	2.0		U	U	0.40
MW-11	Aroclor-1232	ug/L	1.0		U	U	0.20
MW-11	Aroclor-1242	ug/L	1.0		U	U	0.20
MW-11	Aroclor-1248	ug/L	1.0		U	U	0.20
MW-11	Aroclor-1254	ug/L	1.0		U	U	0.20
MW-11	Aroclor-1260	ug/L	1.0		U	U	0.20
MW-11	beta-BHC	ug/L	0.05		U	U	0.01
MW-11	delta-BHC	ug/L	0.05		U	U	0.01
MW-11	Dieldrin	ug/L	0.10		U	U	0.02
MW-11	Endosulfan I	ug/L	0.05		U	U	0.01
MW-11	Endosulfan II	ug/L	0.10		U	U	0.02
MW-11	Endosulfan sulfate	ug/L	0.10		U	U	0.02
MW-11	Endrin	ug/L	0.10		U	U	0.02
MW-11	Endrin aldehyde	ug/L	0.10		U	U	0.02
MW-11	Endrin ketone	ug/L	0.10		U	U	0.02
MW-11	gamma-BHC	ug/L	0.05		U	U	0.01
MW-11	gamma-Chlordane	ug/L	0.05		U	U	0.01
MW-11	Heptachlor	ug/L	0.05		U	U	0.01
MW-11	Heptachlor epoxide	ug/L	0.05		U	U	0.01
MW-11	Methoxychlor	ug/L	0.50		U	U	0.10
MW-11	Toxaphene	ug/L	5.0		U	U	1.0
MW-12	4,4'-DDD	ug/L	0.10		U	UJ	0.02
MW-12	4,4'-DDE	ug/L	0.10		U	UJ	0.02
MW-12	4,4'-DDT	ug/L	0.10		U	UJ	0.02
MW-12	Aldrin	ug/L	0.05		U	UJ	0.01
MW-12	alpha-BHC	ug/L	0.05		U	UJ	0.01
MW-12	alpha-Chlordane	ug/L	0.05		U	UJ	0.01
MW-12	Aroclor-1016	ug/L	1.0		U	UJ	0.20
MW-12	Aroclor-1221	ug/L	2.0		U	UJ	0.40
MW-12	Aroclor-1232	ug/L	1.0		U	UJ	0.20
MW-12	Aroclor-1242	ug/L	1.0		U	UJ	0.20
MW-12	Aroclor-1248	ug/L	1.0		U	UJ	0.20
MW-12	Aroclor-1254	ug/L	1.0		U	UJ	0.20
MW-12	Aroclor-1260	ug/L	1.0		U	UJ	0.20
MW-12	beta-BHC	ug/L	0.05		U	UJ	0.01

BOLD = Exceedance
NA = Not Available

Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-12	delta-BHC	ug/L	0.05		U	UJ	0.01
MW-12	Dieldrin	ug/L	0.10		U	UJ	0.02
MW-12	Endosulfan I	ug/L	0.05		U	UJ	0.01
MW-12	Endosulfan II	ug/L	0.10		U	UJ	0.02
MW-12	Endosulfan sulfate	ug/L	0.10		U	UJ	0.02
MW-12	Endrin	ug/L	0.10		U	UJ	0.02
MW-12	Endrin aldehyde	ug/L	0.10		U	UJ	0.02
MW-12	Endrin ketone	ug/L	0.10		U	UJ	0.02
MW-12	gamma-BHC	ug/L	0.05		U	UJ	0.01
MW-12	gamma-Chlordane	ug/L	0.05		U	UJ	0.01
MW-12	Heptachlor	ug/L	0.05		U	UJ	0.01
MW-12	Heptachlor epoxide	ug/L	0.05		U	UJ	0.01
MW-12	Methoxychlor	ug/L	0.50		U	UJ	0.10
MW-12	Toxaphene	ug/L	5.0		U	UJ	1.0
MW-13	4,4'-DDD	ug/L	0.10		U	U	0.02
MW-13	4,4'-DDE	ug/L	0.10		U	U	0.02
MW-13	4,4'-DDT	ug/L	0.10		U	U	0.02
MW-13	Aldrin	ug/L	0.05		U	U	0.01
MW-13	alpha-BHC	ug/L	0.05		U	U	0.01
MW-13	alpha-Chlordane	ug/L	0.05		U	U	0.01
MW-13	Aroclor-1016	ug/L	1.0		U	U	0.20
MW-13	Aroclor-1221	ug/L	2.0		U	U	0.40
MW-13	Aroclor-1232	ug/L	1.0		U	U	0.20
MW-13	Aroclor-1242	ug/L	1.0		U	U	0.20
MW-13	Aroclor-1248	ug/L	1.0		U	U	0.20
MW-13	Aroclor-1254	ug/L	1.0		U	U	0.20
MW-13	Aroclor-1260	ug/L	1.0		U	U	0.20
MW-13	beta-BHC	ug/L	0.05		U	U	0.01
MW-13	delta-BHC	ug/L	0.05		U	U	0.01
MW-13	Dieldrin	ug/L	0.10		U	U	0.02
MW-13	Endosulfan I	ug/L	0.05		U	U	0.01
MW-13	Endosulfan II	ug/L	0.10		U	U	0.02
MW-13	Endosulfan sulfate	ug/L	0.10		U	U	0.02
MW-13	Endrin	ug/L	0.10		U	U	0.02
MW-13	Endrin aldehyde	ug/L	0.10		U	U	0.02
MW-13	Endrin ketone	ug/L	0.10		U	U	0.02
MW-13	gamma-BHC	ug/L	0.05		U	U	0.01
MW-13	gamma-Chlordane	ug/L	0.05		U	U	0.01
MW-13	Heptachlor	ug/L	0.05		U	U	0.01
MW-13	Heptachlor epoxide	ug/L	0.05		U	U	0.01
MW-13	Methoxychlor	ug/L	0.50		U	U	0.10
MW-13	Toxaphene	ug/L	5.0		U	U	1.0
MW-14	4,4'-DDD	ug/L	0.10		U	UJ	0.02
MW-14	4,4'-DDE	ug/L	0.10		U	UJ	0.02
MW-14	4,4'-DDT	ug/L	0.10		U	UJ	0.02
MW-14	Aldrin	ug/L	0.05		U	UJ	0.01
MW-14	alpha-BHC	ug/L	0.05		U	UJ	0.01
MW-14	alpha-Chlordane	ug/L	0.05		U	UJ	0.01
MW-14	Aroclor-1016	ug/L	1.0		U	UJ	0.20

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-14	Aroclor-1221	ug/L	2.0		U	UJ	0.40
MW-14	Aroclor-1232	ug/L	1.0		U	UJ	0.20
MW-14	Aroclor-1242	ug/L	1.0		U	UJ	0.20
MW-14	Aroclor-1248	ug/L	1.0		U	UJ	0.20
MW-14	Aroclor-1254	ug/L	1.0		U	UJ	0.20
MW-14	Aroclor-1260	ug/L	1.0		U	UJ	0.20
MW-14	beta-BHC	ug/L	0.05		U	UJ	0.01
MW-14	delta-BHC	ug/L	0.05		U	UJ	0.01
MW-14	Dieldrin	ug/L	0.10		U	UJ	0.02
MW-14	Endosulfan I	ug/L	0.05		U	UJ	0.01
MW-14	Endosulfan II	ug/L	0.10		U	UJ	0.02
MW-14	Endosulfan sulfate	ug/L	0.10		U	UJ	0.02
MW-14	Endrin	ug/L	0.10		U	UJ	0.02
MW-14	Endrin aldehyde	ug/L	0.10		U	UJ	0.02
MW-14	Endrin ketone	ug/L	0.10		U	UJ	0.02
MW-14	gamma-BHC	ug/L	0.05		U	UJ	0.01
MW-14	gamma-Chlordane	ug/L	0.05		U	UJ	0.01
MW-14	Heptachlor	ug/L	0.05		U	UJ	0.01
MW-14	Heptachlor epoxide	ug/L	0.05		U	UJ	0.01
MW-14	Methoxychlor	ug/L	0.50		U	UJ	0.10
MW-14	Toxaphene	ug/L	5.0		U	UJ	1.0
MW-15	4,4'-DDD	ug/L	0.10		U	U	0.02
MW-15	4,4'-DDE	ug/L	0.10		U	U	0.02
MW-15	4,4'-DDT	ug/L	0.10		U	U	0.02
MW-15	Aldrin	ug/L	0.05		U	U	0.01
MW-15	alpha-BHC	ug/L	0.05		U	U	0.01
MW-15	alpha-Chlordane	ug/L	0.05		U	U	0.01
MW-15	Aroclor-1016	ug/L	1.0		U	U	0.20
MW-15	Aroclor-1221	ug/L	2.0		U	U	0.40
MW-15	Aroclor-1232	ug/L	1.0		U	U	0.20
MW-15	Aroclor-1242	ug/L	1.0		U	U	0.20
MW-15	Aroclor-1248	ug/L	1.0		U	U	0.20
MW-15	Aroclor-1254	ug/L	1.0		U	U	0.20
MW-15	Aroclor-1260	ug/L	1.0		U	U	0.20
MW-15	beta-BHC	ug/L	0.05		U	U	0.01
MW-15	delta-BHC	ug/L	0.05		U	U	0.01
MW-15	Dieldrin	ug/L	0.10		U	U	0.02
MW-15	Endosulfan I	ug/L	0.05		U	U	0.01
MW-15	Endosulfan II	ug/L	0.10		U	U	0.02
MW-15	Endosulfan sulfate	ug/L	0.10		U	U	0.02
MW-15	Endrin	ug/L	0.10		U	U	0.02
MW-15	Endrin aldehyde	ug/L	0.10		U	U	0.02
MW-15	Endrin ketone	ug/L	0.10		U	U	0.02
MW-15	gamma-BHC	ug/L	0.05		U	U	0.01
MW-15	gamma-Chlordane	ug/L	0.05		U	U	0.01
MW-15	Heptachlor	ug/L	0.05		U	U	0.01
MW-15	Heptachlor epoxide	ug/L	0.05		U	U	0.01
MW-15	Methoxychlor	ug/L	0.50		U	U	0.10
MW-15	Toxaphene	ug/L	5.0		U	U	1.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-18	4,4'-DDD	ug/L	0.10		U	U	0.02
MW-18	4,4'-DDE	ug/L	0.10		U	U	0.02
MW-18	4,4'-DDT	ug/L	0.10		U	U	0.02
MW-18	Aldrin	ug/L	0.05		U	U	0.01
MW-18	alpha-BHC	ug/L	0.05		U	U	0.01
MW-18	alpha-Chlordane	ug/L	0.05		U	U	0.01
MW-18	Aroclor-1016	ug/L	1.0		U	U	0.20
MW-18	Aroclor-1221	ug/L	2.0		U	U	0.40
MW-18	Aroclor-1232	ug/L	1.0		U	U	0.20
MW-18	Aroclor-1242	ug/L	1.0		U	U	0.20
MW-18	Aroclor-1248	ug/L	1.0		U	U	0.20
MW-18	Aroclor-1254	ug/L	1.0		U	U	0.20
MW-18	Aroclor-1260	ug/L	1.0		U	U	0.20
MW-18	beta-BHC	ug/L	0.05		U	U	0.01
MW-18	delta-BHC	ug/L	0.05		U	U	0.01
MW-18	Dieldrin	ug/L	0.10		U	U	0.02
MW-18	Endosulfan I	ug/L	0.05		U	U	0.01
MW-18	Endosulfan II	ug/L	0.10		U	U	0.02
MW-18	Endosulfan sulfate	ug/L	0.10		U	U	0.02
MW-18	Endrin	ug/L	0.10		U	U	0.02
MW-18	Endrin aldehyde	ug/L	0.10		U	U	0.02
MW-18	Endrin ketone	ug/L	0.10		U	U	0.02
MW-18	gamma-BHC	ug/L	0.05		U	U	0.01
MW-18	gamma-Chlordane	ug/L	0.05		U	U	0.01
MW-18	Heptachlor	ug/L	0.05		U	U	0.01
MW-18	Heptachlor epoxide	ug/L	0.05		U	U	0.01
MW-18	Methoxychlor	ug/L	0.50		U	U	0.10
MW-18	Toxaphene	ug/L	5.0		U	U	1.0
MW-19	4,4'-DDD	ug/L	0.10		U	U	0.02
MW-19	4,4'-DDE	ug/L	0.10		U	U	0.02
MW-19	4,4'-DDT	ug/L	0.10		U	U	0.02
MW-19	Aldrin	ug/L	0.05		U	U	0.01
MW-19	alpha-BHC	ug/L	0.05		U	U	0.01
MW-19	alpha-Chlordane	ug/L	0.05		U	U	0.01
MW-19	Aroclor-1016	ug/L	1.0		U	U	0.20
MW-19	Aroclor-1221	ug/L	2.0		U	U	0.40
MW-19	Aroclor-1232	ug/L	1.0		U	U	0.20
MW-19	Aroclor-1242	ug/L	1.0		U	U	0.20
MW-19	Aroclor-1248	ug/L	1.0		U	U	0.20
MW-19	Aroclor-1254	ug/L	1.0		U	U	0.20
MW-19	Aroclor-1260	ug/L	1.0		U	U	0.20
MW-19	beta-BHC	ug/L	0.05		U	U	0.01
MW-19	delta-BHC	ug/L	0.05		U	U	0.01
MW-19	Dieldrin	ug/L	0.10		U	U	0.02
MW-19	Endosulfan I	ug/L	0.05		U	U	0.01
MW-19	Endosulfan II	ug/L	0.10		U	U	0.02
MW-19	Endosulfan sulfate	ug/L	0.10		U	U	0.02
MW-19	Endrin	ug/L	0.10		U	U	0.02
MW-19	Endrin aldehyde	ug/L	0.10		U	U	0.02

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-19	Endrin ketone	ug/L	0.10		U	U	0.02
MW-19	gamma-BHC	ug/L	0.05		U	U	0.01
MW-19	gamma-Chlordane	ug/L	0.05		U	U	0.01
MW-19	Heptachlor	ug/L	0.05		U	U	0.01
MW-19	Heptachlor epoxide	ug/L	0.05		U	U	0.01
MW-19	Methoxychlor	ug/L	0.50		U	U	0.10
MW-19	Toxaphene	ug/L	5.0		U	U	1.0
MW-22	4,4'-DDD	ug/L	0.10		U	UJ	0.02
MW-22	4,4'-DDE	ug/L	0.10		U	UJ	0.02
MW-22	4,4'-DDT	ug/L	0.10		U	UJ	0.02
MW-22	Aldrin	ug/L	0.05		U	UJ	0.01
MW-22	alpha-BHC	ug/L	0.05		U	UJ	0.01
MW-22	alpha-Chlordane	ug/L	0.05		U	UJ	0.01
MW-22	Aroclor-1016	ug/L	1.0		U	UJ	0.20
MW-22	Aroclor-1221	ug/L	2.0		U	UJ	0.40
MW-22	Aroclor-1232	ug/L	1.0		U	UJ	0.20
MW-22	Aroclor-1242	ug/L	1.0		U	UJ	0.20
MW-22	Aroclor-1248	ug/L	1.0		U	UJ	0.20
MW-22	Aroclor-1254	ug/L	1.0		U	UJ	0.20
MW-22	Aroclor-1260	ug/L	1.0		U	UJ	0.20
MW-22	beta-BHC	ug/L	0.05		U	UJ	0.01
MW-22	delta-BHC	ug/L	0.05		U	UJ	0.01
MW-22	Dieldrin	ug/L	0.10		U	UJ	0.02
MW-22	Endosulfan I	ug/L	0.05		U	UJ	0.01
MW-22	Endosulfan II	ug/L	0.10		U	UJ	0.02
MW-22	Endosulfan sulfate	ug/L	0.10		U	UJ	0.02
MW-22	Endrin	ug/L	0.10		U	UJ	0.02
MW-22	Endrin aldehyde	ug/L	0.10		U	UJ	0.02
MW-22	Endrin ketone	ug/L	0.10		U	UJ	0.02
MW-22	gamma-BHC	ug/L	0.05		U	UJ	0.01
MW-22	gamma-Chlordane	ug/L	0.05		U	UJ	0.01
MW-22	Heptachlor	ug/L	0.05		U	UJ	0.01
MW-22	Heptachlor epoxide	ug/L	0.05		U	UJ	0.01
MW-22	Methoxychlor	ug/L	0.50		U	UJ	0.10
MW-22	Toxaphene	ug/L	5.0		U	UJ	1.0
MW-23	4,4'-DDD	ug/L	0.10		U	U	0.02
MW-23	4,4'-DDE	ug/L	0.10		U	U	0.02
MW-23	4,4'-DDT	ug/L	0.10		U	U	0.02
MW-23	Aldrin	ug/L	0.05		U	U	0.01
MW-23	alpha-BHC	ug/L	0.05		U	U	0.01
MW-23	alpha-Chlordane	ug/L	0.05		U	U	0.01
MW-23	Aroclor-1016	ug/L	1.0		U	U	0.20
MW-23	Aroclor-1221	ug/L	2.0		U	U	0.40
MW-23	Aroclor-1232	ug/L	1.0		U	U	0.20
MW-23	Aroclor-1242	ug/L	1.0		U	U	0.20
MW-23	Aroclor-1248	ug/L	1.0		U	U	0.20
MW-23	Aroclor-1254	ug/L	1.0		U	U	0.20
MW-23	Aroclor-1260	ug/L	1.0		U	U	0.20
MW-23	beta-BHC	ug/L	0.05		U	U	0.01

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-23	delta-BHC	ug/L	0.05		U	U	0.01
MW-23	Dieldrin	ug/L	0.10		U	U	0.02
MW-23	Endosulfan I	ug/L	0.05		U	U	0.01
MW-23	Endosulfan II	ug/L	0.10		U	U	0.02
MW-23	Endosulfan sulfate	ug/L	0.10		U	U	0.02
MW-23	Endrin	ug/L	0.10		U	U	0.02
MW-23	Endrin aldehyde	ug/L	0.10		U	U	0.02
MW-23	Endrin ketone	ug/L	0.10		U	U	0.02
MW-23	gamma-BHC	ug/L	0.05		U	U	0.01
MW-23	gamma-Chlordane	ug/L	0.05		U	U	0.01
MW-23	Heptachlor	ug/L	0.05		U	U	0.01
MW-23	Heptachlor epoxide	ug/L	0.05		U	U	0.01
MW-23	Methoxychlor	ug/L	0.50		U	U	0.10
MW-23	Toxaphene	ug/L	5.0		U	U	1.0
MW-24	4,4'-DDD	ug/L	0.10		U	UJ	0.02
MW-24	4,4'-DDE	ug/L	0.10		U	UJ	0.02
MW-24	4,4'-DDT	ug/L	0.10		U	UJ	0.02
MW-24	Aldrin	ug/L	0.05		U	UJ	0.01
MW-24	alpha-BHC	ug/L	0.05		U	UJ	0.01
MW-24	alpha-Chlordane	ug/L	0.05		U	UJ	0.01
MW-24	Aroclor-1016	ug/L	1.0		U	UJ	0.20
MW-24	Aroclor-1221	ug/L	2.0		U	UJ	0.40
MW-24	Aroclor-1232	ug/L	1.0		U	UJ	0.20
MW-24	Aroclor-1242	ug/L	1.0		U	UJ	0.20
MW-24	Aroclor-1248	ug/L	1.0		U	UJ	0.20
MW-24	Aroclor-1254	ug/L	1.0		U	UJ	0.20
MW-24	Aroclor-1260	ug/L	1.0		U	UJ	0.20
MW-24	beta-BHC	ug/L	0.05		U	UJ	0.01
MW-24	delta-BHC	ug/L	0.05		U	UJ	0.01
MW-24	Dieldrin	ug/L	0.10		U	UJ	0.02
MW-24	Endosulfan I	ug/L	0.05		U	UJ	0.01
MW-24	Endosulfan II	ug/L	0.10		U	UJ	0.02
MW-24	Endosulfan sulfate	ug/L	0.10		U	UJ	0.02
MW-24	Endrin	ug/L	0.10		U	UJ	0.02
MW-24	Endrin aldehyde	ug/L	0.10		U	UJ	0.02
MW-24	Endrin ketone	ug/L	0.10		U	UJ	0.02
MW-24	gamma-BHC	ug/L	0.05		U	UJ	0.01
MW-24	gamma-Chlordane	ug/L	0.05		U	UJ	0.01
MW-24	Heptachlor	ug/L	0.05		U	UJ	0.01
MW-24	Heptachlor epoxide	ug/L	0.05		U	UJ	0.01
MW-24	Methoxychlor	ug/L	0.50		U	UJ	0.10
MW-24	Toxaphene	ug/L	5.0		U	UJ	1.0
MW-28	4,4'-DDD	ug/L	0.10		U	U	0.02
MW-28	4,4'-DDE	ug/L	0.10		U	U	0.02
MW-28	4,4'-DDT	ug/L	0.10		U	U	0.02
MW-28	Aldrin	ug/L	0.05		U	U	0.01
MW-28	alpha-BHC	ug/L	0.05		U	U	0.01
MW-28	alpha-Chlordane	ug/L	0.05		U	U	0.01
MW-28	Aroclor-1016	ug/L	1.0		U	U	0.20

BOLD = Exceedance

NA = Not Available

Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-28	Aroclor-1221	ug/L	2.0		U	U	0.40
MW-28	Aroclor-1232	ug/L	1.0		U	U	0.20
MW-28	Aroclor-1242	ug/L	1.0		U	U	0.20
MW-28	Aroclor-1248	ug/L	1.0		U	U	0.20
MW-28	Aroclor-1254	ug/L	1.0		U	U	0.20
MW-28	Aroclor-1260	ug/L	1.0		U	U	0.20
MW-28	beta-BHC	ug/L	0.05		U	U	0.01
MW-28	delta-BHC	ug/L	0.05		U	U	0.01
MW-28	Dieldrin	ug/L	0.10		U	U	0.02
MW-28	Endosulfan I	ug/L	0.05		U	U	0.01
MW-28	Endosulfan II	ug/L	0.10		U	U	0.02
MW-28	Endosulfan sulfate	ug/L	0.10		U	U	0.02
MW-28	Endrin	ug/L	0.10		U	U	0.02
MW-28	Endrin aldehyde	ug/L	0.10		U	U	0.02
MW-28	Endrin ketone	ug/L	0.10		U	U	0.02
MW-28	gamma-BHC	ug/L	0.05		U	U	0.01
MW-28	gamma-Chlordane	ug/L	0.05		U	U	0.01
MW-28	Heptachlor	ug/L	0.05		U	U	0.01
MW-28	Heptachlor epoxide	ug/L	0.05		U	U	0.01
MW-28	Methoxychlor	ug/L	0.50		U	U	0.10
MW-28	Toxaphene	ug/L	5.0		U	U	1.0
MW-29	4,4'-DDD	ug/L	0.10		U		0.02
MW-29	4,4'-DDE	ug/L	0.10		U		0.02
MW-29	4,4'-DDT	ug/L	0.10		U		0.02
MW-29	Aldrin	ug/L	0.05		U		0.01
MW-29	alpha-BHC	ug/L	0.05		U		0.01
MW-29	alpha-Chlordane	ug/L	0.05		U		0.01
MW-29	Aroclor-1016	ug/L	1.0		U		0.20
MW-29	Aroclor-1221	ug/L	2.0		U		0.40
MW-29	Aroclor-1232	ug/L	1.0		U		0.20
MW-29	Aroclor-1242	ug/L	1.0		U		0.20
MW-29	Aroclor-1248	ug/L	1.0		U		0.20
MW-29	Aroclor-1254	ug/L	1.0		U		0.20
MW-29	Aroclor-1260	ug/L	1.0		U		0.20
MW-29	beta-BHC	ug/L	0.05		U		0.01
MW-29	delta-BHC	ug/L	0.05		U		0.01
MW-29	Dieldrin	ug/L	0.10		U		0.02
MW-29	Endosulfan I	ug/L	0.05		U		0.01
MW-29	Endosulfan II	ug/L	0.10		U		0.02
MW-29	Endosulfan sulfate	ug/L	0.10		U		0.02
MW-29	Endrin	ug/L	0.10		U		0.02
MW-29	Endrin aldehyde	ug/L	0.10		U		0.02
MW-29	Endrin ketone	ug/L	0.10		U		0.02
MW-29	gamma-BHC	ug/L	0.05		U		0.01
MW-29	gamma-Chlordane	ug/L	0.05		U		0.01
MW-29	Heptachlor	ug/L	0.05		U		0.01
MW-29	Heptachlor epoxide	ug/L	0.05		U		0.01
MW-29	Methoxychlor	ug/L	0.50		U		0.10
MW-29	Toxaphene	ug/L	5.0		U		1.0

BOLD = Exceedance
NA = Not Available

Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-30	4,4'-DDD	ug/L	0.10		U	U	0.02
MW-30	4,4'-DDE	ug/L	0.10		U	U	0.02
MW-30	4,4'-DDT	ug/L	0.10		U	U	0.02
MW-30	Aldrin	ug/L	0.05		U	U	0.01
MW-30	alpha-BHC	ug/L	0.05		U	U	0.01
MW-30	alpha-Chlordane	ug/L	0.05		U	U	0.01
MW-30	Aroclor-1016	ug/L	1.0		U	U	0.20
MW-30	Aroclor-1221	ug/L	2.0		U	U	0.40
MW-30	Aroclor-1232	ug/L	1.0		U	U	0.20
MW-30	Aroclor-1242	ug/L	1.0		U	U	0.20
MW-30	Aroclor-1248	ug/L	1.0		U	U	0.20
MW-30	Aroclor-1254	ug/L	1.0		U	U	0.20
MW-30	Aroclor-1260	ug/L	1.0		U	U	0.20
MW-30	beta-BHC	ug/L	0.05		U	U	0.01
MW-30	delta-BHC	ug/L	0.05		U	U	0.01
MW-30	Dieldrin	ug/L	0.10		U	U	0.02
MW-30	Endosulfan I	ug/L	0.05		U	U	0.01
MW-30	Endosulfan II	ug/L	0.10		U	U	0.02
MW-30	Endosulfan sulfate	ug/L	0.10		U	U	0.02
MW-30	Endrin	ug/L	0.10		U	U	0.02
MW-30	Endrin aldehyde	ug/L	0.10		U	U	0.02
MW-30	Endrin ketone	ug/L	0.10		U	U	0.02
MW-30	gamma-BHC	ug/L	0.05		U	U	0.01
MW-30	gamma-Chlordane	ug/L	0.05		U	U	0.01
MW-30	Heptachlor	ug/L	0.05		U	U	0.01
MW-30	Heptachlor epoxide	ug/L	0.05		U	U	0.01
MW-30	Methoxychlor	ug/L	0.50		U	U	0.10
MW-30	Toxaphene	ug/L	5.0		U	U	1.0
MW-31	4,4'-DDD	ug/L	0.10		U	U	0.02
MW-31	4,4'-DDE	ug/L	0.10		U	U	0.02
MW-31	4,4'-DDT	ug/L	0.10		U	U	0.02
MW-31	Aldrin	ug/L	0.05		U	U	0.01
MW-31	alpha-BHC	ug/L	0.05		U	U	0.01
MW-31	alpha-Chlordane	ug/L	0.05		U	U	0.01
MW-31	Aroclor-1016	ug/L	1.0		U	U	0.20
MW-31	Aroclor-1221	ug/L	2.0		U	U	0.40
MW-31	Aroclor-1232	ug/L	1.0		U	U	0.20
MW-31	Aroclor-1242	ug/L	1.0		U	U	0.20
MW-31	Aroclor-1248	ug/L	1.0		U	U	0.20
MW-31	Aroclor-1254	ug/L	1.0		U	U	0.20
MW-31	Aroclor-1260	ug/L	1.0		U	U	0.20
MW-31	beta-BHC	ug/L	0.05		U	U	0.01
MW-31	delta-BHC	ug/L	0.05		U	U	0.01
MW-31	Dieldrin	ug/L	0.10		U	U	0.02
MW-31	Endosulfan I	ug/L	0.05		U	U	0.01
MW-31	Endosulfan II	ug/L	0.10		U	U	0.02
MW-31	Endosulfan sulfate	ug/L	0.10		U	U	0.02
MW-31	Endrin	ug/L	0.10		U	U	0.02
MW-31	Endrin aldehyde	ug/L	0.10		U	U	0.02

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-31	Endrin ketone	ug/L	0.10		U	U	0.02
MW-31	gamma-BHC	ug/L	0.05		U	U	0.01
MW-31	gamma-Chlordane	ug/L	0.05		U	U	0.01
MW-31	Heptachlor	ug/L	0.05		U	U	0.01
MW-31	Heptachlor epoxide	ug/L	0.05		U	U	0.01
MW-31	Methoxychlor	ug/L	0.50		U	U	0.10
MW-31	Toxaphene	ug/L	5.0		U	U	1.0
MW-32	4,4'-DDD	ug/L	0.10		U	U	0.02
MW-32	4,4'-DDE	ug/L	0.10		U	U	0.02
MW-32	4,4'-DDT	ug/L	0.10		U	U	0.02
MW-32	Aldrin	ug/L	0.05		U	U	0.01
MW-32	alpha-BHC	ug/L	0.05		U	U	0.01
MW-32	alpha-Chlordane	ug/L	0.05		U	U	0.01
MW-32	Aroclor-1016	ug/L	1.0		U	U	0.20
MW-32	Aroclor-1221	ug/L	2.0		U	U	0.40
MW-32	Aroclor-1232	ug/L	1.0		U	U	0.20
MW-32	Aroclor-1242	ug/L	1.0		U	U	0.20
MW-32	Aroclor-1248	ug/L	1.0		U	U	0.20
MW-32	Aroclor-1254	ug/L	1.0		U	U	0.20
MW-32	Aroclor-1260	ug/L	1.0		U	U	0.20
MW-32	beta-BHC	ug/L	0.05		U	U	0.01
MW-32	delta-BHC	ug/L	0.05		U	U	0.01
MW-32	Dieldrin	ug/L	0.10		U	U	0.02
MW-32	Endosulfan I	ug/L	0.05		U	U	0.01
MW-32	Endosulfan II	ug/L	0.10		U	U	0.02
MW-32	Endosulfan sulfate	ug/L	0.10		U	U	0.02
MW-32	Endrin	ug/L	0.10		U	U	0.02
MW-32	Endrin aldehyde	ug/L	0.10		U	U	0.02
MW-32	Endrin ketone	ug/L	0.10		U	U	0.02
MW-32	gamma-BHC	ug/L	0.05		U	U	0.01
MW-32	gamma-Chlordane	ug/L	0.05		U	U	0.01
MW-32	Heptachlor	ug/L	0.05	0.01	J	J	0.01
MW-32	Heptachlor epoxide	ug/L	0.05		U	U	0.01
MW-32	Methoxychlor	ug/L	0.50		U	U	0.10
MW-32	Toxaphene	ug/L	5.0		U	U	1.0
MW-33	4,4'-DDD	ug/L	0.10		U	U	0.02
MW-33	4,4'-DDE	ug/L	0.10		U	U	0.02
MW-33	4,4'-DDT	ug/L	0.10		U	U	0.02
MW-33	Aldrin	ug/L	0.05		U	U	0.01
MW-33	alpha-BHC	ug/L	0.05		U	U	0.01
MW-33	alpha-Chlordane	ug/L	0.05		U	U	0.01
MW-33	Aroclor-1016	ug/L	1.0		U	U	0.20
MW-33	Aroclor-1221	ug/L	2.0		U	U	0.40
MW-33	Aroclor-1232	ug/L	1.0		U	U	0.20
MW-33	Aroclor-1242	ug/L	1.0		U	U	0.20
MW-33	Aroclor-1248	ug/L	1.0		U	U	0.20
MW-33	Aroclor-1254	ug/L	1.0		U	U	0.20
MW-33	Aroclor-1260	ug/L	1.0		U	U	0.20
MW-33	beta-BHC	ug/L	0.05		U	U	0.01

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-33	delta-BHC	ug/L	0.05		U	U	0.01
MW-33	Dieldrin	ug/L	0.10		U	U	0.02
MW-33	Endosulfan I	ug/L	0.05		U	U	0.01
MW-33	Endosulfan II	ug/L	0.10		U	U	0.02
MW-33	Endosulfan sulfate	ug/L	0.10		U	U	0.02
MW-33	Endrin	ug/L	0.10		U	U	0.02
MW-33	Endrin aldehyde	ug/L	0.10		U	U	0.02
MW-33	Endrin ketone	ug/L	0.10		U	U	0.02
MW-33	gamma-BHC	ug/L	0.05		U	U	0.01
MW-33	gamma-Chlordane	ug/L	0.05		U	U	0.01
MW-33	Heptachlor	ug/L	0.05		U	U	0.01
MW-33	Heptachlor epoxide	ug/L	0.05		U	U	0.01
MW-33	Methoxychlor	ug/L	0.50		U	U	0.10
MW-33	Toxaphene	ug/L	5.0		U	U	1.0
MW-34	4,4'-DDD	ug/L	0.10		U	UJ	0.02
MW-34	4,4'-DDE	ug/L	0.10		U	UJ	0.02
MW-34	4,4'-DDT	ug/L	0.10		U	UJ	0.02
MW-34	Aldrin	ug/L	0.05		U	UJ	0.01
MW-34	alpha-BHC	ug/L	0.05		U	UJ	0.01
MW-34	alpha-Chlordane	ug/L	0.05		U	UJ	0.01
MW-34	Aroclor-1016	ug/L	1.0		U	UJ	0.20
MW-34	Aroclor-1221	ug/L	2.0		U	UJ	0.40
MW-34	Aroclor-1232	ug/L	1.0		U	UJ	0.20
MW-34	Aroclor-1242	ug/L	1.0		U	UJ	0.20
MW-34	Aroclor-1248	ug/L	1.0		U	UJ	0.20
MW-34	Aroclor-1254	ug/L	1.0		U	UJ	0.20
MW-34	Aroclor-1260	ug/L	1.0		U	UJ	0.20
MW-34	beta-BHC	ug/L	0.05		U	UJ	0.01
MW-34	delta-BHC	ug/L	0.05		U	UJ	0.01
MW-34	Dieldrin	ug/L	0.10		U	UJ	0.02
MW-34	Endosulfan I	ug/L	0.05		U	UJ	0.01
MW-34	Endosulfan II	ug/L	0.10		U	UJ	0.02
MW-34	Endosulfan sulfate	ug/L	0.10		U	UJ	0.02
MW-34	Endrin	ug/L	0.10		U	UJ	0.02
MW-34	Endrin aldehyde	ug/L	0.10		U	UJ	0.02
MW-34	Endrin ketone	ug/L	0.10		U	UJ	0.02
MW-34	gamma-BHC	ug/L	0.05		U	UJ	0.01
MW-34	gamma-Chlordane	ug/L	0.05		U	UJ	0.01
MW-34	Heptachlor	ug/L	0.05		U	UJ	0.01
MW-34	Heptachlor epoxide	ug/L	0.05		U	UJ	0.01
MW-34	Methoxychlor	ug/L	0.50		U	UJ	0.10
MW-34	Toxaphene	ug/L	5.0		U	UJ	1.0
MW-36	4,4'-DDD	ug/L	0.10		U	U	0.02
MW-36	4,4'-DDE	ug/L	0.10		U	U	0.02
MW-36	4,4'-DDT	ug/L	0.10		U	U	0.02
MW-36	Aldrin	ug/L	0.05		U	U	0.01
MW-36	alpha-BHC	ug/L	0.05		U	U	0.01
MW-36	alpha-Chlordane	ug/L	0.05		U	U	0.01
MW-36	Aroclor-1016	ug/L	1.0		U	U	0.20

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-36	Aroclor-1221	ug/L	2.0		U	U	0.40
MW-36	Aroclor-1232	ug/L	1.0		U	U	0.20
MW-36	Aroclor-1242	ug/L	1.0		U	U	0.20
MW-36	Aroclor-1248	ug/L	1.0		U	U	0.20
MW-36	Aroclor-1254	ug/L	1.0		U	U	0.20
MW-36	Aroclor-1260	ug/L	1.0		U	U	0.20
MW-36	beta-BHC	ug/L	0.05		U	U	0.01
MW-36	delta-BHC	ug/L	0.05		U	U	0.01
MW-36	Dieldrin	ug/L	0.10		U	U	0.02
MW-36	Endosulfan I	ug/L	0.05		U	U	0.01
MW-36	Endosulfan II	ug/L	0.10		U	U	0.02
MW-36	Endosulfan sulfate	ug/L	0.10		U	U	0.02
MW-36	Endrin	ug/L	0.10		U	U	0.02
MW-36	Endrin aldehyde	ug/L	0.10		U	U	0.02
MW-36	Endrin ketone	ug/L	0.10		U	U	0.02
MW-36	gamma-BHC	ug/L	0.05		U	U	0.01
MW-36	gamma-Chlordane	ug/L	0.05		U	U	0.01
MW-36	Heptachlor	ug/L	0.05		U	U	0.01
MW-36	Heptachlor epoxide	ug/L	0.05		U	U	0.01
MW-36	Methoxychlor	ug/L	0.50		U	U	0.10
MW-36	Toxaphene	ug/L	5.0		U	U	1.0
MW-37	4,4'-DDD	ug/L	0.10		U	U	0.02
MW-37	4,4'-DDE	ug/L	0.10		U	U	0.02
MW-37	4,4'-DDT	ug/L	0.10		U	U	0.02
MW-37	Aldrin	ug/L	0.05		U	U	0.01
MW-37	alpha-BHC	ug/L	0.05		U	U	0.01
MW-37	alpha-Chlordane	ug/L	0.05		U	U	0.01
MW-37	Aroclor-1016	ug/L	1.0		U	U	0.20
MW-37	Aroclor-1221	ug/L	2.0		U	U	0.40
MW-37	Aroclor-1232	ug/L	1.0		U	U	0.20
MW-37	Aroclor-1242	ug/L	1.0		U	U	0.20
MW-37	Aroclor-1248	ug/L	1.0		U	U	0.20
MW-37	Aroclor-1254	ug/L	1.0		U	U	0.20
MW-37	Aroclor-1260	ug/L	1.0		U	U	0.20
MW-37	beta-BHC	ug/L	0.05		U	U	0.01
MW-37	delta-BHC	ug/L	0.05		U	U	0.01
MW-37	Dieldrin	ug/L	0.10		U	U	0.02
MW-37	Endosulfan I	ug/L	0.05		U	U	0.01
MW-37	Endosulfan II	ug/L	0.10		U	U	0.02
MW-37	Endosulfan sulfate	ug/L	0.10		U	U	0.02
MW-37	Endrin	ug/L	0.10		U	U	0.02
MW-37	Endrin aldehyde	ug/L	0.10		U	U	0.02
MW-37	Endrin ketone	ug/L	0.10		U	U	0.02
MW-37	gamma-BHC	ug/L	0.05		U	U	0.01
MW-37	gamma-Chlordane	ug/L	0.05		U	U	0.01
MW-37	Heptachlor	ug/L	0.05		U	U	0.01
MW-37	Heptachlor epoxide	ug/L	0.05		U	U	0.01
MW-37	Methoxychlor	ug/L	0.50		U	U	0.10
MW-37	Toxaphene	ug/L	5.0		U	U	1.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-38	4,4'-DDD	ug/L	0.10		U	U	0.02
MW-38	4,4'-DDE	ug/L	0.10		U	U	0.02
MW-38	4,4'-DDT	ug/L	0.10		U	U	0.02
MW-38	Aldrin	ug/L	0.05		U	U	0.01
MW-38	alpha-BHC	ug/L	0.05		U	U	0.01
MW-38	alpha-Chlordane	ug/L	0.05		U	U	0.01
MW-38	Aroclor-1016	ug/L	1.0		U	U	0.20
MW-38	Aroclor-1221	ug/L	2.0		U	U	0.40
MW-38	Aroclor-1232	ug/L	1.0		U	U	0.20
MW-38	Aroclor-1242	ug/L	1.0		U	U	0.20
MW-38	Aroclor-1248	ug/L	1.0		U	U	0.20
MW-38	Aroclor-1254	ug/L	1.0		U	U	0.20
MW-38	Aroclor-1260	ug/L	1.0		U	U	0.20
MW-38	beta-BHC	ug/L	0.05		U	U	0.01
MW-38	delta-BHC	ug/L	0.05		U	U	0.01
MW-38	Dieldrin	ug/L	0.10		U	U	0.02
MW-38	Endosulfan I	ug/L	0.05		U	U	0.01
MW-38	Endosulfan II	ug/L	0.10		U	U	0.02
MW-38	Endosulfan sulfate	ug/L	0.10		U	U	0.02
MW-38	Endrin	ug/L	0.10		U	U	0.02
MW-38	Endrin aldehyde	ug/L	0.10		U	U	0.02
MW-38	Endrin ketone	ug/L	0.10		U	U	0.02
MW-38	gamma-BHC	ug/L	0.05		U	U	0.01
MW-38	gamma-Chlordane	ug/L	0.05		U	U	0.01
MW-38	Heptachlor	ug/L	0.05		U	U	0.01
MW-38	Heptachlor epoxide	ug/L	0.05		U	U	0.01
MW-38	Methoxychlor	ug/L	0.50		U	U	0.10
MW-38	Toxaphene	ug/L	5.0		U	U	1.0
MW-39	4,4'-DDD	ug/L	0.10		U	U	0.02
MW-39	4,4'-DDE	ug/L	0.10		U	U	0.02
MW-39	4,4'-DDT	ug/L	0.10		U	U	0.02
MW-39	Aldrin	ug/L	0.05		U	U	0.01
MW-39	alpha-BHC	ug/L	0.05		U	U	0.01
MW-39	alpha-Chlordane	ug/L	0.05		U	U	0.01
MW-39	Aroclor-1016	ug/L	1.0		U	U	0.20
MW-39	Aroclor-1221	ug/L	2.0		U	U	0.40
MW-39	Aroclor-1232	ug/L	1.0		U	U	0.20
MW-39	Aroclor-1242	ug/L	1.0		U	U	0.20
MW-39	Aroclor-1248	ug/L	1.0		U	U	0.20
MW-39	Aroclor-1254	ug/L	1.0		U	U	0.20
MW-39	Aroclor-1260	ug/L	1.0		U	U	0.20
MW-39	beta-BHC	ug/L	0.05		U	U	0.01
MW-39	delta-BHC	ug/L	0.05		U	U	0.01
MW-39	Dieldrin	ug/L	0.10		U	U	0.02
MW-39	Endosulfan I	ug/L	0.05		U	U	0.01
MW-39	Endosulfan II	ug/L	0.10		U	U	0.02
MW-39	Endosulfan sulfate	ug/L	0.10		U	U	0.02
MW-39	Endrin	ug/L	0.10		U	U	0.02
MW-39	Endrin aldehyde	ug/L	0.10		U	U	0.02

BOLD = Exceedance
NA = Not Available

Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-39	Endrin ketone	ug/L	0.10		U	U	0.02
MW-39	gamma-BHC	ug/L	0.05		U	U	0.01
MW-39	gamma-Chlordane	ug/L	0.05		U	U	0.01
MW-39	Heptachlor	ug/L	0.05		U	U	0.01
MW-39	Heptachlor epoxide	ug/L	0.05		U	U	0.01
MW-39	Methoxychlor	ug/L	0.50		U	U	0.10
MW-39	Toxaphene	ug/L	5.0		U	U	1.0
MW-40	4,4'-DDD	ug/L	0.10			U	0.02
MW-40	4,4'-DDE	ug/L	0.10			U	0.02
MW-40	4,4'-DDT	ug/L	0.10			U	0.02
MW-40	Aldrin	ug/L	0.05			U	0.01
MW-40	alpha-BHC	ug/L	0.05			U	0.01
MW-40	alpha-Chlordane	ug/L	0.05			U	0.01
MW-40	Aroclor-1016	ug/L	1.0			U	0.20
MW-40	Aroclor-1221	ug/L	2.0			U	0.40
MW-40	Aroclor-1232	ug/L	1.0			U	0.20
MW-40	Aroclor-1242	ug/L	1.0			U	0.20
MW-40	Aroclor-1248	ug/L	1.0			U	0.20
MW-40	Aroclor-1254	ug/L	1.0			U	0.20
MW-40	Aroclor-1260	ug/L	1.0			U	0.20
MW-40	beta-BHC	ug/L	0.05			U	0.01
MW-40	delta-BHC	ug/L	0.05			U	0.01
MW-40	Dieldrin	ug/L	0.10			U	0.02
MW-40	Endosulfan I	ug/L	0.05			U	0.01
MW-40	Endosulfan II	ug/L	0.10			U	0.02
MW-40	Endosulfan sulfate	ug/L	0.10			U	0.02
MW-40	Endrin	ug/L	0.10			U	0.02
MW-40	Endrin aldehyde	ug/L	0.10			U	0.02
MW-40	Endrin ketone	ug/L	0.10			U	0.02
MW-40	gamma-BHC	ug/L	0.05			U	0.01
MW-40	gamma-Chlordane	ug/L	0.05			U	0.01
MW-40	Heptachlor	ug/L	0.05			U	0.01
MW-40	Heptachlor epoxide	ug/L	0.05			U	0.01
MW-40	Methoxychlor	ug/L	0.50			U	0.10
MW-40	Toxaphene	ug/L	5.0			U	1.0
MW-41	4,4'-DDD	ug/L	0.10		U	U	0.02
MW-41	4,4'-DDE	ug/L	0.10		U	U	0.02
MW-41	4,4'-DDT	ug/L	0.10		U	U	0.02
MW-41	Aldrin	ug/L	0.05		U	U	0.01
MW-41	alpha-BHC	ug/L	0.05		U	U	0.01
MW-41	alpha-Chlordane	ug/L	0.05		U	U	0.01
MW-41	Aroclor-1016	ug/L	1.0		U	U	0.20
MW-41	Aroclor-1221	ug/L	2.0		U	U	0.40
MW-41	Aroclor-1232	ug/L	1.0		U	U	0.20
MW-41	Aroclor-1242	ug/L	1.0		U	U	0.20
MW-41	Aroclor-1248	ug/L	1.0		U	U	0.20
MW-41	Aroclor-1254	ug/L	1.0		U	U	0.20
MW-41	Aroclor-1260	ug/L	1.0		U	U	0.20
MW-41	beta-BHC	ug/L	0.05		U	U	0.01

BOLD = Exceedance
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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-41	delta-BHC	ug/L	0.05		U	U	0.01
MW-41	Dieldrin	ug/L	0.10		U	U	0.02
MW-41	Endosulfan I	ug/L	0.05		U	U	0.01
MW-41	Endosulfan II	ug/L	0.10		U	U	0.02
MW-41	Endosulfan sulfate	ug/L	0.10		U	U	0.02
MW-41	Endrin	ug/L	0.10		U	U	0.02
MW-41	Endrin aldehyde	ug/L	0.10		U	U	0.02
MW-41	Endrin ketone	ug/L	0.10		U	U	0.02
MW-41	gamma-BHC	ug/L	0.05		U	U	0.01
MW-41	gamma-Chlordane	ug/L	0.05		U	U	0.01
MW-41	Heptachlor	ug/L	0.05		U	U	0.01
MW-41	Heptachlor epoxide	ug/L	0.05		U	U	0.01
MW-41	Methoxychlor	ug/L	0.50		U	U	0.10
MW-41	Toxaphene	ug/L	5.0		U	U	1.0
MW-42	4,4'-DDD	ug/L	0.10		U	U	0.02
MW-42	4,4'-DDE	ug/L	0.10		U	U	0.02
MW-42	4,4'-DDT	ug/L	0.10		U	U	0.02
MW-42	Aldrin	ug/L	0.05		U	U	0.01
MW-42	alpha-BHC	ug/L	0.05		U	U	0.01
MW-42	alpha-Chlordane	ug/L	0.05		U	U	0.01
MW-42	Aroclor-1016	ug/L	1.0		U	U	0.20
MW-42	Aroclor-1221	ug/L	2.0		U	U	0.40
MW-42	Aroclor-1232	ug/L	1.0		U	U	0.20
MW-42	Aroclor-1242	ug/L	1.0		U	U	0.20
MW-42	Aroclor-1248	ug/L	1.0		U	U	0.20
MW-42	Aroclor-1254	ug/L	1.0		U	U	0.20
MW-42	Aroclor-1260	ug/L	1.0		U	U	0.20
MW-42	beta-BHC	ug/L	0.05		U	U	0.01
MW-42	delta-BHC	ug/L	0.05		U	U	0.01
MW-42	Dieldrin	ug/L	0.10		U	U	0.02
MW-42	Endosulfan I	ug/L	0.05		U	U	0.01
MW-42	Endosulfan II	ug/L	0.10		U	U	0.02
MW-42	Endosulfan sulfate	ug/L	0.10		U	U	0.02
MW-42	Endrin	ug/L	0.10		U	U	0.02
MW-42	Endrin aldehyde	ug/L	0.10		U	U	0.02
MW-42	Endrin ketone	ug/L	0.10		U	U	0.02
MW-42	gamma-BHC	ug/L	0.05		U	U	0.01
MW-42	gamma-Chlordane	ug/L	0.05		U	U	0.01
MW-42	Heptachlor	ug/L	0.05		U	U	0.01
MW-42	Heptachlor epoxide	ug/L	0.05		U	U	0.01
MW-42	Methoxychlor	ug/L	0.50		U	U	0.10
MW-42	Toxaphene	ug/L	5.0		U	U	1.0
MW-43	4,4'-DDD	ug/L	0.10		U	U	0.02
MW-43	4,4'-DDE	ug/L	0.10		U	U	0.02
MW-43	4,4'-DDT	ug/L	0.10		U	U	0.02
MW-43	Aldrin	ug/L	0.05		U	U	0.01
MW-43	alpha-BHC	ug/L	0.05		U	U	0.01
MW-43	alpha-Chlordane	ug/L	0.05		U	U	0.01
MW-43	Aroclor-1016	ug/L	1.0		U	U	0.20

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-43	Aroclor-1221	ug/L	2.0		U	U	0.40
MW-43	Aroclor-1232	ug/L	1.0		U	U	0.20
MW-43	Aroclor-1242	ug/L	1.0		U	U	0.20
MW-43	Aroclor-1248	ug/L	1.0		U	U	0.20
MW-43	Aroclor-1254	ug/L	1.0		U	U	0.20
MW-43	Aroclor-1260	ug/L	1.0		U	U	0.20
MW-43	beta-BHC	ug/L	0.05		U	U	0.01
MW-43	delta-BHC	ug/L	0.05		U	U	0.01
MW-43	Dieldrin	ug/L	0.10		U	U	0.02
MW-43	Endosulfan I	ug/L	0.05		U	U	0.01
MW-43	Endosulfan II	ug/L	0.10		U	U	0.02
MW-43	Endosulfan sulfate	ug/L	0.10		U	U	0.02
MW-43	Endrin	ug/L	0.10		U	U	0.02
MW-43	Endrin aldehyde	ug/L	0.10		U	U	0.02
MW-43	Endrin ketone	ug/L	0.10		U	U	0.02
MW-43	gamma-BHC	ug/L	0.05		U	U	0.01
MW-43	gamma-Chlordane	ug/L	0.05		U	U	0.01
MW-43	Heptachlor	ug/L	0.05		U	U	0.01
MW-43	Heptachlor epoxide	ug/L	0.05		U	U	0.01
MW-43	Methoxychlor	ug/L	0.50		U	U	0.10
MW-43	Toxaphene	ug/L	5.0		U	U	1.0
MW-44	4,4'-DDD	ug/L	0.10		U	U	0.02
MW-44	4,4'-DDE	ug/L	0.10		U	U	0.02
MW-44	4,4'-DDT	ug/L	0.10		U	U	0.02
MW-44	Aldrin	ug/L	0.05		U	U	0.01
MW-44	alpha-BHC	ug/L	0.05		U	U	0.01
MW-44	alpha-Chlordane	ug/L	0.05		U	U	0.01
MW-44	Aroclor-1016	ug/L	1.0		U	U	0.20
MW-44	Aroclor-1221	ug/L	2.0		U	U	0.40
MW-44	Aroclor-1232	ug/L	1.0		U	U	0.20
MW-44	Aroclor-1242	ug/L	1.0		U	U	0.20
MW-44	Aroclor-1248	ug/L	1.0		U	U	0.20
MW-44	Aroclor-1254	ug/L	1.0		U	U	0.20
MW-44	Aroclor-1260	ug/L	1.0		U	U	0.20
MW-44	beta-BHC	ug/L	0.05		U	U	0.01
MW-44	delta-BHC	ug/L	0.05		U	U	0.01
MW-44	Dieldrin	ug/L	0.10		U	U	0.02
MW-44	Endosulfan I	ug/L	0.05		U	U	0.01
MW-44	Endosulfan II	ug/L	0.10		U	U	0.02
MW-44	Endosulfan sulfate	ug/L	0.10		U	U	0.02
MW-44	Endrin	ug/L	0.10		U	U	0.02
MW-44	Endrin aldehyde	ug/L	0.10		U	U	0.02
MW-44	Endrin ketone	ug/L	0.10		U	U	0.02
MW-44	gamma-BHC	ug/L	0.05		U	U	0.01
MW-44	gamma-Chlordane	ug/L	0.05		U	U	0.01
MW-44	Heptachlor	ug/L	0.05		U	U	0.01
MW-44	Heptachlor epoxide	ug/L	0.05		U	U	0.01
MW-44	Methoxychlor	ug/L	0.50		U	U	0.10
MW-44	Toxaphene	ug/L	5.0		U	U	1.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-45	4,4'-DDD	ug/L	0.10		U	U	0.02
MW-45	4,4'-DDE	ug/L	0.10		U	U	0.02
MW-45	4,4'-DDT	ug/L	0.10		U	U	0.02
MW-45	Aldrin	ug/L	0.05		U	U	0.01
MW-45	alpha-BHC	ug/L	0.05		U	U	0.01
MW-45	alpha-Chlordane	ug/L	0.05		U	U	0.01
MW-45	Aroclor-1016	ug/L	1.0		U	U	0.20
MW-45	Aroclor-1221	ug/L	2.0		U	U	0.40
MW-45	Aroclor-1232	ug/L	1.0		U	U	0.20
MW-45	Aroclor-1242	ug/L	1.0		U	U	0.20
MW-45	Aroclor-1248	ug/L	1.0		U	U	0.20
MW-45	Aroclor-1254	ug/L	1.0		U	U	0.20
MW-45	Aroclor-1260	ug/L	1.0		U	U	0.20
MW-45	beta-BHC	ug/L	0.05		U	U	0.01
MW-45	delta-BHC	ug/L	0.05		U	U	0.01
MW-45	Dieldrin	ug/L	0.10		U	U	0.02
MW-45	Endosulfan I	ug/L	0.05		U	U	0.01
MW-45	Endosulfan II	ug/L	0.10		U	U	0.02
MW-45	Endosulfan sulfate	ug/L	0.10		U	U	0.02
MW-45	Endrin	ug/L	0.10		U	U	0.02
MW-45	Endrin aldehyde	ug/L	0.10		U	U	0.02
MW-45	Endrin ketone	ug/L	0.10		U	U	0.02
MW-45	gamma-BHC	ug/L	0.05		U	U	0.01
MW-45	gamma-Chlordane	ug/L	0.05		U	U	0.01
MW-45	Heptachlor	ug/L	0.05		U	U	0.01
MW-45	Heptachlor epoxide	ug/L	0.05		U	U	0.01
MW-45	Methoxychlor	ug/L	0.50		U	U	0.10
MW-45	Toxaphene	ug/L	5.0		U	U	1.0
MW-46	4,4'-DDD	ug/L	0.10		U	U	0.02
MW-46	4,4'-DDE	ug/L	0.10		U	U	0.02
MW-46	4,4'-DDT	ug/L	0.10		U	U	0.02
MW-46	Aldrin	ug/L	0.05		U	U	0.01
MW-46	alpha-BHC	ug/L	0.05		U	U	0.01
MW-46	alpha-Chlordane	ug/L	0.05		U	U	0.01
MW-46	Aroclor-1016	ug/L	1.0		U	U	0.20
MW-46	Aroclor-1221	ug/L	2.0		U	U	0.40
MW-46	Aroclor-1232	ug/L	1.0		U	U	0.20
MW-46	Aroclor-1242	ug/L	1.0		U	U	0.20
MW-46	Aroclor-1248	ug/L	1.0		U	U	0.20
MW-46	Aroclor-1254	ug/L	1.0		U	U	0.20
MW-46	Aroclor-1260	ug/L	1.0		U	U	0.20
MW-46	beta-BHC	ug/L	0.05		U	U	0.01
MW-46	delta-BHC	ug/L	0.05		U	U	0.01
MW-46	Dieldrin	ug/L	0.10		U	U	0.02
MW-46	Endosulfan I	ug/L	0.05		U	U	0.01
MW-46	Endosulfan II	ug/L	0.10		U	U	0.02
MW-46	Endosulfan sulfate	ug/L	0.10		U	U	0.02
MW-46	Endrin	ug/L	0.10		U	U	0.02
MW-46	Endrin aldehyde	ug/L	0.10		U	U	0.02

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-46	Endrin ketone	ug/L	0.10		U	U	0.02
MW-46	gamma-BHC	ug/L	0.05		U	U	0.01
MW-46	gamma-Chlordane	ug/L	0.05		U	U	0.01
MW-46	Heptachlor	ug/L	0.05		U	U	0.01
MW-46	Heptachlor epoxide	ug/L	0.05		U	U	0.01
MW-46	Methoxychlor	ug/L	0.50		U	U	0.10
MW-46	Toxaphene	ug/L	5.0		U	U	1.0
MW-47	4,4'-DDD	ug/L	0.10			U	0.02
MW-47	4,4'-DDE	ug/L	0.10			U	0.02
MW-47	4,4'-DDT	ug/L	0.10			U	0.02
MW-47	Aldrin	ug/L	0.05			U	0.01
MW-47	alpha-BHC	ug/L	0.05			U	0.01
MW-47	alpha-Chlordane	ug/L	0.05			U	0.01
MW-47	Aroclor-1016	ug/L	1.0			U	0.20
MW-47	Aroclor-1221	ug/L	2.0			U	0.40
MW-47	Aroclor-1232	ug/L	1.0			U	0.20
MW-47	Aroclor-1242	ug/L	1.0			U	0.20
MW-47	Aroclor-1248	ug/L	1.0			U	0.20
MW-47	Aroclor-1254	ug/L	1.0			U	0.20
MW-47	Aroclor-1260	ug/L	1.0			U	0.20
MW-47	beta-BHC	ug/L	0.05			U	0.01
MW-47	delta-BHC	ug/L	0.05			U	0.01
MW-47	Dieldrin	ug/L	0.10			U	0.02
MW-47	Endosulfan I	ug/L	0.05			U	0.01
MW-47	Endosulfan II	ug/L	0.10			U	0.02
MW-47	Endosulfan sulfate	ug/L	0.10			U	0.02
MW-47	Endrin	ug/L	0.10			U	0.02
MW-47	Endrin aldehyde	ug/L	0.10			U	0.02
MW-47	Endrin ketone	ug/L	0.10			U	0.02
MW-47	gamma-BHC	ug/L	0.05			U	0.01
MW-47	gamma-Chlordane	ug/L	0.05			U	0.01
MW-47	Heptachlor	ug/L	0.05			U	0.01
MW-47	Heptachlor epoxide	ug/L	0.05			U	0.01
MW-47	Methoxychlor	ug/L	0.50			U	0.10
MW-47	Toxaphene	ug/L	5.0			U	1.0
MW-48	4,4'-DDD	ug/L	0.10		U	U	0.02
MW-48	4,4'-DDE	ug/L	0.10		U	U	0.02
MW-48	4,4'-DDT	ug/L	0.10		U	U	0.02
MW-48	Aldrin	ug/L	0.05		U	U	0.01
MW-48	alpha-BHC	ug/L	0.05		U	U	0.01
MW-48	alpha-Chlordane	ug/L	0.05		U	U	0.01
MW-48	Aroclor-1016	ug/L	1.0		U	U	0.20
MW-48	Aroclor-1221	ug/L	2.0		U	U	0.40
MW-48	Aroclor-1232	ug/L	1.0		U	U	0.20
MW-48	Aroclor-1242	ug/L	1.0		U	U	0.20
MW-48	Aroclor-1248	ug/L	1.0		U	U	0.20
MW-48	Aroclor-1254	ug/L	1.0		U	U	0.20
MW-48	Aroclor-1260	ug/L	1.0		U	U	0.20
MW-48	beta-BHC	ug/L	0.05		U	U	0.01

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-48	delta-BHC	ug/L	0.05		U	U	0.01
MW-48	Dieldrin	ug/L	0.10		U	U	0.02
MW-48	Endosulfan I	ug/L	0.05		U	U	0.01
MW-48	Endosulfan II	ug/L	0.10		U	U	0.02
MW-48	Endosulfan sulfate	ug/L	0.10		U	U	0.02
MW-48	Endrin	ug/L	0.10		U	U	0.02
MW-48	Endrin aldehyde	ug/L	0.10		U	U	0.02
MW-48	Endrin ketone	ug/L	0.10		U	U	0.02
MW-48	gamma-BHC	ug/L	0.05		U	U	0.01
MW-48	gamma-Chlordane	ug/L	0.05		U	U	0.01
MW-48	Heptachlor	ug/L	0.05		U	U	0.01
MW-48	Heptachlor epoxide	ug/L	0.05		U	U	0.01
MW-48	Methoxychlor	ug/L	0.50		U	U	0.10
MW-48	Toxaphene	ug/L	5.0		U	U	1.0
MW-49	4,4'-DDD	ug/L	0.10		U	U	0.02
MW-49	4,4'-DDE	ug/L	0.10		U	U	0.02
MW-49	4,4'-DDT	ug/L	0.10		U	U	0.02
MW-49	Aldrin	ug/L	0.05		U	U	0.01
MW-49	alpha-BHC	ug/L	0.05		U	U	0.01
MW-49	alpha-Chlordane	ug/L	0.05		U	U	0.01
MW-49	Aroclor-1016	ug/L	1.0		U	U	0.20
MW-49	Aroclor-1221	ug/L	2.0		U	U	0.40
MW-49	Aroclor-1232	ug/L	1.0		U	U	0.20
MW-49	Aroclor-1242	ug/L	1.0		U	U	0.20
MW-49	Aroclor-1248	ug/L	1.0		U	U	0.20
MW-49	Aroclor-1254	ug/L	1.0		U	U	0.20
MW-49	Aroclor-1260	ug/L	1.0		U	U	0.20
MW-49	beta-BHC	ug/L	0.05		U	U	0.01
MW-49	delta-BHC	ug/L	0.05		U	U	0.01
MW-49	Dieldrin	ug/L	0.10		U	U	0.02
MW-49	Endosulfan I	ug/L	0.05		U	U	0.01
MW-49	Endosulfan II	ug/L	0.10		U	U	0.02
MW-49	Endosulfan sulfate	ug/L	0.10		U	U	0.02
MW-49	Endrin	ug/L	0.10		U	U	0.02
MW-49	Endrin aldehyde	ug/L	0.10		U	U	0.02
MW-49	Endrin ketone	ug/L	0.10		U	U	0.02
MW-49	gamma-BHC	ug/L	0.05		U	U	0.01
MW-49	gamma-Chlordane	ug/L	0.05		U	U	0.01
MW-49	Heptachlor	ug/L	0.05		U	U	0.01
MW-49	Heptachlor epoxide	ug/L	0.05		U	U	0.01
MW-49	Methoxychlor	ug/L	0.50		U	U	0.10
MW-49	Toxaphene	ug/L	5.0		U	U	1.0
MW-50	4,4'-DDD	ug/L	0.10		U		0.02
MW-50	4,4'-DDE	ug/L	0.10		U		0.02
MW-50	4,4'-DDT	ug/L	0.10		U		0.02
MW-50	Aldrin	ug/L	0.05		U		0.01
MW-50	alpha-BHC	ug/L	0.05		U		0.01
MW-50	alpha-Chlordane	ug/L	0.05		U		0.01
MW-50	Aroclor-1016	ug/L	1.0		U		0.20

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-50	Aroclor-1221	ug/L	2.0		U		0.40
MW-50	Aroclor-1232	ug/L	1.0		U		0.20
MW-50	Aroclor-1242	ug/L	1.0		U		0.20
MW-50	Aroclor-1248	ug/L	1.0		U		0.20
MW-50	Aroclor-1254	ug/L	1.0		U		0.20
MW-50	Aroclor-1260	ug/L	1.0		U		0.20
MW-50	beta-BHC	ug/L	0.05		U		0.01
MW-50	delta-BHC	ug/L	0.05		U		0.01
MW-50	Dieldrin	ug/L	0.10		U		0.02
MW-50	Endosulfan I	ug/L	0.05		U		0.01
MW-50	Endosulfan II	ug/L	0.10		U		0.02
MW-50	Endosulfan sulfate	ug/L	0.10		U		0.02
MW-50	Endrin	ug/L	0.10		U		0.02
MW-50	Endrin aldehyde	ug/L	0.10		U		0.02
MW-50	Endrin ketone	ug/L	0.10		U		0.02
MW-50	gamma-BHC	ug/L	0.05		U		0.01
MW-50	gamma-Chlordane	ug/L	0.05		U		0.01
MW-50	Heptachlor	ug/L	0.05		U		0.01
MW-50	Heptachlor epoxide	ug/L	0.05		U		0.01
MW-50	Methoxychlor	ug/L	0.50		U		0.10
MW-50	Toxaphene	ug/L	5.0		U		1.0
MW-51	4,4'-DDD	ug/L	0.10		U	U	0.02
MW-51	4,4'-DDE	ug/L	0.10		U	U	0.02
MW-51	4,4'-DDT	ug/L	0.10		U	U	0.02
MW-51	Aldrin	ug/L	0.05		U	U	0.01
MW-51	alpha-BHC	ug/L	0.05		U	U	0.01
MW-51	alpha-Chlordane	ug/L	0.05		U	U	0.01
MW-51	Aroclor-1016	ug/L	1.0		U	U	0.20
MW-51	Aroclor-1221	ug/L	2.0		U	U	0.40
MW-51	Aroclor-1232	ug/L	1.0		U	U	0.20
MW-51	Aroclor-1242	ug/L	1.0		U	U	0.20
MW-51	Aroclor-1248	ug/L	1.0		U	U	0.20
MW-51	Aroclor-1254	ug/L	1.0		U	U	0.20
MW-51	Aroclor-1260	ug/L	1.0		U	U	0.20
MW-51	beta-BHC	ug/L	0.05		U	U	0.01
MW-51	delta-BHC	ug/L	0.05		U	U	0.01
MW-51	Dieldrin	ug/L	0.10		U	U	0.02
MW-51	Endosulfan I	ug/L	0.05		U	U	0.01
MW-51	Endosulfan II	ug/L	0.10		U	U	0.02
MW-51	Endosulfan sulfate	ug/L	0.10		U	U	0.02
MW-51	Endrin	ug/L	0.10		U	U	0.02
MW-51	Endrin aldehyde	ug/L	0.10		U	U	0.02
MW-51	Endrin ketone	ug/L	0.10		U	U	0.02
MW-51	gamma-BHC	ug/L	0.05		U	U	0.01
MW-51	gamma-Chlordane	ug/L	0.05		U	U	0.01
MW-51	Heptachlor	ug/L	0.05		U	U	0.01
MW-51	Heptachlor epoxide	ug/L	0.05		U	U	0.01
MW-51	Methoxychlor	ug/L	0.50		U	U	0.10
MW-51	Toxaphene	ug/L	5.0		U	U	1.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-52	4,4'-DDD	ug/L	0.10		U	UJ	0.02
MW-52	4,4'-DDE	ug/L	0.10		U	UJ	0.02
MW-52	4,4'-DDT	ug/L	0.10		U	UJ	0.02
MW-52	Aldrin	ug/L	0.05		U	UJ	0.01
MW-52	alpha-BHC	ug/L	0.05		U	UJ	0.01
MW-52	alpha-Chlordane	ug/L	0.05		U	UJ	0.01
MW-52	Aroclor-1016	ug/L	1.0		U	UJ	0.20
MW-52	Aroclor-1221	ug/L	2.0		U	UJ	0.40
MW-52	Aroclor-1232	ug/L	1.0		U	UJ	0.20
MW-52	Aroclor-1242	ug/L	1.0		U	UJ	0.20
MW-52	Aroclor-1248	ug/L	1.0		U	UJ	0.20
MW-52	Aroclor-1254	ug/L	1.0		U	UJ	0.20
MW-52	Aroclor-1260	ug/L	1.0		U	UJ	0.20
MW-52	beta-BHC	ug/L	0.05		U	UJ	0.01
MW-52	delta-BHC	ug/L	0.05		U	UJ	0.01
MW-52	Dieldrin	ug/L	0.10		U	UJ	0.02
MW-52	Endosulfan I	ug/L	0.05		U	UJ	0.01
MW-52	Endosulfan II	ug/L	0.10		U	UJ	0.02
MW-52	Endosulfan sulfate	ug/L	0.10		U	UJ	0.02
MW-52	Endrin	ug/L	0.10		U	UJ	0.02
MW-52	Endrin aldehyde	ug/L	0.10		U	UJ	0.02
MW-52	Endrin ketone	ug/L	0.10		U	UJ	0.02
MW-52	gamma-BHC	ug/L	0.05		U	UJ	0.01
MW-52	gamma-Chlordane	ug/L	0.05		U	UJ	0.01
MW-52	Heptachlor	ug/L	0.05		U	UJ	0.01
MW-52	Heptachlor epoxide	ug/L	0.05		U	UJ	0.01
MW-52	Methoxychlor	ug/L	0.50		U	UJ	0.10
MW-52	Toxaphene	ug/L	5.0		U	UJ	1.0
MW-53	4,4'-DDD	ug/L	0.10		U	UJ	0.02
MW-53	4,4'-DDE	ug/L	0.10		U	UJ	0.02
MW-53	4,4'-DDT	ug/L	0.10		U	UJ	0.02
MW-53	Aldrin	ug/L	0.05		U	UJ	0.01
MW-53	alpha-BHC	ug/L	0.05		U	UJ	0.01
MW-53	alpha-Chlordane	ug/L	0.05		U	UJ	0.01
MW-53	Aroclor-1016	ug/L	1.0		U	UJ	0.20
MW-53	Aroclor-1221	ug/L	2.0		U	UJ	0.40
MW-53	Aroclor-1232	ug/L	1.0		U	UJ	0.20
MW-53	Aroclor-1242	ug/L	1.0		U	UJ	0.20
MW-53	Aroclor-1248	ug/L	1.0		U	UJ	0.20
MW-53	Aroclor-1254	ug/L	1.0		U	UJ	0.20
MW-53	Aroclor-1260	ug/L	1.0		U	UJ	0.20
MW-53	beta-BHC	ug/L	0.05		U	UJ	0.01
MW-53	delta-BHC	ug/L	0.05		U	UJ	0.01
MW-53	Dieldrin	ug/L	0.10		U	UJ	0.02
MW-53	Endosulfan I	ug/L	0.05		U	UJ	0.01
MW-53	Endosulfan II	ug/L	0.10		U	UJ	0.02
MW-53	Endosulfan sulfate	ug/L	0.10		U	UJ	0.02
MW-53	Endrin	ug/L	0.10		U	UJ	0.02
MW-53	Endrin aldehyde	ug/L	0.10	0.01	J	J	0.02

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-53	Endrin ketone	ug/L	0.10		U	UJ	0.02
MW-53	gamma-BHC	ug/L	0.05		U	UJ	0.01
MW-53	gamma-Chlordane	ug/L	0.05		U	UJ	0.01
MW-53	Heptachlor	ug/L	0.05		U	UJ	0.01
MW-53	Heptachlor epoxide	ug/L	0.05		U	UJ	0.01
MW-53	Methoxychlor	ug/L	0.50		U	UJ	0.10
MW-53	Toxaphene	ug/L	5.0		U	UJ	1.0
MW-54	4,4'-DDD	ug/L	0.10		U	U	0.02
MW-54	4,4'-DDE	ug/L	0.10		U	U	0.02
MW-54	4,4'-DDT	ug/L	0.10		U	U	0.02
MW-54	Aldrin	ug/L	0.05		U	U	0.01
MW-54	alpha-BHC	ug/L	0.05		U	U	0.01
MW-54	alpha-Chlordane	ug/L	0.05		U	U	0.01
MW-54	Aroclor-1016	ug/L	1.0		U	U	0.20
MW-54	Aroclor-1221	ug/L	2.0		U	U	0.40
MW-54	Aroclor-1232	ug/L	1.0		U	U	0.20
MW-54	Aroclor-1242	ug/L	1.0		U	U	0.20
MW-54	Aroclor-1248	ug/L	1.0		U	U	0.20
MW-54	Aroclor-1254	ug/L	1.0		U	U	0.20
MW-54	Aroclor-1260	ug/L	1.0		U	U	0.20
MW-54	beta-BHC	ug/L	0.05		U	U	0.01
MW-54	delta-BHC	ug/L	0.05		U	U	0.01
MW-54	Dieldrin	ug/L	0.10		U	U	0.02
MW-54	Endosulfan I	ug/L	0.05		U	U	0.01
MW-54	Endosulfan II	ug/L	0.10		U	U	0.02
MW-54	Endosulfan sulfate	ug/L	0.10		U	U	0.02
MW-54	Endrin	ug/L	0.10		U	U	0.02
MW-54	Endrin aldehyde	ug/L	0.10		U	U	0.02
MW-54	Endrin ketone	ug/L	0.10		U	U	0.02
MW-54	gamma-BHC	ug/L	0.05		U	U	0.01
MW-54	gamma-Chlordane	ug/L	0.05		U	U	0.01
MW-54	Heptachlor	ug/L	0.05		U	U	0.01
MW-54	Heptachlor epoxide	ug/L	0.05		U	U	0.01
MW-54	Methoxychlor	ug/L	0.50		U	U	0.10
MW-54	Toxaphene	ug/L	5.0		U	U	1.0
MW-55	4,4'-DDD	ug/L	0.10		U	U	0.02
MW-55	4,4'-DDE	ug/L	0.10		U	U	0.02
MW-55	4,4'-DDT	ug/L	0.10		U	U	0.02
MW-55	Aldrin	ug/L	0.05		U	U	0.01
MW-55	alpha-BHC	ug/L	0.05		U	U	0.01
MW-55	alpha-Chlordane	ug/L	0.05		U	U	0.01
MW-55	Aroclor-1016	ug/L	1.0		U	U	0.20
MW-55	Aroclor-1221	ug/L	2.0		U	U	0.40
MW-55	Aroclor-1232	ug/L	1.0		U	U	0.20
MW-55	Aroclor-1242	ug/L	1.0		U	U	0.20
MW-55	Aroclor-1248	ug/L	1.0		U	U	0.20
MW-55	Aroclor-1254	ug/L	1.0		U	U	0.20
MW-55	Aroclor-1260	ug/L	1.0		U	U	0.20
MW-55	beta-BHC	ug/L	0.05		U	U	0.01

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-55	delta-BHC	ug/L	0.05		U	U	0.01
MW-55	Dieldrin	ug/L	0.10		U	U	0.02
MW-55	Endosulfan I	ug/L	0.05		U	U	0.01
MW-55	Endosulfan II	ug/L	0.10		U	U	0.02
MW-55	Endosulfan sulfate	ug/L	0.10		U	U	0.02
MW-55	Endrin	ug/L	0.10		U	U	0.02
MW-55	Endrin aldehyde	ug/L	0.10		U	U	0.02
MW-55	Endrin ketone	ug/L	0.10		U	U	0.02
MW-55	gamma-BHC	ug/L	0.05		U	U	0.01
MW-55	gamma-Chlordane	ug/L	0.05		U	U	0.01
MW-55	Heptachlor	ug/L	0.05		U	U	0.01
MW-55	Heptachlor epoxide	ug/L	0.05		U	U	0.01
MW-55	Methoxychlor	ug/L	0.50		U	U	0.10
MW-55	Toxaphene	ug/L	5.0		U	U	1.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
M-1S	Aluminum	ug/L	891	143	B		16
M-1S	Antimony	ug/L	2.0		U	U	1.0
M-1S	Arsenic	ug/L	3.0		B	U	2.1
M-1S	Barium	ug/L	908	**1,490**			1.0
M-1S	Beryllium	ug/L	1.0		U	U	1.0
M-1S	Cadmium	ug/L	1.0		U	U	1.0
M-1S	Calcium	ug/L	270,000	210,000			77
M-1S	Chromium (total)	ug/L	23	11			1.0
M-1S	Cobalt	ug/L	5.1	3.6	B		1.0
M-1S	Copper	ug/L	8.3		B	U	7.5
M-1S	Cyanide (total)	ug/L	10		U	U	10
M-1S	Iron	ug/L	23,600	12,900			6.0
M-1S	Lead	ug/L	2.5	1.5	B		1.0
M-1S	Magnesium	ug/L	91,100	75,600			3.0
M-1S	Manganese	ug/L	704	333			1.0
M-1S	Mercury	ug/L	0.20		U	U	0.20
M-1S	Nickel	ug/L	22	15	B	J	1.0
M-1S	Potassium	ug/L	46,400	**56,700**	E	J	16
M-1S	Selenium	ug/L	2.0		U	U	2.0
M-1S	Silver	ug/L	1.0		U	U	1.0
M-1S	Sodium	ug/L	125,000	114,000			21
M-1S	Thallium	ug/L	3.0		U	U	2.0
M-1S	Vanadium	ug/L	3.4	2.7	B		1.0
M-1S	Zinc	ug/L	21	**43**			1.0
M-3S	Aluminum	ug/L	197			U	58
M-3S	Antimony	ug/L	2.0			U	1.0
M-3S	Arsenic	ug/L	15	11			NA
M-3S	Barium	ug/L	280	201			NA
M-3S	Beryllium	ug/L	1.0			U	1.0
M-3S	Cadmium	ug/L	1.0			U	1.0
M-3S	Calcium	ug/L	132,500	114,500			NA
M-3S	Chromium (total)	ug/L	8.7			U	2.0
M-3S	Cobalt	ug/L	2,900			U	1.0
M-3S	Copper	ug/L	2,500			U	4.8
M-3S	Cyanide (total)	ug/L	10			U	10
M-3S	Iron	ug/L	4,475	4,150			NA
M-3S	Lead	ug/L	3.0			U	1.0
M-3S	Magnesium	ug/L	47,000	32,150			NA
M-3S	Manganese	ug/L	1,240	389			NA
M-3S	Mercury	ug/L	0.20			U	0.20
M-3S	Nickel	ug/L	12			U	5.4
M-3S	Potassium	ug/L	21,200	14,350		J	NA
M-3S	Selenium	ug/L	2.0			U	2.0
M-3S	Silver	ug/L	1.0			U	1.0
M-3S	Sodium	ug/L	42,500	**43,500**			NA
M-3S	Thallium	ug/L	3.0			U	2.0
M-3S	Vanadium	ug/L	3.1	2.3			NA
M-3S	Zinc	ug/L	17			U	8.7
M-4D	Aluminum	ug/L	1,140	**1,820**			16

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Comparison of Results to Baseline Highest Detections
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Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
M-4D	Antimony	ug/L	2.0	1.3	B		1.0
M-4D	Arsenic	ug/L	2.5		U	U	2.0
M-4D	Barium	ug/L	204	**207**			1.0
M-4D	Beryllium	ug/L	1.0		U	U	1.0
M-4D	Cadmium	ug/L	1.0		U	U	1.0
M-4D	Calcium	ug/L	99,100	**100,000**			77
M-4D	Chromium (total)	ug/L	14	9.1	B		1.0
M-4D	Cobalt	ug/L	1.2	**1.9**	B		1.0
M-4D	Copper	ug/L	4.3		B	U	11
M-4D	Cyanide (total)	ug/L	10		U	U	10
M-4D	Iron	ug/L	2,990	**4,290**			6.0
M-4D	Lead	ug/L	3.1	2.2	B		1.0
M-4D	Magnesium	ug/L	45,600	45,500			3.0
M-4D	Manganese	ug/L	56	**84**			1.0
M-4D	Mercury	ug/L	0.20		U	U	0.20
M-4D	Nickel	ug/L	12	8.7	B	J	1.0
M-4D	Potassium	ug/L	4,880	**5,290**	E	J	16
M-4D	Selenium	ug/L	2.0		U	U	2.0
M-4D	Silver	ug/L	1.0		U	U	1.0
M-4D	Sodium	ug/L	78,300	75,700			21
M-4D	Thallium	ug/L	3.0		U	U	2.0
M-4D	Vanadium	ug/L	2.0	**3.0**	B		1.0
M-4D	Zinc	ug/L	19		B	U	18
M-4S	Aluminum	ug/L	1,120	347			16
M-4S	Antimony	ug/L	2.0	1.3	B		1.0
M-4S	Arsenic	ug/L	6.8		B	U	3.3
M-4S	Barium	ug/L	737	509			1.0
M-4S	Beryllium	ug/L	1.2		U	U	1.0
M-4S	Cadmium	ug/L	1.0		U	U	1.0
M-4S	Calcium	ug/L	397,000	325,000			77
M-4S	Chromium (total)	ug/L	68		B	U	3.3
M-4S	Cobalt	ug/L	8.2	4.1	B		1.0
M-4S	Copper	ug/L	11		B	U	7.3
M-4S	Cyanide (total)	ug/L	10		U	U	10
M-4S	Iron	ug/L	39,500	28,500			6.0
M-4S	Lead	ug/L	6.1		U	U	1.0
M-4S	Magnesium	ug/L	57,300	46,100			3.0
M-4S	Manganese	ug/L	582	561			1.0
M-4S	Mercury	ug/L	0.20		U	U	0.20
M-4S	Nickel	ug/L	75	10	B	J	1.0
M-4S	Potassium	ug/L	23,000	20,300	E	J	16
M-4S	Selenium	ug/L	2.0		U	U	2.0
M-4S	Silver	ug/L	1.0		U	U	1.0
M-4S	Sodium	ug/L	130,000	77,100			21
M-4S	Thallium	ug/L	3.0		U	U	2.0
M-4S	Vanadium	ug/L	3.9	2.5	B		1.0
M-4S	Zinc	ug/L	30		B	U	9.7
MW-06	Aluminum	ug/L	180	**242**			16
MW-06	Antimony	ug/L	2.1	2.1	B		1.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-06	Arsenic	ug/L	72	**112**			2.0
MW-06	Barium	ug/L	369	361			1.0
MW-06	Beryllium	ug/L	1.0		U	U	1.0
MW-06	Cadmium	ug/L	1.0		U	U	1.0
MW-06	Calcium	ug/L	216,000	171,000			77
MW-06	Chromium (total)	ug/L	33	**62**			1.0
MW-06	Cobalt	ug/L	3.6	3.4	B		1.0
MW-06	Copper	ug/L	52		B	U	13
MW-06	Cyanide (total)	ug/L	17		U	U	10
MW-06	Iron	ug/L	16,500	**26,800**			6.0
MW-06	Lead	ug/L	9.6	4.1			1.0
MW-06	Magnesium	ug/L	37,600	37,100			3.0
MW-06	Manganese	ug/L	2,900	655			1.0
MW-06	Mercury	ug/L	0.20		U	U	0.20
MW-06	Nickel	ug/L	39	**62**		J	1.0
MW-06	Potassium	ug/L	27,400	17,800	E	J	16
MW-06	Selenium	ug/L	2.0	**2.6**	B		2.0
MW-06	Silver	ug/L	1.0		U	U	1.0
MW-06	Sodium	ug/L	449,000	88,700			21
MW-06	Thallium	ug/L	3.6		U	U	2.0
MW-06	Vanadium	ug/L	3.8	1.6	B		1.0
MW-06	Zinc	ug/L	27		B	U	15
MW-07	Aluminum	ug/L	1,630	61	B		16
MW-07	Antimony	ug/L	2.2		U	U	1.0
MW-07	Arsenic	ug/L	3.5		U	U	2.0
MW-07	Barium	ug/L	138	**153**	BE	J	1.0
MW-07	Beryllium	ug/L	1.0		U	U	1.0
MW-07	Cadmium	ug/L	1.0	**1.1**	B		1.0
MW-07	Calcium	ug/L	113,000	98,600			77
MW-07	Chromium (total)	ug/L	94	5.9	B		1.0
MW-07	Cobalt	ug/L	2.4		U	U	1.0
MW-07	Copper	ug/L	16	**18**	B		1.0
MW-07	Cyanide (total)	ug/L	10		U	U	10
MW-07	Iron	ug/L	6,790	863			6.0
MW-07	Lead	ug/L	5.8	1.9	B*		1.0
MW-07	Magnesium	ug/L	30,000	5,550		J	3.0
MW-07	Manganese	ug/L	219	21			1.0
MW-07	Mercury	ug/L	0.20		U	U	0.20
MW-07	Nickel	ug/L	38	17	B		1.0
MW-07	Potassium	ug/L	2,660	**4,190**	BE	J	16
MW-07	Selenium	ug/L	2.0		U	U	2.0
MW-07	Silver	ug/L	1.0		U	U	1.0
MW-07	Sodium	ug/L	20,200	**27,500**			21
MW-07	Thallium	ug/L	3.0		U	U	2.0
MW-07	Vanadium	ug/L	3.4		U	U	1.0
MW-07	Zinc	ug/L	30	**42**			1.0
MW-08	Aluminum	ug/L	839			U	16
MW-08	Antimony	ug/L	2.0			U	1.0
MW-08	Arsenic	ug/L	6.1	3.0			NA

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-08	Barium	ug/L	128	104		J	NA
MW-08	Beryllium	ug/L	1.0			U	1.0
MW-08	Cadmium	ug/L	1.0			U	1.0
MW-08	Calcium	ug/L	58,300	50,600			NA
MW-08	Chromium (total)	ug/L	37	2.4			NA
MW-08	Cobalt	ug/L	1.8			U	1.0
MW-08	Copper	ug/L	7.3	4.4			NA
MW-08	Cyanide (total)	ug/L	10	**10**			NA
MW-08	Iron	ug/L	3,420	829			NA
MW-08	Lead	ug/L	3.4			U	1.0
MW-08	Magnesium	ug/L	18,600	15,850		J	NA
MW-08	Manganese	ug/L	173	80			NA
MW-08	Mercury	ug/L	0.20			U	0.20
MW-08	Nickel	ug/L	23	3.6			NA
MW-08	Potassium	ug/L	1,540	1,160		J	NA
MW-08	Selenium	ug/L	2.0			U	2.0
MW-08	Silver	ug/L	1.0			U	1.0
MW-08	Sodium	ug/L	13,500	12,800			NA
MW-08	Thallium	ug/L	3.0			U	2.0
MW-08	Vanadium	ug/L	2.0			U	1.0
MW-08	Zinc	ug/L	34	14			NA
MW-09	Aluminum	ug/L	2,580	908		J	16
MW-09	Antimony	ug/L	2.0		B	UJ	2.0
MW-09	Arsenic	ug/L	6.8	4.2	B		2.0
MW-09	Barium	ug/L	349	325			1.0
MW-09	Beryllium	ug/L	1.0		U		1.0
MW-09	Cadmium	ug/L	2.4		U		1.0
MW-09	Calcium	ug/L	159,000	152,000			77
MW-09	Chromium (total)	ug/L	45			J	15
MW-09	Cobalt	ug/L	9.3	6.1	B		1.0
MW-09	Copper	ug/L	24	11	B	J	1.0
MW-09	Cyanide (total)	ug/L	10		U		10
MW-09	Iron	ug/L	20,700	15,900			6.0
MW-09	Lead	ug/L	6.7			U	3.9
MW-09	Magnesium	ug/L	33,000	26,700			3.0
MW-09	Manganese	ug/L	249	205			1.0
MW-09	Mercury	ug/L	0.67		U		0.20
MW-09	Nickel	ug/L	38	16	B	J	1.0
MW-09	Potassium	ug/L	11,150	**11,200**			16
MW-09	Selenium	ug/L	2.0		B	UJ	2.7
MW-09	Silver	ug/L	1.0		U		1.0
MW-09	Sodium	ug/L	110,000	87,500			21
MW-09	Thallium	ug/L	3.0		U		2.0
MW-09	Vanadium	ug/L	9.6	5.9	B		1.0
MW-09	Zinc	ug/L	41	27		J	1.0
MW-10C	Aluminum	ug/L	6,990	6,830			16
MW-10C	Antimony	ug/L	2.8		U		1.0
MW-10C	Arsenic	ug/L	10	5.9	B		2.0
MW-10C	Barium	ug/L	372	350			1.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-10C	Beryllium	ug/L	1.3		U		1.0
MW-10C	Cadmium	ug/L	1.0		U		1.0
MW-10C	Calcium	ug/L	141,000	136,000			77
MW-10C	Chromium (total)	ug/L	360	51			1.0
MW-10C	Cobalt	ug/L	14	13	B		1.0
MW-10C	Copper	ug/L	46	29			1.0
MW-10C	Cyanide (total)	ug/L	10		U		10
MW-10C	Iron	ug/L	21,300	19,000			6.0
MW-10C	Lead	ug/L	19	15			1.0
MW-10C	Magnesium	ug/L	65,900	62,100			3.0
MW-10C	Manganese	ug/L	447	348			1.0
MW-10C	Mercury	ug/L	0.20		U		0.20
MW-10C	Nickel	ug/L	257	50			1.0
MW-10C	Potassium	ug/L	7,460	**8,190**	E		16
MW-10C	Selenium	ug/L	2.0		B	UJ	2.3
MW-10C	Silver	ug/L	1.0		U		1.0
MW-10C	Sodium	ug/L	193,000	192,000			21
MW-10C	Thallium	ug/L	3.0	2.1	B		2.0
MW-10C	Vanadium	ug/L	15	14	B		1.0
MW-10C	Zinc	ug/L	119	95			1.0
MW-11	Aluminum	ug/L	1,470	**1,600**			16
MW-11	Antimony	ug/L	2.0		U	U	1.0
MW-11	Arsenic	ug/L	2.0		U	U	2.0
MW-11	Barium	ug/L	27	**28**	BE	J	1.0
MW-11	Beryllium	ug/L	1.0		U	U	1.0
MW-11	Cadmium	ug/L	1.0		U	U	1.0
MW-11	Calcium	ug/L	44,300	32,100			77
MW-11	Chromium (total)	ug/L	12	9.8	B		1.0
MW-11	Cobalt	ug/L	2.2	**2.7**	B		1.0
MW-11	Copper	ug/L	11	**22**	B		1.0
MW-11	Cyanide (total)	ug/L	10		U	U	10
MW-11	Iron	ug/L	2,910	**9,740**		J	6.0
MW-11	Lead	ug/L	7.9	3.8	*		1.0
MW-11	Magnesium	ug/L	18,200	13,100		J	3.0
MW-11	Manganese	ug/L	525	182			1.0
MW-11	Mercury	ug/L	0.20		U	U	0.20
MW-11	Nickel	ug/L	8.8	**12**	B		1.0
MW-11	Potassium	ug/L	2,450	1,810	BE	J	16
MW-11	Selenium	ug/L	2.0		U	U	2.0
MW-11	Silver	ug/L	1.0		U	U	1.0
MW-11	Sodium	ug/L	4,890	4,150	B		21
MW-11	Thallium	ug/L	3.0		U	U	2.0
MW-11	Vanadium	ug/L	6.5	**20**	B		1.0
MW-11	Zinc	ug/L	91	36			1.0
MW-12	Aluminum	ug/L	2,020	460			16
MW-12	Antimony	ug/L	2.0		U	U	1.0
MW-12	Arsenic	ug/L	7.8	4.3	B		2.0
MW-12	Barium	ug/L	83	**86**	B		1.0
MW-12	Beryllium	ug/L	1.0		U	U	1.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-12	Cadmium	ug/L	1.5		U	U	1.0
MW-12	Calcium	ug/L	55,700	49,800			77
MW-12	Chromium (total)	ug/L	12	4.9	B		1.0
MW-12	Cobalt	ug/L	2.4	1.5	B		1.0
MW-12	Copper	ug/L	17	14	B		1.0
MW-12	Cyanide (total)	ug/L	10		U	U	10
MW-12	Iron	ug/L	30,100	**30,400**			6.0
MW-12	Lead	ug/L	12	12			1.0
MW-12	Magnesium	ug/L	18,850	18,000			3.0
MW-12	Manganese	ug/L	1,340	1,090			1.0
MW-12	Mercury	ug/L	0.20		U	U	0.20
MW-12	Nickel	ug/L	13	3.8	B		1.0
MW-12	Potassium	ug/L	4,780	2,540	B		16
MW-12	Selenium	ug/L	2.0	**2.2**	B		2.0
MW-12	Silver	ug/L	1.0		U	U	1.0
MW-12	Sodium	ug/L	20,000	10,100			21
MW-12	Thallium	ug/L	3.0		U	U	2.0
MW-12	Vanadium	ug/L	24	**29**	B		1.0
MW-12	Zinc	ug/L	39	14	B		1.0
MW-13	Aluminum	ug/L	427	**930**			16
MW-13	Antimony	ug/L	2.0		U	U	1.0
MW-13	Arsenic	ug/L	2.0	**2.1**	B		2.0
MW-13	Barium	ug/L	69	**77**	B		1.0
MW-13	Beryllium	ug/L	1.0		U	U	1.0
MW-13	Cadmium	ug/L	1.0		U	U	1.0
MW-13	Calcium	ug/L	130,000	114,000			77
MW-13	Chromium (total)	ug/L	4.2	**30**			1.0
MW-13	Cobalt	ug/L	1.9	**2.4**	B		1.0
MW-13	Copper	ug/L	5.9	**39**			1.0
MW-13	Cyanide (total)	ug/L	10		U	U	10
MW-13	Iron	ug/L	6,090	**14,200**			6.0
MW-13	Lead	ug/L	2.3	**4.1**			1.0
MW-13	Magnesium	ug/L	37,000	32,000			3.0
MW-13	Manganese	ug/L	674	**705**			1.0
MW-13	Mercury	ug/L	0.20		U	U	0.20
MW-13	Nickel	ug/L	4.3	**19**	B		1.0
MW-13	Potassium	ug/L	2,940	2,190	B		16
MW-13	Selenium	ug/L	2.0		U	U	2.0
MW-13	Silver	ug/L	1.0		U	U	1.0
MW-13	Sodium	ug/L	35,700	22,900			21
MW-13	Thallium	ug/L	3.0		U	U	2.0
MW-13	Vanadium	ug/L	1.8	**4.0**	B		1.0
MW-13	Zinc	ug/L	17	**35**			1.0
MW-14	Aluminum	ug/L	13,800	9,010			16
MW-14	Antimony	ug/L	2.3		B	UJ	2.5
MW-14	Arsenic	ug/L	11	**12**			2.0
MW-14	Barium	ug/L	122	82	B		1.0
MW-14	Beryllium	ug/L	1.0		U		1.0
MW-14	Cadmium	ug/L	1.0		U		1.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-14	Calcium	ug/L	142,000	65,300			77
MW-14	Chromium (total)	ug/L	36	**41**			1.0
MW-14	Cobalt	ug/L	12	9.6	B		1.0
MW-14	Copper	ug/L	32	28			1.0
MW-14	Cyanide (total)	ug/L	10		U		10
MW-14	Iron	ug/L	33,000	31,500			6.0
MW-14	Lead	ug/L	20	11			1.0
MW-14	Magnesium	ug/L	26,200	18,000			3.0
MW-14	Manganese	ug/L	831	297			1.0
MW-14	Mercury	ug/L	0.20		U		0.20
MW-14	Nickel	ug/L	29	29	B		1.0
MW-14	Potassium	ug/L	12,500	5,640			16
MW-14	Selenium	ug/L	2.3	**3.0**	B		2.0
MW-14	Silver	ug/L	1.0		U		1.0
MW-14	Sodium	ug/L	37,900	5,780			21
MW-14	Thallium	ug/L	3.0		U		2.0
MW-14	Vanadium	ug/L	34	32	B		1.0
MW-14	Zinc	ug/L	63	50			1.0
MW-15	Aluminum	ug/L	487	**610**			16
MW-15	Antimony	ug/L	2.0		U	U	1.0
MW-15	Arsenic	ug/L	59	50			2.0
MW-15	Barium	ug/L	1,470	**1,550**			1.0
MW-15	Beryllium	ug/L	1.0		U	U	1.0
MW-15	Cadmium	ug/L	1.0		U	U	1.0
MW-15	Calcium	ug/L	94,100	69,800			77
MW-15	Chromium (total)	ug/L	13	8.5	B		1.0
MW-15	Cobalt	ug/L	5.1	**5.5**	B		1.0
MW-15	Copper	ug/L	26		B	U	15
MW-15	Cyanide (total)	ug/L	10		U	U	10
MW-15	Iron	ug/L	7,900	7,210			6.0
MW-15	Lead	ug/L	2.4	1.3	B		1.0
MW-15	Magnesium	ug/L	93,100	80,000			3.0
MW-15	Manganese	ug/L	534	121			1.0
MW-15	Mercury	ug/L	0.20	**0.24**			0.20
MW-15	Nickel	ug/L	24	24	B	J	1.0
MW-15	Potassium	ug/L	122,000	**128,000**	E	J	16
MW-15	Selenium	ug/L	2.0		U	U	2.0
MW-15	Silver	ug/L	1.0		U	U	1.0
MW-15	Sodium	ug/L	459,000	**594,000**			21
MW-15	Thallium	ug/L	3.1		B	U	2.9
MW-15	Vanadium	ug/L	1.5	**1.8**	B		1.0
MW-15	Zinc	ug/L	44			U	21
MW-18	Aluminum	ug/L	56		U	U	16
MW-18	Antimony	ug/L	2.0		U	U	1.0
MW-18	Arsenic	ug/L	2.4		U	U	2.0
MW-18	Barium	ug/L	35	33	B		1.0
MW-18	Beryllium	ug/L	1.0		U	U	1.0
MW-18	Cadmium	ug/L	1.0		U	U	1.0
MW-18	Calcium	ug/L	88,500	76,700			77

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-18	Chromium (total)	ug/L	71		B	U	5.6
MW-18	Cobalt	ug/L	1.1		U	U	1.0
MW-18	Copper	ug/L	13		B	U	8.8
MW-18	Cyanide (total)	ug/L	10		U	U	10
MW-18	Iron	ug/L	288	56	B		6.0
MW-18	Lead	ug/L	14	1.3	B		1.0
MW-18	Magnesium	ug/L	28,500	25,400			3.0
MW-18	Manganese	ug/L	609	17			1.0
MW-18	Mercury	ug/L	0.20		U	U	0.20
MW-18	Nickel	ug/L	6.2		B	U	3.3
MW-18	Potassium	ug/L	3,850	3,250	BE	J	16
MW-18	Selenium	ug/L	3.9	**4.0**	B		2.0
MW-18	Silver	ug/L	1.0		U	U	1.0
MW-18	Sodium	ug/L	67,700	**76,200**			21
MW-18	Thallium	ug/L	3.0		U	U	2.0
MW-18	Vanadium	ug/L	1.5		U	U	1.0
MW-18	Zinc	ug/L	67			U	27
MW-19	Aluminum	ug/L	421	189	B		16
MW-19	Antimony	ug/L	2.0		U	U	1.0
MW-19	Arsenic	ug/L	27	14			2.0
MW-19	Barium	ug/L	673	598	E	J	1.0
MW-19	Beryllium	ug/L	1.0		U	U	1.0
MW-19	Cadmium	ug/L	1.0		U	U	1.0
MW-19	Calcium	ug/L	85,300	71,100			77
MW-19	Chromium (total)	ug/L	10	1.6	B		1.0
MW-19	Cobalt	ug/L	2.3		U	U	1.0
MW-19	Copper	ug/L	184	5.0	B		1.0
MW-19	Cyanide (total)	ug/L	10		U	U	10
MW-19	Iron	ug/L	4,810	4,080		J	6.0
MW-19	Lead	ug/L	3.7		U*	U	1.0
MW-19	Magnesium	ug/L	67,700	59,900		J	3.0
MW-19	Manganese	ug/L	268	180			1.0
MW-19	Mercury	ug/L	0.20		U	U	0.20
MW-19	Nickel	ug/L	19	11	B		1.0
MW-19	Potassium	ug/L	114,000	87,100	E	J	16
MW-19	Selenium	ug/L	2.0		U	U	2.0
MW-19	Silver	ug/L	1.0		U	U	1.0
MW-19	Sodium	ug/L	975,000	731,000			21
MW-19	Thallium	ug/L	4.7		B	U	2.1
MW-19	Vanadium	ug/L	1.6		U	U	1.0
MW-19	Zinc	ug/L	16	5.8	B		1.0
MW-22	Aluminum	ug/L	579	371			16
MW-22	Antimony	ug/L	3.8		B	U	1.0
MW-22	Arsenic	ug/L	3.3		U	U	2.0
MW-22	Barium	ug/L	628	464			1.0
MW-22	Beryllium	ug/L	1.0		U	U	1.0
MW-22	Cadmium	ug/L	1.0		U	U	1.0
MW-22	Calcium	ug/L	254,000	205,000			77
MW-22	Chromium (total)	ug/L	20	5.4	B		1.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-22	Cobalt	ug/L	1.3	1.0	B		1.0
MW-22	Copper	ug/L	125	24	B		1.0
MW-22	Cyanide (total)	ug/L	10		U	U	10
MW-22	Iron	ug/L	1,340	1,100			6.0
MW-22	Lead	ug/L	6.8	3.9			1.0
MW-22	Magnesium	ug/L	41,500	36,800			3.0
MW-22	Manganese	ug/L	49	47			1.0
MW-22	Mercury	ug/L	0.20		U	U	0.20
MW-22	Nickel	ug/L	18	6.5	B		1.0
MW-22	Potassium	ug/L	93,100	19,000			16
MW-22	Selenium	ug/L	2.0	**3.0**	B		2.0
MW-22	Silver	ug/L	1.0		U	U	1.0
MW-22	Sodium	ug/L	338,000	282,000			21
MW-22	Thallium	ug/L	3.0	**3.6**	B		2.0
MW-22	Vanadium	ug/L	1.0	**1.1**	B		1.0
MW-22	Zinc	ug/L	21	13	B		1.0
MW-23	Aluminum	ug/L	2,480	**3,810**			16
MW-23	Antimony	ug/L	2.0		B	U	1.4
MW-23	Arsenic	ug/L	5.3		U	U	2.0
MW-23	Barium	ug/L	140	131	BE	J	1.0
MW-23	Beryllium	ug/L	1.0		U	U	1.0
MW-23	Cadmium	ug/L	1.0		U	U	1.0
MW-23	Calcium	ug/L	86,500	**90,700**			77
MW-23	Chromium (total)	ug/L	19	**26**			1.0
MW-23	Cobalt	ug/L	4.7	**6.4**	B		1.0
MW-23	Copper	ug/L	20	**25**	B		1.0
MW-23	Cyanide (total)	ug/L	10		U	U	10
MW-23	Iron	ug/L	11,700	**14,500**		J	6.0
MW-23	Lead	ug/L	7.7	**10**	*		1.0
MW-23	Magnesium	ug/L	23,800	**25,800**		J	3.0
MW-23	Manganese	ug/L	377	**443**			1.0
MW-23	Mercury	ug/L	0.20		U	U	0.20
MW-23	Nickel	ug/L	20	**27**	B		1.0
MW-23	Potassium	ug/L	4,350	4,080	BE	J	16
MW-23	Selenium	ug/L	2.0		B	U	2.5
MW-23	Silver	ug/L	1.0		U	U	1.0
MW-23	Sodium	ug/L	75,300	64,500			21
MW-23	Thallium	ug/L	3.0		U	U	2.0
MW-23	Vanadium	ug/L	7.1	**10**	B		1.0
MW-23	Zinc	ug/L	33	**50**			1.0
MW-24	Aluminum	ug/L	14,800	7,870			16
MW-24	Antimony	ug/L	2.0		B	U	1.1
MW-24	Arsenic	ug/L	10	4.8	B		2.0
MW-24	Barium	ug/L	386	256			1.0
MW-24	Beryllium	ug/L	1.6		U	U	1.0
MW-24	Cadmium	ug/L	1.0		U	U	1.0
MW-24	Calcium	ug/L	170,000	161,000			77
MW-24	Chromium (total)	ug/L	143	81			1.0
MW-24	Cobalt	ug/L	14	8.2	B		1.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-24	Copper	ug/L	94	54			1.0
MW-24	Cyanide (total)	ug/L	10		U	U	10
MW-24	Iron	ug/L	51,500	23,200			6.0
MW-24	Lead	ug/L	25	14			1.0
MW-24	Magnesium	ug/L	51,800	45,300			3.0
MW-24	Manganese	ug/L	696	525			1.0
MW-24	Mercury	ug/L	0.20		U	U	0.20
MW-24	Nickel	ug/L	96	55			1.0
MW-24	Potassium	ug/L	9,750	5,980			16
MW-24	Selenium	ug/L	2.6	**3.2**	B		2.0
MW-24	Silver	ug/L	1.0		U	U	1.0
MW-24	Sodium	ug/L	95,600	85,300			21
MW-24	Thallium	ug/L	4.0		U	U	2.0
MW-24	Vanadium	ug/L	30	17	B		1.0
MW-24	Zinc	ug/L	97	62			1.0
MW-28	Aluminum	ug/L	2,850		B	U	69
MW-28	Antimony	ug/L	2.0		U	U	1.0
MW-28	Arsenic	ug/L	4.9		B	U	2.1
MW-28	Barium	ug/L	131	**145**	B		1.0
MW-28	Beryllium	ug/L	1.1		U	U	1.0
MW-28	Cadmium	ug/L	1.0		U	U	1.0
MW-28	Calcium	ug/L	96,800	51,500			77
MW-28	Chromium (total)	ug/L	108	6.7	B		1.0
MW-28	Cobalt	ug/L	6.4		U	U	1.0
MW-28	Copper	ug/L	55	23	B		1.0
MW-28	Cyanide (total)	ug/L	10		U	U	10
MW-28	Iron	ug/L	7,090	74	B		6.0
MW-28	Lead	ug/L	12	1.6	B		1.0
MW-28	Magnesium	ug/L	41,400	18,800			3.0
MW-28	Manganese	ug/L	169	24			1.0
MW-28	Mercury	ug/L	0.20		U	U	0.20
MW-28	Nickel	ug/L	74	13	B	J	1.0
MW-28	Potassium	ug/L	3,580	1,820	BE	J	16
MW-28	Selenium	ug/L	2.0		U	U	2.0
MW-28	Silver	ug/L	1.0		U	U	1.0
MW-28	Sodium	ug/L	16,400	11,500			21
MW-28	Thallium	ug/L	3.0		U	U	2.0
MW-28	Vanadium	ug/L	7.1		U	U	1.0
MW-28	Zinc	ug/L	49	39			1.0
MW-29	Aluminum	ug/L	635	389			16
MW-29	Antimony	ug/L	2.0		U		1.0
MW-29	Arsenic	ug/L	2.9		U		2.0
MW-29	Barium	ug/L	140	126	B		1.0
MW-29	Beryllium	ug/L	1.0		U		1.0
MW-29	Cadmium	ug/L	1.0		U		1.0
MW-29	Calcium	ug/L	115,000	105,000			77
MW-29	Chromium (total)	ug/L	24	14			1.0
MW-29	Cobalt	ug/L	2.6	**3.1**	B		1.0
MW-29	Copper	ug/L	15	8.1	B		1.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-29	Cyanide (total)	ug/L	10		U		10
MW-29	Iron	ug/L	7,410	**7,630**			6.0
MW-29	Lead	ug/L	2.4	1.6	B		1.0
MW-29	Magnesium	ug/L	55,700	43,900			3.0
MW-29	Manganese	ug/L	218	113			1.0
MW-29	Mercury	ug/L	0.20		U		0.20
MW-29	Nickel	ug/L	31	13	B		1.0
MW-29	Potassium	ug/L	7,040	3,500	B		16
MW-29	Selenium	ug/L	2.0		U		2.0
MW-29	Silver	ug/L	1.0		U		1.0
MW-29	Sodium	ug/L	76,100	**77,500**			21
MW-29	Thallium	ug/L	3.0		U		2.0
MW-29	Vanadium	ug/L	1.8	1.6	B		1.0
MW-29	Zinc	ug/L	22	13	B		1.0
MW-30	Aluminum	ug/L	1,830	528			16
MW-30	Antimony	ug/L	2.0		U	U	1.0
MW-30	Arsenic	ug/L	4.3		U	U	2.0
MW-30	Barium	ug/L	210	200			1.0
MW-30	Beryllium	ug/L	1.0		U	U	1.0
MW-30	Cadmium	ug/L	1.0		U	U	1.0
MW-30	Calcium	ug/L	170,000	92,800			77
MW-30	Chromium (total)	ug/L	50	10			1.0
MW-30	Cobalt	ug/L	15	7.8	B		1.0
MW-30	Copper	ug/L	40	14	B		1.0
MW-30	Cyanide (total)	ug/L	10		U	U	10
MW-30	Iron	ug/L	8,590	4,740			6.0
MW-30	Lead	ug/L	8.0	2.8	B		1.0
MW-30	Magnesium	ug/L	51,000	44,700			3.0
MW-30	Manganese	ug/L	240	60			1.0
MW-30	Mercury	ug/L	0.20		U	U	0.20
MW-30	Nickel	ug/L	59	12	B		1.0
MW-30	Potassium	ug/L	4,980	2,880	B		16
MW-30	Selenium	ug/L	2.0		U	U	2.0
MW-30	Silver	ug/L	1.0		U	U	1.0
MW-30	Sodium	ug/L	40,900	39,300			21
MW-30	Thallium	ug/L	3.0		U	U	2.0
MW-30	Vanadium	ug/L	3.8	1.3	B		1.0
MW-30	Zinc	ug/L	40	17	B		1.0
MW-31	Aluminum	ug/L	1,890	881			16
MW-31	Antimony	ug/L	2.7		U	U	1.0
MW-31	Arsenic	ug/L	7.5	3.6	B		2.0
MW-31	Barium	ug/L	246	**249**	E	J	1.0
MW-31	Beryllium	ug/L	1.0		U	U	1.0
MW-31	Cadmium	ug/L	1.0		U	U	1.0
MW-31	Calcium	ug/L	96,400	86,500			77
MW-31	Chromium (total)	ug/L	89	30			1.0
MW-31	Cobalt	ug/L	4.3	1.9	B		1.0
MW-31	Copper	ug/L	52	26			1.0
MW-31	Cyanide (total)	ug/L	10		U	U	10

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-31	Iron	ug/L	6,230	3,820			6.0
MW-31	Lead	ug/L	8.9	3.6	*		1.0
MW-31	Magnesium	ug/L	35,100	32,600		J	3.0
MW-31	Manganese	ug/L	174	111			1.0
MW-31	Mercury	ug/L	0.20		U	U	0.20
MW-31	Nickel	ug/L	66	24	B		1.0
MW-31	Potassium	ug/L	3,870	2,130	BE	J	16
MW-31	Selenium	ug/L	2.0	**3.2**	B		2.0
MW-31	Silver	ug/L	1.0		U	U	1.0
MW-31	Sodium	ug/L	19,800	19,500			21
MW-31	Thallium	ug/L	3.0		U	U	2.0
MW-31	Vanadium	ug/L	4.3	1.7	B		1.0
MW-31	Zinc	ug/L	38	31			1.0
MW-32	Aluminum	ug/L	10,500	4,310			16
MW-32	Antimony	ug/L	2.0		U	U	1.0
MW-32	Arsenic	ug/L	4.9		U	U	2.0
MW-32	Barium	ug/L	258	242	E	J	1.0
MW-32	Beryllium	ug/L	1.5		U	U	1.0
MW-32	Cadmium	ug/L	1.0		U	U	1.0
MW-32	Calcium	ug/L	77,700	75,600			77
MW-32	Chromium (total)	ug/L	149	42			1.0
MW-32	Cobalt	ug/L	3.2	2.1	B		1.0
MW-32	Copper	ug/L	30	**37**			1.0
MW-32	Cyanide (total)	ug/L	10		U	U	10
MW-32	Iron	ug/L	14,600	7,700			6.0
MW-32	Lead	ug/L	11	6.9	*		1.0
MW-32	Magnesium	ug/L	48,000	47,300		J	3.0
MW-32	Manganese	ug/L	219	89			1.0
MW-32	Mercury	ug/L	0.20		U	U	0.20
MW-32	Nickel	ug/L	96	39	B		1.0
MW-32	Potassium	ug/L	5,560	4,480	BE	J	16
MW-32	Selenium	ug/L	2.0		U	U	2.0
MW-32	Silver	ug/L	1.0		U	U	1.0
MW-32	Sodium	ug/L	55,000	34,200			21
MW-32	Thallium	ug/L	3.0		U	U	2.0
MW-32	Vanadium	ug/L	5.6	2.6	B		1.0
MW-32	Zinc	ug/L	47	40			1.0
MW-33	Aluminum	ug/L	195			U	215
MW-33	Antimony	ug/L	2.0		B	U	1.3
MW-33	Arsenic	ug/L	23	18			2.0
MW-33	Barium	ug/L	1,340	1,160			1.0
MW-33	Beryllium	ug/L	1.0		U	U	1.0
MW-33	Cadmium	ug/L	1.4		U	U	1.0
MW-33	Calcium	ug/L	313,000	275,000			77
MW-33	Chromium (total)	ug/L	15	12			1.0
MW-33	Cobalt	ug/L	6.1	3.3	B		1.0
MW-33	Copper	ug/L	15	**28**			1.0
MW-33	Cyanide (total)	ug/L	10		U	U	10
MW-33	Iron	ug/L	28,500	25,800			6.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-33	Lead	ug/L	1.5	**2.4**	B		1.0
MW-33	Magnesium	ug/L	70,500	61,300			3.0
MW-33	Manganese	ug/L	686	109			1.0
MW-33	Mercury	ug/L	0.20		U	U	0.20
MW-33	Nickel	ug/L	48	18	B		1.0
MW-33	Potassium	ug/L	15,800	15,100			16
MW-33	Selenium	ug/L	2.0		U	U	2.0
MW-33	Silver	ug/L	1.0		U	U	1.0
MW-33	Sodium	ug/L	195,000	187,000			21
MW-33	Thallium	ug/L	3.8		U	U	2.0
MW-33	Vanadium	ug/L	1.8		U	U	1.0
MW-33	Zinc	ug/L	27	18	B		1.0
MW-34	Aluminum	ug/L	1,140	427			16
MW-34	Antimony	ug/L	2.1		U	U	1.0
MW-34	Arsenic	ug/L	2.8		U	U	2.0
MW-34	Barium	ug/L	176	175	B		1.0
MW-34	Beryllium	ug/L	1.0		U	U	1.0
MW-34	Cadmium	ug/L	1.0		U	U	1.0
MW-34	Calcium	ug/L	85,700	**85,800**			77
MW-34	Chromium (total)	ug/L	38	**38**			1.0
MW-34	Cobalt	ug/L	2.4	1.3	B		1.0
MW-34	Copper	ug/L	24	22	B		1.0
MW-34	Cyanide (total)	ug/L	10		U	U	10
MW-34	Iron	ug/L	4,360	4,160			6.0
MW-34	Lead	ug/L	3.8	**4.8**			1.0
MW-34	Magnesium	ug/L	51,000	51,000			3.0
MW-34	Manganese	ug/L	138	43			1.0
MW-34	Mercury	ug/L	0.20		U	U	0.20
MW-34	Nickel	ug/L	34	25	B		1.0
MW-34	Potassium	ug/L	5,810	4,810	B		16
MW-34	Selenium	ug/L	2.0		U	U	2.0
MW-34	Silver	ug/L	1.0		U	U	1.0
MW-34	Sodium	ug/L	37,200	36,500			21
MW-34	Thallium	ug/L	3.0		U	U	2.0
MW-34	Vanadium	ug/L	1.1	1.0	B		1.0
MW-34	Zinc	ug/L	30	29			1.0
MW-36	Aluminum	ug/L	4,770	140	B		16
MW-36	Antimony	ug/L	2.0		U	U	1.0
MW-36	Arsenic	ug/L	3.4		U	U	2.0
MW-36	Barium	ug/L	242	171	BE	J	1.0
MW-36	Beryllium	ug/L	1.0		U	U	1.0
MW-36	Cadmium	ug/L	1.0		U	U	1.0
MW-36	Calcium	ug/L	75,400	74,800			77
MW-36	Chromium (total)	ug/L	81	6.3	B		1.0
MW-36	Cobalt	ug/L	3.1		U	U	1.0
MW-36	Copper	ug/L	38	9.9	B		1.0
MW-36	Cyanide (total)	ug/L	10		U	U	10
MW-36	Iron	ug/L	9,550	3,190			6.0
MW-36	Lead	ug/L	8.9	1.7	B*		1.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-36	Magnesium	ug/L	48,100	46,100		J	3.0
MW-36	Manganese	ug/L	145	40			1.0
MW-36	Mercury	ug/L	0.20		U	U	0.20
MW-36	Nickel	ug/L	68	8.3	B		1.0
MW-36	Potassium	ug/L	6,990	4,250	BE	J	16
MW-36	Selenium	ug/L	2.0	**2.5**	B		2.0
MW-36	Silver	ug/L	1.0		U	U	1.0
MW-36	Sodium	ug/L	40,600	31,800			21
MW-36	Thallium	ug/L	3.0		U	U	2.0
MW-36	Vanadium	ug/L	3.3		U	U	1.0
MW-36	Zinc	ug/L	46	30			1.0
MW-37	Aluminum	ug/L	1,410	1,020			16
MW-37	Antimony	ug/L	2.0		U	U	1.0
MW-37	Arsenic	ug/L	2.5		U	U	2.0
MW-37	Barium	ug/L	34	**52**	BE	J	1.0
MW-37	Beryllium	ug/L	1.0		U	U	1.0
MW-37	Cadmium	ug/L	1.0		U	U	1.0
MW-37	Calcium	ug/L	85,600	81,000			77
MW-37	Chromium (total)	ug/L	10	6.2	B		1.0
MW-37	Cobalt	ug/L	10	3.1	B		1.0
MW-37	Copper	ug/L	21	11	B		1.0
MW-37	Cyanide (total)	ug/L	10		U	U	10
MW-37	Iron	ug/L	9,665	**10,600**		J	6.0
MW-37	Lead	ug/L	8.6	6.4	*		1.0
MW-37	Magnesium	ug/L	26,850	24,600		J	3.0
MW-37	Manganese	ug/L	694	656			1.0
MW-37	Mercury	ug/L	0.20		U	U	0.20
MW-37	Nickel	ug/L	20	8.2	B		1.0
MW-37	Potassium	ug/L	2,025	1,590	BE	J	16
MW-37	Selenium	ug/L	2.0		U	U	2.0
MW-37	Silver	ug/L	10		U	U	1.0
MW-37	Sodium	ug/L	17,500	14,000			21
MW-37	Thallium	ug/L	3.0		U	U	2.0
MW-37	Vanadium	ug/L	20	3.2	B		1.0
MW-37	Zinc	ug/L	23	18	B		1.0
MW-38	Aluminum	ug/L	1,280		B	U	43
MW-38	Antimony	ug/L	2.0		U	U	1.0
MW-38	Arsenic	ug/L	5.6		U	U	2.0
MW-38	Barium	ug/L	54	37	B		1.0
MW-38	Beryllium	ug/L	1.0		U	U	1.0
MW-38	Cadmium	ug/L	1.0		U	U	1.0
MW-38	Calcium	ug/L	63,500	57,300			77
MW-38	Chromium (total)	ug/L	12		B	U	2.2
MW-38	Cobalt	ug/L	10	1.7	B		1.0
MW-38	Copper	ug/L	14		B	U	5.5
MW-38	Cyanide (total)	ug/L	10		U	U	10
MW-38	Iron	ug/L	16,200	5,760			6.0
MW-38	Lead	ug/L	10		U	U	1.0
MW-38	Magnesium	ug/L	22,000	19,200			3.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-38	Manganese	ug/L	1,270	575			1.0
MW-38	Mercury	ug/L	0.20		U	U	0.20
MW-38	Nickel	ug/L	22		B	U	6.7
MW-38	Potassium	ug/L	959	534	BE	J	16
MW-38	Selenium	ug/L	2.0		U	U	2.0
MW-38	Silver	ug/L	10		U	U	1.0
MW-38	Sodium	ug/L	7,380	5,920			21
MW-38	Thallium	ug/L	3.0		U	U	2.0
MW-38	Vanadium	ug/L	20	2.7	B		1.0
MW-38	Zinc	ug/L	73	35			1.0
MW-39	Aluminum	ug/L	520		B	U	43
MW-39	Antimony	ug/L	2.0		U	U	1.0
MW-39	Arsenic	ug/L	4.3		U	U	2.0
MW-39	Barium	ug/L	95	76	B		1.0
MW-39	Beryllium	ug/L	1.0		U	U	1.0
MW-39	Cadmium	ug/L	1.0		U	U	1.0
MW-39	Calcium	ug/L	125,000	115,000			77
MW-39	Chromium (total)	ug/L	12		B	U	2.2
MW-39	Cobalt	ug/L	10		U	U	1.0
MW-39	Copper	ug/L	16		B	U	4.7
MW-39	Cyanide (total)	ug/L	10		U	U	10
MW-39	Iron	ug/L	17,300	7,620			6.0
MW-39	Lead	ug/L	3.5		U	U	1.0
MW-39	Magnesium	ug/L	22,300	19,700			3.0
MW-39	Manganese	ug/L	1,060	801			1.0
MW-39	Mercury	ug/L	0.20		U	U	0.20
MW-39	Nickel	ug/L	712		B	U	4.7
MW-39	Potassium	ug/L	8,190	6,830	E	J	16
MW-39	Selenium	ug/L	2.0		U	U	2.0
MW-39	Silver	ug/L	10		U	U	1.0
MW-39	Sodium	ug/L	123,000	**131,000**			21
MW-39	Thallium	ug/L	3.0		U	U	2.0
MW-39	Vanadium	ug/L	20		U	U	1.0
MW-39	Zinc	ug/L	36		B	U	10
MW-40	Aluminum	ug/L	2,040	708			NA
MW-40	Antimony	ug/L	2.0			U	1.0
MW-40	Arsenic	ug/L	3.8			U	2.0
MW-40	Barium	ug/L	27	**28**			NA
MW-40	Beryllium	ug/L	1.0			U	1.0
MW-40	Cadmium	ug/L	1.0			U	1.0
MW-40	Calcium	ug/L	35,900	32,450			NA
MW-40	Chromium (total)	ug/L	10			U	5.0
MW-40	Cobalt	ug/L	10	1.6			NA
MW-40	Copper	ug/L	13			U	7.1
MW-40	Cyanide (total)	ug/L	10			U	10
MW-40	Iron	ug/L	4,120	2,095			NA
MW-40	Lead	ug/L	11	2.7			NA
MW-40	Magnesium	ug/L	12,950	10,850			NA
MW-40	Manganese	ug/L	852	392			NA

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-40	Mercury	ug/L	0.20			U	0.20
MW-40	Nickel	ug/L	20			U	6.4
MW-40	Potassium	ug/L	1,700	1,070		J	NA
MW-40	Selenium	ug/L	2.0			U	2.0
MW-40	Silver	ug/L	10			U	1.0
MW-40	Sodium	ug/L	7,800	3,660			NA
MW-40	Thallium	ug/L	3.0			U	2.0
MW-40	Vanadium	ug/L	20	2.4			NA
MW-40	Zinc	ug/L	26			U	13
MW-41	Aluminum	ug/L	1,040	339			16
MW-41	Antimony	ug/L	2.0		U	U	1.0
MW-41	Arsenic	ug/L	3.0		U	U	2.0
MW-41	Barium	ug/L	31	**34**	BE	J	1.0
MW-41	Beryllium	ug/L	1.0		U	U	1.0
MW-41	Cadmium	ug/L	1.0		U	U	1.0
MW-41	Calcium	ug/L	55,200	**90,500**			77
MW-41	Chromium (total)	ug/L	10	**12**			1.0
MW-41	Cobalt	ug/L	10		U	U	1.0
MW-41	Copper	ug/L	16	8.2	B		1.0
MW-41	Cyanide (total)	ug/L	10		U	U	10
MW-41	Iron	ug/L	1,670	592		J	6.0
MW-41	Lead	ug/L	13	2.6	B*		1.0
MW-41	Magnesium	ug/L	18,500	**23,700**		J	3.0
MW-41	Manganese	ug/L	414	223			1.0
MW-41	Mercury	ug/L	0.20		U	U	0.20
MW-41	Nickel	ug/L	20	11	B		1.0
MW-41	Potassium	ug/L	964	756	BE	J	16
MW-41	Selenium	ug/L	2.0			U	7.9
MW-41	Silver	ug/L	10		U	U	1.0
MW-41	Sodium	ug/L	9,560	3,800	B		21
MW-41	Thallium	ug/L	3.0		B	U	2.6
MW-41	Vanadium	ug/L	20	1.2	B		1.0
MW-41	Zinc	ug/L	32	26			1.0
MW-42	Aluminum	ug/L	1,880	415			16
MW-42	Antimony	ug/L	2.0		U	U	1.0
MW-42	Arsenic	ug/L	15		U	U	2.0
MW-42	Barium	ug/L	97	68	BE	J	1.0
MW-42	Beryllium	ug/L	1.0		U	U	1.0
MW-42	Cadmium	ug/L	1.0		U	U	1.0
MW-42	Calcium	ug/L	139,000	108,000			77
MW-42	Chromium (total)	ug/L	15	6.0	B		1.0
MW-42	Cobalt	ug/L	10	1.3	B		1.0
MW-42	Copper	ug/L	22	**46**			1.0
MW-42	Cyanide (total)	ug/L	10		U	U	10
MW-42	Iron	ug/L	11,100	4,280		J	6.0
MW-42	Lead	ug/L	5.7		U*	U	1.0
MW-42	Magnesium	ug/L	49,800	39,400		J	3.0
MW-42	Manganese	ug/L	928	613			1.0
MW-42	Mercury	ug/L	0.20		U	U	0.20

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-42	Nickel	ug/L	20	4.3	B		1.0
MW-42	Potassium	ug/L	2,350	1,180	BE	J	16
MW-42	Selenium	ug/L	2.0		U	U	2.0
MW-42	Silver	ug/L	10		U	U	1.0
MW-42	Sodium	ug/L	18,000	14,300			21
MW-42	Thallium	ug/L	3.0		U	U	2.0
MW-42	Vanadium	ug/L	20		U	U	1.0
MW-42	Zinc	ug/L	30	9.2	B		1.0
MW-43	Aluminum	ug/L	12,700	8,090			16
MW-43	Antimony	ug/L	2.0		U	U	1.0
MW-43	Arsenic	ug/L	81	40			2.0
MW-43	Barium	ug/L	128	93	BE	J	1.0
MW-43	Beryllium	ug/L	1.5		U	U	1.0
MW-43	Cadmium	ug/L	1.3		U	U	1.0
MW-43	Calcium	ug/L	134,000	115,000			77
MW-43	Chromium (total)	ug/L	95	25			1.0
MW-43	Cobalt	ug/L	20	11	B		1.0
MW-43	Copper	ug/L	75	42			1.0
MW-43	Cyanide (total)	ug/L	10		U	U	10
MW-43	Iron	ug/L	47,500	31,700		J	6.0
MW-43	Lead	ug/L	33	19	*		1.0
MW-43	Magnesium	ug/L	63,600	51,700		J	3.0
MW-43	Manganese	ug/L	857	605			1.0
MW-43	Mercury	ug/L	0.20		U	U	0.20
MW-43	Nickel	ug/L	82	28	B		1.0
MW-43	Potassium	ug/L	5,610	3,670	BE	J	16
MW-43	Selenium	ug/L	2.1		B	U	3.8
MW-43	Silver	ug/L	10		U	U	1.0
MW-43	Sodium	ug/L	13,100	10,700			21
MW-43	Thallium	ug/L	3.0		U	U	2.0
MW-43	Vanadium	ug/L	31	20	B		1.0
MW-43	Zinc	ug/L	104	56			1.0
MW-44	Aluminum	ug/L	1,710		B	U	64
MW-44	Antimony	ug/L	2.0		U	U	1.0
MW-44	Arsenic	ug/L	41	3.4	B		2.0
MW-44	Barium	ug/L	150	**179**	B		1.0
MW-44	Beryllium	ug/L	1.0		U	U	1.0
MW-44	Cadmium	ug/L	1.0		U	U	1.0
MW-44	Calcium	ug/L	94,000	**152,000**			77
MW-44	Chromium (total)	ug/L	31	12			1.0
MW-44	Cobalt	ug/L	10	1.2	B		1.0
MW-44	Copper	ug/L	27	5.1	B		1.0
MW-44	Cyanide (total)	ug/L	10		U	U	10
MW-44	Iron	ug/L	14,700	526			6.0
MW-44	Lead	ug/L	1.5		U	U	1.0
MW-44	Magnesium	ug/L	38,450	**53,000**			3.0
MW-44	Manganese	ug/L	108	66			1.0
MW-44	Mercury	ug/L	0.20		U	U	0.20
MW-44	Nickel	ug/L	23	**30**	B		1.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-44	Potassium	ug/L	2,040	**2,330**	B		16
MW-44	Selenium	ug/L	2.0	**2.5**	B		2.0
MW-44	Silver	ug/L	10		U	U	1.0
MW-44	Sodium	ug/L	20,800	**114,000**			21
MW-44	Thallium	ug/L	3.0		U	U	2.0
MW-44	Vanadium	ug/L	20		U	U	1.0
MW-44	Zinc	ug/L	28		B	U	9.3
MW-45	Aluminum	ug/L	776	343			16
MW-45	Antimony	ug/L	2.0		U	U	1.0
MW-45	Arsenic	ug/L	44	34			2.0
MW-45	Barium	ug/L	117	101	BE	J	1.0
MW-45	Beryllium	ug/L	1.0		U	U	1.0
MW-45	Cadmium	ug/L	1.0		U	U	1.0
MW-45	Calcium	ug/L	120,000	101,000			77
MW-45	Chromium (total)	ug/L	29	3.4	B		1.0
MW-45	Cobalt	ug/L	10	3.3	B		1.0
MW-45	Copper	ug/L	48	5.2	B		1.0
MW-45	Cyanide (total)	ug/L	10		U	U	10
MW-45	Iron	ug/L	15,900	**16,100**		J	6.0
MW-45	Lead	ug/L	39	1.1	B*		1.0
MW-45	Magnesium	ug/L	322,000	26,600		J	3.0
MW-45	Manganese	ug/L	688	440			1.0
MW-45	Mercury	ug/L	0.20		U	U	0.20
MW-45	Nickel	ug/L	35	6.2	B		1.0
MW-45	Potassium	ug/L	8,350	6,930	E	J	16
MW-45	Selenium	ug/L	2.0		U	U	2.0
MW-45	Silver	ug/L	10		U	U	1.0
MW-45	Sodium	ug/L	101,000	97,300			21
MW-45	Thallium	ug/L	3.0		U	U	2.0
MW-45	Vanadium	ug/L	20		U	U	1.0
MW-45	Zinc	ug/L	21	8.4	B		1.0
MW-46	Aluminum	ug/L	821	186	B		16
MW-46	Antimony	ug/L	2.0		U	U	1.0
MW-46	Arsenic	ug/L	3.7		U	U	2.0
MW-46	Barium	ug/L	132	113	BE	J	1.0
MW-46	Beryllium	ug/L	1.0		U	U	1.0
MW-46	Cadmium	ug/L	1.1		U	U	1.0
MW-46	Calcium	ug/L	115,000	105,000			77
MW-46	Chromium (total)	ug/L	12	2.0	B		1.0
MW-46	Cobalt	ug/L	10		U	U	1.0
MW-46	Copper	ug/L	13	3.7	B		1.0
MW-46	Cyanide (total)	ug/L	10		U	U	10
MW-46	Iron	ug/L	21,700	19,100		J	6.0
MW-46	Lead	ug/L	5.0		U*	U	1.0
MW-46	Magnesium	ug/L	32,400	27,500		J	3.0
MW-46	Manganese	ug/L	1,510	1,330			1.0
MW-46	Mercury	ug/L	0.20		U	U	0.20
MW-46	Nickel	ug/L	20	2.4	B		1.0
MW-46	Potassium	ug/L	1,450	891	BE	J	16

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-46	Selenium	ug/L	2.0		U	U	2.0
MW-46	Silver	ug/L	10		U	U	1.0
MW-46	Sodium	ug/L	74,900	60,700			21
MW-46	Thallium	ug/L	3.0		U	U	2.0
MW-46	Vanadium	ug/L	20	1.2	B		1.0
MW-46	Zinc	ug/L	19	4.8	B		1.0
MW-47	Aluminum	ug/L	1,630			U	207
MW-47	Antimony	ug/L	2.0			U	1.0
MW-47	Arsenic	ug/L	2.0			U	2.0
MW-47	Barium	ug/L	13	**18**			NA
MW-47	Beryllium	ug/L	1.0			U	1.0
MW-47	Cadmium	ug/L	1.0			U	1.0
MW-47	Calcium	ug/L	13,700	**22,850**			NA
MW-47	Chromium (total)	ug/L	10	**58**		J	NA
MW-47	Cobalt	ug/L	10	1.2			NA
MW-47	Copper	ug/L	15	3.5			NA
MW-47	Cyanide (total)	ug/L	10			U	10
MW-47	Iron	ug/L	1,130	528		J	NA
MW-47	Lead	ug/L	23	2.2			NA
MW-47	Magnesium	ug/L	3,990	**5,895**			NA
MW-47	Manganese	ug/L	27	15			NA
MW-47	Mercury	ug/L	0.20			U	0.20
MW-47	Nickel	ug/L	20	2.6			NA
MW-47	Potassium	ug/L	1,130	850			NA
MW-47	Selenium	ug/L	2.0	**2.6**			NA
MW-47	Silver	ug/L	10			U	1.0
MW-47	Sodium	ug/L	6,750	6,725			NA
MW-47	Thallium	ug/L	4.3			U	2.0
MW-47	Vanadium	ug/L	20	1.4			NA
MW-47	Zinc	ug/L	42	12			NA
MW-48	Aluminum	ug/L	330	59	B		16
MW-48	Antimony	ug/L	2.0		U	U	1.0
MW-48	Arsenic	ug/L	13		U	U	2.0
MW-48	Barium	ug/L	160	58	BE	J	1.0
MW-48	Beryllium	ug/L	1.0		U	U	1.0
MW-48	Cadmium	ug/L	1.0		U	U	1.0
MW-48	Calcium	ug/L	142,000	80,400			77
MW-48	Chromium (total)	ug/L	10	1.9	B		1.0
MW-48	Cobalt	ug/L	10		U	U	1.0
MW-48	Copper	ug/L	14	3.4	B		1.0
MW-48	Cyanide (total)	ug/L	10		U	U	10
MW-48	Iron	ug/L	30,800	12,500		J	6.0
MW-48	Lead	ug/L	7.7		U*	U	1.0
MW-48	Magnesium	ug/L	20,100	13,000		J	3.0
MW-48	Manganese	ug/L	688	388			1.0
MW-48	Mercury	ug/L	0.20		U	U	0.20
MW-48	Nickel	ug/L	20	6.6	B		1.0
MW-48	Potassium	ug/L	8,470	3,840	BE	J	16
MW-48	Selenium	ug/L	2.0		B	U	2.4

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-48	Silver	ug/L	10		U	U	1.0
MW-48	Sodium	ug/L	52,100	25,100			21
MW-48	Thallium	ug/L	4.0		U	U	2.0
MW-48	Vanadium	ug/L	20		U	U	1.0
MW-48	Zinc	ug/L	53	4.6	B		1.0
MW-49	Aluminum	ug/L	1,070	1,020			16
MW-49	Antimony	ug/L	2.0		U	U	1.0
MW-49	Arsenic	ug/L	38	30			2.0
MW-49	Barium	ug/L	135	121	B		1.0
MW-49	Beryllium	ug/L	1.1		U	U	1.0
MW-49	Cadmium	ug/L	1.0		U	U	1.0
MW-49	Calcium	ug/L	94,600	80,100			77
MW-49	Chromium (total)	ug/L	11	7.6	B		1.0
MW-49	Cobalt	ug/L	10	1.4	B		1.0
MW-49	Copper	ug/L	12		B	U	8.0
MW-49	Cyanide (total)	ug/L	10		U	U	10
MW-49	Iron	ug/L	28,700	27,900			6.0
MW-49	Lead	ug/L	4.4	3.2			1.0
MW-49	Magnesium	ug/L	11,800	10,500			3.0
MW-49	Manganese	ug/L	2,330	2,030			1.0
MW-49	Mercury	ug/L	0.20		U	U	0.20
MW-49	Nickel	ug/L	21	8.4	B	J	1.0
MW-49	Potassium	ug/L	5,900	4,440	BE	J	16
MW-49	Selenium	ug/L	2.0		U	U	2.0
MW-49	Silver	ug/L	10		U	U	1.0
MW-49	Sodium	ug/L	29,650	18,000			21
MW-49	Thallium	ug/L	3.0		U	U	2.0
MW-49	Vanadium	ug/L	20	1.9	B		1.0
MW-49	Zinc	ug/L	60			U	22
MW-50	Aluminum	ug/L	12,000	7,360			16
MW-50	Antimony	ug/L	2.0		U		1.0
MW-50	Arsenic	ug/L	7.7	3.5	B		2.0
MW-50	Barium	ug/L	314	234			1.0
MW-50	Beryllium	ug/L	1.1	1.0	B		1.0
MW-50	Cadmium	ug/L	1.0		U		1.0
MW-50	Calcium	ug/L	191,000	149,000			77
MW-50	Chromium (total)	ug/L	130	32			1.0
MW-50	Cobalt	ug/L	12	6.5	B		1.0
MW-50	Copper	ug/L	41	19	B		1.0
MW-50	Cyanide (total)	ug/L	10		U		10
MW-50	Iron	ug/L	20,200	12,200			6.0
MW-50	Lead	ug/L	14	7.9			1.0
MW-50	Magnesium	ug/L	87,800	68,700			3.0
MW-50	Manganese	ug/L	408	239			1.0
MW-50	Mercury	ug/L	0.20		U		0.20
MW-50	Nickel	ug/L	105	35	B		1.0
MW-50	Potassium	ug/L	21,200	17,800	E		16
MW-50	Selenium	ug/L	2.0		B	UJ	2.1
MW-50	Silver	ug/L	1.0		U		1.0

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Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-50	Sodium	ug/L	481,000	347,000			21
MW-50	Thallium	ug/L	3.0	2.5	B		2.0
MW-50	Vanadium	ug/L	19	12	B		1.0
MW-50	Zinc	ug/L	57	46			1.0
MW-51	Aluminum	ug/L	1,040	**1,300**			16
MW-51	Antimony	ug/L	2.0		U	U	1.0
MW-51	Arsenic	ug/L	3.9		U	U	2.0
MW-51	Barium	ug/L	455	366			1.0
MW-51	Beryllium	ug/L	1.0		U	U	1.0
MW-51	Cadmium	ug/L	1.0		U	U	1.0
MW-51	Calcium	ug/L	153,000	132,000			77
MW-51	Chromium (total)	ug/L	7.5	**8.3**	B		1.0
MW-51	Cobalt	ug/L	2.3	**2.6**	B		1.0
MW-51	Copper	ug/L	6.7	**9.3**	B		1.0
MW-51	Cyanide (total)	ug/L	10		U	U	10
MW-51	Iron	ug/L	8,660	8,560			6.0
MW-51	Lead	ug/L	3.9	3.7			1.0
MW-51	Magnesium	ug/L	67,600	58,600			3.0
MW-51	Manganese	ug/L	173	130			1.0
MW-51	Mercury	ug/L	0.20		U	U	0.20
MW-51	Nickel	ug/L	11	10	B		1.0
MW-51	Potassium	ug/L	4,495	4,200	B		16
MW-51	Selenium	ug/L	2.0		U	U	2.0
MW-51	Silver	ug/L	1.0		U	U	1.0
MW-51	Sodium	ug/L	114,000	111,000			21
MW-51	Thallium	ug/L	3.0		U	U	2.0
MW-51	Vanadium	ug/L	1.8	**2.8**	B		1.0
MW-51	Zinc	ug/L	19	18	B		1.0
MW-52	Aluminum	ug/L	4,190	590			16
MW-52	Antimony	ug/L	6.8		U	U	1.0
MW-52	Arsenic	ug/L	125	22			2.0
MW-52	Barium	ug/L	369	304			1.0
MW-52	Beryllium	ug/L	1.2		U	U	1.0
MW-52	Cadmium	ug/L	1.0		U	U	1.0
MW-52	Calcium	ug/L	139,000	116,000			77
MW-52	Chromium (total)	ug/L	248	11			1.0
MW-52	Cobalt	ug/L	13	2.5	B		1.0
MW-52	Copper	ug/L	67	24	B		1.0
MW-52	Cyanide (total)	ug/L	10		U	U	10
MW-52	Iron	ug/L	11,600	5,200			6.0
MW-52	Lead	ug/L	31	2.9	B		1.0
MW-52	Magnesium	ug/L	52,800	44,400			3.0
MW-52	Manganese	ug/L	673	202			1.0
MW-52	Mercury	ug/L	0.20		U	U	0.20
MW-52	Nickel	ug/L	201	12	B		1.0
MW-52	Potassium	ug/L	7,770	3,760	B		16
MW-52	Selenium	ug/L	2.1	**3.0**	B		2.0
MW-52	Silver	ug/L	1.0		U	U	1.0
MW-52	Sodium	ug/L	152,000	**158,000**			21

BOLD = Exceedance
NA = Not Available

Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-52	Thallium	ug/L	4.1		U	U	2.0
MW-52	Vanadium	ug/L	11	1.9	B		1.0
MW-52	Zinc	ug/L	90	20	B		1.0
MW-53	Aluminum	ug/L	39,200	3,080			16
MW-53	Antimony	ug/L	3.3		B	U	2.0
MW-53	Arsenic	ug/L	30	6.2	B		2.0
MW-53	Barium	ug/L	1,620	1,440			1.0
MW-53	Beryllium	ug/L	6.2		U	U	1.0
MW-53	Cadmium	ug/L	1.0		U	U	1.0
MW-53	Calcium	ug/L	258,000	242,000			77
MW-53	Chromium (total)	ug/L	189	26			1.0
MW-53	Cobalt	ug/L	25	4.6	B		1.0
MW-53	Copper	ug/L	107	27			1.0
MW-53	Cyanide (total)	ug/L	10		U	U	10
MW-53	Iron	ug/L	48,800	26,600			6.0
MW-53	Lead	ug/L	138	8.5			1.0
MW-53	Magnesium	ug/L	117,000	102,000			3.0
MW-53	Manganese	ug/L	1,630	239			1.0
MW-53	Mercury	ug/L	0.24		U	U	0.20
MW-53	Nickel	ug/L	139	33	B		1.0
MW-53	Potassium	ug/L	33,200	27,800			16
MW-53	Selenium	ug/L	5.1		U	U	2.0
MW-53	Silver	ug/L	1.0		U	U	1.0
MW-53	Sodium	ug/L	404,000	392,000			21
MW-53	Thallium	ug/L	3.0		U	U	2.0
MW-53	Vanadium	ug/L	32	3.1	B		1.0
MW-53	Zinc	ug/L	443	51			1.0
MW-54	Aluminum	ug/L	1,980	529			16
MW-54	Antimony	ug/L	3.2		U	U	1.0
MW-54	Arsenic	ug/L	9.8		B	U	3.6
MW-54	Barium	ug/L	190	150	B		1.0
MW-54	Beryllium	ug/L	1.0		U	U	1.0
MW-54	Cadmium	ug/L	1.0		U	U	1.0
MW-54	Calcium	ug/L	132,000	124,000			77
MW-54	Chromium (total)	ug/L	82		B	U	6.3
MW-54	Cobalt	ug/L	4.0	1.2	B		1.0
MW-54	Copper	ug/L	60		B	U	12
MW-54	Cyanide (total)	ug/L	10		U	U	10
MW-54	Iron	ug/L	5,480	3,710			6.0
MW-54	Lead	ug/L	10	1.9	B		1.0
MW-54	Magnesium	ug/L	54,100	50,200			3.0
MW-54	Manganese	ug/L	256	130			1.0
MW-54	Mercury	ug/L	0.20		U	U	0.20
MW-54	Nickel	ug/L	66		B	U	7.4
MW-54	Potassium	ug/L	4,540	1,940	BE	J	16
MW-54	Selenium	ug/L	2.7		U	U	2.0
MW-54	Silver	ug/L	1.0		U	U	1.0
MW-54	Sodium	ug/L	28,700	24,600			21
MW-54	Thallium	ug/L	3.0		U	U	2.0

BOLD = Exceedance
NA = Not Available

Comparison of Results to Baseline Highest Detections
December 1997
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detection	CurrentEvent			
				Result	LQ	DQ	Detect Limit
MW-54	Vanadium	ug/L	3.4		U	U	1.0
MW-54	Zinc	ug/L	128			U	22
MW-55	Aluminum	ug/L	15,950	12,200			16
MW-55	Antimony	ug/L	2.2		U	U	1.0
MW-55	Arsenic	ug/L	13		B	U	7.2
MW-55	Barium	ug/L	286	**333**			1.0
MW-55	Beryllium	ug/L	2.7	1.3	B		1.0
MW-55	Cadmium	ug/L	1.0		U	U	1.0
MW-55	Calcium	ug/L	80,000	**97,600**			77
MW-55	Chromium (total)	ug/L	145	87			1.0
MW-55	Cobalt	ug/L	11	8.1	B		1.0
MW-55	Copper	ug/L	105	**111**			1.0
MW-55	Cyanide (total)	ug/L	10		U	U	10
MW-55	Iron	ug/L	17,700	13,300			6.0
MW-55	Lead	ug/L	46	37			1.0
MW-55	Magnesium	ug/L	48,500	**56,900**			3.0
MW-55	Manganese	ug/L	594	**679**			1.0
MW-55	Mercury	ug/L	0.22		U	U	0.20
MW-55	Nickel	ug/L	110	93		J	1.0
MW-55	Potassium	ug/L	11,350	8,200	E	J	16
MW-55	Selenium	ug/L	4.7		U	U	2.0
MW-55	Silver	ug/L	1.0		U	U	1.0
MW-55	Sodium	ug/L	128,000	48,200			21
MW-55	Thallium	ug/L	3.0		U	U	2.0
MW-55	Vanadium	ug/L	16	11	B		1.0
MW-55	Zinc	ug/L	110	**118**			1.0

BOLD = Exceedance
NA = Not Available

APPENDIX C

VALIDATION NARRATIVE AND LABORATORY REPORTS FROM UPPER AQUIFER

VALIDATION NARRATIVE

Project: ACS
Number: 1252042.221602

Analysis: VOCs, SVOCs, PCBs
Matrix: Groundwater
SDG: 12155

Validated By: JAH/MDP

Date: 3-9-98 and 3/11/98

This narrative covers the validation of 20 groundwater samples from ACS for CLP organic analysis by IEA/AEN laboratories using CLP methodologies. Validation was performed using the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Analysis Review* (2/94). The data is validated as acceptable for use in site evaluation with the following comments:

Hold Times All hold times were met.

Instrument Performance All VOC instrument BFB tuning criteria was acceptable. All SVOC instrument DFTPP tuning criteria was acceptable. All pesticide/PCB resolution check mixture, PEM DDT and endrin breakdown, florisil cartridge check QC criteria was acceptable.

Calibration All VOC calibration criteria was acceptable, except for acetone and 2-butanone, which had a RRF less than 0.05; all results have been qualified J/R. All SVOC calibration criteria was acceptable, except for hexachlorocyclopentadiene, which exceeded the %RSD QC limits; results have been flagged J/UJ. All pesticide calibration criteria were acceptable.

Blanks VOC method blanks and one trip blank were analyzed. Sample results were qualified using the 5x/10x rule as undetected at the sample result or the CRQL, whichever was greater.

SVOC method blanks and field blanks were analyzed. No results were qualified for SVOC blanks.

Pesticide/PCB method blanks and field blanks were analyzed. Sample results were qualified using the 5x rule as undetected at the sample result or the CRQL, whichever was greater.

Surrogates All VOC surrogate recoveries were within QC limits.
All SVOC surrogate recoveries were within QC limits.
All pesticide/PCB surrogate recoveries were within advisory QC limits.

Matrix Spikes All matrix spike recoveries and RPDs were within acceptable QC limits.

Field Duplicates VOC field duplicate results were within acceptable QC limits. SVOC field duplicate results were within acceptable QC limits. Pesticide/PCB field duplicate results were within acceptable QC limits.

Internal Standards All VOC internal standard results were within acceptable validation limits. All SVOC internal standard results were within acceptable validation limits.

Compound Identification VOC target compound qualitative identification criteria, including RRTs and mass spectra criteria was acceptable. SVOC target compound qualitative identification criteria, including RRTs and mass spectra confirmation criteria was acceptable. Pesticide/PCB target compound qualitative identification criteria, including RRTs, scaling, baseline resolution, and dual column confirmation criteria was acceptable.

System Performance VOC system performance, including RIC baseline, resolution, and peak shape was acceptable. SVOC system performance, including RIC baseline, resolution, and peak shape was acceptable. Pesticide florisil cleanup check results were within acceptable QC limits.

Sample Results Overall data quality by the laboratory was good, with no significant instrument related problems observed. Samples were run by the lab using low concentration methodology in error.

JAH/jah/mdp/SGW
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VALIDATION NARRATIVE

Project: ACS
Number: 1252042.221602

Analysis: INORGANICS
Matrix: Groundwater - Dec -97
SDG: 12155

Validated By: JAH

Date: 3-9-98

This narrative covers the validation of 20 groundwater samples from ACS for CLP inorganic analysis by IEA/AEN laboratories using CLP methodologies. Validation was performed using the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Analysis Review* (2/94). The data is validated as acceptable for use in site evaluation with the following comments/qualifiers:

Hold Times All hold times (6 months for metals, 28 days for mercury, and 14 days for cyanide) were met.

Calibration All ICP calibration criteria (calibration/ICV/CCV) was acceptable. All AA calibration criteria (calibration/ICV/CCV) was acceptable. All CV calibration criteria (calibration/ICV/CCV) were acceptable.

Blanks Initial, continuing, and prep blanks were analyzed, together with 1 field blank. For blanks with analytes greater than the IDL but less than 5x the CRDL, associated sample results less than 5x the blank level were reported as undetected (U), for sample results greater than 5x the blank level were qualified as estimated (J).

Interference Check Sample All Solution AB recoveries were within ± 20% of the true value.

Laboratory Control Sample All LCS recoveries were within 80-120% recovery.

Lab and Field Duplicates Lab duplicate results were within acceptable QC limits (± 20% RPD). Field duplicate results were acceptable.

Matrix Spikes All matrix spike recoveries and RPDs were within acceptable QC limits (75-125% recovery).

Furnace Atomic Absorption QC No graphite furnace runs were performed.

ICP Serial Dilution All ICP serial dilution results were within acceptable QC limits (± 10% Difference if original results greater than 50x IDL), except for potassium. All results have been qualified as estimated.

Sample Result Verification Calculations and transcriptions were review and were acceptable. Overall data quality by the laboratory was good, with no significant instrument related problems observed.

Additional Case Specific Problems No additional problems were observed with this case.

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VALIDATION NARRATIVE

Project: ACS
Number: 1252042.221602

Analysis: INDICATORS
Matrix: Groundwater
SDG: 2240 (12155)

Validated By: Steve Wiskes Date: 2-18-98

This narrative covers the validation of 5 samples from ACS for CLP indicator (BOD, ammonia, nitrite, nitrate, orthophosphate, sulfate, TKN, and TOC) analysis by AEN laboratories (formerly IEA). Validation was performed using the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Analysis Review* (2/94) and USEPA Region 5 validation. The data is validated as acceptable for use in site evaluation with the following comments/qualifiers:

Hold Times All hold times were met.

Calibration All calibration criteria (calibration ICV/CCV) were acceptable. All correlation coefficients were greater than 0.995 for all standard curves.

Blanks Initial and continuing blanks were analyzed. All blank results were acceptable

Lab Duplicate Lab duplicate results were within acceptable QC limits (± 20% RPD).

Matrix Spikes All matrix spike recoveries and RPDs were within acceptable QC limits (75-125% recoveries) except orthophosphate which had a 57% recovery. If detected the result is qualified (J), if not detected the result is qualified (UJ).

Sample Result Verification Calculations and transcriptions were reviewed and were acceptable.

Additional Case Specific Problems No additional problems were observed with this case.

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VALIDATION NARRATIVE

Project: ACS
Number: 1252042.221602

Analysis: INORGANICS
Matrix: Groundwater
SDG: 12202

Validated By: Tom Dushek

Date: March 9, 1998

This narrative covers the validation of 18 groundwater samples from ACS for CLP inorganic analysis by American Environmental NE laboratories using CLP methodologies. Validation was performed using the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Analysis Review* (2/94). The data is validated as acceptable for use in site evaluation with the following comments/qualifiers:

Hold Times All hold times (6 months for metals, 28 days for mercury, and 14 days for cyanide) were met.

Calibration All ICP calibration criteria (calibration/ICV/CCV) was acceptable. All CV calibration criteria (calibration/ICV/CCV) were acceptable.

Blanks Initial, continuing, and prep blanks were analyzed, together with two field blanks. For blanks with analytes greater than the IDL but less than 5x the CRDL, associated sample results less than 5x the blank level were reported as undetected (U), for sample results greater than 5x the blank level were qualified as estimated (J).

For blanks with analytes greater than the CRDL, all associated samples were qualified as unusable (R)

Interference Check Sample All Solution AB recoveries were within ± 20% of the true value.

Laboratory Control Sample All LCS recoveries were within 80-120% recovery.

Lab and Field Duplicates Lab duplicate results were within acceptable QC limits (± 20% RPD). Field duplicate results were acceptable.

Matrix Spikes All matrix spike recoveries and RPDs were within acceptable QC limits (75-125% recovery).

Furnace Atomic Absorption QC No graphite furnace runs were performed.

ICP Serial Dilution All ICP serial dilution results were within acceptable QC limits (± 10% Difference if original results greater than 50x IDL), except for barium and potassium which were qualified as estimated (J).

Sample Result Verification Calculations and transcriptions were review and were acceptable. Overall data quality by the laboratory was good, with no significant instrument related problems observed.

Additional Case Specific Problems No additional problems were observed with this case.

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VALIDATION NARRATIVE

Project: ACS
Number: 1252042.221602

Analysis: INDICATORS
Matrix: Groundwater
SDG: 2240-108 (12202)

Validated By: Steve Wiskes Date: 3-4-98

This narrative covers the validation of 5 samples from ACS for indicator (BOD, ammonia, nitrite, nitrate, orthophosphate, sulfate, TKN, and TOC) analysis by AEN laboratories (formerly IEA). Validation was performed using the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Analysis Review* (2/94) and USEPA Region 5 validation. The data is validated as acceptable for use in site evaluation with the following comments/qualifiers:

Hold Times All hold times were met.

Calibration All calibration criteria (calibration ICV/CCV) were acceptable. All correlation coefficients were greater than 0.995 for all standard curves.

Blanks Initial and continuing blanks were analyzed. All blank results were acceptable

Lab Duplicate Lab duplicate results were within acceptable QC limits (± 20% RPD).

Matrix Spikes All matrix spike recoveries and RPDs were within acceptable QC limits (75-125% recoveries) except orthophosphate which had a 70% recovery. If detected the result is qualified (J), if not detected the result is qualified (UJ).

Sample Result Verification Calculations and transcriptions were reviewed and were acceptable.

Additional Case Specific Problems No additional problems were observed with this case.

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VALIDATION NARRATIVE

Project: ACS
Number: 1252042

Analysis: VOCs, SVOCs, PCBs
Matrix: Groundwater
SDG: 12273

Validated By: SGW Date: 2-17-98

This narrative covers the validation of 20 groundwater samples from ACS for CLP organic analysis by AEN laboratories (formerly IEA) using CLP methodologies. Validation was performed using the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Analysis Review* (2/94) and USEPA Region 5 guidelines. The data is validated as acceptable for use in site evaluation with the following comments:

Hold Times All hold times were met with the exception that the SVOC fraction in sample MW52 was extracted 13 days after sample collection. If detected compounds are qualified (J) if not detected compounds are qualified (UJ).

Instrument Performance All VOC instrument BFB tuning criteria was acceptable. All SVOC instrument DFTPP tuning criteria was acceptable. All pesticide/PCB resolution check mixture, PEM DDT and endrin breakdown, florisil cartridge check and GPC calibration check QC criteria was acceptable.

Calibration All VOC calibration criteria was acceptable, except bromomethane %D criteria was exceeded; associated sample concentrations for MW30, MW51, FB05, MW53, and MW54 have been estimated (J) if detected and qualified (UJ) if not detected. All SVOC calibration criteria was acceptable, except hexachlorocyclopentadiene, n-nitrosodimethylamine, 2, 4-dinitrophenol, and 4-nitrophenol %D criteria was exceeded; associated samples have been estimated (J) if detected and (UJ) if not detected. All pesticide calibration criteria were acceptable.

Blanks VOC method blanks and three trip blanks and two field blanks were analyzed. Two VOC method blanks contained methylene chloride and the holding blank contained acetone. Field blanks and trip blanks contained acetone, benzene, bromodichloromethane, chloroform, methylene chloride, toluene, chloromethane, and/or cis 1, 2-DCE Sample results were qualified using the 5x/10x rule as undetected at the sample result or the CRQL, whichever was greater.

SVOC method blanks and field blanks were analyzed. Phenol was detected in each field blank and has been attributed to the PVC tubing used on the sampling pumps. Di-n-butylphthalate was detected in one method blank. Sample results were qualified using the 5x/10x rule as undetected at the sample result or the CRQL, whichever was greater.

Pesticide/PCB method blanks and field blanks were analyzed. No compounds were detected.

Surrogates All VOC surrogate recoveries were within QC limits. Surrogates were not added to 11 samples, thus 0% recoveries were reported. Each of these samples were re-extracted but past acceptable hold times, but surrogate recoveries were acceptable. The original results were used. If detected compounds are qualified (J) estimated, if not detected compounds are qualified (UJ).
For pesticide/PCB surrogate recoveries, 25 surrogates were outside advisory QC limits (35-59% recovery). Six samples had high recoveries but nothing was detected in the samples, thus no action. Six samples had low recoveries but nothing detected , these samples are qualified (UJ).

Matrix Spikes VOC and pesticide matrix spike recoveries and RPDs were within acceptable QC limits. The initial SVOC MS/MSD analysis did not have a spike added. During subsequent re-extraction and analysis 4-chloroanailine had a 0% recovery due to poor extraction techniques. 4-nitroanaline was qualified (R) unusable in MW30 (the MS/MSD sample).

Field Duplicates VOC field duplicate results were within acceptable QC limits. SVOC field duplicate results were within acceptable QC limits. Pesticide/PCB field duplicate results were within acceptable QC limits.

Internal Standards All VOC internal standard results were within acceptable validation limits. All SVOC internal standard results were within acceptable validation limits except MW30RE and MW54RE perylene but these analyses were not used, thus no action was taken.

Laboratory Control Sample All recoveries acceptable except 4-chloroanailine, low recovery.

Compound Identification VOC target compound qualitative identification criteria, including RRTs and mass spectra criteria was acceptable. SVOC target compound qualitative identification criteria, including RRTs and mass spectra confirmation criteria was acceptable. Pesticide/PCB target compound qualitative identification criteria, including RRTs, scaling, baseline resolution, and dual column confirmation criteria was acceptable.

System Performance VOC system performance, including RIC baseline, resolution, and peak shape was acceptable. SVOC system performance, including RIC baseline, resolution, and peak shape was acceptable. Pesticide florisil and GPC cleanup check results were within acceptable QC limits.

Sample Results Overall data quality by the laboratory was good, with no significant instrument related problems observed.

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VALIDATION NARRATIVE

Project: ACS
Number: 1252042

Analysis: INORGANICS
Matrix: GW
SDG 12273

Validated By: SGW Date: 2-18-98

This narrative covers the validation of 17 groundwater samples from ACS for CLP inorganic analysis by IEA laboratories using CLP methodologies. Validation was performed using the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Analysis Review* (2/94)and USEPA Region 5 guidelines. The data is validated as acceptable for use in site evaluation with the following comments/qualifiers:

Hold Times All hold times (6 months for metals, 28 days for mercury, and 14 days for cyanide) were met.

Calibration All ICP calibration criteria (calibration/ICV/CCV) was acceptable. All cyanide calibration criteria (calibration/ICV/CCV) was acceptable. All mercury CV calibration criteria (calibration/ICV/CCV) were acceptable.

Blanks Initial, continuing, field, and prep blanks were analyzed. For blanks with analytes greater than the IDL but less than 5x the CRDL, associated sample results less than 5x the blank level were reported as undetected (U), for sample results greater than 5x the blank level were qualified as estimated (J). Aluminum, antimony, and zinc were qualified in many samples due to blank contamination.

Interference Check Sample All Solution AB recoveries were within ± 20% of the true value.

Laboratory Control Sample All LCS recoveries were within 80-120% recovery.

Lab and Field Duplicates Lab duplicate results were within acceptable QC limits (± 20% RPD). Field duplicate results were acceptable with the exception of chromium and iron results which did not agree within ± 25%.

Matrix Spikes All matrix spike recoveries and RPDs were within acceptable QC limits (75-125% recovery), except for aluminum, where the recovery was 125.3%; results have been estimated.

Furnace Atomic Absorption QC No graphite furnace runs were performed.

ICP Serial Dilution All ICP serial dilution results were within acceptable QC limits (± 10% Difference if original results greater than 50x IDL).

Sample Result Verification Calculations and transcriptions were review and were acceptable. Overall data quality by the laboratory was good, with no significant instrument related problems observed.

Additional Case Specific Problems No additional problems were observed with this case.

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VALIDATION NARRATIVE

Project: ACS
Number: 1252042

Analysis: VOCs, SVOCs, P/PCBs
Matrix: Groundwater
SDG: 12331

Validated By: SGW Date: 3-11-98

This narrative covers the validation of 5 groundwater samples from ACS for CLP organic analysis by AEN laboratories (formerly IEA) using CLP methodologies. Validation was performed using the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Analysis Review* (2/94) and USEPA Region 5 guidelines. The data is validated as acceptable for use in site evaluation with the following comments:

Hold Times All hold times were met.

Instrument Performance All VOC instrument BFB tuning criteria was acceptable. All SVOC instrument DFTPP tuning criteria was acceptable. All pesticide/PCB resolution check mixture, PEM DDT and endrin breakdown, florisil cartridge check and GPC calibration check QC criteria was acceptable.

Calibration All VOC calibration criteria was acceptable, except chloromethane which had %RSD and/or %D criteria were exceeded; associated sample concentrations have been estimated (J) if detected and qualified (UJ) if not detected. Acetone and 2-butanone had relative response factors less than 0.05 in initial and continuing calibration. Sample results are qualified (J) if detected and (R) unusable if not detected. Several SVOC calibration criteria were not acceptable. 2,2-oxybis1-chloropropane, 4-methylphenol, n-nitroso-di-n-propylamine, hexachlorocyclopentadiene, and 2,4-dinitrophenol were outside %D and/or %RSD criteria. If detected results are qualified (J), if not detected (UJ). All pesticide calibration criteria were acceptable.

Blanks VOC method blanks were analyzed. Two VOC method blank contained methylene chloride (0.1 and 0.2 ug/L). Sample results were qualified using the 5x/10x rule as undetected at the sample result or the CRQL, whichever was greater.

SVOC method blanks were analyzed, but no compounds were detected.

Pesticide/PCB method blanks were analyzed. No compounds were detected.

Surrogates All VOC and SVOC surrogate recoveries were within QC limits.
For pesticide/PCB surrogate recoveries, 5 surrogates were outside advisory QC limits (60-150% recovery). Recoveries were slightly low on one column due to a matrix interference, thus no action.

Matrix Spikes VOC matrix spike recoveries and RPDs were within acceptable QC limits. 4-chloroaniline and 2,4-dinitrotoluene had 0% recovery. 4-nitroanaline also 0% recovery in LCS. If not detected both compounds are qualified (R), unusable. Gamma-BHC 0% recovery, but other QC acceptable no action.

Field Duplicates A field duplicate was analyzed with this set of data. Methylene chloride was outside the 25% %D criteria in the sample and the duplicate and is qualified (J).

Internal Standards All VOC internal standard results were within acceptable validation limits. All SVOC internal standard results were within acceptable validation limits except IW4 and IW6 chrysene had low area counts. Associated compounds (pyrene, butylbenzylphthalate, 3,3'-dichlorobenzidine, benzo(a)anthracene, chrysene, and bis(2-ethylhexyl)phthalate) are qualified (J) if detected and (R), unusable, if not detected.

Laboratory Control Sample All recoveries acceptable except 4-chloroanailine had a low recovery.

Compound Identification VOC target compound qualitative identification criteria, including RRTs and mass spectra criteria was acceptable. SVOC target compound qualitative identification criteria, including RRTs and mass spectra confirmation criteria was acceptable. Pesticide/PCB target compound qualitative identification criteria, including RRTs, scaling, baseline resolution, and dual column confirmation criteria was acceptable.

System Performance VOC system performance, including RIC baseline, resolution, and peak shape was acceptable. SVOC system performance, including RIC baseline, resolution, and peak shape was acceptable. Pesticide florisil and GPC cleanup check results were within acceptable QC limits.

Sample Results Overall data quality by the laboratory was good, with no significant instrument related problems observed.

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VALIDATION NARRATIVE

Project: ACS
Number: 1252042

Analysis: INORGANICS
Matrix: GW
SDG 12331

Validated By: SGW Date: 3-11-98

This narrative covers the validation of 5 groundwater samples from ACS for inorganic analysis by AEN (formerly IEA) laboratories using CLP methodologies. Validation was performed using the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Analysis Review* (2/94)and USEPA Region 5 guidelines. The data is validated as acceptable for use in site evaluation with the following comments/qualifiers:

Hold Times All hold times (6 months for metals, 28 days for mercury, and 14 days for cyanide).

Calibration All ICP calibration criteria (calibration/ICV/CCV) was acceptable. All cyanide calibration criteria (calibration/ICV/CCV) was acceptable. All mercury CV calibration criteria (ICV/CCV) were acceptable.

Blanks Initial, continuing, and prep blanks were analyzed. For blanks with analytes greater than the IDL but less than 5x the CRDL, associated sample results less than 5x the blank level were reported as undetected (U). Lead and selenium were qualified in many samples due to blank contamination.

Interference Check Sample All Solution AB recoveries were within ± 20% of the true value.

Laboratory Control Sample All LCS recoveries were within 80-120% recovery.

Lab and Field Duplicates Lab duplicate results were within acceptable QC limits (± 20% RPD). Field duplicate results were acceptable with the exception of aluminum, chromium, copper, nickel, and zinc results which did not agree within ± 25%. Results are qualified (J).

Matrix Spikes All matrix spike recoveries and RPDs were within acceptable QC limits (75-125% recovery), except for cyanide, which the spike recovery was 61.9% ; results have been estimated (UJ) because nothing was detected in samples.

Furnace Atomic Absorption QC No graphite furnace runs were performed.

ICP Serial Dilution All ICP serial dilution results were within acceptable QC limits (± 10% Difference if original results greater than 50x IDL).

Sample Result Verification Calculations and transcriptions were review and were acceptable. Overall data quality by the laboratory was good, with no significant instrument related problems observed.

Additional Case Specific Problems No additional problems were observed with this case.

SGW/sgw/JAH
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1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW1S-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216710

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1216508.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: not dec. Date Analyzed: 12/16/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/l	Q
67-64-1	Acetone	R	5	U
71-43-2	Benzene		1	U
74-97-5	Bromochloromethane		1	U
75-27-4	Bromodichloromethane		1	U
75-25-2	Bromoform		1	U
74-83-9	Bromomethane		1	U
78-93-3	2-Butanone	R	5	U
75-15-0	Carbon Disulfide		1	U
56-23-5	Carbon Tetrachloride		1	U
108-90-7	Chlorobenzene		1	U
75-00-3	Chloroethane	J	0.5	J
67-66-3	Chloroform		1	U
74-87-3	Chloromethane		1	U
124-48-1	Dibromochloromethane		1	U
96-12-8	1,2-Dibromo-3-Chloropropane		1	U
106-93-4	1,2-Dibromoethane		1	U
95-50-1	1,2-Dichlorobenzene		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
75-34-3	1,1-Dichloroethane		1	U
107-06-2	1,2-Dichloroethane		1	U
75-35-4	1,1-Dichloroethene		1	U
156-59-2	Cis-1,2-Dichloroethene		1	U
156-60-5	Trans-1,2-Dichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
10061-01-5	Cis-1,3-Dichloropropene		1	U
10061-02-6	Trans-1,3-Dichloropropene		1	U
100-41-4	Ethylbenzene		1	U
591-78-6	2-Hexanone		5	U
75-09-2	Methylene Chloride		2	U
108-10-1	4-Methyl-2-Pentanone		5	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
127-18-4	Tetrachloroethene		1	U

FORM I VOA

VALIDATED

1LCA

CLIENT SAMPLE NO

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW1S-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216710

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1216508.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: not dec. Date Analyzed: 12/16/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	U5 0.5	J
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	5	U

FORM I VOA

VALIDATED

1E

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW1S-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216710

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1216508.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: not dec. Date Analyzed: 12/16/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000060-29-7	ETHER	4.53	4	JN

FORM I VOA-TIC

VALIDATED

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW1S-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216710

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0106H10.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: decanted: (Y/N) Date Extracted: 12/15/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	24	
111-44-4	Bis(2-Chloroethyl)Ether	5	U
95-57-8	2-Chlorophenol	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-Di-N-Propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	Bis(2-Chloroethoxy)Methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-Methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

VALIDATED

1C

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW1S-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216710

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0106H10.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: decanted: (Y/N) Date Extracted: 12/15/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

VALIDATED

1F

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW1S-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216710

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0106H10.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: decanted: (Y/N) Date Extracted: 12/15/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000098-73-7	BENZOIC ACID, P-TERT-BUTYL-	16.64	12	JN
	UNKNOWN	20.96	13	J

FORM I SV-TIC

VALIDATED

1LCD

CLIENT SAMPLE NO.

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET ACS-GWMW1S-04

MW1S

Lab Name: INDUSTRIAL & ENVIRONMENTA (AEN, INC.-NC) Contract: SOW 6/91

Lab Code: IEA Case No.: 2240-104 SDG No.: 12155

DATE SAMPLED: 12/10/97

Lab Sample ID: 971216910 Date Received: 12/11/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/15/97 (5)

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/06/98 (22)

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L) CRQL MULTIPLIER=1.00	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.010	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

VALIDATED

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

DCS-GJMW1S-04

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Lab Code: AEN___ Case No:2240_104___ SAS No.: _____ SDG No.: 12155_

Matrix (soil/water): WATER Lab Sample ID: 971216710

Level (low/med): LOW__ Date Received: 12/11/98

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	143	B		P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	U 2.1	B		P
7440-39-3	Barium	1490			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	210000			P
7440-47-3	Chromium	11.3			P
7440-48-4	Cobalt	3.6	B		P
7440-50-8	Copper	U 7.5	B		P
7439-89-6	Iron	12900			P
7439-92-1	Lead	1.5	B		P
7439-95-4	Magnesium	75600			P
7439-96-5	Manganese	333			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	14.7	B		P
7440-09-7	Potassium	J 56700		E	P
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	114000			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	2.7	B		P
7440-66-6	Zinc	43.0			P
_____	Cyanide	10.0	U		CA

Color Before: BROWN____ Clarity Before: CLOUDY Texture: _____

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

_____

_____

_____

_____

VALIDATED

1LCA

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW3S-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216705

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1215E07.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: not dec. Date Analyzed: 12/16/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/l	Q
67-64-1	Acetone	R	5	U
71-43-2	Benzene		1	U
74-97-5	Bromochloromethane		1	U
75-27-4	Bromodichloromethane		1	U
75-25-2	Bromoform		1	U
74-83-9	Bromomethane		1	U
78-93-3	2-Butanone	R	5	U
75-15-0	Carbon Disulfide		1	U
56-23-5	Carbon Tetrachloride		1	U
108-90-7	Chlorobenzene		1	U
75-00-3	Chloroethane	UJ	1	U
67-66-3	Chloroform		1	U
74-87-3	Chloromethane		1	U
124-48-1	Dibromochloromethane		1	U
96-12-8	1,2-Dibromo-3-Chloropropane		1	U
106-93-4	1,2-Dibromoethane		1	U
95-50-1	1,2-Dichlorobenzene		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
75-34-3	1,1-Dichloroethane		1	U
107-06-2	1,2-Dichloroethane		1	U
75-35-4	1,1-Dichloroethene		1	U
156-59-2	Cis-1,2-Dichloroethene		1	U
156-60-5	Trans-1,2-Dichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
10061-01-5	Cis-1,3-Dichloropropene		1	U
10061-02-6	Trans-1,3-Dichloropropene		1	U
100-41-4	Ethylbenzene		1	U
591-78-6	2-Hexanone		5	U
75-09-2	Methylene Chloride	UJ	0.2	J
108-10-1	4-Methyl-2-Pentanone		5	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
127-18-4	Tetrachloroethene		1	U

FORM I VOA

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO

ACS-GWMW3S-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216705

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1215E07.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: not dec. Date Analyzed: 12/16/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	VJ 0.2	J
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	5	U

FORM I VOA

VALIDATED

1E

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW3S-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216705

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1215E07.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: not dec. Date Analyzed: 12/16/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

VALIDATED

1C CLIENT SAMPLE NC

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW3S-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216705

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0106H05.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: decanted: (Y/N) Date Extracted: 12/15/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

VALIDATED

1F

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO

ACS-GWMW3S-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216705

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0106H05.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: decanted: (Y/N) Date Extracted: 12/15/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I SV-TIC

1LCD

CLIENT SAMPLE NO.

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET ACS-GWMW3S-04

MW3S4

Lab Name: INDUSTRIAL & ENVIRONMENTA AEN, INC.-NC Contract: SOW 6/91

Lab Code: IEA Case No.: 2240-104 SDG No.: 12155

DATE SAMPLED: 12/10/97

Lab Sample ID: 971216705 Date Received: 12/11/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/15/97

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/06/98

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L) CRQL MULTIPLIER=1.00 Q	
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

VALIDATED

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
ACS-GWMW3S-04
ACS-GWMW3S-04

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Lab Code: AEN___ Case No:2240_104___ SAS No.: _____ SDG No.: 12155_

Matrix (soil/water): WATER Lab Sample ID: 971216705

Level (low/med): LOW__ Date Received: 12/11/98

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	u 93.4	B		P_
7440-36-0	Antimony_	1.0	U		P_
7440-38-2	Arsenic__	11.2			P_
7440-39-3	Barium___	205			P_
7440-41-7	Beryllium	1.0	U		P_
7440-43-9	Cadmium__	1.0	U		P_
7440-70-2	Calcium__	117000			P_
7440-47-3	Chromium_	u 2.3	B		P_
7440-48-4	Cobalt___	1.0	U		P_
7440-50-8	Copper___	u 5.0	B		P_
7439-89-6	Iron____	4260			P_
7439-92-1	Lead____	1.0	U		P_
7439-95-4	Magnesium	32800			P_
7439-96-5	Manganese	396			P_
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	u 5.7	B		P_
7440-09-7	Potassium	J 14700		E	P_
7782-49-2	Selenium_	2.0	U		P_
7440-22-4	Silver___	1.0	U		P_
7440-23-5	Sodium___	44100			P_
7440-28-0	Thallium_	2.0	U		P_
7440-62-2	Vanadium_	2.4	B		P_
7440-66-6	Zinc____	u 10.3	B		P_
_____	Cyanide__	10.0	U		CA
_____	_____	_____	_	_____	__

Color Before: BROWN____ Clarity Before: CLOUDY Texture: _____

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

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VALIDATED

1LCA

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW3S-94

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216706

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1215E08.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: not dec. Date Analyzed: 12/16/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/l	Q
67-64-1	Acetone	R	5	U
71-43-2	Benzene		1	U
74-97-5	Bromochloromethane		1	U
75-27-4	Bromodichloromethane		1	U
75-25-2	Bromoform		1	U
74-83-9	Bromomethane		1	U
78-93-3	2-Butanone	R	5	U
75-15-0	Carbon Disulfide		1	U
56-23-5	Carbon Tetrachloride		1	U
108-90-7	Chlorobenzene		1	U
75-00-3	Chloroethane	UJ	1	U
67-66-3	Chloroform		1	U
74-87-3	Chloromethane		1	U
124-48-1	Dibromochloromethane		1	U
96-12-8	1,2-Dibromo-3-Chloropropane		1	U
106-93-4	1,2-Dibromoethane		1	U
95-50-1	1,2-Dichlorobenzene		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
75-34-3	1,1-Dichloroethane		1	U
107-06-2	1,2-Dichloroethane		1	U
75-35-4	1,1-Dichloroethene		1	U
156-59-2	Cis-1,2-Dichloroethene		1	U
156-60-5	Trans-1,2-Dichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
10061-01-5	Cis-1,3-Dichloropropene		1	U
10061-02-6	Trans-1,3-Dichloropropene		1	U
100-41-4	Ethylbenzene		1	U
591-78-6	2-Hexanone		5	U
75-09-2	Methylene Chloride	UJ	0.2	J
108-10-1	4-Methyl-2-Pentanone		5	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
127-18-4	Tetrachloroethene		1	U

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW3S-94

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216706

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1215E08.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: not dec. Date Analyzed: 12/16/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	U5 0.2	J
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	5	U

FORM I VOA

VALIDATED

1E

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW3S-94

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971215706

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1215E08.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: not dec. Date Analyzed: 12/16/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

1B

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW3S-94

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216706

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0106H06.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: decanted: (Y/N) Date Extracted: 12/15/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l		Q
108-95-2	Phenol		6	
111-44-4	Bis(2-Chloroethyl)Ether		3	J
95-57-8	2-Chlorophenol		5	U
541-73-1	1,3-Dichlorobenzene		5	U
106-46-7	1,4-Dichlorobenzene		5	U
95-50-1	1,2-Dichlorobenzene		5	U
95-48-7	2-Methylphenol		5	U
108-60-1	2,2'-oxybis(1-Chloropropane)		7	
106-44-5	4-Methylphenol		5	U
621-64-7	N-Nitroso-Di-N-Propylamine		5	U
67-72-1	Hexachloroethane		5	U
98-95-3	Nitrobenzene		5	U
78-59-1	Isophorone		5	U
88-75-5	2-Nitrophenol		5	U
105-67-9	2,4-Dimethylphenol		5	U
111-91-1	Bis(2-Chloroethoxy)Methane		5	U
120-83-2	2,4-Dichlorophenol		5	U
120-82-1	1,2,4-Trichlorobenzene		5	U
91-20-3	Naphthalene		5	U
106-47-8	4-Chloroaniline		5	U
87-68-3	Hexachlorobutadiene	UJ	5	U
59-50-7	4-Chloro-3-Methylphenol		5	U
91-57-6	2-Methylnaphthalene		5	U
77-47-4	Hexachlorocyclopentadiene		5	U
88-06-2	2,4,6-Trichlorophenol		5	U
95-95-4	2,4,5-Trichlorophenol		20	U
91-58-7	2-Chloronaphthalene		5	U
88-74-4	2-Nitroaniline		20	U
131-11-3	Dimethylphthalate		5	U
208-96-8	Acenaphthylene		5	U
606-20-2	2,6-Dinitrotoluene		5	U
99-09-2	3-Nitroaniline		20	U
83-32-9	Acenaphthene		5	U

VALIDATED

1C

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW3S-94

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216706

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0106H06.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: decanted: (Y/N) Date Extracted: 12/15/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

1F

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW3S-94

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216706

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0106H06.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: decanted: (Y/N) Date Extracted: 12/15/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I SV-TIC

1LCD

CLIENT SAMPLE NO.

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET ACS-GWMW3S-94

AEN, INC.-NC

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

MW3S9

DATE SAMPLED: 12/10/97

Lab Code: IEA Case No.: 2240-104 SDG No.: 12155

Lab Sample ID: 971216706 Date Received: 12/11/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/15/97

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/06/98

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L) CRQL MULTIPLIER=1.00	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

VALIDATED

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACS-GWMW3S-94
MW3S9

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Code: AEN___ Case No:2240_104___ SAS No.: _____ SDG No.: 12155_

Matrix (soil/water): WATER Lab Sample ID: 971216706

Level (low/med): LOW__ Date Received: 12/11/98

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	U 23.4	B		P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	11.3			P
7440-39-3	Barium	196	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	112000			P
7440-47-3	Chromium	U 1.7	B		P
7440-48-4	Cobalt	1.0	U		P
7440-50-8	Copper	U 4.5	B		P
7439-89-6	Iron	4040			P
7439-92-1	Lead	1.0	U		P
7439-95-4	Magnesium	31500			P
7439-96-5	Manganese	382			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	U 5.0	B		P
7440-09-7	Potassium	J 14000		E	P
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	42900			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	2.2	B		P
7440-66-6	Zinc	U 7.1	B		P
	Cyanide	10.0	U		CA

Color Before: BROWN____ Clarity Before: CLOUDY Texture: _____

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

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VALIDATED

1LCA

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW4S-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216708

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1216504.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: not dec. Date Analyzed: 12/16/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 80

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/l	Q
67-64-1	Acetone	R	400	U
71-43-2	Benzene	UJ	75	J
74-97-5	Bromochloromethane		80	U
75-27-4	Bromodichloromethane		80	U
75-25-2	Bromoform		80	U
74-83-9	Bromomethane		80	U
78-93-3	2-Butanone	R	400	U
75-15-0	Carbon Disulfide		80	U
56-23-5	Carbon Tetrachloride		80	U
108-90-7	Chlorobenzene		80	U
75-00-3	Chloroethane	J	1200	
67-66-3	Chloroform		80	U
74-87-3	Chloromethane		80	U
124-48-1	Dibromochloromethane		80	U
96-12-8	1,2-Dibromo-3-Chloropropane		80	U
106-93-4	1,2-Dibromoethane		80	U
95-50-1	1,2-Dichlorobenzene		80	U
541-73-1	1,3-Dichlorobenzene		80	U
106-46-7	1,4-Dichlorobenzene		80	U
75-34-3	1,1-Dichloroethane		80	U
107-06-2	1,2-Dichloroethane		80	U
75-35-4	1,1-Dichloroethene		80	U
156-59-2	Cis-1,2-Dichloroethene		80	U
156-60-5	Trans-1,2-Dichloroethene		80	U
78-87-5	1,2-Dichloropropane		80	U
10061-01-5	Cis-1,3-Dichloropropene		80	U
10061-02-6	Trans-1,3-Dichloropropene		80	U
100-41-4	Ethylbenzene		80	U
591-78-6	2-Hexanone		400	U
75-09-2	Methylene Chloride	UJ	10	J
108-10-1	4-Methyl-2-Pentanone		400	U
100-42-5	Styrene		80	U
79-34-5	1,1,2,2-Tetrachloroethane		80	U
127-18-4	Tetrachloroethene		80	U

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO

ACS-GWMW4S-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216708

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1216504.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: not dec. Date Analyzed: 12/16/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 80

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	80	U
71-55-6	1,1,1-Trichloroethane	80	U
79-00-5	1,1,2-Trichloroethane	80	U
79-01-6	Trichloroethene	80	U
75-01-4	Vinyl Chloride	80	U
1330-20-7	Xylene (Total)	400	U

VALIDATED

1E

CLIENT SAMPLE NO

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW4S-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216708

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1216504.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: not dec. Date Analyzed: 12/16/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 80.0

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

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

VALIDATED

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW4S-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216708

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0106H08.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: decanted: (Y/N) Date Extracted: 12/15/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

VALIDATED

1F

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW4S-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216708

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0106H08.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: decanted: (Y/N) Date Extracted: 12/15/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 15

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	UNKNOWN ALCOHOL	8.83	23	J
	UNKNOWN ALCOHOL	8.93	35	J
	UNKNOWN	9.10	47	J
	UNKNOWN	9.28	63	J
000873-94-9	CYCLOHEXANONE, 3,3,5-TRIMETHYL-	9.56	34	JN
	UNKNOWN	10.09	15	J
000112-36-7	ETHANE, 1,1'-OXYBIS[2-ETHOXY-]	10.29	53	JN
	UNKNOWN	11.49	590	J
	UNKNOWN	11.63	23	J
	UNKNOWN	13.14	15	J
	UNKNOWN	14.21	16	J
	UNKNOWN	15.05	17	J
	UNKNOWN	15.77	13	J
	UNKNOWN	17.90	11	J
000076-73-3	SECOBARBITAL	20.49	28	JN

VALIDATED

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
ACS-GWMW4S-04

MW4S

AEN, Inc.-NC

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

DATE SAMPLED: 12/10/97

Lab Code: IEA Case No.: 2240-104 SDG No.: 12155

Lab Sample ID: 971216908 Date Received: 12/11/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/15/97 (5)

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/06/98 (22)

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L) CRQL MULTIPLIER=1.00	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

VALIDATED

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACS-GWMW4S-04

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Lab Code: AEN___ Case No:2240_104___ SAS No.: _____ SDG No.: 12155_

Matrix (soil/water): WATER Lab Sample ID: 971216708

Level (low/med): LOW__ Date Received: 12/11/98

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	347			P
7440-36-0	Antimony	1.3	B		P
7440-38-2	Arsenic	u 3.3	B		P
7440-39-3	Barium	509			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	325000			P
7440-47-3	Chromium	u 3.3	B		P
7440-48-4	Cobalt	4.1	B		P
7440-50-8	Copper	u 7.3	B		P
7439-89-6	Iron	28500			P
7439-92-1	Lead	1.0	U		P
7439-95-4	Magnesium	46100			P
7439-96-5	Manganese	561			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	10.4	B		P
7440-09-7	Potassium	J 20300		E	P
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	77100			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	2.5	B		P
7440-66-6	Zinc	u 9.7	B		P
	Cyanide	10.0	U		CA

Color Before: BROWN____ Clarity Before: CLOUDY Texture: _____

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

_____

_____

_____

_____

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW06-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216707

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1216505.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: not dec. Date Analyzed: 12/16/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 125

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l		Q
67-64-1	Acetone	R	620	U
71-43-2	Benzene	J	1900	
74-97-5	Bromochloromethane		120	U
75-27-4	Bromodichloromethane		120	U
75-25-2	Bromoform		120	U
74-83-9	Bromomethane		120	U
78-93-3	2-Butanone	R	620	U
75-15-0	Carbon Disulfide		120	U
56-23-5	Carbon Tetrachloride		120	U
108-90-7	Chlorobenzene		120	U
75-00-3	Chloroethane	J	550	
67-66-3	Chloroform		120	U
74-87-3	Chloromethane		120	U
124-48-1	Dibromochloromethane		120	U
96-12-8	1,2-Dibromo-3-Chloropropane		120	U
106-93-4	1,2-Dibromoethane		120	U
95-50-1	1,2-Dichlorobenzene		120	U
541-73-1	1,3-Dichlorobenzene		120	U
106-46-7	1,4-Dichlorobenzene		120	U
75-34-3	1,1-Dichloroethane		120	U
107-06-2	1,2-Dichloroethane		120	U
75-35-4	1,1-Dichloroethene		120	U
156-59-2	Cis-1,2-Dichloroethene		120	U
156-60-5	Trans-1,2-Dichloroethene		120	U
78-87-5	1,2-Dichloropropane		120	U
10061-01-5	Cis-1,3-Dichloropropene		120	U
10061-02-6	Trans-1,3-Dichloropropene		120	U
100-41-4	Ethylbenzene		100	J
591-78-6	2-Hexanone		620	U
75-09-2	Methylene Chloride		250	U
108-10-1	4-Methyl-2-Pentanone		620	U
100-42-5	Styrene		120	U
79-34-5	1,1,2,2-Tetrachloroethane		120	U
127-18-4	Tetrachloroethene		120	U

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW06-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216707

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1216505.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: not dec. Date Analyzed: 12/16/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 125

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	120	U
71-55-6	1,1,1-Trichloroethane	120	U
79-00-5	1,1,2-Trichloroethane	120	U
79-01-6	Trichloroethene	120	U
75-01-4	Vinyl Chloride	120	U
1330-20-7	Xylene (Total)	220	J

VALIDATED

1E

CLIENT SAMPLE NO

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW06-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216707

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1216505.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: not dec. Date Analyzed: 12/16/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 125.0

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

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

VALIDATED

1B

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW06-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216707

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0106H07.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: decanted: (Y/N) Date Extracted: 12/15/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l		Q
108-95-2	Phenol		60	
111-44-4	Bis(2-Chloroethyl)Ether		74	
95-57-8	2-Chlorophenol		5	U
541-73-1	1,3-Dichlorobenzene		5	U
106-46-7	1,4-Dichlorobenzene		5	U
95-50-1	1,2-Dichlorobenzene		5	U
95-48-7	2-Methylphenol		5	U
108-60-1	2,2'-oxybis(1-Chloropropane)		5	U
106-44-5	4-Methylphenol		5	U
621-64-7	N-Nitroso-Di-N-Propylamine		5	U
67-72-1	Hexachloroethane		5	U
98-95-3	Nitrobenzene		5	U
78-59-1	Isophorone		19	
88-75-5	2-Nitrophenol		5	U
105-67-9	2,4-Dimethylphenol		13	
111-91-1	Bis(2-Chloroethoxy)Methane		5	U
120-83-2	2,4-Dichlorophenol		5	U
120-82-1	1,2,4-Trichlorobenzene		5	U
91-20-3	Naphthalene		5	U
106-47-8	4-Chloroaniline		5	U
87-68-3	Hexachlorobutadiene		5	U
59-50-7	4-Chloro-3-Methylphenol		5	U
91-57-6	2-Methylnaphthalene		5	U
77-47-4	Hexachlorocyclopentadiene	UJ	5	U
88-06-2	2,4,6-Trichlorophenol		5	U
95-95-4	2,4,5-Trichlorophenol		20	U
91-58-7	2-Chloronaphthalene		5	U
88-74-4	2-Nitroaniline		20	U
131-11-3	Dimethylphthalate		5	U
208-96-8	Acenaphthylene		5	U
606-20-2	2,6-Dinitrotoluene		5	U
99-09-2	3-Nitroaniline		20	U
83-32-9	Acenaphthene		5	U

VALIDATED

1C

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW06-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216707

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0106H07.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: decanted: (Y/N) Date Extracted: 12/15/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	1	J
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

VALIDATED

1F

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW06-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216707

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0106H07.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: decanted: (Y/N) Date Extracted: 12/15/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 20

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	UNKNOWN	9.88	67	J
000112-36-7	ETHANE, 1,1'-OXYBIS[2-ETHOXY-	10.32	99	JN
	UNKNOWN	10.82	23	J
	UNKNOWN	11.66	78	J
	DIMETHYL PHENOL ISOMER	11.84	38	J
	ETHYLMETHYL PHENOL ISOMER	12.33	29	J
	UNKNOWN	12.50	29	J
	UNKNOWN	13.08	23	J
	UNKNOWN	15.81	830	J
	UNKNOWN	15.92	40	J
	UNKNOWN	16.65	48	J
000098-73-7	BENZOIC ACID, P-TERT-BUTYL-	16.83	32	JN
	UNKNOWN	16.91	23	J
000101-10-0	PROPANOIC ACID, 2-(3-CHLOROPhenoxy)	18.02	92	JN
000080-40-0	BENZENESULFONIC ACID, 4-METHYL-	18.81	31	JN
000934-34-9	2(3H)-BENZOTHIAZOLONE	19.10	22	JN
000080-39-7	BENZENESULFONAMIDE, N-ETHYL-4-meth	19.55	38	JN
000076-73-3	SECOBARBITAL	20.60	58	JN
000050-06-6	PHENOBARBITAL	22.63	41	JN
	UNKNOWN	25.47	33	J

FORM I SV-TIC

VALIDATED

1LCD

CLIENT SAMPLE NO.

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET ACS-GWMW06-0A

MW06

AEN, INC. - NC

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

DATE SAMPLED: 12/10/97

Lab Code: IEA Case No.: 2240-104 SDG No.: 12155

Lab Sample ID: 971216907 Date Received: 12/11/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/15/97 (5)

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/06/98 (22)

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L) CRDL MULTIPLIER 1.00	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

VALIDATED

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACG-GWMW06-04

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Lab Code: AEN___ Case No:2240_104___ SAS No.: _____ SDG No.: 12155_

Matrix (soil/water): WATER Lab Sample ID: 971216707

Level (low/med): LOW__ Date Received: 12/11/98

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	242			P
7440-36-0	Antimony	2.1	B		P
7440-38-2	Arsenic	112			P
7440-39-3	Barium	361			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	171000			P
7440-47-3	Chromium	61.6			P
7440-48-4	Cobalt	3.4	B		P
7440-50-8	Copper	u 13.0	B		P
7439-89-6	Iron	26800			P
7439-92-1	Lead	4.1			P
7439-95-4	Magnesium	37100			P
7439-96-5	Manganese	655			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	62.2			P
7440-09-7	Potassium	J 17800		E	P
7782-49-2	Selenium	2.6	B		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	88700			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	1.6	B		P
7440-66-6	Zinc	u 14.9	B		P
_____	Cyanide	10.0	U		CA

Color Before: BROWN____ Clarity Before: CLOUDY Texture: _____

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

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VALIDATED

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW11-04

Lab Name: AEN-NC Method: SOW 691

DATE SAMPLED: 12/15/97

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971225015

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1217E15.D

Level: (low/med) LOW Date Received: 12/16/97 (1)

% Moisture: not dec. Date Analyzed: 12/18/97 (5)

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CRQL MULTIPLIER = 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/l	Q
67-64-1	Acetone	R	5	U
71-43-2	Benzene		1	U
74-97-5	Bromochloromethane		1	U
75-27-4	Bromodichloromethane		1	U
75-25-2	Bromoform		1	U
74-83-9	Bromomethane		1	U
78-93-3	2-Butanone	R	5	U
75-15-0	Carbon Disulfide		1	U
56-23-5	Carbon Tetrachloride		1	U
108-90-7	Chlorobenzene		1	U
75-00-3	Chloroethane		1	U
67-66-3	Chloroform		1	U
74-87-3	Chloromethane	J	0.2	J
124-48-1	Dibromochloromethane		1	U
96-12-8	1,2-Dibromo-3-Chloropropane		1	U
106-93-4	1,2-Dibromoethane		1	U
95-50-1	1,2-Dichlorobenzene		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
75-34-3	1,1-Dichloroethane		1	U
107-06-2	1,2-Dichloroethane	J	0.3	J
75-35-4	1,1-Dichloroethene		1	U
156-59-2	Cis-1,2-Dichloroethene	J	0.2	J
156-60-5	Trans-1,2-Dichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
10061-01-5	Cis-1,3-Dichloropropene		1	U
10061-02-6	Trans-1,3-Dichloropropene		1	U
100-41-4	Ethylbenzene		1	U
591-78-6	2-Hexanone		5	U
75-09-2	Methylene Chloride	24	0.1	J
108-10-1	4-Methyl-2-Pentanone		5	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
127-18-4	Tetrachloroethene		1	U

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW11-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971225015

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1217E15.D

Level: (low/med) LOW Date Received: 12/16/97

% Moisture: not dec. Date Analyzed: 12/18/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	1	U
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	5	U

VALIDATED

1E

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW11-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971225015

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1217E15.D

Level: (low/med) LOW Date Received: 12/16/97

% Moisture: not dec. Date Analyzed: 12/18/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

Number TICs Found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

VALIDATED

1B CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW11-04

DATE SAMPLED: 12/15/97

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971225015

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0108803.D

Level: (low/med) LOW Date Received: 12/16/97 (1)

% Moisture: decanted: (Y/N) Date Extracted: 12/17/97 (2)

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/08/98 (22)

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: CRQL MULTIPLIER = 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	24	
111-44-4	Bis(2-Chloroethyl)Ether	5	U
95-57-8	2-Chlorophenol	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-Di-N-Propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	Bis(2-Chloroethoxy)Methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-Methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

VALIDATED

1C

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW11-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971225015

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0108803.D

Level: (low/med) LOW Date Received: 12/16/97

% Moisture: decanted: (Y/N) Date Extracted: 12/17/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/08/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

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VALIDATED

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW11-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971225015

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0108803.D

Level: (low/med) LOW Date Received: 12/16/97

% Moisture: decanted: (Y/N) Date Extracted: 12/17/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/08/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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VALIDATED

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LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
ACS-GWMW11-04

MW11

AEN, Inc.-NC

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

DATE SAMPLED: 12/15/97

Lab Code: IEA Case No.: 2240-108 SDG No.: 12202

Lab Sample ID: 971225015 Date Received: 12/16/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/17/97

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/10/98

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L) CRQL MULTIPLIER=1.00	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
ACS-GWMW11-04

MW11

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Lab Code: AEN___ Case No:2240_108___ SAS No.: _____ SDG No.: 12202_

Matrix (soil/water): WATER Lab Sample ID: 971225015

Level (low/med): LOW__ Date Received: 12/16/97
12/15/97

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1600			P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	J 27.7	B	E	P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	32100			P
7440-47-3	Chromium	9.8	B		P
7440-48-4	Cobalt	2.7	B		P
7440-50-8	Copper	21.8	B		P
7439-89-6	Iron	J 9740			P
7439-92-1	Lead	3.8		*	P
7439-95-4	Magnesium	J 13100			P
7439-96-5	Manganese	182			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	11.8	B		P
7440-09-7	Potassium	J 1810	B	E	P
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	4150	B		P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	20.3	B		P
7440-66-6	Zinc	35.7			P
	Cyanide	10.0	U		CA

Color Before: BROWN____ Clarity Before: CLOUDY Texture: _____

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

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VALIDATED

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LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW12-04

12/16/97

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971227305

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1223E06.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: not dec. Date Analyzed: 12/23/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/l	Q
67-64-1	Acetone	R	5	U
71-43-2	Benzene	U	1	
74-97-5	Bromochloromethane		1	U
75-27-4	Bromodichloromethane		1	U
75-25-2	Bromoform		1	U
74-83-9	Bromomethane		1	U
78-93-3	2-Butanone	R	5	U
75-15-0	Carbon Disulfide		1	U
56-23-5	Carbon Tetrachloride		1	U
108-90-7	Chlorobenzene		5	
75-00-3	Chloroethane		1	U
67-66-3	Chloroform		1	U
74-87-3	Chloromethane		1	U
124-48-1	Dibromochloromethane		1	U
96-12-8	1,2-Dibromo-3-Chloropropane		1	U
106-93-4	1,2-Dibromoethane		1	U
95-50-1	1,2-Dichlorobenzene		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
75-34-3	1,1-Dichloroethane		0.3	J
107-06-2	1,2-Dichloroethane		1	U
75-35-4	1,1-Dichloroethene		1	U
156-59-2	Cis-1,2-Dichloroethene		1	U
156-60-5	Trans-1,2-Dichloroethene		0.5	J
78-87-5	1,2-Dichloropropane		1	U
10061-01-5	Cis-1,3-Dichloropropene		1	U
10061-02-6	Trans-1,3-Dichloropropene		1	U
100-41-4	Ethylbenzene		1	U
591-78-6	2-Hexanone		5	U
75-09-2	Methylene Chloride		2	U
108-10-1	4-Methyl-2-Pentanone		5	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
127-18-4	Tetrachloroethene		1	U

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW12-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971227305

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1223E06.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: not dec. Date Analyzed: 12/23/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	1	U
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	5	U

1E

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW12-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971227305

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1223E06.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: not dec. Date Analyzed: 12/23/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

VALIDATED

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	UNKNOWN HYDROCARBON	25.03	11	J

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW12-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971227305

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0112H11.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: decanted: (Y/N) Date Extracted: 12/19/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/13/98

Injection Volume: 2.0 (uL) Dilution Factor: 3.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	14	J
111-44-4	Bis(2-Chloroethyl)Ether	15	U
95-57-8	2-Chlorophenol	15	U
541-73-1	1,3-Dichlorobenzene	15	U
106-46-7	1,4-Dichlorobenzene	15	U
95-50-1	1,2-Dichlorobenzene	15	U
95-48-7	2-Methylphenol	15	U
108-60-1	2,2'-oxybis(1-Chloropropane)	170	
106-44-5	4-Methylphenol	15	U
621-64-7	N-Nitroso-Di-N-Propylamine	15	U
67-72-1	Hexachloroethane	15	U
98-95-3	Nitrobenzene	15	U
78-59-1	Isophorone	15	U
88-75-5	2-Nitrophenol	15	U
105-67-9	2,4-Dimethylphenol	15	U
111-91-1	Bis(2-Chloroethoxy)Methane	15	U
120-83-2	2,4-Dichlorophenol	15	U
120-82-1	1,2,4-Trichlorobenzene	15	U
91-20-3	Naphthalene	15	U
106-47-8	4-Chloroaniline	15	U
87-68-3	Hexachlorobutadiene	15	U
59-50-7	4-Chloro-3-Methylphenol	15	U
91-57-6	2-Methylnaphthalene	15	U
77-47-4	Hexachlorocyclopentadiene	15	U
88-06-2	2,4,6-Trichlorophenol	15	U
95-95-4	2,4,5-Trichlorophenol	60	U
91-58-7	2-Chloronaphthalene	15	U
88-74-4	2-Nitroaniline	60	U
131-11-3	Dimethylphthalate	15	U
208-96-8	Acenaphthylene	15	U
606-20-2	2,6-Dinitrotoluene	15	U
99-09-2	3-Nitroaniline	60	U
83-32-9	Acenaphthene	15	U

1C

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW12-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971227305

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0112H11.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: decanted: (Y/N) Date Extracted: 12/19/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/13/98

Injection Volume: 2.0 (uL) Dilution Factor: 3.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	60	U
100-02-7	4-Nitrophenol	60	U
132-64-9	Dibenzofuran	15	U
121-14-2	2,4-Dinitrotoluene	15	U
84-66-2	Diethylphthalate	15	U
7005-72-3	4-Chlorophenyl-phenylether	15	U
86-73-7	Fluorene	15	U
100-01-6	4-Nitroaniline	60	U
534-52-1	4,6-Dinitro-2-Methylphenol	60	U
86-30-6	N-Nitrosodiphenylamine (1)	15	U
101-55-3	4-Bromophenyl-phenylether	15	U
118-74-1	Hexachlorobenzene	15	U
87-86-5	Pentachlorophenol	60	U
85-01-8	Phenanthrene	15	U
120-12-7	Anthracene	15	U
86-74-8	Carbazole	15	U
84-74-2	Di-N-Butylphthalate	15	U
206-44-0	Fluoranthene	15	U
129-00-0	Pyrene	15	U
85-68-7	Butylbenzylphthalate	15	U
91-94-1	3,3'-Dichlorobenzidine	15	U
56-55-3	Benzo(a)Anthracene	15	U
218-01-9	Chrysene	15	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	15	U
117-84-0	Di-N-Octylphthalate	15	U
205-99-2	Benzo(b)Fluoranthene	15	U
207-08-9	Benzo(k)Fluoranthene	15	U
50-32-8	Benzo(a)Pyrene	15	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	15	U
53-70-3	Dibenz(A,H)Anthracene	15	U
191-24-2	Benzo(G,H,I)Perylene	15	U

1F

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW12-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971227305

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0112H11.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: decanted: (Y/N) Date Extracted: 12/19/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/13/98

Injection Volume: 2 (uL) Dilution Factor: 3.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	13.74	38	J

FORM I SV-TIC

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
ACS GWMW12-04
MW12

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

Lab Code: IEA Case No.: 2240-114 SDG No.: 12273

Lab Sample ID: 971227305 Date Received: 12/17/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/22/97

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/11/98

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0 VALIDATED

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

INORGANIC ANALYSES DATA SHEET

ACS GWMW12-04

MW12

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Lab Code: AEN___ Case No:2240_114___ SAS No.: _____ SDG No.: 12273_

Matrix (soil/water): WATER Lab Sample ID: 971227305

Level (low/med): LOW__ Date Received: 12/17/97

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	460			P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	4.3	B		P
7440-39-3	Barium	86.0	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	49800			P
7440-47-3	Chromium	4.9	B		P
7440-48-4	Cobalt	1.5	B		P
7440-50-8	Copper	14.1	B		P
7439-89-6	Iron	30400			P
7439-92-1	Lead	11.8			P
7439-95-4	Magnesium	18000			P
7439-96-5	Manganese	1090			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	3.8	B		P
7440-09-7	Potassium	2540	B	E	P
7782-49-2	Selenium	2.2	B		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	10100			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	28.8	B		P
7440-66-6	Zinc	14.1	B		P
	Cyanide	10.0	U		CA

Color Before: BROWN____ Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN

3/90

VALIDATED

1LCA

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW13-04

Lab Name: AEN-NC Method: SOW 691

12/17/97

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229712

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1224509.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: not dec. Date Analyzed: 12/24/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
67-64-1	Acetone	R 5	U
71-43-2	Benzene	UJ 4	
74-97-5	Bromochloromethane	1	U
75-27-4	Bromodichloromethane	1	U
75-25-2	Bromoform	1	U
74-83-9	Bromomethane	1	U
78-93-3	2-Butanone	R 5	U
75-15-0	Carbon Disulfide	1	U
56-23-5	Carbon Tetrachloride	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	20	
67-66-3	Chloroform	0.3	J
74-87-3	Chloromethane	UJ 0.2	J
124-48-1	Dibromochloromethane	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
106-93-4	1,2-Dibromoethane	1	U
95-50-1	1,2-Dichlorobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
75-34-3	1,1-Dichloroethane	1	U
107-06-2	1,2-Dichloroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
156-59-2	Cis-1,2-Dichloroethene	1	U
156-60-5	Trans-1,2-Dichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	Cis-1,3-Dichloropropene	1	U
10061-02-6	Trans-1,3-Dichloropropene	1	U
100-41-4	Ethylbenzene	1	U
591-78-6	2-Hexanone	5	U
75-09-2	Methylene Chloride	UJ 1	JB
108-10-1	4-Methyl-2-Pentanone	5	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
127-18-4	Tetrachloroethene	1	U

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW13-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229712

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1224509.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: not dec. Date Analyzed: 12/24/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	1	U
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	5	U

1E

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW13-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229712

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1224509.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: not dec. Date Analyzed: 12/24/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

VALIDATED

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000060-29-7	ETHER	4.94	31	JN

1B

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW13-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229712

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0108809.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/08/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	J 12	
111-44-4	Bis(2-Chloroethyl)Ether	UJ 5	U
95-57-8	2-Chlorophenol	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-Di-N-Propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	Bis(2-Chloroethoxy)Methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-Methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

1C

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW13-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229712

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0108809.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/08/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	UJ 20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

1F

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW13-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229712

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0108809.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/08/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I SV-TIC

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
ACSGWMW13-04

MW13

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

Lab Code: IEA Case No.: 2240-114 SDG No.: 12273

Lab Sample ID: 971229712 Date Received: 12/18/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/22/97

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/11/98

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

INORGANIC ANALYSES DATA SHEET

ACS GWMW13-04

MW13

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Lab Code: AEN___ Case No:2240_114___ SAS No.: _____ SDG No.: 12273_

Matrix (soil/water): WATER Lab Sample ID: 971229712

Level (low/med): LOW__ Date Received: 12/18/97

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	930			P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	2.1	B		P
7440-39-3	Barium	76.7	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	114000			P
7440-47-3	Chromium	30.3			P
7440-48-4	Cobalt	2.4	B		P
7440-50-8	Copper	38.8			P
7439-89-6	Iron	14200			P
7439-92-1	Lead	4.1			P
7439-95-4	Magnesium	32000			P
7439-96-5	Manganese	705			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	18.9	B		P
7440-09-7	Potassium	2190	B	E	P
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	22900			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	4.0	B		P
7440-66-6	Zinc	35.2			P
	Cyanide	10.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

_____

_____

_____

_____

VALIDATED

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW14-04

12/18/97

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971232920

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1224E05.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: not dec. Date Analyzed: 12/25/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
67-64-1	Acetone	R 5	U
71-43-2	Benzene	1	U
74-97-5	Bromochloromethane	1	U
75-27-4	Bromodichloromethane	1	U
75-25-2	Bromoform	1	U
74-83-9	Bromomethane	1	U
78-93-3	2-Butanone	R 5	U
75-15-0	Carbon Disulfide	0.1	J
56-23-5	Carbon Tetrachloride	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
67-66-3	Chloroform	1	U
74-87-3	Chloromethane	0.1	J
124-48-1	Dibromochloromethane	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
106-93-4	1,2-Dibromoethane	1	U
95-50-1	1,2-Dichlorobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
75-34-3	1,1-Dichloroethane	1	U
107-06-2	1,2-Dichloroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
156-59-2	Cis-1,2-Dichloroethene	1	U
156-60-5	Trans-1,2-Dichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	Cis-1,3-Dichloropropene	1	U
10061-02-6	Trans-1,3-Dichloropropene	1	U
100-41-4	Ethylbenzene	1	U
591-78-6	2-Hexanone	5	U
75-09-2	Methylene Chloride	1 U 0.9	J
108-10-1	4-Methyl-2-Pentanone	5	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
127-18-4	Tetrachloroethene	1	U

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW14-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971232920

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1224E05.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: not dec. Date Analyzed: 12/25/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	14 0.6	J
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	5	U

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW14-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971232920

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1224E05.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: not dec. Date Analyzed: 12/25/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW14-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971232920

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0108H14.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/09/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	20	
111-44-4	Bis(2-Chloroethyl)Ether	5	U
95-57-8	2-Chlorophenol	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-Di-N-Propylamine	UJ 5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	Bis(2-Chloroethoxy)Methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-Methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	UJ 5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
ACS-GWMW14-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971232920

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0108H14.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/09/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	1	J
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW14-04

Lab Name: AEN-NC   Method: SOW 691

Lab Code: AEN   Case No.: 2240-114   SDG No.: 12273

Matrix: (soil/water) WATER   Lab Sample ID: 971232920

Sample wt/vol: 1000 (g/mL) ml   Lab File ID: 0108H14.D

Level: (low/med) LOW   Date Received: 12/19/97

% Moisture: decanted: (Y/N)   Date Extracted: 12/23/97

Concentrated Extract Volume: 1000(uL)   Date Analyzed: 01/09/98

Injection Volume: 2 (uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) N   pH:

VALIDATED

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I SV-TIC

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
ACS-GWMW14-04

MW14

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

Lab Code: IEA Case No.: 2240-114 SDG No.: 12273

Lab Sample ID: 971232920 Date Received: 12/19/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/23/97

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/15/98

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____ | MW14 |

Lab Code: AEN___ Case No:2240_114___ SAS No.: _____ SDG No.: 12273_

Matrix (soil/water): WATER Lab Sample ID: 971232920

Level (low/med): LOW__ Date Received: 12/19/97

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9010			P
7440-36-0	Antimony	UJ 2.5	B		P
7440-38-2	Arsenic	11.5			P
7440-39-3	Barium	82.1	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	65300			P
7440-47-3	Chromium	41.2			P
7440-48-4	Cobalt	9.6	B		P
7440-50-8	Copper	27.6			P
7439-89-6	Iron	31500			P
7439-92-1	Lead	11.0			P
7439-95-4	Magnesium	18000			P
7439-96-5	Manganese	297			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	28.6	B		P
7440-09-7	Potassium	5640		E	P
7782-49-2	Selenium	3.0	B		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	5780			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	31.6	B		P
7440-66-6	Zinc	50.4			P
	Cyanide	10.0	U		CA

Color Before: BROWN____ Clarity Before: CLOUDY Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

_____

_____

_____

_____

VALIDATED

1LCA

CLIENT SAMPLE NO

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW15-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971215502

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1215513.D

Level: (low/med) LOW Date Received: 12/10/97

% Moisture: not dec. Date Analyzed: 12/15/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/l	Q
67-64-1	Acetone	U J	2	J
71-43-2	Benzene	J	5	
74-97-5	Bromochloromethane		1	U
75-27-4	Bromodichloromethane		1	U
75-25-2	Bromoform		1	U
74-83-9	Bromomethane		1	U
78-93-3	2-Butanone	R	5	U
75-15-0	Carbon Disulfide		1	U
56-23-5	Carbon Tetrachloride		1	U
108-90-7	Chlorobenzene		0.2	J
75-00-3	Chloroethane	J	2	
67-66-3	Chloroform		1	U
74-87-3	Chloromethane		1	U
124-48-1	Dibromochloromethane		1	U
96-12-8	1,2-Dibromo-3-Chloropropane		1	U
106-93-4	1,2-Dibromoethane		1	U
95-50-1	1,2-Dichlorobenzene		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
75-34-3	1,1-Dichloroethane		1	U
107-06-2	1,2-Dichloroethane		1	U
75-35-4	1,1-Dichloroethene		1	U
156-59-2	Cis-1,2-Dichloroethene		0.1	J
156-60-5	Trans-1,2-Dichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
10061-01-5	Cis-1,3-Dichloropropene		1	U
10061-02-6	Trans-1,3-Dichloropropene		1	U
100-41-4	Ethylbenzene		1	U
591-78-6	2-Hexanone		5	U
75-09-2	Methylene Chloride		2	U
108-10-1	4-Methyl-2-Pentanone		5	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
127-18-4	Tetrachloroethene		1	U

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW15-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971215502

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1215513.D

Level: (low/med) LOW Date Received: 12/10/97

% Moisture: not dec. Date Analyzed: 12/15/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	UJ 0.5	J
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	0.2	J
1330-20-7	Xylene (Total)	5	U

FORM I VOA

VALIDATED

1E

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW15-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971215502

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1215513.D

Level: (low/med) LOW Date Received: 12/10/97

% Moisture: not dec. Date Analyzed: 12/15/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000075-45-6	METHANE, CHLORODIFLUORO	2.70	5	JN

FORM I VOA-TIC

VALIDATED

1B

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW15-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971215502

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0105H10.D

Level: (low/med) LOW Date Received: 12/10/97

% Moisture: decanted: (Y/N) Date Extracted: 12/15/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	10	
111-44-4	Bis(2-Chloroethyl)Ether	5	U
95-57-8	2-Chlorophenol	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-Di-N-Propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	Bis(2-Chloroethoxy)Methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-Methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

VALIDATED

1C

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW15-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971215502

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0105H10.D

Level: (low/med) LOW Date Received: 12/10/97

% Moisture: decanted: (Y/N) Date Extracted: 12/15/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	6	
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

VALIDATED

CLIENT SAMPLE NC

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW15-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971215502

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0105H10.D

Level: (low/med) LOW Date Received: 12/10/97

% Moisture: decanted: (Y/N) Date Extracted: 12/15/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000112-36-7	ETHANE, 1,1'-OXYBIS[2-ETHOXY-]	10.48	13	JN
	UNKNOWN	10.99	17	J
	UNKNOWN	15.70	22	J
000050-06-6	PHENOBARBITAL	22.87	12	JN

VALIDATED

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
ACS-GWMW15-04

MW15

AEN, INC. - NC

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

DATE STAMPED = 12/09/97

Lab Code: IEA Case No.: 2240-104 SDG No.: 12155

Lab Sample ID: 971215502 Date Received: 12/10/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/11/97 (2)

Concentrated Extract Volume: 2000(uL) Date Analyzed: 12/17/97 (6)

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L) CRQL MULTIPLIER = 1.00	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

VALIDATED

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

AKS-GWMW15-04

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Code: AEN___ Case No:2240_104___ SAS No.: _____ SDG No.: 12155_

Matrix (soil/water): WATER Lab Sample ID: 971215502

Level (low/med): LOW__ Date Received: 12/10/98

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	610			P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	50.2			P
7440-39-3	Barium	1550			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	69800			P
7440-47-3	Chromium	8.5	B		P
7440-48-4	Cobalt	5.5	B		P
7440-50-8	Copper	15.1	B		P
7439-89-6	Iron	7210			P
7439-92-1	Lead	1.3	B		P
7439-95-4	Magnesium	80000			P
7439-96-5	Manganese	121			P
7439-97-6	Mercury	0.24			CV
7440-02-0	Nickel	24.3	B		P
7440-09-7	Potassium	128000		E	P
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	594000			P
7440-28-0	Thallium	2.9	B		P
7440-62-2	Vanadium	1.8	B		P
7440-66-6	Zinc	20.7			P
	Cyanide	10.0	U		CA

Color Before: BROWN____ Clarity Before: CLOUDY Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO

ACS-GWMW18-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971219420

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1216E09.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: not dec. Date Analyzed: 12/17/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l		Q
67-64-1	Acetone	R	5	U
71-43-2	Benzene		1	U
74-97-5	Bromochloromethane		1	U
75-27-4	Bromodichloromethane		1	U
75-25-2	Bromoform		1	U
74-83-9	Bromomethane		1	U
78-93-3	2-Butanone	R	5	U
75-15-0	Carbon Disulfide		1	U
56-23-5	Carbon Tetrachloride		1	U
108-90-7	Chlorobenzene		1	U
75-00-3	Chloroethane	UJ	1	U
67-66-3	Chloroform		1	U
74-87-3	Chloromethane		1	U
124-48-1	Dibromochloromethane		1	U
96-12-8	1,2-Dibromo-3-Chloropropane		1	U
106-93-4	1,2-Dibromoethane		1	U
95-50-1	1,2-Dichlorobenzene		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
75-34-3	1,1-Dichloroethane		1	U
107-06-2	1,2-Dichloroethane		1	U
75-35-4	1,1-Dichloroethene		1	U
156-59-2	Cis-1,2-Dichloroethene		1	U
156-60-5	Trans-1,2-Dichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
10061-01-5	Cis-1,3-Dichloropropene		1	U
10061-02-6	Trans-1,3-Dichloropropene		1	U
100-41-4	Ethylbenzene		1	U
591-78-6	2-Hexanone		5	U
75-09-2	Methylene Chloride		2	U
108-10-1	4-Methyl-2-Pentanone		5	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
127-18-4	Tetrachloroethene		1	U

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO

ACS-GWMW18-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971219420

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1216E09.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: not dec. Date Analyzed: 12/17/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	U:5 0.2	J
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	5	U

FORM I VOA

VALIDATED

1E

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW18-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971219420

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1216E09.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: not dec. Date Analyzed: 12/17/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

VALIDATED

1B

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW18-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971219420

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0105H09.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: decanted: (Y/N) Date Extracted: 12/16/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/l	Q
108-95-2	Phenol		5	
111-44-4	Bis(2-Chloroethyl)Ether		5	U
95-57-8	2-Chlorophenol		5	U
541-73-1	1,3-Dichlorobenzene		5	U
106-46-7	1,4-Dichlorobenzene		5	U
95-50-1	1,2-Dichlorobenzene		5	U
95-48-7	2-Methylphenol		5	U
108-60-1	2,2'-oxybis(1-Chloropropane)		5	U
106-44-5	4-Methylphenol		5	U
621-64-7	N-Nitroso-Di-N-Propylamine		5	U
67-72-1	Hexachloroethane		5	U
98-95-3	Nitrobenzene		5	U
78-59-1	Isophorone		5	U
88-75-5	2-Nitrophenol		5	U
105-67-9	2,4-Dimethylphenol		5	U
111-91-1	Bis(2-Chloroethoxy)Methane		5	U
120-83-2	2,4-Dichlorophenol		5	U
120-82-1	1,2,4-Trichlorobenzene		5	U
91-20-3	Naphthalene		5	U
106-47-8	4-Chloroaniline		5	U
87-68-3	Hexachlorobutadiene		5	U
59-50-7	4-Chloro-3-Methylphenol		5	U
91-57-6	2-Methylnaphthalene		5	U
77-47-4	Hexachlorocyclopentadiene	UJ	5	U
88-06-2	2,4,6-Trichlorophenol		5	U
95-95-4	2,4,5-Trichlorophenol		20	U
91-58-7	2-Chloronaphthalene		5	U
88-74-4	2-Nitroaniline		20	U
131-11-3	Dimethylphthalate		5	U
208-96-8	Acenaphthylene		5	U
606-20-2	2,6-Dinitrotoluene		5	U
99-09-2	3-Nitroaniline		20	U
83-32-9	Acenaphthene		5	U

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW18-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971219420

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0105H09.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: decanted: (Y/N) Date Extracted: 12/16/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	2	J
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

VALIDATED

1F

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW18-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971219420

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0105H09.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: decanted: (Y/N) Date Extracted: 12/16/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I SV-TIC

1LCD

CLIENT SAMPLE NO.

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET ACS-GWMW18-04

AEN, INC. -NC

MW18

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

DATE SAMPLED: 12/11/97

Lab Code: IEA Case No.: 2240-104 SDG No.: 12155

Lab Sample ID: 971219420 Date Received: 12/12/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/16/97 (5)

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/07/98 (22)

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L) CRQL MULTIPLIER=1.00	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

VALIDATED

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW18-04

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Code: AEN___ Case No:2240_104___ SAS No.: _____ SDG No.: 12155_

Matrix (soil/water): WATER Lab Sample ID: 971219420

Level (low/med): LOW__ Date Received: 12/12/98

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16.0	U		P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	33.4	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	76700			P
7440-47-3	Chromium	u 5.6	B		P
7440-48-4	Cobalt	1.0	U		P
7440-50-8	Copper	u 8.8	B		P
7439-89-6	Iron	u 56.1	B		P
7439-92-1	Lead	1.3	B		P
7439-95-4	Magnesium	25400			P
7439-96-5	Manganese	16.9			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	u 3.3	B		P
7440-09-7	Potassium	J 3250	B	E	P
7782-49-2	Selenium	4.0	B		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	76200			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	1.0	U		P
7440-66-6	Zinc	u 26.7			P
	Cyanide	10.0	U		CA

Color Before: BROWN____ Clarity Before: CLOUDY Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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VALIDATED

Industrial & Environmental Analysts, Inc. (IEA)

IEA Project #: 2240-104(0)
IEA Sample #: 9712201-20 Matrix: Water
Client Name: Montgomery Watson Date Received: 12/12/97
Client Proj. I.D.: 1252042 ACS Montgomery Watson Date Sampled: 12/11/97
Sample I.D.: ACS-GWMW18-04 Dry Weight: N/A

Parameter	Method	Quantitation Limits	Results	Date Prepared	Date Analyzed	Analyst
Ammonia-N	EPA 350.3	0.1 mg/L	BQL	N/A	12/15/97	EF
BOD	STD M 5210B	2.0 mg/L	BQL	N/A	12/12/97	JCG
Nitrite	EPS 353.2	0.02 mg/L	BQL	N/A	12/12/97	JCG
Nitrate	EPA 353.2	0.02 mg/L	11.6	N/A	12/12/97	JCG
Orthophosphate	EPA 365.2	0.02 mg/L	0.02 J	N/A	12/12/97	JCG
Sulfate	EPA 375.4	2.0 mg/L	76.7	N/A	12/15/97	ALHM
TKN	EPA 351.2	0.1 mg/L	0.208	N/A	12/15/97	EF
TOC	EPA 415.1	1.0 mg/L	3.37	N/A	12/22/97	CT

VALIDATED

Comments:

FORM RESP3 Rev. 030994

VALIDATED

1LCA

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW19-04

Lab Name: AEN-NC Method: SOW 691

DATE SAMPLED: 12/16/97

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971227120

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1223E13.D

Level: (low/med) LOW Date Received: 12/17/97 C

% Moisture: not dec. Date Analyzed: 12/24/97 8

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CRQL MULTIPLIER=1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l		Q
67-64-1	Acetone	R	5	U
71-43-2	Benzene		1	U
74-97-5	Bromochloromethane		1	U
75-27-4	Bromodichloromethane		1	U
75-25-2	Bromoform		1	U
74-83-9	Bromomethane		1	U
78-93-3	2-Butanone	R	5	U
75-15-0	Carbon Disulfide		1	U
56-23-5	Carbon Tetrachloride		1	U
108-90-7	Chlorobenzene		1	U
75-00-3	Chloroethane		16	
67-66-3	Chloroform	14	0.4	J
74-87-3	Chloromethane		1	U
124-48-1	Dibromochloromethane		1	U
96-12-8	1,2-Dibromo-3-Chloropropane		1	U
106-93-4	1,2-Dibromoethane		1	U
95-50-1	1,2-Dichlorobenzene		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
75-34-3	1,1-Dichloroethane		1	U
107-06-2	1,2-Dichloroethane		1	U
75-35-4	1,1-Dichloroethene		1	U
156-59-2	Cis-1,2-Dichloroethene		1	U
156-60-5	Trans-1,2-Dichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
10061-01-5	Cis-1,3-Dichloropropene		1	U
10061-02-6	Trans-1,3-Dichloropropene		1	U
100-41-4	Ethylbenzene		1	U
591-78-6	2-Hexanone		5	U
75-09-2	Methylene Chloride	ZU	0.4	J
108-10-1	4-Methyl-2-Pentanone		5	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
127-18-4	Tetrachloroethene		1	U

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW19-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971227120

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1223E13.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: not dec. Date Analyzed: 12/24/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	1	U
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	5	U

VALIDATED

1E

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW19-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG-No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971227120

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1223E13.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: not dec. Date Analyzed: 12/24/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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VALIDATED

1B

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO

ACS-GWMW19-04

DATE SAMPLED: 12/16/97

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971227120

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0105H14.D

Level: (low/med) LOW Date Received: 12/17/97 (1)

% Moisture: decanted: (Y/N) Date Extracted: 12/19/97 (3)

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98 (18)

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: CRQL MULTIPLIER = 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/l	Q
108-95-2	Phenol	U	10	
111-44-4	Bis(2-Chloroethyl)Ether		11	
95-57-8	2-Chlorophenol		5	U
541-73-1	1,3-Dichlorobenzene		5	U
106-46-7	1,4-Dichlorobenzene		5	U
95-50-1	1,2-Dichlorobenzene		5	U
95-48-7	2-Methylphenol		5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	J	1	J
106-44-5	4-Methylphenol		5	U
621-64-7	N-Nitroso-Di-N-Propylamine		5	U
67-72-1	Hexachloroethane		5	U
98-95-3	Nitrobenzene		5	U
78-59-1	Isophorone		5	U
88-75-5	2-Nitrophenol		5	U
105-67-9	2,4-Dimethylphenol		5	U
111-91-1	Bis(2-Chloroethoxy)Methane		5	U
120-83-2	2,4-Dichlorophenol		5	U
120-82-1	1,2,4-Trichlorobenzene		5	U
91-20-3	Naphthalene		5	U
106-47-8	4-Chloroaniline		5	U
87-68-3	Hexachlorobutadiene		5	U
59-50-7	4-Chloro-3-Methylphenol		5	U
91-57-6	2-Methylnaphthalene		5	U
77-47-4	Hexachlorocyclopentadiene		5	U
88-06-2	2,4,6-Trichlorophenol		5	U
95-95-4	2,4,5-Trichlorophenol		20	U
91-58-7	2-Chloronaphthalene		5	U
88-74-4	2-Nitroaniline		20	U
131-11-3	Dimethylphthalate		5	U
208-96-8	Acenaphthylene		5	U
606-20-2	2,6-Dinitrotoluene		5	U
99-09-2	3-Nitroaniline		20	U
83-32-9	Acenaphthene		5	U

VALIDATED

1C

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO

ACS-GWMW19-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971227120

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0105H14.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: decanted: (Y/N) Date Extracted: 12/19/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

VALIDATED

1F

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW19-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971227120

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0105H14.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: decanted: (Y/N) Date Extracted: 12/19/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	11.13	JN 13	J
	Unknown	15.22	17	J
000098-73-7	BENZOIC ACID, P-TERT-BUTYL-	16.97	23	JN
000050-06-6	PHENOBARBITAL	22.87	34	JN

VALIDATED

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
ACS-GWMW19-04

MW19

AEN, INC - NC

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

DATE SAMPLED: 12/16/97

Lab Code: IEA Case No.: 2240-108 SDG No.: 12202

Lab Sample ID: 971227120 Date Received: 12/17/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/22/97

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/10/98

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L) CRQL MULTIPLIER=1.00	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
ACS-GW MW 19-04

MW19

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Lab Code: AEN___ Case No:2240_108___ SAS No.: _____ SDG No.: 12202_

Matrix (soil/water): WATER Lab Sample ID: 971227120

Level (low/med): LOW__ Date Received: 12/17/97
12/16/97

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	189	B		P_
7440-36-0	Antimony_	1.0	U		P_
7440-38-2	Arsenic__	14.0	_		P_
7440-39-3	Barium___	J 598	_	E	P_
7440-41-7	Beryllium	1.0	U		P_
7440-43-9	Cadmium__	1.0	U		P_
7440-70-2	Calcium__	71100	_		P_
7440-47-3	Chromium_	1.6	B		P_
7440-48-4	Cobalt___	1.0	U		P_
7440-50-8	Copper___	5.0	B		P_
7439-89-6	Iron____	J 4080	_		P_
7439-92-1	Lead____	1.0	U	*	P_
7439-95-4	Magnesium	J 59900	_		P_
7439-96-5	Manganese	180	_		P_
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	10.7	B		P_
7440-09-7	Potassium	J 87100	_	E	P_
7782-49-2	Selenium_	2.0	U		P_
7440-22-4	Silver___	1.0	U		P_
7440-23-5	Sodium___	731000	_		P_
7440-28-0	Thallium_	U 2.1	B		P_
7440-62-2	Vanadium_	1.0	U		P_
7440-66-6	Zinc____	5.8	B		P_
_____	Cyanide__	10.0	U		CA
_____	_____	_____	_	_____	__

Color Before: BROWN____ Clarity Before: CLOUDY Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

_____

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_____

VALIDATED

Industrial & Environmental Analysts, Inc. (IEA)

IEA Project #:	2240-108(0)		
IEA Sample #:	9712272-20	Matrix:	Water
Client Name:	Montgomery Watson	Date Received:	12/17/97
Client Proj. I.D.:	1252042 ACS Montgomery Watson	Date Sampled:	12/16/97
Sample I.D.:	ACS-GWMW19-04	Dry Weight:	N/A

Parameter	Method	Quantitation Limits	Results	Date Prepared	Date Analyzed	Analyst
Ammonia-N	EPA 350.3	0.1 mg/L	46.3	N/A	12/21/97	EF
BOD	STD M 5210B	2.0 mg/L	BQL	N/A	12/17/97	JCG
Nitrite	EPA 353.2	0.02 mg/L	BQL	N/A	12/17/97	JCG
Nitrate	EPA 353.2	0.02 mg/L	BQL	N/A	12/18/97	JCG
Orthophosphate	EPA 365.2	UJ 0.02 mg/L	BQL	N/A	12/17/97	JCG
Sulfate	EPA 375.4	2.0 mg/L	11.8	N/A	12/29/97	ALHM
TKN	EPA 351.2	0.1 mg/L	43.7	N/A	12/21/97	EF
TOC	EPA 415.1	1.0 mg/L	16.6	N/A	01/07/98	CT

VALIDATED

Comments:

FORM RESP3 Rev. 030994

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW37-04

Lab Name: AEN-NC Method: SOW 691

DATE SAMPLED: 12/16/97

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971227118

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1223E09.D

Level: (low/med) LOW Date Received: 12/17/97 (1)

% Moisture: not dec. Date Analyzed: 12/24/97 (8)

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CRQL MULTIPLIER = 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
67-64-1	Acetone	R 5	U
71-43-2	Benzene	1	U
74-97-5	Bromochloromethane	1	U
75-27-4	Bromodichloromethane	1	U
75-25-2	Bromoform	1	U
74-83-9	Bromomethane	1	U
78-93-3	2-Butanone	R 5	U
75-15-0	Carbon Disulfide	1	U
56-23-5	Carbon Tetrachloride	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
67-66-3	Chloroform	1	U
74-87-3	Chloromethane	1	U
124-48-1	Dibromochloromethane	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
106-93-4	1,2-Dibromoethane	1	U
95-50-1	1,2-Dichlorobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
75-34-3	1,1-Dichloroethane	1	U
107-06-2	1,2-Dichloroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
156-59-2	Cis-1,2-Dichloroethene	1	U
156-60-5	Trans-1,2-Dichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	Cis-1,3-Dichloropropene	1	U
10061-02-6	Trans-1,3-Dichloropropene	1	U
100-41-4	Ethylbenzene	1	U
591-78-6	2-Hexanone	5	U
75-09-2	Methylene Chloride	2	U
108-10-1	4-Methyl-2-Pentanone	5	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
127-18-4	Tetrachloroethene	1	U

VALIDATED

1LCA

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW37-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971227118

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1223E09.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: not dec. Date Analyzed: 12/24/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	1	U
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	5	U

VALIDATED

1E

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW37-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971227118

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1223E09.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: not dec. Date Analyzed: 12/24/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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VALIDATED

1B

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW37-04

DATE SAMPLED: 12/16/98

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971227118

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0105H12.D

Level: (low/med) LOW Date Received: 12/17/97 (1)

% Moisture: decanted: (Y/N) Date Extracted: 12/19/97 (3)

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98 (18)

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: CARL MULTIPLIER=1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	12	
111-44-4	Bis(2-Chloroethyl)Ether	5	U
95-57-8	2-Chlorophenol	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-Di-N-Propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	Bis(2-Chloroethoxy)Methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-Methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

VALIDATED

1C CLIENT SAMPLE NC

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW37-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971227118

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0105H12.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: decanted: (Y/N) Date Extracted: 12/19/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

VALIDATED

1F

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW37-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971227118

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0105H12.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: decanted: (Y/N) Date Extracted: 12/19/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

VALIDATED

1LCD

CLIENT SAMPLE NO.

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET ACS-GWMW37-04

AEN, INC.-NC

MW37

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

DATE SAMPLED: 12/16/97

Lab Code: IEA Case No.: 2240-108 SDG No.: 12202

Lab Sample ID: 971227118 Date Received: 12/17/97 (1)

Sample wt/vol: 500 (g/mL) ML Date Extracted: 12/22/97 (6)

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/10/98 (19)

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L) CRQL MULTIPLIER = 1.00	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
ACS-GWMW37-04

MW37

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Lab Code: AEN___ Case No:2240_108___ SAS No.: _____ SDG No.: 12202_

Matrix (soil/water): WATER Lab Sample ID: 971227118

Level (low/med): LOW__ Date Received: 12/17/97
12/16/97

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1020			P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	J 51.5	B	E	P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	81000			P
7440-47-3	Chromium	6.2	B		P
7440-48-4	Cobalt	3.1	B		P
7440-50-8	Copper	10.5	B		P
7439-89-6	Iron	J 10600			P
7439-92-1	Lead	6.4		*	P
7439-95-4	Magnesium	J 24600			P
7439-96-5	Manganese	656			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	8.2	B		P
7440-09-7	Potassium	J 1590	B	E	P
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	14000			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	3.2	B		P
7440-66-6	Zinc	18.3	B		P
	Cyanide	10.0	U		CA

Color Before: BROWN____ Clarity Before: CLOUDY Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN

VALIDATED

3/90

013

1LCA

CLIENT SAMPLE NO

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW38-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971219416

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1216E05.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: not dec. Date Analyzed: 12/17/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/l	Q
67-64-1	Acetone	R	5	U
71-43-2	Benzene		1	U
74-97-5	Bromochloromethane		1	U
75-27-4	Bromodichloromethane		1	U
75-25-2	Bromoform		1	U
74-83-9	Bromomethane		1	U
78-93-3	2-Butanone	R	5	U
75-15-0	Carbon Disulfide		1	U
56-23-5	Carbon Tetrachloride		1	U
108-90-7	Chlorobenzene		1	U
75-00-3	Chloroethane	UJ	1	U
67-66-3	Chloroform		1	U
74-87-3	Chloromethane		1	U
124-48-1	Dibromochloromethane		1	U
96-12-8	1,2-Dibromo-3-Chloropropane		1	U
106-93-4	1,2-Dibromoethane		1	U
95-50-1	1,2-Dichlorobenzene		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
75-34-3	1,1-Dichloroethane		1	U
107-06-2	1,2-Dichloroethane		1	U
75-35-4	1,1-Dichloroethene		1	U
156-59-2	Cis-1,2-Dichloroethene		1	U
156-60-5	Trans-1,2-Dichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
10061-01-5	Cis-1,3-Dichloropropene		1	U
10061-02-6	Trans-1,3-Dichloropropene		1	U
100-41-4	Ethylbenzene		1	U
591-78-6	2-Hexanone		5	U
75-09-2	Methylene Chloride	UJ	0.1	J
108-10-1	4-Methyl-2-Pentanone		5	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
127-18-4	Tetrachloroethene		1	U

FORM I VOA

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO

ACS-GWMW38-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971219416

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1216E05.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: not dec. Date Analyzed: 12/17/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	1	U
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	5	U

VALIDATED

1E

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW38-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971219416

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1216E05.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: not dec. Date Analyzed: 12/17/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

1B

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW38-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971219416

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0105H05.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: decanted: (Y/N) Date Extracted: 12/16/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/05/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/l	Q
108-95-2	Phenol		6	
111-44-4	Bis(2-Chloroethyl)Ether		5	U
95-57-8	2-Chlorophenol		5	U
541-73-1	1,3-Dichlorobenzene		5	U
106-46-7	1,4-Dichlorobenzene		5	U
95-50-1	1,2-Dichlorobenzene		5	U
95-48-7	2-Methylphenol		5	U
108-60-1	2,2'-oxybis(1-Chloropropane)		5	U
106-44-5	4-Methylphenol		5	U
621-64-7	N-Nitroso-Di-N-Propylamine		5	U
67-72-1	Hexachloroethane		5	U
98-95-3	Nitrobenzene		5	U
78-59-1	Isophorone		5	U
88-75-5	2-Nitrophenol		5	U
105-67-9	2,4-Dimethylphenol		5	U
111-91-1	Bis(2-Chloroethoxy)Methane		5	U
120-83-2	2,4-Dichlorophenol		5	U
120-82-1	1,2,4-Trichlorobenzene		5	U
91-20-3	Naphthalene		5	U
106-47-8	4-Chloroaniline		5	U
87-68-3	Hexachlorobutadiene	UJ	5	U
59-50-7	4-Chloro-3-Methylphenol		5	U
91-57-6	2-Methylnaphthalene		5	U
77-47-4	Hexachlorocyclopentadiene		5	U
88-06-2	2,4,6-Trichlorophenol		5	U
95-95-4	2,4,5-Trichlorophenol		20	U
91-58-7	2-Chloronaphthalene		5	U
88-74-4	2-Nitroaniline		20	U
131-11-3	Dimethylphthalate		5	U
208-96-8	Acenaphthylene		5	U
606-20-2	2,6-Dinitrotoluene		5	U
99-09-2	3-Nitroaniline		20	U
83-32-9	Acenaphthene		5	U

VALIDATED

1C

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW38-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971219416

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0105H05.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: decanted: (Y/N) Date Extracted: 12/16/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/05/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

1F

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW38-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971219416

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0105H05.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: decanted: (Y/N) Date Extracted: 12/16/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/05/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I SV-TIC

1LCD

CLIENT SAMPLE NO.

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET ACS-GWMW38-04

MW38

Lab Name: INDUSTRIAL & ENVIRONMENTA (IEN, Inc.-NC) Contract: SOW 6/91

DATE SAMPLED: 12/11/97

Lab Code: IEA Case No.: 2240-104 SDG No.: 12155

Lab Sample ID: 971219416 Date Received: 12/11/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/16/97 (5)

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/07/98 (??)

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L) CRQL MULTIPLIER = 1.00	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

VALIDATED

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACS-GWMW38-04

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Code: AEN___ Case No:2240_104___ SAS No.: _____ SDG No.: 12155_

Matrix (soil/water): WATER Lab Sample ID: 971219416

Level (low/med): LOW__ Date Received: 12/12/98

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	u 43.2	B		P_
7440-36-0	Antimony_	1.0	U		P_
7440-38-2	Arsenic__	2.0	U		P_
7440-39-3	Barium___	37.0	B		P_
7440-41-7	Beryllium	1.0	U		P_
7440-43-9	Cadmium__	1.0	U		P_
7440-70-2	Calcium__	57300			P_
7440-47-3	Chromium_	u 2.2	B		P_
7440-48-4	Cobalt___	1.7	B		P_
7440-50-8	Copper___	u 5.5	B		P_
7439-89-6	Iron____	5760			P_
7439-92-1	Lead____	1.0	U		P_
7439-95-4	Magnesium	19200			P_
7439-96-5	Manganese	575			P_
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	u 6.7	B		P_
7440-09-7	Potassium	J 534	B	E	P_
7782-49-2	Selenium_	2.0	U		P_
7440-22-4	Silver___	1.0	U		P_
7440-23-5	Sodium___	5920			P_
7440-28-0	Thallium_	2.0	U		P_
7440-62-2	Vanadium_	2.7	B		P_
7440-66-6	Zinc____	35.3			P_
_____	Cyanide__	10.0	U		CA
_____	_____	_____	_	_____	__

Color Before: BROWN____ Clarity Before: CLOUDY Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

_____

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VALIDATED

Industrial & Environmental Analysts, Inc. (IEA)

IEA Project #:	2240-104(0)		
IEA Sample #:	9712201-16	Matrix:	Water
Client Name:	Montgomery Watson	Date Received:	12/12/97
Client Proj. I.D.:	1252042 ACS Montgomery Watson	Date Sampled:	12/11/97
Sample I.D.:	ACS-GWMW38-04	Dry Weight:	N/A

Parameter	Method	Quantitation Limits	Results	Date Prepared	Date Analyzed	Analyst
Ammonia-N	EPA 350.3	0.1 mg/L	0.281	N/A	12/15/97	EF
BOD	STD M 5210B	2.0 mg/L	BQL	N/A	12/12/97	JCG
Nitrite	EPA 353.2	0.02 mg/L	BQL	N/A	12/12/97	JCG
Nitrate	EPA 353.2	0.02 mg/L	BQL	N/A	12/12/97	JCG
Orthophosphate	EPA 365.2	0.02 mg/L	BQL UJ	N/A	12/12/97	JCG
Sulfate	EPA 375.4	2.0 mg/L	23.8	N/A	12/15/97	ALHM
TKN	EPA 351.2	0.1 mg/L	0.752	N/A	12/15/97	EF
TOC	EPA 415.1	1.0 mg/L	10.0	N/A	12/16/97	CT

VALIDATED

Comments:

FORM RESP3 Rev. 030994

1LCA

CLIENT SAMPLE NO

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW39-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971219417

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1216E06.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: not dec. Date Analyzed: 12/17/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/l	Q
67-64-1	Acetone	R	5	U
71-43-2	Benzene	J	4	
74-97-5	Bromochloromethane		1	U
75-27-4	Bromodichloromethane		1	U
75-25-2	Bromoform		1	U
74-83-9	Bromomethane		1	U
78-93-3	2-Butanone	R	5	U
75-15-0	Carbon Disulfide		1	U
56-23-5	Carbon Tetrachloride		1	U
108-90-7	Chlorobenzene		1	U
75-00-3	Chloroethane	J	2	
67-66-3	Chloroform		1	U
74-87-3	Chloromethane		1	U
124-48-1	Dibromochloromethane		1	U
96-12-8	1,2-Dibromo-3-Chloropropane		1	U
106-93-4	1,2-Dibromoethane		1	U
95-50-1	1,2-Dichlorobenzene		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
75-34-3	1,1-Dichloroethane		0.3	J
107-06-2	1,2-Dichloroethane		0.2	J
75-35-4	1,1-Dichloroethene		1	U
156-59-2	Cis-1,2-Dichloroethene		1	U
156-60-5	Trans-1,2-Dichloroethene		3	
78-87-5	1,2-Dichloropropane		1	U
10061-01-5	Cis-1,3-Dichloropropene		1	U
10061-02-6	Trans-1,3-Dichloropropene		1	U
100-41-4	Ethylbenzene		1	U
591-78-6	2-Hexanone		5	U
75-09-2	Methylene Chloride		2	U
108-10-1	4-Methyl-2-Pentanone		5	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
127-18-4	Tetrachloroethene		1	U

1LCA

CLIENT SAMPLE NO

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW39-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971219417

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1216E06.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: not dec. Date Analyzed: 12/17/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	1	U
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	0.7	J
1330-20-7	Xylene (Total)	5	U

1E

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW39-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971219417

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1216E06.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: not dec. Date Analyzed: 12/17/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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1B

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW39-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971219417

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0105H06.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: decanted: (Y/N) Date Extracted: 12/16/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	10	
111-44-4	Bis(2-Chloroethyl)Ether	5	U
95-57-8	2-Chlorophenol	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-Di-N-Propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	Bis(2-Chloroethoxy)Methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-Methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

VALIDATED

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW39-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971219417

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0105H06.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: decanted: (Y/N) Date Extracted: 12/16/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

1F

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW39-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971219417

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0105H06.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: decanted: (Y/N) Date Extracted: 12/16/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
ACS-GWMW39-04

MW39

AEN, INC.-NC

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

DATE SAMPLED: 12/11/97

Lab Code: IEA Case No.: 2240-104 SDG No.: 12155

Lab Sample ID: 971219417 Date Received: 12/12/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/16/97 (5)

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/07/98 (22)

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L) CRDL MULTIPLIER=1.00	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

VALIDATED

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACS-02MW39-04

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Code: AEN___ Case No:2240_104___ SAS No.: _____ SDG No.: 12155_

Matrix (soil/water): WATER Lab Sample ID: 971219417

Level (low/med): LOW__ Date Received: 12/12/98

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	u 42.6	B		P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	75.8	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	115000			P
7440-47-3	Chromium	u 2.2	B		P
7440-48-4	Cobalt	1.0	U		P
7440-50-8	Copper	u 4.7	B		P
7439-89-6	Iron	7620			P
7439-92-1	Lead	1.0	U		P
7439-95-4	Magnesium	19700			P
7439-96-5	Manganese	801			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	u 4.7	B		P
7440-09-7	Potassium	J 6830		E	P
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	131000			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	1.0	U		P
7440-66-6	Zinc	u 10.1	B		P
	Cyanide	10.0	U		CA

Color Before: BROWN____ Clarity Before: CLOUDY Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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VALIDATED

Industrial & Environmental Analysts, Inc. (IEA)

IEA Project #: 2240-104(0)
IEA Sample #: 9712201-17 Matrix: Water
Client Name: Montgomery Watson Date Received: 12/12/97
Client Proj. I.D.: 1252042 ACS Montgomery Watson Date Sampled: 12/11/97
Sample I.D.: ACS-GWMW39-04 Dry Weight: N/A

Parameter	Method	Quantitation Limits	Results	Date Prepared	Date Analyzed	Analyst
Ammonia-N	EPA 350.3	0.1 mg/L	3.29	N/A	12/15/97	EF
BOD	STD M 5210B	2.0 mg/L	3.2	N/A	12/12/97	JCG
Nitrite	EPA 353.2	0.02 mg/L	BQL	N/A	12/12/97	JCG
Nitrate	EPA 353.2	0.02 mg/L	BQL	N/A	12/12/97	JCG
Orthophosphate	EPA 365.2	0.02 mg/L	BQL UJ	N/A	12/12/97	JCG
Sulfate	EPA 375.4	2.0 mg/L	9.67	N/A	12/15/97	ALHM
TKN	EPA 351.2	0.1 mg/L	3.41	N/A	12/15/97	EF
TOC	EPA 415.1	1.0 mg/L	6.47	N/A	12/16/97	CT

VALIDATED

Comments:

FORM RESP3 Rev. 030994

1LCA

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW40-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971219418

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1216E07.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: not dec. Date Analyzed: 12/17/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/l	Q
67-64-1	Acetone	R	5	U
71-43-2	Benzene		1	U
74-97-5	Bromochloromethane		1	U
75-27-4	Bromodichloromethane		1	U
75-25-2	Bromoform		1	U
74-83-9	Bromomethane		1	U
78-93-3	2-Butanone	R	5	U
75-15-0	Carbon Disulfide		1	U
56-23-5	Carbon Tetrachloride		1	U
108-90-7	Chlorobenzene		1	U
75-00-3	Chloroethane	UJ	1	U
67-66-3	Chloroform		1	U
74-87-3	Chloromethane		1	U
124-48-1	Dibromochloromethane		1	U
96-12-8	1,2-Dibromo-3-Chloropropane		1	U
106-93-4	1,2-Dibromoethane		1	U
95-50-1	1,2-Dichlorobenzene		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
75-34-3	1,1-Dichloroethane		1	U
107-06-2	1,2-Dichloroethane		1	U
75-35-4	1,1-Dichloroethene		1	U
156-59-2	Cis-1,2-Dichloroethene		1	U
156-60-5	Trans-1,2-Dichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
10061-01-5	Cis-1,3-Dichloropropene		1	U
10061-02-6	Trans-1,3-Dichloropropene		1	U
100-41-4	Ethylbenzene		1	U
591-78-6	2-Hexanone		5	U
75-09-2	Methylene Chloride		2	U
108-10-1	4-Methyl-2-Pentanone		5	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
127-18-4	Tetrachloroethene		1	U

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW40-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971219418

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1216E07.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: not dec. Date Analyzed: 12/17/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	1	U
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	5	U

1E

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.
ACS-GWMW40-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG.No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971219418

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1216E07.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: not dec. Date Analyzed: 12/17/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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VALIDATED

1B

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW40-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971219418

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0105H07.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: decanted: (Y/N) Date Extracted: 12/16/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	17	
111-44-4	Bis(2-Chloroethyl)Ether	5	U
95-57-8	2-Chlorophenol	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-Di-N-Propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	Bis(2-Chloroethoxy)Methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-Methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW40-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971219418

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0105H07.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: decanted: (Y/N) Date Extracted: 12/16/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

1F

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW40-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971219418

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0105H07.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: decanted: (Y/N) Date Extracted: 12/16/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I SV-TIC

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
ACS-GWMW40-04

MW40

Lab Name: INDUSTRIAL & ENVIRONMENTA (AEN, Inc.-NC) Contract: SOW 6/91

DATE SAMPLED: 12/11/97

Lab Code: IEA Case No.: 2240-104 SDG No.: 12155

Lab Sample ID: 971219418 Date Received: 12/12/97 D

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/16/97 5

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/07/98 22

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L) CRQL MULTIPLIER=1.00	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

VALIDATED

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW40-04

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Code: AEN___ Case No:2240_104___ SAS No.: _____ SDG No.: 12155_

Matrix (soil/water): WATER Lab Sample ID: 971219418

Level (low/med): LOW__ Date Received: 12/12/98

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	814			P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	28.9	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	32300			P
7440-47-3	Chromium	u 6.4	B		P
7440-48-4	Cobalt	1.7	B		P
7440-50-8	Copper	u 7.9	B		P
7439-89-6	Iron	2220			P
7439-92-1	Lead	2.6	B		P
7439-95-4	Magnesium	10900			P
7439-96-5	Manganese	389			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	u 7.2	B		P
7440-09-7	Potassium	5 1100	B	E	P
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	3630	B		P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	2.6	B		P
7440-66-6	Zinc	u 14.3	B		P
	Cyanide	10.0	U		CA

Color Before: BROWN____ Clarity Before: CLOUDY Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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VALIDATED

Industrial & Environmental Analysts, Inc. (IEA)

IEA Project #: 2240-104(0)
IEA Sample #: 9712201-18 Matrix: Water
Client Name: Montgomery Watson Date Received: 12/12/97
Client Proj. I.D.: 1252042 ACS Montgomery Watson Date Sampled: 12/11/97
Sample I.D.: ACS-GWMW40-04 Dry Weight: N/A

Parameter	Method	Quantitation Limits	Results	Date Prepared	Date Analyzed	Analyst
Ammonia-N	EPA 350.3	0.1 mg/L	BQL	N/A	12/15/97	EF
BOD	STD M 5210B	2.0 mg/L	BQL	N/A	12/12/97	JCG
Nitrite	EPA 353.2	0.02 mg/L	BQL	N/A	12/12/97	JCG
Nitrate	EPA 353.2	0.02 mg/L	BQL	N/A	12/12/97	JCG
Orthophosphate	EPA 365.2	0.02 mg/L	BQL	N/A	12/12/97	JCG
Sulfate	EPA 375.4	2.0 mg/L	47.2	N/A	12/15/97	ALHM
TKN	EPA 351.2	0.1 mg/L	0.230	N/A	12/15/97	EF
TOC	EPA 415.1	1.0 mg/L	4.09	N/A	12/16/97	CT

VALIDATED

Comments:

FORM RESP3 Rev. 030994

1LCA

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW40-94

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971219419

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1216E08.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: not dec. Date Analyzed: 12/17/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/l	Q
67-64-1	Acetone	R	5	U
71-43-2	Benzene		1	U
74-97-5	Bromochloromethane		1	U
75-27-4	Bromodichloromethane		1	U
75-25-2	Bromoform		1	U
74-83-9	Bromomethane		1	U
78-93-3	2-Butanone	R	5	U
75-15-0	Carbon Disulfide		1	U
56-23-5	Carbon Tetrachloride		1	U
108-90-7	Chlorobenzene		1	U
75-00-3	Chloroethane	UJ	1	U
67-66-3	Chloroform		1	U
74-87-3	Chloromethane		1	U
124-48-1	Dibromochloromethane		1	U
96-12-8	1,2-Dibromo-3-Chloropropane		1	U
106-93-4	1,2-Dibromoethane		1	U
95-50-1	1,2-Dichlorobenzene		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
75-34-3	1,1-Dichloroethane		1	U
107-06-2	1,2-Dichloroethane		1	U
75-35-4	1,1-Dichloroethene		1	U
156-59-2	Cis-1,2-Dichloroethene		1	U
156-60-5	Trans-1,2-Dichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
10061-01-5	Cis-1,3-Dichloropropene		1	U
10061-02-6	Trans-1,3-Dichloropropene		1	U
100-41-4	Ethylbenzene		1	U
591-78-6	2-Hexanone		5	U
75-09-2	Methylene Chloride		2	U
108-10-1	4-Methyl-2-Pentanone		5	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
127-18-4	Tetrachloroethene		1	U

1LCA CLIENT SAMPLE NO

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW40-94

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971219419

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1216E08.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: not dec. Date Analyzed: 12/17/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	1	U
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	5	U

VALIDATED

1E

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW40-94

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971219419

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1216E08.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: not dec. Date Analyzed: 12/17/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

VALIDATED

1B CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW40-94

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971219419

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0105H08.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: decanted: (Y/N) Date Extracted: 12/16/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l		Q
108-95-2	Phenol		18	
111-44-4	Bis(2-Chloroethyl)Ether		5	U
95-57-8	2-Chlorophenol		5	U
541-73-1	1,3-Dichlorobenzene		5	U
106-46-7	1,4-Dichlorobenzene		5	U
95-50-1	1,2-Dichlorobenzene		5	U
95-48-7	2-Methylphenol		5	U
108-60-1	2,2'-oxybis(1-Chloropropane)		5	U
106-44-5	4-Methylphenol		5	U
621-64-7	N-Nitroso-Di-N-Propylamine		5	U
67-72-1	Hexachloroethane		5	U
98-95-3	Nitrobenzene		5	U
78-59-1	Isophorone		5	U
88-75-5	2-Nitrophenol		5	U
105-67-9	2,4-Dimethylphenol		5	U
111-91-1	Bis(2-Chloroethoxy)Methane		5	U
120-83-2	2,4-Dichlorophenol		5	U
120-82-1	1,2,4-Trichlorobenzene		5	U
91-20-3	Naphthalene		5	U
106-47-8	4-Chloroaniline		5	U
87-68-3	Hexachlorobutadiene		5	U
59-50-7	4-Chloro-3-Methylphenol		5	U
91-57-6	2-Methylnaphthalene		5	U
77-47-4	Hexachlorocyclopentadiene	UJ	5	U
88-06-2	2,4,6-Trichlorophenol		5	U
95-95-4	2,4,5-Trichlorophenol		20	U
91-58-7	2-Chloronaphthalene		5	U
88-74-4	2-Nitroaniline		20	U
131-11-3	Dimethylphthalate		0.8	J
208-96-8	Acenaphthylene		5	U
606-20-2	2,6-Dinitrotoluene		5	U
99-09-2	3-Nitroaniline		20	U
83-32-9	Acenaphthene		5	U

VALIDATED

1C CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW40-94

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971219419

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0105H08.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: decanted: (Y/N) Date Extracted: 12/16/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

1F

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW40-94

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971219419

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0105H08.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: decanted: (Y/N) Date Extracted: 12/16/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I SV-TIC

1LCD

CLIENT SAMPLE NO.

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET ACS-GWMW40-94

AEN, Inc. - NC

MW409

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

DATE SAMPLED: 12/11/97

Lab Code: IEA Case No.: 2240-104 SDG No.: 12155

Lab Sample ID: 971219419 Date Received: 12/12/97 (1)

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/16/97 (5)

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/07/98 (22)

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L) CRQL MULTIPLIER=1.00 Q	
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

VALIDATED

EPA SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

ACS-GWMW90-94
~~ACS-GW~~MW409

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Code: AEN___ Case No:2240_104___ SAS No.: _____ SDG No.: 12155_

Matrix (soil/water): WATER Lab Sample ID: 971219419

Level (low/med): LOW__ Date Received: 12/12/98

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	601			P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	27.1	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	32600			P
7440-47-3	Chromium	u 3.5	B		P
7440-48-4	Cobalt	1.5	B		P
7440-50-8	Copper	u 6.3	B		P
7439-89-6	Iron	1970			P
7439-92-1	Lead	2.8	B		P
7439-95-4	Magnesium	10800			P
7439-96-5	Manganese	395			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	u 5.6	B		P
7440-09-7	Potassium	J 1040	B	E	P
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	3690	B		P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	2.2	B		P
7440-66-6	Zinc	u 12.0	B		P
	Cyanide	10.0	U		CA

Color Before: BROWN____ Clarity Before: CLOUDY Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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VALIDATED

Industrial & Environmental Analysts, Inc. (IEA)

IEA Project #: 2240-104(0)
IEA Sample #: 9712201-19 Matrix: Water
Client Name: Montgomery Watson Date Received: 12/12/97
Client Proj. I.D.: 1252042 ACS Montgomery Watson Date Sampled: 12/11/97
Sample I.D.: ACS-GWMW40-94 Dry Weight: N/A

Parameter	Method	Quantitation Limits	Results	Date Prepared	Date Analyzed	Analyst
Ammonia-N	EPA 350.3	0.1 mg/L	BQL	N/A	12/15/97	EF
BOD	STD M 5210B	2.0 mg/L	BQL	N/A	12/12/97	JCG
Nitrite	EPA 353.2	0.02 mg/L	BQL	N/A	12/12/97	JCG
Nitrate	EPA 353.2	0.02 mg/L	BQL	N/A	12/12/97	JCG
Orthophosphate	EPA 365.2	0.02 mg/L	BQL UJ	N/A	12/12/97	JCG
Sulfate	EPA 375.4	2.0 mg/L	47.2	N/A	12/15/97	ALHM
TKN	EPA 351.2	0.1 mg/L	0.219	N/A	12/15/97	EF
TOC	EPA 415.1	1.0 mg/L	3.79	N/A	12/22/97	CT

VALIDATED

Comments:

FORM RESP3 Rev. 030994

VALIDATED

1LCA

CLIENT SAMPLE NO

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW41-04

Lab Name: AEN-NC Method: SOW 691

DATE SAMPLED: 12/11/97

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971220201

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1217505.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: not dec. Date Analyzed: 12/17/97 (6)

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CRQL MULTIPLIER= 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l		Q
67-64-1	Acetone	R	5	U
71-43-2	Benzene		1	U
74-97-5	Bromochloromethane		1	U
75-27-4	Bromodichloromethane		1	U
75-25-2	Bromoform		1	U
74-83-9	Bromomethane		1	U
78-93-3	2-Butanone	R	5	U
75-15-0	Carbon Disulfide		1	U
56-23-5	Carbon Tetrachloride		1	U
108-90-7	Chlorobenzene		1	U
75-00-3	Chloroethane		1	U
67-66-3	Chloroform		1	U
74-87-3	Chloromethane		1	U
124-48-1	Dibromochloromethane		1	U
96-12-8	1,2-Dibromo-3-Chloropropane		1	U
106-93-4	1,2-Dibromoethane		1	U
95-50-1	1,2-Dichlorobenzene		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
75-34-3	1,1-Dichloroethane		1	U
107-06-2	1,2-Dichloroethane		1	U
75-35-4	1,1-Dichloroethene		1	U
156-59-2	Cis-1,2-Dichloroethene		1	U
156-60-5	Trans-1,2-Dichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
10061-01-5	Cis-1,3-Dichloropropene		1	U
10061-02-6	Trans-1,3-Dichloropropene		1	U
100-41-4	Ethylbenzene		1	U
591-78-6	2-Hexanone		5	U
75-09-2	Methylene Chloride		2	U
108-10-1	4-Methyl-2-Pentanone		5	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
127-18-4	Tetrachloroethene		1	U

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO

ACS-GWMW41-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971220201

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1217505.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: not dec. Date Analyzed: 12/17/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	0.2	J
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	5	U

VALIDATED

1E
LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACS-GWMW41-04

Lab Name: AEN-NC   Method: SOW 691

Lab Code: AEN   Case No.: 2240-108   SDG No.: 12202

Matrix: (soil/water) WATER   Lab Sample ID: 971220201

Sample wt/vol: 25 (g/mL) ml   Lab File ID: 1217505.D

Level: (low/med) LOW   Date Received: 12/12/97

% Moisture: not dec.   Date Analyzed: 12/17/97

GC Column: DB-624 ID: .53 (mm)   Dilution Factor: 1.0

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

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

VALIDATED

1B

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW41-04

Lab Name: AEN-NC Method: SOW 691

DATE SAMPLED: 12/11/97

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971220201

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0106H14.D

Level: (low/med) LOW Date Received: 12/12/97 D

% Moisture: decanted: (Y/N) Date Extracted: 12/16/97 5

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98 21

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: CRQL MULTIPLIER = 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	5	U
111-44-4	Bis(2-Chloroethyl)Ether	5	U
95-57-8	2-Chlorophenol	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-Di-N-Propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	Bis(2-Chloroethoxy)Methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-Methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

VALIDATED

1C

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW41-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971220201

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0106H14.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: decanted: (Y/N) Date Extracted: 12/16/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	J 0.5	J
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

VALIDATED

1F

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW41-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971220201

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0106H14.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: decanted: (Y/N) Date Extracted: 12/16/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I SV-TIC

VALIDATED

1LCD

CLIENT SAMPLE NO.

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET ACS-GWMW41-04

MW41

AEN, INC.

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

DATE SAMPLED: 12/11/97

Lab Code: IEA Case No.: 2240-108 SDG No.: 12202

Lab Sample ID: 971220201 Date Received: 12/12/97 (1)

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/16/97 (5)

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/08/98 (23)

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L) CAQL MULTIPLIER=1.00	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
ACS-GWMW41-04

MW41

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Lab Code: AEN___ Case No:2240_108___ SAS No.: _____ SDG No.: 12202_

Matrix (soil/water): WATER Lab Sample ID: 971220201

Level (low/med): LOW__ Date Received: 12/12/97
12/11/97

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	339			P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	J 34.3	B	E	P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	90500			P
7440-47-3	Chromium	12.2			P
7440-48-4	Cobalt	1.0	U		P
7440-50-8	Copper	8.2	B		P
7439-89-6	Iron	J 592			P
7439-92-1	Lead	2.6	B	*	P
7439-95-4	Magnesium	J 23700			P
7439-96-5	Manganese	223			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	10.8	B		P
7440-09-7	Potassium	J 756	B	E	P
7782-49-2	Selenium	U 7.9			P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	3800	B		P
7440-28-0	Thallium	U 2.6	B		P
7440-62-2	Vanadium	1.2	B		P
7440-66-6	Zinc	26.4			P
_____	Cyanide	10.0	U		CA
_____	_____	_____	_	_____	_

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

_____

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_____

FORM I - IN

3/90

VALIDATED

Industrial & Environmental Analysts, Inc. (IEA)

IEA Project #:	2240-108(0)		
IEA Sample #:	9712203-01	Matrix:	Water
Client Name:	Montgomery Watson	Date Received:	12/12/97
Client Proj. I.D.:	1252042 ACS Montgomery Watson	Date Sampled:	12/11/97
Sample I.D.:	ACS-GWMW41-04	Dry Weight:	N/A

Parameter	Method	Quantitation Limits	Results	Date Prepared	Date Analyzed	Analyst
Ammonia-N	EPA 350.3	0.1 mg/L	BQL	N/A	12/15/97	EF
BOD	STD M 5210B	2.0 mg/L	BQL	N/A	12/12/97	JCG
Nitrite	EPA 353.2	0.02 mg/L	BQL	N/A	12/12/97	JCG
Nitrate	EPA 353.2	0.02 mg/L	BQL	N/A	12/12/97	JCG
Orthophosphate	EPA 365.2	UJ 0.02 mg/L	BQL	N/A	12/12/97	JCG
Sulfate	EPA 375.4	2.0 mg/L	38.6	N/A	12/15/97	ALHM
TKN	EPA 351.2	0.1 mg/L	0.223	N/A	12/15/97	EF
TOC	EPA 415.1	1.0 mg/L	2.09	N/A	12/22/97	CT

VALIDATED

Comments:

FORM RESP3 Rev. 030994

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW42-04

Lab Name: AEN-NC Method: SOW 691

DATE SAMPLED: 12/15/97

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971225013

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1217E13.D

Level: (low/med) LOW Date Received: 12/16/97

% Moisture: not dec. Date Analyzed: 12/18/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CRQL MULTIPLIER = 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l		Q
67-64-1	Acetone	R	5	U
71-43-2	Benzene		1	U
74-97-5	Bromochloromethane		1	U
75-27-4	Bromodichloromethane		1	U
75-25-2	Bromoform		1	U
74-83-9	Bromomethane		1	U
78-93-3	2-Butanone	R	5	U
75-15-0	Carbon Disulfide		1	U
56-23-5	Carbon Tetrachloride		1	U
108-90-7	Chlorobenzene		1	U
75-00-3	Chloroethane	J	0.9	J
67-66-3	Chloroform		1	U
74-87-3	Chloromethane		1	U
124-48-1	Dibromochloromethane		1	U
96-12-8	1,2-Dibromo-3-Chloropropane		1	U
106-93-4	1,2-Dibromoethane		1	U
95-50-1	1,2-Dichlorobenzene		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
75-34-3	1,1-Dichloroethane		1	U
107-06-2	1,2-Dichloroethane		1	U
75-35-4	1,1-Dichloroethene		1	U
156-59-2	Cis-1,2-Dichloroethene		1	U
156-60-5	Trans-1,2-Dichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
10061-01-5	Cis-1,3-Dichloropropene		1	U
10061-02-6	Trans-1,3-Dichloropropene		1	U
100-41-4	Ethylbenzene		1	U
591-78-6	2-Hexanone		5	U
75-09-2	Methylene Chloride	24	0.1	J
108-10-1	4-Methyl-2-Pentanone		5	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
127-18-4	Tetrachloroethene		1	U

VALIDATED

1LCA

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW42-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971225013

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1217E13.D

Level: (low/med) LOW Date Received: 12/16/97

% Moisture: not dec. Date Analyzed: 12/18/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	1	U
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	5	U

VALIDATED

1E

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW42-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971225013

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1217E13.D

Level: (low/med) LOW Date Received: 12/16/97

% Moisture: not dec. Date Analyzed: 12/18/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

VALIDATED

1B

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW42-04

Lab Name: AEN-NC Method: SOW 691

DATE SAMPLED: 12/15/97

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971225013

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0107814.D

Level: (low/med) LOW Date Received: 12/16/97

% Moisture: decanted: (Y/N) Date Extracted: 12/17/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/07/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: CRQL MULTIPLIER = 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l		Q
108-95-2	Phenol	U	5	U
111-44-4	Bis(2-Chloroethyl)Ether		5	U
95-57-8	2-Chlorophenol		5	U
541-73-1	1,3-Dichlorobenzene		5	U
106-46-7	1,4-Dichlorobenzene		5	U
95-50-1	1,2-Dichlorobenzene		5	U
95-48-7	2-Methylphenol		5	U
108-60-1	2,2'-oxybis(1-Chloropropane)		5	U
106-44-5	4-Methylphenol		5	U
621-64-7	N-Nitroso-Di-N-Propylamine		5	U
67-72-1	Hexachloroethane		5	U
98-95-3	Nitrobenzene		5	U
78-59-1	Isophorone		5	U
88-75-5	2-Nitrophenol		5	U
105-67-9	2,4-Dimethylphenol		5	U
111-91-1	Bis(2-Chloroethoxy)Methane		5	U
120-83-2	2,4-Dichlorophenol		5	U
120-82-1	1,2,4-Trichlorobenzene		5	U
91-20-3	Naphthalene		5	U
106-47-8	4-Chloroaniline		5	U
87-68-3	Hexachlorobutadiene		5	U
59-50-7	4-Chloro-3-Methylphenol		5	U
91-57-6	2-Methylnaphthalene		5	U
77-47-4	Hexachlorocyclopentadiene		5	U
88-06-2	2,4,6-Trichlorophenol		5	U
95-95-4	2,4,5-Trichlorophenol		20	U
91-58-7	2-Chloronaphthalene		5	U
88-74-4	2-Nitroaniline		20	U
131-11-3	Dimethylphthalate		5	U
208-96-8	Acenaphthylene		5	U
606-20-2	2,6-Dinitrotoluene		5	U
99-09-2	3-Nitroaniline		20	U
83-32-9	Acenaphthene		5	U

VALIDATED

1C

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW42-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971225013

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0107814.D

Level: (low/med) LOW Date Received: 12/16/97

% Moisture: decanted: (Y/N) Date Extracted: 12/17/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/07/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

VALIDATED

1F

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW42-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971225013

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0107814.D

Level: (low/med) LOW Date Received: 12/16/97

% Moisture: decanted: (Y/N) Date Extracted: 12/17/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/07/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I SV-TIC

VALIDATED

1LCD

CLIENT SAMPLE NO.

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET ACS-GWMW42-04

MW42

Lab Name: INDUSTRIAL & ENVIRONMENTA (AEN, INC-NC) Contract: SOW 6/91

Lab Code: IEA Case No.: 2240-108 SDG No.: 12202

DATE SAMPLED: 12/15/97

Lab Sample ID: 971225013 Date Received: 12/16/97 (1)

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/17/97 (2)

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/10/98 (3-4)

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L) CRQL MULTIPLIER=1.00	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
ACS-GWMW42-04

MW42

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Lab Code: AEN___ Case No:2240_108___ SAS No.: _____ SDG No.: 12202_

Matrix (soil/water): WATER Lab Sample ID: 971225013

Level (low/med): LOW__ Date Received: 12/16/97
12/15/97

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	415			P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	J 68.0	B	E	P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	108000			P
7440-47-3	Chromium	6.0	B		P
7440-48-4	Cobalt	1.3	B		P
7440-50-8	Copper	45.5			P
7439-89-6	Iron	J 4280			P
7439-92-1	Lead	1.0	U	*	P
7439-95-4	Magnesium	J 39400			P
7439-96-5	Manganese	613			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	4.3	B		P
7440-09-7	Potassium	J 1180	B	E	P
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	14300			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	1.0	U		P
7440-66-6	Zinc	9.2	B		P
	Cyanide	10.0	U		CA

Color Before: BROWN____ Clarity Before: CLOUDY Texture: _____

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

_____

_____

_____

_____

VALIDATED

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW43-04

DATE SAMPLED: 12/15/97

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971225014

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1217E14.D

Level: (low/med) LOW Date Received: 12/16/97

% Moisture: not dec. Date Analyzed: 12/18/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAQL MULTIPLIER = 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/l	Q
67-64-1	Acetone	R	5	U
71-43-2	Benzene		1	U
74-97-5	Bromochloromethane		1	U
75-27-4	Bromodichloromethane		1	U
75-25-2	Bromoform		1	U
74-83-9	Bromomethane		1	U
78-93-3	2-Butanone	R	5	U
75-15-0	Carbon Disulfide		1	U
56-23-5	Carbon Tetrachloride		1	U
108-90-7	Chlorobenzene		1	U
75-00-3	Chloroethane		1	U
67-66-3	Chloroform		1	U
74-87-3	Chloromethane		1	U
124-48-1	Dibromochloromethane		1	U
96-12-8	1,2-Dibromo-3-Chloropropane		1	U
106-93-4	1,2-Dibromoethane		1	U
95-50-1	1,2-Dichlorobenzene		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
75-34-3	1,1-Dichloroethane		1	U
107-06-2	1,2-Dichloroethane		1	U
75-35-4	1,1-Dichloroethene		1	U
156-59-2	Cis-1,2-Dichloroethene		1	U
156-60-5	Trans-1,2-Dichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
10061-01-5	Cis-1,3-Dichloropropene		1	U
10061-02-6	Trans-1,3-Dichloropropene		1	U
100-41-4	Ethylbenzene		1	U
591-78-6	2-Hexanone		5	U
75-09-2	Methylene Chloride	ZH	0.1	J
108-10-1	4-Methyl-2-Pentanone		5	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
127-18-4	Tetrachloroethene		1	U

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW43-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971225014

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1217E14.D

Level: (low/med) LOW Date Received: 12/16/97

% Moisture: not dec. Date Analyzed: 12/18/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	14 0.2	J
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	5	U

VALIDATED

1E

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACS-GWMW43-04

Lab Name: AEN-NC   Method: SOW 691

Lab Code: AEN   Case No.: 2240-108   SDG No.: 12202

Matrix: (soil/water) WATER   Lab Sample ID: 971225014

Sample wt/vol: 25 (g/mL) ml   Lab File ID: 1217E14.D

Level: (low/med) LOW   Date Received: 12/16/97

% Moisture: not dec.   Date Analyzed: 12/18/97

GC Column: DB-624 ID: .53(mm)   Dilution Factor: 1.0

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

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

VALIDATED

1B

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW43-04

Lab Name: AEN-NC Method: SOW 691

DATE SAMPLED: 12/15/97

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971225014

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0107815.D

Level: (low/med) LOW Date Received: 12/16/97 (1)

% Moisture: decanted: (Y/N) Date Extracted: 12/17/97 (2)

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/07/98 (3)

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: CRQL MULTIPLIER = 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	12	
111-44-4	Bis(2-Chloroethyl)Ether	5	U
95-57-8	2-Chlorophenol	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-Di-N-Propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	Bis(2-Chloroethoxy)Methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-Methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

VALIDATED

1C

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW43-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971225014

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0107815.D

Level: (low/med) LOW Date Received: 12/16/97

% Moisture: decanted: (Y/N) Date Extracted: 12/17/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/07/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

VALIDATED

1F

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO

ACS-GWMW43-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971225014

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0107815.D

Level: (low/med) LOW Date Received: 12/16/97

% Moisture: decanted: (Y/N) Date Extracted: 12/17/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/07/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I SV-TIC

VALIDATED

1LCD

CLIENT SAMPLE NO.

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET ACS-GWMW43-04

AEN-INC.-NC

MW43

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

DATE SAMPLED: 12/15/97

Lab Code: IEA Case No.: 2240-108 SDG No.: 12202

Lab Sample ID: 971225014 Date Received: 12/16/97 (1)

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/17/97 (2)

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/10/98 (24)

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L) CRQL MULTIPLIER = 1.00 Q	
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
ACS-GWMW43-04

MW43

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Lab Code: AEN___ Case No:2240_108___ SAS No.: _____ SDG No.: 12202_

Matrix (soil/water): WATER Lab Sample ID: 971225014

Level (low/med): LOW__ Date Received: 12/16/97
12/15/97

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8090			P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	40.2			P
7440-39-3	Barium	J 93.0	B	E	P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	115000			P
7440-47-3	Chromium	25.3			P
7440-48-4	Cobalt	11.4	B		P
7440-50-8	Copper	41.7			P
7439-89-6	Iron	J 31700			P
7439-92-1	Lead	18.7		*	P
7439-95-4	Magnesium	J 51700			P
7439-96-5	Manganese	605			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	27.5	B		P
7440-09-7	Potassium	J 3670	B	E	P
7782-49-2	Selenium	U 3.8	B		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	10700			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	19.9	B		P
7440-66-6	Zinc	55.9			P
	Cyanide	10.0	U		CA

Color Before: BROWN____ Clarity Before: CLOUDY Texture: _____

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

_____

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FORM I - IN

3/90

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW44-04

12/16/97

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971227304

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1223E05.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: not dec. Date Analyzed: 12/23/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/l	Q
67-64-1	Acetone	R	5	U
71-43-2	Benzene		1	U
74-97-5	Bromochloromethane		1	U
75-27-4	Bromodichloromethane		1	U
75-25-2	Bromoform		1	U
74-83-9	Bromomethane		1	U
78-93-3	2-Butanone	R	5	U
75-15-0	Carbon Disulfide		1	U
56-23-5	Carbon Tetrachloride		1	U
108-90-7	Chlorobenzene		1	U
75-00-3	Chloroethane		1	U
67-66-3	Chloroform		1	U
74-87-3	Chloromethane		1	U
124-48-1	Dibromochloromethane		1	U
96-12-8	1,2-Dibromo-3-Chloropropane		1	U
106-93-4	1,2-Dibromoethane		1	U
95-50-1	1,2-Dichlorobenzene		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
75-34-3	1,1-Dichloroethane		1	U
107-06-2	1,2-Dichloroethane		1	U
75-35-4	1,1-Dichloroethene		1	U
156-59-2	Cis-1,2-Dichloroethene		1	U
156-60-5	Trans-1,2-Dichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
10061-01-5	Cis-1,3-Dichloropropene		1	U
10061-02-6	Trans-1,3-Dichloropropene		1	U
100-41-4	Ethylbenzene		1	U
591-78-6	2-Hexanone		5	U
75-09-2	Methylene Chloride		2	U
108-10-1	4-Methyl-2-Pentanone		5	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
127-18-4	Tetrachloroethene		1	U

1LCA

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW44-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971227304

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1223E05.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: not dec. Date Analyzed: 12/23/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	1	U
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	5	U

1E

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACS-GWMW44-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971227304

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1223E05.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: not dec. Date Analyzed: 12/23/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

VALIDATED

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

1B

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW44-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971227304

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0108H09.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: decanted: (Y/N) Date Extracted: 12/19/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/09/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/l	Q
108-95-2	Phenol		8	
111-44-4	Bis(2-Chloroethyl)Ether		5	U
95-57-8	2-Chlorophenol		5	U
541-73-1	1,3-Dichlorobenzene		5	U
106-46-7	1,4-Dichlorobenzene		5	U
95-50-1	1,2-Dichlorobenzene		5	U
95-48-7	2-Methylphenol		5	U
108-60-1	2,2'-oxybis(1-Chloropropane)		5	U
106-44-5	4-Methylphenol		5	U
621-64-7	N-Nitroso-Di-N-Propylamine	UJ	5	U
67-72-1	Hexachloroethane		5	U
98-95-3	Nitrobenzene		5	U
78-59-1	Isophorone		5	U
88-75-5	2-Nitrophenol		5	U
105-67-9	2,4-Dimethylphenol		5	U
111-91-1	Bis(2-Chloroethoxy)Methane		5	U
120-83-2	2,4-Dichlorophenol		5	U
120-82-1	1,2,4-Trichlorobenzene		5	U
91-20-3	Naphthalene		5	U
106-47-8	4-Chloroaniline		5	U
87-68-3	Hexachlorobutadiene		5	U
59-50-7	4-Chloro-3-Methylphenol		5	U
91-57-6	2-Methylnaphthalene		5	U
77-47-4	Hexachlorocyclopentadiene	UJ	5	U
88-06-2	2,4,6-Trichlorophenol		5	U
95-95-4	2,4,5-Trichlorophenol		20	U
91-58-7	2-Chloronaphthalene		5	U
88-74-4	2-Nitroaniline		20	U
131-11-3	Dimethylphthalate		5	U
208-96-8	Acenaphthylene		5	U
606-20-2	2,6-Dinitrotoluene		5	U
99-09-2	3-Nitroaniline		20	U
83-32-9	Acenaphthene		5	U

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW44-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971227304

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0108H09.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: decanted: (Y/N) Date Extracted: 12/19/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/09/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

1F

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW44-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971227304

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0108H09.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: decanted: (Y/N) Date Extracted: 12/19/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/09/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I SV-TIC

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
ACS-GWMW44-04

MW44

ab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

ab Code: IEA Case No.: 2240-114 SDG No.: 12273

ab Sample ID: 971227304 Date Received: 12/17/97

ample wt/vol: 1000 (g/mL) ML Date Extracted:12/22/97

oncentrated Extract Volume: 2000(uL) Date Analyzed: 01/11/98

njection Volume: 1.0(uL) Dilution Factor: 1.0

ulfur Cleanup: (Y/N) N pH: 7.0

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

INORGANIC ANALYSES DATA SHEET

HCSGWMW44-04

MW44

ab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

ab Code: AEN___ Case No:2240_114___ SAS No.: _____ SDG No.: 12273_

at x (soil/water): WATER Lab Sample ID: 971227304

evel (low/med): LOW__ Date Received: 12/17/97

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4 63.5	B		P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	3.4	B		P
7440-39-3	Barium	179	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	152000			P
7440-47-3	Chromium	11.8			P
7440-48-4	Cobalt	1.2	B		P
7440-50-8	Copper	5.1	B		P
7439-89-6	Iron	526			P
7439-92-1	Lead	1.0	U		P
7439-95-4	Magnesium	53000			P
7439-96-5	Manganese	65.6			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	30.3	B		P
7440-09-7	Potassium	2330	B	E	P
7782-49-2	Selenium	2.5	B		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	114000			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	1.0	U		P
7440-66-6	Zinc	4 9.3	B		P
	Cyanide	10.0	U		CA

olor Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

olor After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

omments:

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FORM I - IN

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VALIDATED

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW45-04

DATE SAMPLED: 12/11/97

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971220202

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1217507.D

Level: (low/med) LOW Date Received: 12/12/97 (1)

% Moisture: not dec. Date Analyzed: 12/17/97 (6)

GC Column: DB-624 ID: .53(mm) Dilution Factor: 50

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

CRQL MULTIPLIER = 50.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
67-64-1	Acetone	R 250	U
71-43-2	Benzene	670	
74-97-5	Bromochloromethane	50	U
75-27-4	Bromodichloromethane	50	U
75-25-2	Bromoform	50	U
74-83-9	Bromomethane	50	U
78-93-3	2-Butanone	R 250	U
75-15-0	Carbon Disulfide	50	U
56-23-5	Carbon Tetrachloride	50	U
108-90-7	Chlorobenzene	J 23	J
75-00-3	Chloroethane	J 130	
67-66-3	Chloroform	50	U
74-87-3	Chloromethane	50	U
124-48-1	Dibromochloromethane	50	U
96-12-8	1,2-Dibromo-3-Chloropropane	50	U
106-93-4	1,2-Dibromoethane	50	U
95-50-1	1,2-Dichlorobenzene	J 5	J
541-73-1	1,3-Dichlorobenzene	50	U
106-46-7	1,4-Dichlorobenzene	50	U
75-34-3	1,1-Dichloroethane	50	U
107-06-2	1,2-Dichloroethane	50	U
75-35-4	1,1-Dichloroethene	50	U
156-59-2	Cis-1,2-Dichloroethene	50	U
156-60-5	Trans-1,2-Dichloroethene	50	U
78-87-5	1,2-Dichloropropane	50	U
10061-01-5	Cis-1,3-Dichloropropene	50	U
10061-02-6	Trans-1,3-Dichloropropene	50	U
100-41-4	Ethylbenzene	50	U
591-78-6	2-Hexanone	250	U
75-09-2	Methylene Chloride	100	U
108-10-1	4-Methyl-2-Pentanone	250	U
100-42-5	Styrene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
127-18-4	Tetrachloroethene	50	U

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW45-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971220202

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1217507.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: not dec. Date Analyzed: 12/17/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 50

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	50	U
71-55-6	1,1,1-Trichloroethane	50	U
79-00-5	1,1,2-Trichloroethane	50	U
79-01-6	Trichloroethene	50	U
75-01-4	Vinyl Chloride	50	U
1330-20-7	Xylene (Total)	J 18	J

VALIDATED

1E

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.
ACS-GWMW45-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971220202

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1217507.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: not dec. Date Analyzed: 12/17/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 50.0

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

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	TRIMETHYLBENZENE ISOMER	23.74	JN 120	J

FORM I VOA-TIC

VALIDATED

1B

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW45-04

Lab Name: AEN-NC Method: SOW 691

DATE SAMPLED: 12/11/97

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971220202

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0106H15.D

Level: (low/med) LOW Date Received: 12/12/97 ①

% Moisture: decanted: (Y/N) Date Extracted: 12/16/97 ③

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98 ②

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: CRQL MULTIPLIER = 1,00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	45	
111-44-4	Bis(2-Chloroethyl)Ether	5	U
95-57-8	2-Chlorophenol	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	6	
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-Di-N-Propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	Bis(2-Chloroethoxy)Methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	78	
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-Methylphenol	5	U
91-57-6	2-Methylnaphthalene	6	
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

VALIDATED

1C

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW45-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971220202

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0106H15.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: decanted: (Y/N) Date Extracted: 12/16/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

VALIDATED

1F

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW45-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971220202

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0106H15.D

Level: (low/med) LOW Date Received: 12/12/97

% Moisture: decanted: (Y/N) Date Extracted: 12/16/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Trimethyl Benzene Isomer	8.15	12	J
	Trimethyl Benzene Isomer	8.66	120	J
	Trimethyl Benzene Isomer	9.21	50	J
000112-36-7	ETHANE, 1,1'-OXYBIS[2-ETHOXY-	10.25	26	JN
000480-63-7	BENZOIC ACID, 2,4,6-TRIMETHYL-	15.65	10	JN
000309-43-3	SECOBARBITAL SODIUM	20.36	11	JN

VALIDATED

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
ACS-GWMW45-04

MW45

Lab Name: INDUSTRIAL & ENVIRONMENTA (AEN, Inc.) Contract: SOW 6/91

DATE SAMPLED: 12/11/97

Lab Code: IEA Case No.: 2240-108 SDG No.: 12202

Lab Sample ID: 971220202 Date Received: 12/12/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/16/97

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/08/98

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L) CRQL MULTIPLIER=1.00	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
ACS-GWMW45-01

MW45

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Lab Code: AEN___ Case No:2240_108___ SAS No.: _____ SDG No.: 12202_

Matrix (soil/water): WATER Lab Sample ID: 971220202

Level (low/med): LOW__ Date Received: 12/12/97
12/11/97

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	343			P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	34.0			P
7440-39-3	Barium	J 101	B	E	P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	101000			P
7440-47-3	Chromium	3.4	B		P
7440-48-4	Cobalt	3.3	B		P
7440-50-8	Copper	5.2	B		P
7439-89-6	Iron	J 16100			P
7439-92-1	Lead	1.1	B	*	P
7439-95-4	Magnesium	J 26600			P
7439-96-5	Manganese	440			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	6.2	B		P
7440-09-7	Potassium	J 6930		E	P
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	97300			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	1.0	U		P
7440-66-6	Zinc	8.4	B		P
_____	Cyanide	10.0	U		CA
_____	_____	_____	_	_____	__

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN 3/90

VALIDATED

Industrial & Environmental Analysts, Inc. (IEA)

IEA Project #: 2240-108(0)
IEA Sample #: 9712203-02 Matrix: Water
Client Name: Montgomery Watson Date Received: 12/12/97
Client Proj. I.D.: 1252042 ACS Montgomery Watson Date Sampled: 12/11/97
Sample I.D.: ACS-GWMW45-04 Dry Weight: N/A

Parameter	Method	Quantitation Limits	Results	Date Prepared	Date Analyzed	Analyst
Ammonia-N	EPA 350.3	0.1 mg/L	1.29	N/A	12/15/97	EF
BOD	STD M 5210B	2.0 mg/L	.16	N/A	12/12/97	JCG
Nitrite	EPA 353.2	0.02 mg/L	BQL	N/A	12/12/97	JCG
Nitrate	EPA 353.2	0.02 mg/L	BQL	N/A	12/12/97	JCG
Orthophosphate	EPA 365.2	UJ 0.02 mg/L	BQL	N/A	12/12/97	JCG
Sulfate	EPA 375.4	2.0 mg/L	BQL	N/A	12/15/97	ALHM
TKN	EPA 351.2	0.1 mg/L	1.62	N/A	12/15/97	EF
TOC	EPA 415.1	1.0 mg/L	6.59	N/A	12/22/97	CT

VALIDATED

Comments:

FORM RESP3 Rev. 030994

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW46-04

DATE SAMPLED: 12/15/97

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971225011

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1217E11.D

Level: (low/med) LOW Date Received: 12/16/97 (1)

% Moisture: not dec. Date Analyzed: 12/18/97 (3)

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CRQL MULTIPLIER = 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/l	Q
67-64-1	Acetone	R	5	U
71-43-2	Benzene	U	1	
74-97-5	Bromochloromethane		1	U
75-27-4	Bromodichloromethane		1	U
75-25-2	Bromoform		1	U
74-83-9	Bromomethane		1	U
78-93-3	2-Butanone	R	5	U
75-15-0	Carbon Disulfide		1	U
56-23-5	Carbon Tetrachloride		1	U
108-90-7	Chlorobenzene		1	U
75-00-3	Chloroethane		1	U
67-66-3	Chloroform		1	U
74-87-3	Chloromethane		1	U
124-48-1	Dibromochloromethane		1	U
96-12-8	1,2-Dibromo-3-Chloropropane		1	U
106-93-4	1,2-Dibromoethane		1	U
95-50-1	1,2-Dichlorobenzene		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
75-34-3	1,1-Dichloroethane		1	U
107-06-2	1,2-Dichloroethane		1	U
75-35-4	1,1-Dichloroethene		1	U
156-59-2	Cis-1,2-Dichloroethene	J	0.3	J
156-60-5	Trans-1,2-Dichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
10061-01-5	Cis-1,3-Dichloropropene		1	U
10061-02-6	Trans-1,3-Dichloropropene		1	U
100-41-4	Ethylbenzene		1	U
591-78-6	2-Hexanone		5	U
75-09-2	Methylene Chloride		2	U
108-10-1	4-Methyl-2-Pentanone		5	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
127-18-4	Tetrachloroethene		1	U

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW46-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971225011

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1217E11.D

Level: (low/med) LOW Date Received: 12/16/97

% Moisture: not dec. Date Analyzed: 12/18/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	1	U
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	J 0.2	J
1330-20-7	Xylene (Total)	5	U

VALIDATED

1E

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.
ACS-GWMW46-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971225011

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1217E11.D

Level: (low/med) LOW Date Received: 12/16/97

% Moisture: not dec. Date Analyzed: 12/18/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000108-20-3	DIISOPROPYL ETHER	8.07	JN 4	JN

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1B

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW46-04

DATE SAMPLED: 12/15/97

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971225011

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0107812.D

Level: (low/med) LOW Date Received: 12/16/97 (1)

% Moisture: decanted: (Y/N) Date Extracted: 12/17/97 (2)

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/07/98 (3)

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: CRQL MULTIPLIER = 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l		Q
108-95-2	Phenol	5 U	2	J
111-44-4	Bis(2-Chloroethyl)Ether	J	3	J
95-57-8	2-Chlorophenol		5	U
541-73-1	1,3-Dichlorobenzene		5	U
106-46-7	1,4-Dichlorobenzene		5	U
95-50-1	1,2-Dichlorobenzene		5	U
95-48-7	2-Methylphenol		5	U
108-60-1	2,2'-oxybis(1-Chloropropane)		5	U
106-44-5	4-Methylphenol		5	U
621-64-7	N-Nitroso-Di-N-Propylamine		5	U
67-72-1	Hexachloroethane		5	U
98-95-3	Nitrobenzene		5	U
78-59-1	Isophorone		5	U
88-75-5	2-Nitrophenol		5	U
105-67-9	2,4-Dimethylphenol		5	U
111-91-1	Bis(2-Chloroethoxy)Methane		5	U
120-83-2	2,4-Dichlorophenol		5	U
120-82-1	1,2,4-Trichlorobenzene		5	U
91-20-3	Naphthalene		5	U
106-47-8	4-Chloroaniline		5	U
87-68-3	Hexachlorobutadiene		5	U
59-50-7	4-Chloro-3-Methylphenol		5	U
91-57-6	2-Methylnaphthalene		5	U
77-47-4	Hexachlorocyclopentadiene		5	U
88-06-2	2,4,6-Trichlorophenol		5	U
95-95-4	2,4,5-Trichlorophenol		20	U
91-58-7	2-Chloronaphthalene		5	U
88-74-4	2-Nitroaniline		20	U
131-11-3	Dimethylphthalate		5	U
208-96-8	Acenaphthylene		5	U
606-20-2	2,6-Dinitrotoluene		5	U
99-09-2	3-Nitroaniline		20	U
83-32-9	Acenaphthene		5	U

VALIDATED

1C

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW46-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971225011

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0107812.D

Level: (low/med) LOW Date Received: 12/16/97

% Moisture: decanted: (Y/N) Date Extracted: 12/17/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/07/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

VALIDATED

1F

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO

ACS-GWMW46-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971225011

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0107812.D

Level: (low/med) LOW Date Received: 12/16/97

% Moisture: decanted: (Y/N) Date Extracted: 12/17/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/07/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO. ACS-GWMW46-04

MW46

Lab Name: INDUSTRIAL & ENVIRONMENTA (AEN, INC. - NC) Contract: SOW 6/91

Lab Code: IEA Case No.: 2240-108 SDG No.: 12202

DATE SAMPLED: 12/15/97

Lab Sample ID: 971225011 Date Received: 12/16/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/17/97

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/10/98

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L) CRQL MULTIPLIER = 1.00	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
ACS-GWMW46-04

MW46

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Lab Code: AEN___ Case No:2240_108___ SAS No.: _____ SDG No.: 12202_

Matrix (soil/water): WATER Lab Sample ID: 971225011

Level (low/med): LOW__ Date Received: 12/16/97

% Solids: __0.0 12/15/97

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	186	B		P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	J 113	B	E	P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	105000			P
7440-47-3	Chromium	2.0	B		P
7440-48-4	Cobalt	1.0	U		P
7440-50-8	Copper	3.7	B		P
7439-89-6	Iron	J 19100			P
7439-92-1	Lead	1.0	U	*	P
7439-95-4	Magnesium	J 27500			P
7439-96-5	Manganese	1330			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	2.4	B		P
7440-09-7	Potassium	J 891	B	E	P
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	60700			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	1.2	B		P
7440-66-6	Zinc	4.8	B		P
	Cyanide	10.0	U		CA

Color Before: BROWN____ Clarity Before: CLOUDY Texture: _____

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN

3/90

VALIDATED

TECA CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW47-04

Lab Name: AEN-NC Method: SOW 691

12/16/97

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971227302

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1223E16.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: not dec. Date Analyzed: 12/24/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/l	Q
67-64-1	Acetone	R	5	U
71-43-2	Benzene		1	U
74-97-5	Bromochloromethane		1	U
75-27-4	Bromodichloromethane		1	U
75-25-2	Bromoform		1	U
74-83-9	Bromomethane		1	U
78-93-3	2-Butanone	R	5	U
75-15-0	Carbon Disulfide		1	U
56-23-5	Carbon Tetrachloride		1	U
108-90-7	Chlorobenzene		1	U
75-00-3	Chloroethane		1	U
67-66-3	Chloroform		1	U
74-87-3	Chloromethane	J	0.1	J
124-48-1	Dibromochloromethane		1	U
96-12-8	1,2-Dibromo-3-Chloropropane		1	U
106-93-4	1,2-Dibromoethane		1	U
95-50-1	1,2-Dichlorobenzene		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
75-34-3	1,1-Dichloroethane		1	U
107-06-2	1,2-Dichloroethane		1	U
75-35-4	1,1-Dichloroethene		1	U
156-59-2	Cis-1,2-Dichloroethene		1	U
156-60-5	Trans-1,2-Dichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
10061-01-5	Cis-1,3-Dichloropropene		1	U
10061-02-6	Trans-1,3-Dichloropropene		1	U
100-41-4	Ethylbenzene		1	U
591-78-6	2-Hexanone		5	U
75-09-2	Methylene Chloride		2	U
108-10-1	4-Methyl-2-Pentanone		5	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
127-18-4	Tetrachloroethene		1	U

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW47-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971227302

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1223E16.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: not dec. Date Analyzed: 12/24/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	1	U
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	5	U

1E

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACS-GWMW47-04

Lab Name: AEN-NC   Method: SOW 691

Lab Code: AEN   Case No.: 2240-114   SDG No.: 12273

Matrix: (soil/water) WATER   Lab Sample ID: 971227302

Sample wt/vol: 25 (g/mL) ml   Lab File ID: 1223E16.D

Level: (low/med) LOW   Date Received: 12/17/97

% Moisture: not dec.   Date Analyzed: 12/24/97

GC Column: DB-624 ID: .53(mm)   Dilution Factor: 1.0

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

VALIDATED

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW47-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971227302

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0108H07.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: decanted: (Y/N) Date Extracted: 12/19/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/09/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	J 19	
111-44-4	Bis(2-Chloroethyl)Ether	5	U
95-57-8	2-Chlorophenol	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-Di-N-Propylamine	UJ 5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	Bis(2-Chloroethoxy)Methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-Methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	UJ 5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

1C

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW47-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971227302

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0108H07.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: decanted: (Y/N) Date Extracted: 12/19/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/09/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

1F

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW47-04

Name: AEN-NC   Method: SOW 691

C: AEN   Case No.: 2240-114   SDG No.: 12273

ix: (soil/water) WATER   Lab Sample ID: 971227302

le wt/vol: 1000 (g/mL) ml   Lab File ID: 0108H07.D

l: (low/med) LOW   Date Received: 12/17/97

isture: decanted: (Y/N)   Date Extracted: 12/19/97

entrated Extract Volume: 1000(uL)   Date Analyzed: 01/09/98

ction Volume: 2 (uL)   Dilution Factor: 1.0

Cleanup: (Y/N) N   pH:

VALIDATED

CONCENTRATION UNITS:

ıber TICs Found: 0   (ug/L or ug/Kg) ug/l

ıS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I SV-TIC

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO. ACS-GWMW47-04

MW47

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

Lab Code: IEA Case No.: 2240-114 SDG No.: 12273

Lab Sample ID: 971227302 Date Received: 12/17/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/22/97

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/11/98

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

INORGANIC ANALYSES DATA SHEET HCSGWMW47-04

MW47

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Lab Code: AEN___ Case No:2240_114___ SAS No.: _____ SDG No.: 12273_

Matrix (soil/water): WATER Lab Sample ID: 971227302

Level (low/med): LOW__ Date Received: 12/17/97

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	U 222			P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	19.6	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	22900			P
7440-47-3	Chromium	J 107			P
7440-48-4	Cobalt	1.4	B		P
7440-50-8	Copper	5.0	B		P
7439-89-6	Iron	J 915			P
7439-92-1	Lead	2.6	B		P
7439-95-4	Magnesium	5910			P
7439-96-5	Manganese	15.5			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	3.0	B		P
7440-09-7	Potassium	854	B	E	P
7782-49-2	Selenium	3.2	B		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	6710			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	1.7	B		P
7440-66-6	Zinc	14.7	B		P
	Cyanide	10.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN

3/90

VALIDATED

1LCA CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW47-94

Lab Name: AEN-NC Method: SOW 691

12/16/97

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971227303

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1224504.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: not dec. Date Analyzed: 12/24/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/l	Q
67-64-1	Acetone	R	5	U
71-43-2	Benzene		1	U
74-97-5	Bromochloromethane		1	U
75-27-4	Bromodichloromethane		1	U
75-25-2	Bromoform		1	U
74-83-9	Bromomethane		1	U
78-93-3	2-Butanone	R	5	U
75-15-0	Carbon Disulfide		1	U
56-23-5	Carbon Tetrachloride		1	U
108-90-7	Chlorobenzene		1	U
75-00-3	Chloroethane		1	U
67-66-3	Chloroform		1	U
74-87-3	Chloromethane		1	U
124-48-1	Dibromochloromethane		1	U
96-12-8	1,2-Dibromo-3-Chloropropane		1	U
106-93-4	1,2-Dibromoethane		1	U
95-50-1	1,2-Dichlorobenzene		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
75-34-3	1,1-Dichloroethane		1	U
107-06-2	1,2-Dichloroethane		1	U
75-35-4	1,1-Dichloroethene		1	U
156-59-2	Cis-1,2-Dichloroethene		1	U
156-60-5	Trans-1,2-Dichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
10061-01-5	Cis-1,3-Dichloropropene		1	U
10061-02-6	Trans-1,3-Dichloropropene		1	U
100-41-4	Ethylbenzene		1	U
591-78-6	2-Hexanone		5	U
75-09-2	Methylene Chloride		2	U
108-10-1	4-Methyl-2-Pentanone		5	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
127-18-4	Tetrachloroethene		1	U

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW47-94

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971227303

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1224504.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: not dec. Date Analyzed: 12/24/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	1	U
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	5	U

1E

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW47-94

Name: AEN-NC Method: SOW 691

C[redacted]: AEN Case No.: 2240-114 SDG No.: 12273

ix: (soil/water) WATER Lab Sample ID: 971227303

le wt/vol: 25 (g/mL) ml Lab File ID: 1224504.D

l: (low/med) LOW Date Received: 12/17/97

isture: not dec. Date Analyzed: 12/24/97

olumn: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

VALIDATED

ber TICs Found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l

S NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW47-94

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971227303

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0108H08.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: decanted: (Y/N) Date Extracted: 12/19/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/09/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	J 14	
111-44-4	Bis(2-Chloroethyl)Ether	5	U
95-57-8	2-Chlorophenol	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-Di-N-Propylamine	UJ 5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	Bis(2-Chloroethoxy)Methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-Methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	UJ 5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW47-94

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971227303

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0108H08.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: decanted: (Y/N) Date Extracted: 12/19/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/09/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	0.5	J
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

1F

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW47-94

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971227303

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0108H08.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: decanted: (Y/N) Date Extracted: 12/19/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/09/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I SV-TIC

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
ACS GWMW47-94
MW479 dup

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

Lab Code: IEA Case No.: 2240-114 SDG No.: 12273

Lab Sample ID: 971227303 Date Received: 12/17/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/22/97

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/11/98

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

INORGANIC ANALYSES DATA SHEET

ACS GwMW47-94

MW47R dup

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Lab Code: AEN___ Case No:2240_114___ SAS No.: _____ SDG No.: 12273_

Matrix (soil/water): WATER Lab Sample ID: 971227303

Level (low/med): LOW__ Date Received: 12/17/97

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4 191	B		P
7440-36-0	Antimony	4 1.0	B		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	17.0	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	22800			P
7440-47-3	Chromium	J 8.7	B		P
7440-48-4	Cobalt	1.0	U		P
7440-50-8	Copper	2.0	B		P
7439-89-6	Iron	J 141			P
7439-92-1	Lead	1.8	B		P
7439-95-4	Magnesium	5880			P
7439-96-5	Manganese	14.3	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	2.2	B		P
7440-09-7	Potassium	846	B	E	P
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	6740			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	1.0	U		P
7440-66-6	Zinc	4 9.9	B		P
	Cyanide	10.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN

3/90

VALIDATED

VALIDATED

1LCA

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW48-04

Lab Name: AEN-NC Method: SOW 691

DATE SAMPLED: 12/16/97

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971227119

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1223E12.D

Level: (low/med) LOW Date Received: 12/17/97 (1)

% Moisture: not dec. Date Analyzed: 12/24/97 (8)

GC Column: DB-624 ID: .53(mm) Dilution Factor: 250

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

CRQL MULTIPLIER = 250

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l		Q
67-64-1	Acetone	R	1200	U
71-43-2	Benzene		3800	
74-97-5	Bromochloromethane		250	U
75-27-4	Bromodichloromethane	U	55	J
75-25-2	Bromoform		250	U
74-83-9	Bromomethane		250	U
78-93-3	2-Butanone	R	1200	U
75-15-0	Carbon Disulfide		250	U
56-23-5	Carbon Tetrachloride		250	U
108-90-7	Chlorobenzene		250	U
75-00-3	Chloroethane		300	
67-66-3	Chloroform	U	300	
74-87-3	Chloromethane	J	38	J
124-48-1	Dibromochloromethane		250	U
96-12-8	1,2-Dibromo-3-Chloropropane		250	U
106-93-4	1,2-Dibromoethane		250	U
95-50-1	1,2-Dichlorobenzene		250	U
541-73-1	1,3-Dichlorobenzene		250	U
106-46-7	1,4-Dichlorobenzene		250	U
75-34-3	1,1-Dichloroethane		250	U
107-06-2	1,2-Dichloroethane		250	U
75-35-4	1,1-Dichloroethene		250	U
156-59-2	Cis-1,2-Dichloroethene		250	U
156-60-5	Trans-1,2-Dichloroethene		250	U
78-87-5	1,2-Dichloropropane		250	U
10061-01-5	Cis-1,3-Dichloropropene		250	U
10061-02-6	Trans-1,3-Dichloropropene		250	U
100-41-4	Ethylbenzene		250	U
591-78-6	2-Hexanone		1200	U
75-09-2	Methylene Chloride		500	U
108-10-1	4-Methyl-2-Pentanone		1200	U
100-42-5	Styrene		250	U
79-34-5	1,1,2,2-Tetrachloroethane		250	U
127-18-4	Tetrachloroethene		250	U

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW48-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971227119

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1223E12.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: not dec. Date Analyzed: 12/24/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 250

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	250	U
71-55-6	1,1,1-Trichloroethane	250	U
79-00-5	1,1,2-Trichloroethane	250	U
79-01-6	Trichloroethene	250	U
75-01-4	Vinyl Chloride	250	U
1330-20-7	Xylene (Total)	1200	U

VALIDATED

1E

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACS-GWMW48-04

Lab Name: AEN-NC   Method: SOW 691

Lab Code: AEN   Case No.: 2240-108   SDG No.: 12202

Matrix: (soil/water) WATER   Lab Sample ID: 971227119

Sample wt/vol: 25 (g/mL) ml   Lab File ID: 1223E12.D

Level: (low/med) LOW   Date Received: 12/17/97

% Moisture: not dec.   Date Analyzed: 12/24/97

GC Column: DB-624 ID: .53(mm)   Dilution Factor: 250.0

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

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

VALIDATED

1B

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW48-04

Lab Name: AEN-NC Method: SOW 691

DATE SAMPLED: 12/16/97

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971227119

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0105H13.D

Level: (low/med) LOW Date Received: 12/17/97 (1)

% Moisture: decanted: (Y/N) Date Extracted: 12/19/97 (3)

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98 (19)

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: CRQL MULTIPLIER = 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	62	
111-44-4	Bis(2-Chloroethyl)Ether	5	U
95-57-8	2-Chlorophenol	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-Di-N-Propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	Bis(2-Chloroethoxy)Methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-Methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

VALIDATED

1C

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW48-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971227119

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0105H13.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: decanted: (Y/N) Date Extracted: 12/19/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

VALIDATED

1F

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW48-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971227119

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0105H13.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: decanted: (Y/N) Date Extracted: 12/19/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000873-94-9	CYCLOHEXANONE, 3,3,5-TRIMETHYL-	9.79	78	JN
	Unknown	10.50	16	J
	Unknown	10.95	9	J
	Unknown	26.49	27	J

VALIDATED

1LCD

CLIENT SAMPLE NO.

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET ACS-GWMW48-04

MW48

Lab Name: INDUSTRIAL & ENVIRONMENTA (AEN, INC. - NC) Contract: SOW 6/91

DATE SAMPLED: 12/16/97

Lab Code: IEA Case No.: 2240-108 SDG No.: 12202

Lab Sample ID: 971227119 Date Received: 12/17/97 (1)

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/22/97 (6)

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/10/98 (21)

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L) CRQL MULTIPLIER=1.00	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
ACS-GWMW48-04

MW48

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Lab Code: AEN___ Case No:2240_108___ SAS No.: _____ SDG No.: 12202_

Matrix (soil/water): WATER Lab Sample ID: 971227119

Level (low/med): LOW__ Date Received: 12/17/97

% Solids: __0.0 12/16/97

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	59.0	B		P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	J 58.3	B	E	P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	80400			P
7440-47-3	Chromium	1.9	B		P
7440-48-4	Cobalt	1.0	U		P
7440-50-8	Copper	3.4	B		P
7439-89-6	Iron	J 12500			P
7439-92-1	Lead	1.0	U	*	P
7439-95-4	Magnesium	J 13000			P
7439-96-5	Manganese	388			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	6.6	B		P
7440-09-7	Potassium	J 3840	B	E	P
7782-49-2	Selenium	U 2.4	B		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	25100			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	1.0	U		P
7440-66-6	Zinc	4.6	B		P
	Cyanide	10.0	U		CA

Color Before: BROWN____ Clarity Before: CLOUDY Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN 3/90

VALIDATED

Industrial & Environmental Analysts, Inc. (IEA)

IEA Project #: 2240-108(0)
IEA Sample #: 9712272-19
Client Name: Montgomery Watson
Client Proj. I.D.: 1252042 ACS Montgomery Watson
Sample I.D.: ACS-GWMW48-04

Matrix: Water
Date Received: 12/17/97
Date Sampled: 12/16/97
Dry Weight: N/A

Parameter	Method	Quantitation Limits	Results	Date Prepared	Date Analyzed	Analyst
Ammonia-N	EPA 350.3	0.1 mg/L	4.14	N/A	12/21/97	EF
BOD	STD M 5210B	2.0 mg/L	BQL	N/A	12/17/97	JCG
Nitrite	EPA 353.2	0.02 mg/L	BQL	N/A	12/17/97	JCG
Nitrate	EPA 353.2	0.02 mg/L	BQL	N/A	12/18/97	JCG
Orthophosphate	EPA 365.2	UJ 0.02 mg/L	BQL	N/A	12/17/97	JCG
Sulfate	EPA 375.4	2.0 mg/L	10.5	N/A	12/29/97	ALHM
TKN	EPA 351.2	0.1 mg/L	4.61	N/A	12/21/97	EF
TOC	EPA 415.1	1.0 mg/L	7.00	N/A	01/07/98	CT

VALIDATED

Comments:

FORM RESP3 Rev. 030994

1LCA

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW49-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216913

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1216E04.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: not dec. Date Analyzed: 12/16/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 200

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/l	Q
67-64-1	Acetone	R	1000	U
71-43-2	Benzene	J	3300	
74-97-5	Bromochloromethane		200	U
75-27-4	Bromodichloromethane		200	U
75-25-2	Bromoform		200	U
74-83-9	Bromomethane		200	U
78-93-3	2-Butanone	R	1000	U
75-15-0	Carbon Disulfide		200	U
56-23-5	Carbon Tetrachloride		200	U
108-90-7	Chlorobenzene		200	U
75-00-3	Chloroethane	J	250	
67-66-3	Chloroform		200	U
74-87-3	Chloromethane		200	U
124-48-1	Dibromochloromethane		200	U
96-12-8	1,2-Dibromo-3-Chloropropane		200	U
106-93-4	1,2-Dibromoethane		200	U
95-50-1	1,2-Dichlorobenzene		200	U
541-73-1	1,3-Dichlorobenzene		200	U
106-46-7	1,4-Dichlorobenzene		200	U
75-34-3	1,1-Dichloroethane		200	U
107-06-2	1,2-Dichloroethane		200	U
75-35-4	1,1-Dichloroethene		200	U
156-59-2	Cis-1,2-Dichloroethene		200	U
156-60-5	Trans-1,2-Dichloroethene		200	U
78-87-5	1,2-Dichloropropane		200	U
10061-01-5	Cis-1,3-Dichloropropene		200	U
10061-02-6	Trans-1,3-Dichloropropene		200	U
100-41-4	Ethylbenzene		200	U
591-78-6	2-Hexanone		1000	U
75-09-2	Methylene Chloride		400	U
108-10-1	4-Methyl-2-Pentanone		1000	U
100-42-5	Styrene		200	U
79-34-5	1,1,2,2-Tetrachloroethane		200	U
127-18-4	Tetrachloroethene		200	U

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW49-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216913

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1216E04.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: not dec. Date Analyzed: 12/16/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 200

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	200	U
71-55-6	1,1,1-Trichloroethane	200	U
79-00-5	1,1,2-Trichloroethane	200	U
79-01-6	Trichloroethene	200	U
75-01-4	Vinyl Chloride	200	U
1330-20-7	Xylene (Total)	1000	U

VALIDATED

1E

CLIENT SAMPLE NO

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW49-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216913

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1216E04.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: not dec. Date Analyzed: 12/16/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 200.0

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

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW49-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216913

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0107805.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: decanted: (Y/N) Date Extracted: 12/15/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/07/98

Injection Volume: 2.0 (uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	160	
111-44-4	Bis(2-Chloroethyl)Ether	20	U
95-57-8	2-Chlorophenol	20	U
541-73-1	1,3-Dichlorobenzene	20	U
106-46-7	1,4-Dichlorobenzene	20	U
95-50-1	1,2-Dichlorobenzene	20	U
95-48-7	2-Methylphenol	20	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11	J
106-44-5	4-Methylphenol	20	U
621-64-7	N-Nitroso-Di-N-Propylamine	20	U
67-72-1	Hexachloroethane	20	U
98-95-3	Nitrobenzene	20	U
78-59-1	Isophorone	20	U
88-75-5	2-Nitrophenol	20	U
105-67-9	2,4-Dimethylphenol	20	U
111-91-1	Bis(2-Chloroethoxy)Methane	20	U
120-83-2	2,4-Dichlorophenol	20	U
120-82-1	1,2,4-Trichlorobenzene	20	U
91-20-3	Naphthalene	20	U
106-47-8	4-Chloroaniline	20	U
87-68-3	Hexachlorobutadiene	20	U
59-50-7	4-Chloro-3-Methylphenol	20	U
91-57-6	2-Methylnaphthalene	20	U
77-47-4	Hexachlorocyclopentadiene	20	U
88-06-2	2,4,6-Trichlorophenol	20	U
95-95-4	2,4,5-Trichlorophenol	80	U
91-58-7	2-Chloronaphthalene	20	U
88-74-4	2-Nitroaniline	80	U
131-11-3	Dimethylphthalate	20	U
208-96-8	Acenaphthylene	20	U
606-20-2	2,6-Dinitrotoluene	20	U
99-09-2	3-Nitroaniline	80	U
83-32-9	Acenaphthene	20	U

VALIDATED

CLIENT SAMPLE N(

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW49-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216913

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0107805.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: decanted: (Y/N) Date Extracted: 12/15/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/07/98

Injection Volume: 2.0 (uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	80	U
100-02-7	4-Nitrophenol	80	U
132-64-9	Dibenzofuran	20	U
121-14-2	2,4-Dinitrotoluene	20	U
84-66-2	Diethylphthalate	20	U
7005-72-3	4-Chlorophenyl-phenylether	20	U
86-73-7	Fluorene	20	U
100-01-6	4-Nitroaniline	80	U
534-52-1	4,6-Dinitro-2-Methylphenol	80	U
86-30-6	N-Nitrosodiphenylamine (1)	20	U
101-55-3	4-Bromophenyl-phenylether	20	U
118-74-1	Hexachlorobenzene	20	U
87-86-5	Pentachlorophenol	80	U
85-01-8	Phenanthrene	20	U
120-12-7	Anthracene	20	U
86-74-8	Carbazole	20	U
84-74-2	Di-N-Butylphthalate	20	U
206-44-0	Fluoranthene	20	U
129-00-0	Pyrene	20	U
85-68-7	Butylbenzylphthalate	20	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	20	U
218-01-9	Chrysene	20	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	20	U
117-84-0	Di-N-Octylphthalate	20	U
205-99-2	Benzo(b)Fluoranthene	20	U
207-08-9	Benzo(k)Fluoranthene	20	U
50-32-8	Benzo(a)Pyrene	20	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	20	U
53-70-3	Dibenz(A,H)Anthracene	20	U
191-24-2	Benzo(G,H,I)Perylene	20	U

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CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW49-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216913

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0107805.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: decanted: (Y/N) Date Extracted: 12/15/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/07/98

Injection Volume: 2 (uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000873-94-9	CYCLOHEXANONE, 3,3,5-TRIMETHYL-	9.75	480	JN
000116-02-9	CYCLOHEXANOL, 3,3,5-TRIMETHYL-	9.96	95	JN
	UNKNOWN	17.16	110	J

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CLIENT SAMPLE NO.

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET ACS-GWMW49-04

MW49

AEN, Inc. - NC

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

DATE SAMPLED: 12/10/97

Lab Code: IEA Case No.: 2240-104 SDG No.: 12155

Lab Sample ID: 971216913 Date Received: 12/11/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/15/97 (5)

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/07/98 (2)

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L) CRQL MULTIPLIER=1.00	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

VALIDATED

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACS-GWMW49-01
MW49

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Lab Code: AEN___ Case No:2240_104___ SAS No.: _____ SDG No.: 12155_

Matrix (soil/water): WATER Lab Sample ID: 971216913

Level (low/med): LOW__ Date Received: 12/11/98

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1020			P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	29.9			P
7440-39-3	Barium	121	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	80100			P
7440-47-3	Chromium	7.6	B		P
7440-48-4	Cobalt	1.4	B		P
7440-50-8	Copper	8.0	B		P
7439-89-6	Iron	27900			P
7439-92-1	Lead	3.2			P
7439-95-4	Magnesium	10500			P
7439-96-5	Manganese	2030			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	8.4	B		P
7440-09-7	Potassium	J 4440	B	E	P
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	18000			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	1.9	B		P
7440-66-6	Zinc	U 22.0			P
	Cyanide	10.0	U		CA

Color Before: BROWN____ Clarity Before: CLOUDY Texture: _____

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

_____

_____

_____

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VALIDATED

APPENDIX D

VALIDATION NARRATIVE AND LABORATORY REPORTS FROM LOWER AQUIFER

VALIDATION NARRATIVE

Project: ACS
Number: 1252042.221602

Analysis: VOCs, SVOCs, PCBs
Matrix: Groundwater
SDG: 12155

Validated By: JAH/MDP

Date: 3-9-98 and 3/11/98

This narrative covers the validation of 20 groundwater samples from ACS for CLP organic analysis by IEA/AEN laboratories using CLP methodologies. Validation was performed using the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Analysis Review* (2/94). The data is validated as acceptable for use in site evaluation with the following comments:

Hold Times All hold times were met.

Instrument Performance All VOC instrument BFB tuning criteria was acceptable. All SVOC instrument DFTPP tuning criteria was acceptable. All pesticide/PCB resolution check mixture, PEM DDT and endrin breakdown, florisil cartridge check QC criteria was acceptable.

Calibration All VOC calibration criteria was acceptable, except for acetone and 2-butanone, which had a RRF less than 0.05; all results have been qualified J/R. All SVOC calibration criteria was acceptable, except for hexachlorocyclopentadiene, which exceeded the %RSD QC limits; results have been flagged J/UJ. All pesticide calibration criteria were acceptable.

Blanks VOC method blanks and one trip blank were analyzed. Sample results were qualified using the 5x/10x rule as undetected at the sample result or the CRQL, whichever was greater.

SVOC method blanks and field blanks were analyzed. No results were qualified for SVOC blanks.

Pesticide/PCB method blanks and field blanks were analyzed. Sample results were qualified using the 5x rule as undetected at the sample result or the CRQL, whichever was greater.

Surrogates All VOC surrogate recoveries were within QC limits.
All SVOC surrogate recoveries were within QC limits.
All pesticide/PCB surrogate recoveries were within advisory QC limits.

Matrix Spikes All matrix spike recoveries and RPDs were within acceptable QC limits.

Field Duplicates VOC field duplicate results were within acceptable QC limits. SVOC field duplicate results were within acceptable QC limits. Pesticide/PCB field duplicate results were within acceptable QC limits.

Internal Standards All VOC internal standard results were within acceptable validation limits. All SVOC internal standard results were within acceptable validation limits.

Compound Identification VOC target compound qualitative identification criteria, including RRTs and mass spectra criteria was acceptable. SVOC target compound qualitative identification criteria, including RRTs and mass spectra confirmation criteria was acceptable. Pesticide/PCB target compound qualitative identification criteria, including RRTs, scaling, baseline resolution, and dual column confirmation criteria was acceptable.

System Performance VOC system performance, including RIC baseline, resolution, and peak shape was acceptable. SVOC system performance, including RIC baseline, resolution, and peak shape was acceptable. Pesticide florisil cleanup check results were within acceptable QC limits.

Sample Results Overall data quality by the laboratory was good, with no significant instrument related problems observed. Samples were run by the lab using low concentration methodology in error.

JAH/jah/mdp/SGW
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VALIDATION NARRATIVE

Project: ACS
Number: 1252042.221602

Analysis: INORGANICS
Matrix: Groundwater - Dec -97
SDG: 12155

Validated By: JAH

Date: 3-9-98

This narrative covers the validation of 20 groundwater samples from ACS for CLP inorganic analysis by IEA/AEN laboratories using CLP methodologies. Validation was performed using the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Analysis Review* (2/94). The data is validated as acceptable for use in site evaluation with the following comments/qualifiers:

Hold Times All hold times (6 months for metals, 28 days for mercury, and 14 days for cyanide) were met.

Calibration All ICP calibration criteria (calibration/ICV/CCV) was acceptable. All AA calibration criteria (calibration/ICV/CCV) was acceptable. All CV calibration criteria (calibration/ICV/CCV) were acceptable.

Blanks Initial, continuing, and prep blanks were analyzed, together with 1 field blank. For blanks with analytes greater than the IDL but less than 5x the CRDL, associated sample results less than 5x the blank level were reported as undetected (U), for sample results greater than 5x the blank level were qualified as estimated (J).

Interference Check Sample All Solution AB recoveries were within ± 20% of the true value.

Laboratory Control Sample All LCS recoveries were within 80-120% recovery.

Lab and Field Duplicates Lab duplicate results were within acceptable QC limits (± 20% RPD). Field duplicate results were acceptable.

Matrix Spikes All matrix spike recoveries and RPDs were within acceptable QC limits (75-125% recovery).

Furnace Atomic Absorption QC No graphite furnace runs were performed.

ICP Serial Dilution All ICP serial dilution results were within acceptable QC limits (± 10% Difference if original results greater than 50x IDL), except for potassium. All results have been qualified as estimated.

Sample Result Verification Calculations and transcriptions were review and were acceptable. Overall data quality by the laboratory was good, with no significant instrument related problems observed.

Additional Case Specific Problems No additional problems were observed with this case.

JAH/jah/MDP
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VALIDATION NARRATIVE

Project: ACS
Number: 1252042.221602

Analysis: INDICATORS
Matrix: Groundwater
SDG: 2240 (12155)

Validated By: Steve Wiskes Date: 2-18-98

This narrative covers the validation of 5 samples from ACS for CLP indicator (BOD, ammonia, nitrite, nitrate, orthophosphate, sulfate, TKN, and TOC) analysis by AEN laboratories (formerly IEA). Validation was performed using the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Analysis Review* (2/94) and USEPA Region 5 validation. The data is validated as acceptable for use in site evaluation with the following comments/qualifiers:

Hold Times All hold times were met.

Calibration All calibration criteria (calibration ICV/CCV) were acceptable. All correlation coefficients were greater than 0.995 for all standard curves.

Blanks Initial and continuing blanks were analyzed. All blank results were acceptable

Lab Duplicate Lab duplicate results were within acceptable QC limits (± 20% RPD).

Matrix Spikes All matrix spike recoveries and RPDs were within acceptable QC limits (75-125% recoveries) except orthophosphate which had a 57% recovery. If detected the result is qualified (J), if not detected the result is qualified (UJ).

Sample Result Verification Calculations and transcriptions were reviewed and were acceptable.

Additional Case Specific Problems No additional problems were observed with this case.

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VALIDATION NARRATIVE

Project: ACS
Number: 1252042.221602

Analysis: INORGANICS
Matrix: Groundwater
SDG: 12202

Validated By: Tom Dushek

Date: March 9, 1998

This narrative covers the validation of 18 groundwater samples from ACS for CLP inorganic analysis by American Environmental NE laboratories using CLP methodologies. Validation was performed using the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Analysis Review* (2/94). The data is validated as acceptable for use in site evaluation with the following comments/qualifiers:

Hold Times All hold times (6 months for metals, 28 days for mercury, and 14 days for cyanide) were met.

Calibration All ICP calibration criteria (calibration/ICV/CCV) was acceptable. All CV calibration criteria (calibration/ICV/CCV) were acceptable.

Blanks Initial, continuing, and prep blanks were analyzed, together with two field blanks. For blanks with analytes greater than the IDL but less than 5x the CRDL, associated sample results less than 5x the blank level were reported as undetected (U), for sample results greater than 5x the blank level were qualified as estimated (J).

For blanks with analytes greater than the CRDL, all associated samples were qualified as unusable (R)

Interference Check Sample All Solution AB recoveries were within ± 20% of the true value.

Laboratory Control Sample All LCS recoveries were within 80-120% recovery.

Lab and Field Duplicates Lab duplicate results were within acceptable QC limits (± 20% RPD). Field duplicate results were acceptable.

Matrix Spikes All matrix spike recoveries and RPDs were within acceptable QC limits (75-125% recovery).

Furnace Atomic Absorption QC No graphite furnace runs were performed.

ICP Serial Dilution All ICP serial dilution results were within acceptable QC limits (± 10% Difference if original results greater than 50x IDL), except for barium and potassium which were qualified as estimated (J).

Sample Result Verification Calculations and transcriptions were review and were acceptable. Overall data quality by the laboratory was good, with no significant instrument related problems observed.

Additional Case Specific Problems No additional problems were observed with this case.

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VALIDATION NARRATIVE

Project: ACS
Number: 1252042.221602

Analysis: INDICATORS
Matrix: Groundwater
SDG: 2240-108 (12202)

Validated By: Steve Wiskes Date: 3-4-98

This narrative covers the validation of 5 samples from ACS for indicator (BOD, ammonia, nitrite, nitrate, orthophosphate, sulfate, TKN, and TOC) analysis by AEN laboratories (formerly IEA). Validation was performed using the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Analysis Review* (2/94) and USEPA Region 5 validation. The data is validated as acceptable for use in site evaluation with the following comments/qualifiers:

Hold Times All hold times were met.

Calibration All calibration criteria (calibration ICV/CCV) were acceptable. All correlation coefficients were greater than 0.995 for all standard curves.

Blanks Initial and continuing blanks were analyzed. All blank results were acceptable

Lab Duplicate Lab duplicate results were within acceptable QC limits (± 20% RPD).

Matrix Spikes All matrix spike recoveries and RPDs were within acceptable QC limits (75-125% recoveries) except orthophosphate which had a 70% recovery. If detected the result is qualified (J), if not detected the result is qualified (UJ).

Sample Result Verification Calculations and transcriptions were reviewed and were acceptable.

Additional Case Specific Problems No additional problems were observed with this case.

SGW/sgw/JAH
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VALIDATION NARRATIVE

Project: ACS
Number: 1252042

Analysis: VOCs, SVOCs, PCBs
Matrix: Groundwater
SDG: 12273

Validated By: SGW Date: 2-17-98

This narrative covers the validation of 20 groundwater samples from ACS for CLP organic analysis by AEN laboratories (formerly IEA) using CLP methodologies. Validation was performed using the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Analysis Review* (2/94) and USEPA Region 5 guidelines. The data is validated as acceptable for use in site evaluation with the following comments:

Hold Times All hold times were met with the exception that the SVOC fraction in sample MW52 was extracted 13 days after sample collection. If detected compounds are qualified (J) if not detected compounds are qualified (UJ).

Instrument Performance All VOC instrument BFB tuning criteria was acceptable. All SVOC instrument DFTPP tuning criteria was acceptable. All pesticide/PCB resolution check mixture, PEM DDT and endrin breakdown, florisil cartridge check and GPC calibration check QC criteria was acceptable.

Calibration All VOC calibration criteria was acceptable, except bromomethane %D criteria was exceeded; associated sample concentrations for MW30, MW51, FB05, MW53, and MW54 have been estimated (J) if detected and qualified (UJ) if not detected. All SVOC calibration criteria was acceptable, except hexachlorocyclopentadiene, n-nitrosodimethylamine, 2, 4-dinitrophenol, and 4-nitrophenol %D criteria was exceeded; associated samples have been estimated (J) if detected and (UJ) if not detected. All pesticide calibration criteria were acceptable.

Blanks VOC method blanks and three trip blanks and two field blanks were analyzed. Two VOC method blanks contained methylene chloride and the holding blank contained acetone. Field blanks and trip blanks contained acetone, benzene, bromodichloromethane, chloroform, methylene chloride, toluene, chloromethane, and/or cis 1, 2-DCE Sample results were qualified using the 5x/10x rule as undetected at the sample result or the CRQL, whichever was greater.

SVOC method blanks and field blanks were analyzed. Phenol was detected in each field blank and has been attributed to the PVC tubing used on the sampling pumps. Di-n-butylphthalate was detected in one method blank. Sample results were qualified using the 5x/10x rule as undetected at the sample result or the CRQL, whichever was greater.

Pesticide/PCB method blanks and field blanks were analyzed. No compounds were detected.

Surrogates All VOC surrogate recoveries were within QC limits. Surrogates were not added to 11 samples, thus 0% recoveries were reported. Each of these samples were re-extracted but past acceptable hold times, but surrogate recoveries were acceptable. The original results were used. If detected compounds are qualified (J) estimated, if not detected compounds are qualified (UJ).
For pesticide/PCB surrogate recoveries, 25 surrogates were outside advisory QC limits (35-59% recovery). Six samples had high recoveries but nothing was detected in the samples, thus no action. Six samples had low recoveries but nothing detected , these samples are qualified (UJ).

Matrix Spikes VOC and pesticide matrix spike recoveries and RPDs were within acceptable QC limits. The initial SVOC MS/MSD analysis did not have a spike added. During subsequent re-extraction and analysis 4-chloroanailine had a 0% recovery due to poor extraction techniques. 4-nitroanaline was qualified (R) unusable in MW30 (the MS/MSD sample).

Field Duplicates VOC field duplicate results were within acceptable QC limits. SVOC field duplicate results were within acceptable QC limits. Pesticide/PCB field duplicate results were within acceptable QC limits.

Internal Standards All VOC internal standard results were within acceptable validation limits. All SVOC internal standard results were within acceptable validation limits except MW30RE and MW54RE perylene but these analyses were not used, thus no action was taken.

Laboratory Control Sample All recoveries acceptable except 4-chloroanailine, low recovery.

Compound Identification VOC target compound qualitative identification criteria, including RRTs and mass spectra criteria was acceptable. SVOC target compound qualitative identification criteria, including RRTs and mass spectra confirmation criteria was acceptable. Pesticide/PCB target compound qualitative identification criteria, including RRTs, scaling, baseline resolution, and dual column confirmation criteria was acceptable.

System Performance VOC system performance, including RIC baseline, resolution, and peak shape was acceptable. SVOC system performance, including RIC baseline, resolution, and peak shape was acceptable. Pesticide florisil and GPC cleanup check results were within acceptable QC limits.

Sample Results Overall data quality by the laboratory was good, with no significant instrument related problems observed.

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VALIDATION NARRATIVE

Project: ACS
Number: 1252042

Analysis: INORGANICS
Matrix: GW
SDG 12273

Validated By: SGW Date: 2-18-98

This narrative covers the validation of 17 groundwater samples from ACS for CLP inorganic analysis by IEA laboratories using CLP methodologies. Validation was performed using the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Analysis Review* (2/94)and USEPA Region 5 guidelines. The data is validated as acceptable for use in site evaluation with the following comments/qualifiers:

Hold Times All hold times (6 months for metals, 28 days for mercury, and 14 days for cyanide) were met.

Calibration All ICP calibration criteria (calibration/ICV/CCV) was acceptable. All cyanide calibration criteria (calibration/ICV/CCV) was acceptable. All mercury CV calibration criteria (calibration/ICV/CCV) were acceptable.

Blanks Initial, continuing, field, and prep blanks were analyzed. For blanks with analytes greater than the IDL but less than 5x the CRDL, associated sample results less than 5x the blank level were reported as undetected (U), for sample results greater than 5x the blank level were qualified as estimated (J). Aluminum, antimony, and zinc were qualified in many samples due to blank contamination.

Interference Check Sample All Solution AB recoveries were within ± 20% of the true value.

Laboratory Control Sample All LCS recoveries were within 80-120% recovery.

Lab and Field Duplicates Lab duplicate results were within acceptable QC limits (± 20% RPD). Field duplicate results were acceptable with the exception of chromium and iron results which did not agree within ± 25%.

Matrix Spikes All matrix spike recoveries and RPDs were within acceptable QC limits (75-125% recovery), except for aluminum, where the recovery was 125.3%; results have been estimated.

Furnace Atomic Absorption QC No graphite furnace runs were performed.

ICP Serial Dilution All ICP serial dilution results were within acceptable QC limits (± 10% Difference if original results greater than 50x IDL).

Sample Result Verification Calculations and transcriptions were review and were acceptable. Overall data quality by the laboratory was good, with no significant instrument related problems observed.

Additional Case Specific Problems No additional problems were observed with this case.

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VALIDATION NARRATIVE

Project: ACS
Number: 1252042

Analysis: VOCs, SVOCs, P/PCBs
Matrix: Groundwater
SDG: 12331

Validated By: SGW Date: 3-11-98

This narrative covers the validation of 5 groundwater samples from ACS for CLP organic analysis by AEN laboratories (formerly IEA) using CLP methodologies. Validation was performed using the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Analysis Review* (2/94) and USEPA Region 5 guidelines. The data is validated as acceptable for use in site evaluation with the following comments:

Hold Times All hold times were met.

Instrument Performance All VOC instrument BFB tuning criteria was acceptable. All SVOC instrument DFTPP tuning criteria was acceptable. All pesticide/PCB resolution check mixture, PEM DDT and endrin breakdown, florisil cartridge check and GPC calibration check QC criteria was acceptable.

Calibration All VOC calibration criteria was acceptable, except chloromethane which had %RSD and/or %D criteria were exceeded; associated sample concentrations have been estimated (J) if detected and qualified (UJ) if not detected. Acetone and 2-butanone had relative response factors less than 0.05 in initial and continuing calibration. Sample results are qualified (J) if detected and (R) unusable if not detected. Several SVOC calibration criteria were not acceptable. 2,2-oxybis1-chloropropane, 4-methylphenol, n-nitroso-di-n-propylamine, hexachlorocyclopentadiene, and 2,4-dinitrophenol were outside %D and/or %RSD criteria. If detected results are qualified (J), if not detected (UJ). All pesticide calibration criteria were acceptable.

Blanks VOC method blanks were analyzed. Two VOC method blank contained methylene chloride (0.1 and 0.2 ug/L). Sample results were qualified using the 5x/10x rule as undetected at the sample result or the CRQL, whichever was greater.

SVOC method blanks were analyzed, but no compounds were detected.

Pesticide/PCB method blanks were analyzed. No compounds were detected.

Surrogates All VOC and SVOC surrogate recoveries were within QC limits.
For pesticide/PCB surrogate recoveries, 5 surrogates were outside advisory QC limits (60-150% recovery). Recoveries were slightly low on one column due to a matrix interference, thus no action.

Matrix Spikes VOC matrix spike recoveries and RPDs were within acceptable QC limits. 4-chloroaniline and 2,4-dinitrotoluene had 0% recovery. 4-nitroanaline also 0% recovery in LCS. If not detected both compounds are qualified (R), unusable. Gamma-BHC 0% recovery, but other QC acceptable no action.

Field Duplicates A field duplicate was analyzed with this set of data. Methylene chloride was outside the 25% %D criteria in the sample and the duplicate and is qualified (J).

Internal Standards All VOC internal standard results were within acceptable validation limits. All SVOC internal standard results were within acceptable validation limits except IW4 and IW6 chrysene had low area counts. Associated compounds (pyrene, butylbenzylphthalate, 3,3'-dichlorobenzidine, benzo(a)anthracene, chrysene, and bis(2-ethylhexyl)phthalate) are qualified (J) if detected and (R), unusable, if not detected.

Laboratory Control Sample All recoveries acceptable except 4-chloroanailine had a low recovery.

Compound Identification VOC target compound qualitative identification criteria, including RRTs and mass spectra criteria was acceptable. SVOC target compound qualitative identification criteria, including RRTs and mass spectra confirmation criteria was acceptable. Pesticide/PCB target compound qualitative identification criteria, including RRTs, scaling, baseline resolution, and dual column confirmation criteria was acceptable.

System Performance VOC system performance, including RIC baseline, resolution, and peak shape was acceptable. SVOC system performance, including RIC baseline, resolution, and peak shape was acceptable. Pesticide florisil and GPC cleanup check results were within acceptable QC limits.

Sample Results Overall data quality by the laboratory was good, with no significant instrument related problems observed.

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VALIDATION NARRATIVE

Project: ACS
Number: 1252042

Analysis: INORGANICS
Matrix: GW
SDG 12331

Validated By: SGW Date: 3-11-98

This narrative covers the validation of 5 groundwater samples from ACS for inorganic analysis by AEN (formerly IEA) laboratories using CLP methodologies. Validation was performed using the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Analysis Review* (2/94)and USEPA Region 5 guidelines. The data is validated as acceptable for use in site evaluation with the following comments/qualifiers:

Hold Times All hold times (6 months for metals, 28 days for mercury, and 14 days for cyanide).

Calibration All ICP calibration criteria (calibration/ICV/CCV) was acceptable. All cyanide calibration criteria (calibration/ICV/CCV) was acceptable. All mercury CV calibration criteria (ICV/CCV) were acceptable.

Blanks Initial, continuing, and prep blanks were analyzed. For blanks with analytes greater than the IDL but less than 5x the CRDL, associated sample results less than 5x the blank level were reported as undetected (U). Lead and selenium were qualified in many samples due to blank contamination.

Interference Check Sample All Solution AB recoveries were within ± 20% of the true value.

Laboratory Control Sample All LCS recoveries were within 80-120% recovery.

Lab and Field Duplicates Lab duplicate results were within acceptable QC limits (± 20% RPD). Field duplicate results were acceptable with the exception of aluminum, chromium, copper, nickel, and zinc results which did not agree within ± 25%. Results are qualified (J).

Matrix Spikes All matrix spike recoveries and RPDs were within acceptable QC limits (75-125% recovery), except for cyanide, which the spike recovery was 61.9% ; results have been estimated (UJ) because nothing was detected in samples.

Furnace Atomic Absorption QC No graphite furnace runs were performed.

ICP Serial Dilution All ICP serial dilution results were within acceptable QC limits (± 10% Difference if original results greater than 50x IDL).

Sample Result Verification Calculations and transcriptions were review and were acceptable. Overall data quality by the laboratory was good, with no significant instrument related problems observed.

Additional Case Specific Problems No additional problems were observed with this case.

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1LCA

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW4D-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216709

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1216507.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: not dec. Date Analyzed: 12/16/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/l	Q
67-64-1	Acetone	R	5	U
71-43-2	Benzene	UJ	0.4	J
74-97-5	Bromochloromethane		1	U
75-27-4	Bromodichloromethane		1	U
75-25-2	Bromoform		1	U
74-83-9	Bromomethane		1	U
78-93-3	2-Butanone	R	5	U
75-15-0	Carbon Disulfide		1	U
56-23-5	Carbon Tetrachloride		1	U
108-90-7	Chlorobenzene		1	U
75-00-3	Chloroethane	J	0.1	J
67-66-3	Chloroform		1	U
74-87-3	Chloromethane		1	U
124-48-1	Dibromochloromethane		1	U
96-12-8	1,2-Dibromo-3-Chloropropane		1	U
106-93-4	1,2-Dibromoethane		1	U
95-50-1	1,2-Dichlorobenzene		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
75-34-3	1,1-Dichloroethane		1	U
107-06-2	1,2-Dichloroethane		1	U
75-35-4	1,1-Dichloroethene		1	U
156-59-2	Cis-1,2-Dichloroethene		1	U
156-60-5	Trans-1,2-Dichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
10061-01-5	Cis-1,3-Dichloropropene		1	U
10061-02-6	Trans-1,3-Dichloropropene		1	U
100-41-4	Ethylbenzene		1	U
591-78-6	2-Hexanone		5	U
75-09-2	Methylene Chloride		2	U
108-10-1	4-Methyl-2-Pentanone		5	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
127-18-4	Tetrachloroethene		1	U

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW4D-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216709

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1216507.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: not dec. Date Analyzed: 12/16/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	VJ 0.7	J
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	5	U

FORM I VOA

VALIDATED

1E

CLIENT SAMPLE NO

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW4D-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216709

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1216507.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: not dec. Date Analyzed: 12/16/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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1B

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW4D-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216709

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0106H09.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: decanted: (Y/N) Date Extracted: 12/15/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/l	Q
108-95-2	Phenol		6	
111-44-4	Bis(2-Chloroethyl)Ether		5	U
95-57-8	2-Chlorophenol		5	U
541-73-1	1,3-Dichlorobenzene		5	U
106-46-7	1,4-Dichlorobenzene		5	U
95-50-1	1,2-Dichlorobenzene		5	U
95-48-7	2-Methylphenol		5	U
108-60-1	2,2'-oxybis(1-Chloropropane)		5	U
106-44-5	4-Methylphenol		5	U
621-64-7	N-Nitroso-Di-N-Propylamine		5	U
67-72-1	Hexachloroethane		5	U
98-95-3	Nitrobenzene		5	U
78-59-1	Isophorone		5	U
88-75-5	2-Nitrophenol		5	U
105-67-9	2,4-Dimethylphenol		5	U
111-91-1	Bis(2-Chloroethoxy)Methane		5	U
120-83-2	2,4-Dichlorophenol		5	U
120-82-1	1,2,4-Trichlorobenzene		5	U
91-20-3	Naphthalene		5	U
106-47-8	4-Chloroaniline		5	U
87-68-3	Hexachlorobutadiene	UJ	5	U
59-50-7	4-Chloro-3-Methylphenol		5	U
91-57-6	2-Methylnaphthalene		5	U
77-47-4	Hexachlorocyclopentadiene		5	U
88-06-2	2,4,6-Trichlorophenol		5	U
95-95-4	2,4,5-Trichlorophenol		20	U
91-58-7	2-Chloronaphthalene		5	U
88-74-4	2-Nitroaniline		20	U
131-11-3	Dimethylphthalate		5	U
208-96-8	Acenaphthylene		5	U
606-20-2	2,6-Dinitrotoluene		5	U
99-09-2	3-Nitroaniline		20	U
83-32-9	Acenaphthene		5	U

VALIDATED

1C CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW4D-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216709

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0106H09.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: decanted: (Y/N) Date Extracted: 12/15/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

1F

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW4D-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216709

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0106H09.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: decanted: (Y/N) Date Extracted: 12/15/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000104-76-7	1-HEXANOL, 2-ETHYL-	9.31	12	JN
	UNKNOWN	10.13	2	J
	UNKNOWN	10.79	22	J
	UNKNOWN	13.35	5	J
	UNKNOWN	25.02	25	J

VALIDATED

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CLIENT SAMPLE NO.

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET ACS-GWMW4D-04

AEN, Inc.-NC

MW4D

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

Lab Code: IEA Case No.: 2240-104 DATE SAMPLED: 12/10/97 SDG No.: 12155

Lab Sample ID: 971216709 Date Received: 12/11/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/15/97 (5)

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/06/98 (22)

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L) CRQL MULTIPLIER = 1.00	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

VALIDATED

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

AGGWMW4D-04

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Code: AEN___ Case No:2240_104___ SAS No.: _____ SDG No.: 12155_

Matrix (soil/water): WATER Lab Sample ID: 971216709

Level (low/med): LOW__ Date Received: 12/11/98

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1820			P
7440-36-0	Antimony	1.3	B		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	207			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	100000			P
7440-47-3	Chromium	9.1	B		P
7440-48-4	Cobalt	1.9	B		P
7440-50-8	Copper	U 11.3	B		P
7439-89-6	Iron	4290			P
7439-92-1	Lead	2.2	B		P
7439-95-4	Magnesium	45500			P
7439-96-5	Manganese	84.1			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	8.7	B		P
7440-09-7	Potassium	J 5290		E	P
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	75700			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	3.0	B		P
7440-66-6	Zinc	U 17.7	B		P
	Cyanide	10.0	U		CA

Color Before: BROWN____ Clarity Before: CLOUDY Texture: _____

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

_____

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VALIDATED

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW07-04

DATE SAMPLED: 12/12/97

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971222408

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1217E09.D

Level: (low/med) LOW Date Received: 12/13/97 (7)

% Moisture: not dec. Date Analyzed: 12/18/97 (6)

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CRQL MULTIPLIER = 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/l	Q
67-64-1	Acetone	R	5	U
71-43-2	Benzene		1	U
74-97-5	Bromochloromethane		1	U
75-27-4	Bromodichloromethane		1	U
75-25-2	Bromoform		1	U
74-83-9	Bromomethane		1	U
78-93-3	2-Butanone	R	5	U
75-15-0	Carbon Disulfide		1	U
56-23-5	Carbon Tetrachloride		1	U
108-90-7	Chlorobenzene		1	U
75-00-3	Chloroethane		1	U
67-66-3	Chloroform		1	U
74-87-3	Chloromethane	J	0.3	J
124-48-1	Dibromochloromethane		1	U
96-12-8	1,2-Dibromo-3-Chloropropane		1	U
106-93-4	1,2-Dibromoethane		1	U
95-50-1	1,2-Dichlorobenzene		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
75-34-3	1,1-Dichloroethane		1	U
107-06-2	1,2-Dichloroethane		1	U
75-35-4	1,1-Dichloroethene		1	U
156-59-2	Cis-1,2-Dichloroethene		1	U
156-60-5	Trans-1,2-Dichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
10061-01-5	Cis-1,3-Dichloropropene		1	U
10061-02-6	Trans-1,3-Dichloropropene		1	U
100-41-4	Ethylbenzene		1	U
591-78-6	2-Hexanone		5	U
75-09-2	Methylene Chloride	24	0.3	J
108-10-1	4-Methyl-2-Pentanone		5	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
127-18-4	Tetrachloroethene		1	U

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW07-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971222408

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1217E09.D

Level: (low/med) LOW Date Received: 12/13/97

% Moisture: not dec. Date Analyzed: 12/18/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	14 0.2	J
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	5	U

VALIDATED

1E

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW07-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971222408

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1217E09.D

Level: (low/med) LOW Date Received: 12/13/97

% Moisture: not dec. Date Analyzed: 12/18/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

VALIDATED

1B

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW07-04

Lab Name: AEN-NC Method: SOW 691

DATE SAMPLED: 12/12/97

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971222408

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0107810.D

Level: (low/med) LOW Date Received: 12/13/97 (1)

% Moisture: decanted: (Y/N) Date Extracted: 12/17/97 (5)

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/07/98 (21)

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: CRQL MULTIPLIER = 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	46	
111-44-4	Bis(2-Chloroethyl)Ether	5	U
95-57-8	2-Chlorophenol	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-Di-N-Propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	Bis(2-Chloroethoxy)Methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-Methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

VALIDATED

1C

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW07-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971222408

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0107810.D

Level: (low/med) LOW Date Received: 12/13/97

% Moisture: decanted: (Y/N) Date Extracted: 12/17/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/07/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	4 J	J
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

VALIDATED

1F

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW07-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971222408

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0107810.D

Level: (low/med) LOW Date Received: 12/13/97

% Moisture: decanted: (Y/N) Date Extracted: 12/17/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/07/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 10

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000104-76-7	1-HEXANOL, 2-ETHYL-	9.51	17	JN
	Unknown	13.72	14	J
	Unknown	16.71	13	J
	Unknown	17.58	950	J
000098-57-7	BENZENE, 1-CHLORO-4-(METHYLS	17.77	42	JN
	Unknown	18.53	15	J
	Unknown	20.81	100	J
002440-22-4	DROMETRIZOLE	23.59	25	JN
	Unknown	26.49	29	J
	Unknown	28.47	110	J

→ 000098-57-7 BENZENE, 1-CHLORO-4-(METHYLSULFONYL) 17.77 42 JN

FORM I SV-TIC

VALIDATED

1LCD

CLIENT SAMPLE NO.

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET ACS-GWMW07-04

AEN, INC. - NC

MW07

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

DATE SAMPLED: 12/12/97

Lab Code: IEA Case No.: 2240-108 SDG No.: 12202

Lab Sample ID: 971222408 Date Received: 12/13/97 (13)

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/17/97 (5)

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/10/98 (24)

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L) CRQL MULTIPLIER=1.00	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
ACS-GWMW07-04
MW07

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Lab Code: AEN___ Case No:2240_108___ SAS No.: _____ SDG No.: 12202_

Matrix (soil/water): WATER Lab Sample ID: 971222408

Level (low/med): LOW__ Date Received: 12/13/97
12/12/97

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	60.9	B		P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	J 153	B	E	P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.1	B		P
7440-70-2	Calcium	98600			P
7440-47-3	Chromium	5.9	B		P
7440-48-4	Cobalt	1.0	U		P
7440-50-8	Copper	18.1	B		P
7439-89-6	Iron	863			P
7439-92-1	Lead	1.9	B	*	P
7439-95-4	Magnesium	J 5550			P
7439-96-5	Manganese	20.8			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	16.8	B		P
7440-09-7	Potassium	J 4190	B	E	P
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	27500			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	1.0	U		P
7440-66-6	Zinc	41.9			P
	Cyanide	10.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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_____

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VALIDATED

1LCA CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW08-04

Lab Name: AEN-NC Method: SOW 691

DATE SAMPLED: 12/12/97

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971222404

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1217512.D

Level: (low/med) LOW Date Received: 12/13/97

% Moisture: not dec. Date Analyzed: 12/17/97 (5)

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CRDL MULTIPLIER = 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
67-64-1	Acetone	R 5	U
71-43-2	Benzene	1	U
74-97-5	Bromochloromethane	1	U
75-27-4	Bromodichloromethane	1	U
75-25-2	Bromoform	1	U
74-83-9	Bromomethane	1	U
78-93-3	2-Butanone	R 5	U
75-15-0	Carbon Disulfide	1	U
56-23-5	Carbon Tetrachloride	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
67-66-3	Chloroform	1	U
74-87-3	Chloromethane	1	U
124-48-1	Dibromochloromethane	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
106-93-4	1,2-Dibromoethane	1	U
95-50-1	1,2-Dichlorobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
75-34-3	1,1-Dichloroethane	1	U
107-06-2	1,2-Dichloroethane	1	U
75-35-4	1,1-Dichloroetnene	1	U
156-59-2	Cis-1,2-Dichloroethene	1	U
156-60-5	Trans-1,2-Dichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	Cis-1,3-Dichloropropene	1	U
10061-02-6	Trans-1,3-Dichloropropene	1	U
100-41-4	Ethylbenzene	1	U
591-78-6	2-Hexanone	5	U
75-09-2	Methylene Chloride	2	U
108-10-1	4-Methyl-2-Pentanone	5	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
127-18-4	Tetrachloroethene	1	U

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW08-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971222404

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1217512.D

Level: (low/med) LOW Date Received: 12/13/97

% Moisture: not dec. Date Analyzed: 12/17/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	1	U
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	0.2	J

VALIDATED

1E

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACS-GWMW08-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971222404

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1217512.D

Level: (low/med) LOW Date Received: 12/13/97

% Moisture: not dec. Date Analyzed: 12/17/97

GC Column: DB-624 ID: .53 (mm) Dilution Factor: 1.0

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

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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VALIDATED

1B

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW08-04

DATE SAMPLED: 12/12/97

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971222404

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0107806.D

Level: (low/med) LOW Date Received: 12/13/97

% Moisture: decanted: (Y/N) Date Extracted: 12/17/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/07/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: CRQL MULTIPLIER = 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	5	U
111-44-4	Bis(2-Chloroethyl)Ether	5	U
95-57-8	2-Chlorophenol	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-Di-N-Propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	Bis(2-Chloroethoxy)Methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-Methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

VALIDATED

1C

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW08-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971222404

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0107806.D

Level: (low/med) LOW Date Received: 12/13/97

% Moisture: decanted: (Y/N) Date Extracted: 12/17/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/07/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

VALIDATED

1F

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW08-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971222404

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0107806.D

Level: (low/med) LOW Date Received: 12/13/97

% Moisture: decanted: (Y/N) Date Extracted: 12/17/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/07/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I SV-TIC

VALIDATED

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
ACS-GWMW08-04

MW08

Lab Name: INDUSTRIAL & ENVIRONMENTA (AEN, INC.) Contract: SOW 6/91

Lab Code: IEA Case No.: 2240-108

DATE SAMPLED: 12/12/97
SDG No.: 12202

Lab Sample ID: 971222404

Date Received: 12/13/97 (1)

Sample wt/vol: 1000 (g/mL) ML

Date Extracted: 12/17/97 (5)

Concentrated Extract Volume: 2000(uL)

Date Analyzed: 01/09/98 (33)

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N

pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L) CRQL MULTIPLIER = 1.00	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
ACS-GWMW08-04

MW08

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Lab Code: AEN___ Case No:2240_108___ SAS No.: _____ SDG No.: 12202_

Matrix (soil/water): WATER Lab Sample ID: 971222404

Level (low/med): LOW__ Date Received: 12/13/97
12/12/97

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16.0	U		P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	2.5	B		P
7440-39-3	Barium	J 105	B	E	P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	50900			P
7440-47-3	Chromium	2.3	B		P
7440-48-4	Cobalt	1.0	U		P
7440-50-8	Copper	4.8	B		P
7439-89-6	Iron	814			P
7439-92-1	Lead	1.0	U	*	P
7439-95-4	Magnesium	J 16000			P
7439-96-5	Manganese	80.0			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	3.3	B		P
7440-09-7	Potassium	J 1230	B	E	P
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	13000			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	1.0	U		P
7440-66-6	Zinc	15.5	B		P
	Cyanide	10.1			CA

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN

VALIDATED

3/90

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW08-94

Lab Name: AEN-NC Method: SOW 691

DATE SAMPLED: 12/12/97

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971222405

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1217E06.D

Level: (low/med) LOW Date Received: 12/13/97 (1)

% Moisture: not dec. Date Analyzed: 12/18/97 (6)

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CRQL MULTIPLIER = 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l		Q
67-64-1	Acetone	R	5	U
71-43-2	Benzene		1	U
74-97-5	Bromochloromethane		1	U
75-27-4	Bromodichloromethane		1	U
75-25-2	Bromoform		1	U
74-83-9	Bromomethane		1	U
78-93-3	2-Butanone	R	5	U
75-15-0	Carbon Disulfide		1	U
56-23-5	Carbon Tetrachloride		1	U
108-90-7	Chlorobenzene		1	U
75-00-3	Chloroethane		1	U
67-66-3	Chloroform		1	U
74-87-3	Chloromethane		1	U
124-48-1	Dibromochloromethane		1	U
96-12-8	1,2-Dibromo-3-Chloropropane		1	U
106-93-4	1,2-Dibromoethane		1	U
95-50-1	1,2-Dichlorobenzene		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
75-34-3	1,1-Dichloroethane		1	U
107-06-2	1,2-Dichloroethane		1	U
75-35-4	1,1-Dichloroethene		1	U
156-59-2	Cis-1,2-Dichloroethene		1	U
156-60-5	Trans-1,2-Dichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
10061-01-5	Cis-1,3-Dichloropropene		1	U
10061-02-6	Trans-1,3-Dichloropropene		1	U
100-41-4	Ethylbenzene		1	U
591-78-6	2-Hexanone		5	U
75-09-2	Methylene Chloride		2	U
108-10-1	4-Methyl-2-Pentanone		5	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
127-18-4	Tetrachloroethene		1	U

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW08-94

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971222405

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1217E06.D

Level: (low/med) LOW Date Received: 12/13/97

% Moisture: not dec. Date Analyzed: 12/18/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	1	U
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	J 0.1	J

VALIDATED

1E

CLIENT SAMPLE NO

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW08-94

Lab Name: AEN-NC   Method: SOW 691

Lab Code: AEN   Case No.: 2240-108   SDG No.: 12202

Matrix: (soil/water) WATER   Lab Sample ID: 971222405

Sample wt/vol: 25 (g/mL) ml   Lab File ID: 1217E06.D

Level: (low/med) LOW   Date Received: 12/13/97

% Moisture: not dec.   Date Analyzed: 12/18/97

GC Column: DB-624 ID: .53(mm)   Dilution Factor: 1.0

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

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

VALIDATED

1B

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW08-94

Lab Name: AEN-NC Method: SOW 691

DATE SAMPLED: 12/12/97

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971222405

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0107807.D

Level: (low/med) LOW Date Received: 12/13/97 (1)

% Moisture: decanted: (Y/N) Date Extracted: 12/17/97 (5)

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/07/98 (31)

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: CRQL MULTIPLIER = 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	4 9	
111-44-4	Bis(2-Chloroethyl)Ether	5	U
95-57-8	2-Chlorophenol	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-Di-N-Propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	Bis(2-Chloroethoxy)Methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-Methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

VALIDATED

1C

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW08-94

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971222405

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0107807.D

Level: (low/med) LOW Date Received: 12/13/97

% Moisture: decanted: (Y/N) Date Extracted: 12/17/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/07/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

VALIDATED

1F

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW08-94

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971222405

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0107807.D

Level: (low/med) LOW Date Received: 12/13/97

% Moisture: decanted: (Y/N) Date Extracted: 12/17/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/07/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I SV-TIC

VALIDATED

1LCD

CLIENT SAMPLE NO.

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET ACS-GWMW08-94

AEN, INC.

MW089

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

DATE SAMPLED: 12/12/97

Lab Code: IEA Case No.: 2240-108 SDG No.: 12202

Lab Sample ID: 971222405 Date Received: 12/13/97 (1)

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/17/97 (5)

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/09/98 (23)

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L) CRQL MULTIPLIER = 1.00	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
ACS-GWMW08-94
MW089

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Lab Code: AEN___ Case No:2240_108___ SAS No.: _____ SDG No.: 12202_

Matrix (soil/water): WATER Lab Sample ID: 971222405

Level (low/med): LOW__ Date Received: 12/13/97

% Solids: __0.0 12/12/97

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16.0	U		P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	3.5	B		P
7440-39-3	Barium	J 103	B	E	P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	50300			P
7440-47-3	Chromium	2.6	B		P
7440-48-4	Cobalt	1.0	U		P
7440-50-8	Copper	4.0	B		P
7439-89-6	Iron	843			P
7439-92-1	Lead	1.0	U	*	P
7439-95-4	Magnesium	J 15700			P
7439-96-5	Manganese	80.7			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	3.8	B		P
7440-09-7	Potassium	J 1090	B	E	P
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	12600			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	1.0	U		P
7440-66-6	Zinc	12.4	B		P
	Cyanide	10.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

_____

_____

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FORM I - IN

VALIDATED 3/90

1LCA CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW09-04

12:18.98

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-117 SDG No.: 12331

Matrix: (soil/water) WATER Lab Sample ID: 971233101

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1224E06.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: not dec. Date Analyzed: 12/25/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 100

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
67-64-1	Acetone	R 500	U
71-43-2	Benzene	260	
74-97-5	Bromochloromethane	100	U
75-27-4	Bromodichloromethane	100	U
75-25-2	Bromoform	100	U
74-83-9	Bromomethane	100	U
78-93-3	2-Butanone	R 500	U
75-15-0	Carbon Disulfide	100	U
56-23-5	Carbon Tetrachloride	100	U
108-90-7	Chlorobenzene	100	U
75-00-3	Chloroethane	2000	
67-66-3	Chloroform	100	U
74-87-3	Chloromethane	100	U
124-48-1	Dibromochloromethane	100	U
96-12-8	1,2-Dibromo-3-Chloropropane	100	U
106-93-4	1,2-Dibromoethane	100	U
95-50-1	1,2-Dichlorobenzene	100	U
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1,4-Dichlorobenzene	100	U
75-34-3	1,1-Dichloroethane	100	U
107-06-2	1,2-Dichloroethane	100	U
75-35-4	1,1-Dichloroethene	100	U
156-59-2	Cis-1,2-Dichloroethene	100	U
156-60-5	Trans-1,2-Dichloroethene	100	U
78-87-5	1,2-Dichloropropane	100	U
10061-01-5	Cis-1,3-Dichloropropene	100	U
10061-02-6	Trans-1,3-Dichloropropene	100	U
100-41-4	Ethylbenzene	100	U
591-78-6	2-Hexanone	500	U
75-09-2	Methylene Chloride	J 76	J
108-10-1	4-Methyl-2-Pentanone	500	U
100-42-5	Styrene	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
127-18-4	Tetrachloroethene	100	U

FORM I VOA

VALIDATED

1LCA

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW09-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-117 SDG No.: 12331

Matrix: (soil/water) WATER Lab Sample ID: 971233101

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1224E06.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: not dec. Date Analyzed: 12/25/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 100

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	100	U
71-55-6	1,1,1-Trichloroethane	100	U
79-00-5	1,1,2-Trichloroethane	100	U
79-01-6	Trichloroethene	100	U
75-01-4	Vinyl Chloride	100	U
1330-20-7	Xylene (Total)	500	U

VALIDATED

1E

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW09-04

Lab Name: AEN-NC   Method: SOW 691

Lab Code: AEN   Case No.: 2240-117   SDG No.: 12331

Matrix: (soil/water) WATER   Lab Sample ID: 971233101

Sample wt/vol: 25 (g/mL) ml   Lab File ID: 1224E06.D

Level: (low/med) LOW   Date Received: 12/19/97

% Moisture: not dec.   Date Analyzed: 12/25/97

GC Column: DB-624 ID: .53(mm)   Dilution Factor: 100.0

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

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

VALIDATED

FORM I VOA-TIC

1B

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW09-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-117 SDG No.: 12331

Matrix: (soil/water) WATER Lab Sample ID: 971233101

Sample wt/vol: 500 (g/mL) ml Lab File ID: 0109814.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 500(uL) Date Analyzed: 01/10/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	22	
111-44-4	Bis(2-Chloroethyl)Ether	35	
95-57-8	2-Chlorophenol	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	UJ 5	U
106-44-5	4-Methylphenol	UJ 5	U
621-64-7	N-Nitroso-Di-N-Propylamine	UJ 5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	1	J
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	Bis(2-Chloroethoxy)Methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	~~UJ~~R 5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-Methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	UJ 5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

VALIDATED

1C

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW09-04

e: AEN-NC Method: SOW 691

Code: AEN Case No.: 2240-117 SDG No.: 12331

rix: (soil/water) WATER Lab Sample ID: 971233101

ple wt/vol: 500 (g/mL) ml Lab File ID: 0109814.D

vel: (low/med) LOW Date Received: 12/19/97

Moisture: decanted: (Y/N) Date Extracted: 12/23/97

ncentrated Extract Volume: 500(uL) Date Analyzed: 01/10/98

jection Volume: 2.0 (uL) Dilution Factor: 1.0

PC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	UJ 20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	~~UJ~~R 5	U
-66-2	Diethylphthalate	5	U
005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	0.8	J
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

VALIDATED

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW09-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-117 SDG No.: 12331

Matrix: (soil/water) WATER Lab Sample ID: 971233101

Sample wt/vol: 500 (g/mL) ml Lab File ID: 0109814.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 500(uL) Date Analyzed: 01/10/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 20

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	SUBSTITUTED PROPANOL ISOMER	8.78	13	J
	SUBSTITUTED PROPANOL ISOMER	8.87	12	J
	UNKNOWN	9.08	15	J
	UNKNOWN	9.32	19	J
000873-94-9	CYCLOHEXANONE, 3,3,5-TRIMETH	9.55	150	JN
	UNKNOWN	9.77	42	J
000105-57-7	ETHANE, 1,1-DIETHOXY-	10.25	26	JN
	UNKNOWN	10.92	76	J
003302-10-1	HEXANOIC ACID, 3,5,5-TRIMETH	11.49	14	JN
	UNKNOWN	12.27	14	J
	SUBSTITUTED PROPANOL ISOMER	13.62	17	J
	SUBSTITUTED PROPANOL ISOMER	13.71	20	J
	SUBSTITUTED PROPANOL ISOMER	13.76	15	J
	UNKNOWN	13.91	19	J
	UNKNOWN	13.96	18	J
	UNKNOWN	16.18	12	J
	UNKNOWN	16.76	16	J
000057-10-3	HEXADECANOIC ACID	21.87	18	JNX
000057-11-4	OCTADECANOIC ACID	23.88	39	JN
	UNKNOWN	26.15	12	J

VALIDATED

1LCD

CLIENT SAMPLE NO.

I CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

MW09

me: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

de: IEA Case No.: 2240-117 SDG No.: 12331

mple ID: 971233101 Date Received: 12/19/97

e wt/vol: 1000 (g/mL) ML Date Extracted:12/23/97

ntrated Extract Volume: 2000(uL) Date Analyzed: 01/14/98

tion Volume: 1.0(uL) Dilution Factor: 1.0

r Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

VALIDATED

INORGANIC ANALYSES DATA SHEET

MW0904

12-18-97

ab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

ab Code: AEN___ Case No:2240_117___ SAS No.: _____ SDG No.: 12331_

atrix (soil/water): WATER Lab Sample ID: 971233101

evel (low/med): LOW__ Date Received: 12/19/97

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	J 908			P
7440-36-0	Antimony	UJ 2.0	B		P
7440-38-2	Arsenic	4.2	B		P
7440-39-3	Barium	325			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	152000			P
7440-47-3	Chromium	J 14.6			P
7440-48-4	Cobalt	6.1	B		P
7440-50-8	Copper	J 10.8	B		P
7439-89-6	Iron	15900			P
7439-92-1	Lead	U 3.9			P
7439-95-4	Magnesium	26700			P
7439-96-5	Manganese	205			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	J 15.5	B		P
7440-09-7	Potassium	11200		~~B~~	P
7782-49-2	Selenium	UJ 2.7	B		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	87500			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	5.9	B		P
7440-66-6	Zinc	J 27.1			P
	Cyanide	10.0	U		CA

Color Before: PINK_____ Clarity Before: CLEAR_ Texture: _____

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN

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VALIDATED

1LCA CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW09-94

12-18-97

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-117 SDG No.: 12331

Matrix: (soil/water) WATER Lab Sample ID: 971233102

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1224E09.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: not dec. Date Analyzed: 12/25/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 100

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/l	Q
67-64-1	Acetone	R	500	U
71-43-2	Benzene		270	
74-97-5	Bromochloromethane		100	U
75-27-4	Bromodichloromethane		100	U
75-25-2	Bromoform		100	U
74-83-9	Bromomethane		100	U
78-93-3	2-Butanone	R	500	U
75-15-0	Carbon Disulfide		100	U
56-23-5	Carbon Tetrachloride		100	U
108-90-7	Chlorobenzene		100	U
75-00-3	Chloroethane		2100	
67-66-3	Chloroform		100	U
74-87-3	Chloromethane		100	U
124-48-1	Dibromochloromethane		100	U
96-12-8	1,2-Dibromo-3-Chloropropane		100	U
106-93-4	1,2-Dibromoethane		100	U
95-50-1	1,2-Dichlorobenzene		100	U
541-73-1	1,3-Dichlorobenzene		100	U
106-46-7	1,4-Dichlorobenzene		100	U
75-34-3	1,1-Dichloroethane		100	U
107-06-2	1,2-Dichloroethane		100	U
75-35-4	1,1-Dichloroethene		100	U
156-59-2	Cis-1,2-Dichloroethene		100	U
156-60-5	Trans-1,2-Dichloroethene		100	U
78-87-5	1,2-Dichloropropane		100	U
10061-01-5	Cis-1,3-Dichloropropene		100	U
10061-02-6	Trans-1,3-Dichloropropene		100	U
100-41-4	Ethylbenzene		100	U
591-78-6	2-Hexanone		500	U
75-09-2	Methylene Chloride	J	120	J
108-10-1	4-Methyl-2-Pentanone		500	U
100-42-5	Styrene		100	U
79-34-5	1,1,2,2-Tetrachloroethane		100	U
127-18-4	Tetrachloroethene		100	U

FORM I VOA

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW09-94

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-117 SDG No.: 12331

Matrix: (soil/water) WATER Lab Sample ID: 971233102

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1224E09.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: not dec. Date Analyzed: 12/25/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 100

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	100	U
71-55-6	1,1,1-Trichloroethane	100	U
79-00-5	1,1,2-Trichloroethane	100	U
79-01-6	Trichloroethene	100	U
75-01-4	Vinyl Chloride	100	U
1330-20-7	Xylene (Total)	500	U

VALIDATED

1E

CLIENT SAMPLE NO

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW09-94

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-117 SDG No.: 12331

Matrix: (soil/water) WATER Lab Sample ID: 971233102

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1224E09.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: not dec. Date Analyzed: 12/25/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 100.0

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

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

VALIDATED

1B CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW09-94

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-117 SDG No.: 12331

Matrix: (soil/water) WATER Lab Sample ID: 971233102

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0112H12.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/13/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	22	
111-44-4	Bis(2-Chloroethyl)Ether	46	
95-57-8	2-Chlorophenol	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-Di-N-Propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	Bis(2-Chloroethoxy)Methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	UJR 5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-Methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	UJ 5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

VALIDATED

1C

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW09-94

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-117 SDG No.: 12331

Matrix: (soil/water) WATER Lab Sample ID: 971233102

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0112H12.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/13/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	~~5~~ R 5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	0.6	J
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

VALIDATED

CLIENT SAMPLE NC

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW09-94

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-117 SDG No.: 12331

Matrix: (soil/water) WATER Lab Sample ID: 971233102

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0112H12.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/13/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 21

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	SUBSTITUTED PROPANOL ISOMER	8.72	12	J
	SUBSTITUTED PROPANOL ISOMER	8.80	13	J
	UNKNOWN	9.02	16	J
	UNKNOWN	9.28	31	J
	UNKNOWN	9.39	10	J
000873-94-9	CYCLOHEXANONE, 3,3,5-TRIMETH	9.50	170	JN
	UNKNOWN	11.54	17	J
	UNKNOWN	12.20	20	J
	UNKNOWN	12.48	12	J
	UNKNOWN	13.93	21	J
	UNKNOWN	13.99	34	J
000085-44-9	PHTHALIC ANHYDRIDE	14.19	12	JN
000480-63-7	BENZOIC ACID, 2,4,6-TRIMETHY	15.81	14	JN
	SUBSTITUTED BENZENE	16.07	18	J
	UNKNOWN	21.14	14	J
	UNKNOWN	21.22	12	J
	UNKNOWN	21.54	13	J
	UNKNOWN	22.31	11	J
	UNKNOWN	25.65	17	J
	UNKNOWN	26.37	14	J
	UNKNOWN	29.26	11	J

VALIDATED

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW0994

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

Lab Code: IEA Case No.: 2240-117 SDG No.: 12331

Lab Sample ID: 971233102 Date Received: 12/19/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted:12/23/97

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/14/98

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

VALIDATED

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.: MW0994

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Lab Code: AEN___ Case No:2240_117___ SAS No.: _____ SDG No.: 12331_ 12-18-97

Matrix (soil/water): WATER Lab Sample ID: 971233102

Level (low/med): LOW__ Date Received: 12/19/97

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	J 290			P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	2.4	B		P
7440-39-3	Barium	310			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	143000			P
7440-47-3	Chromium	J 4.8	B		P
7440-48-4	Cobalt	4.4	B		P
7440-50-8	Copper	J 6.9	B		P
7439-89-6	Iron	14100			P
7439-92-1	Lead	UJ 2.1	B		P
7439-95-4	Magnesium	24700			P
7439-96-5	Manganese	176			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	J 8.3	B		P
7440-09-7	Potassium	10500		~~E~~	P
7782-49-2	Selenium	UJ 3.7	B		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	86100			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	4.0	B		P
7440-66-6	Zinc	J 16.5	B		P
	Cyanide	10.0	U		CA

Color Before: PINK_____ Clarity Before: CLEAR_ Texture: _____

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN 3/90

VALIDATED

1LCA CLIENT SAMPLE NO

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW10C-04

12.18.97

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-117 SDG No.: 12331

Matrix: (soil/water) WATER Lab Sample ID: 971233104

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1229114.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: not dec. Date Analyzed: 12/29/97

GC Column: DB-624 ID: 0.53(mm) Dilution Factor: 12.5

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
67-64-1	Acetone	R 62	U
71-43-2	Benzene	12	U
74-97-5	Bromochloromethane	12	U
75-27-4	Bromodichloromethane	12	U
75-25-2	Bromoform	12	U
74-83-9	Bromomethane	UJ 12	U
78-93-3	2-Butanone	R 62	U
75-15-0	Carbon Disulfide	12	U
56-23-5	Carbon Tetrachloride	12	U
108-90-7	Chlorobenzene	12	U
75-00-3	Chloroethane	160	
67-66-3	Chloroform	12	U
74-87-3	Chloromethane	UJ 12	U
124-48-1	Dibromochloromethane	12	U
96-12-8	1,2-Dibromo-3-Chloropropane	12	U
106-93-4	1,2-Dibromoethane	12	U
95-50-1	1,2-Dichlorobenzene	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
75-34-3	1,1-Dichloroethane	12	U
107-06-2	1,2-Dichloroethane	12	U
75-35-4	1,1-Dichloroethene	12	U
156-59-2	Cis-1,2-Dichloroethene	12	U
156-60-5	Trans-1,2-Dichloroethene	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	Cis-1,3-Dichloropropene	12	U
10061-02-6	Trans-1,3-Dichloropropene	12	U
100-41-4	Ethylbenzene	12	U
591-78-6	2-Hexanone	62	U
75-09-2	Methylene Chloride	U 3	JB
108-10-1	4-Methyl-2-Pentanone	62	U
100-42-5	Styrene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
127-18-4	Tetrachloroethene	12	U

VALIDATED

1LCA

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW10C-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-117 SDG No.: 12331

Matrix: (soil/water) WATER Lab Sample ID: 971233104

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1229114.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: not dec. Date Analyzed: 12/29/97

GC Column: DB-624 ID: 0.53(mm) Dilution Factor: 12.5

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	12	U
71-55-6	1,1,1-Trichloroethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
79-01-6	Trichloroethene	12	U
75-01-4	Vinyl Chloride	12	U
1330-20-7	Xylene (Total)	62	U

VALIDATED

1E

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW10C-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-117 SDG No.: 12331

Matrix: (soil/water) WATER Lab Sample ID: 971233104

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1229114.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: not dec. Date Analyzed: 12/29/97

GC Column: DB-624 ID: 0.53(mm) Dilution Factor: 12.5

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

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000060-29-7	ETHER	3.96	580	JN

FORM I VOA-TIC

VALIDATED

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW10C-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-117 SDG No.: 12331

Matrix: (soil/water) WATER Lab Sample ID: 971233104

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0112H10.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/13/98

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	130	
111-44-4	Bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-N-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	40	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	40	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	40	U
83-32-9	Acenaphthene	10	U

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW10C-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-117 SDG No.: 12331

Matrix: (soil/water) WATER Lab Sample ID: 971233104

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0112H10.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/13/98

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	40	U
100-02-7	4-Nitrophenol	40	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10 R	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	40	U
534-52-1	4,6-Dinitro-2-Methylphenol	40	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	40	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-N-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	2	J
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	25	
117-84-0	Di-N-Octylphthalate	3	J
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	10	U
53-70-3	Dibenz(A,H)Anthracene	10	U
191-24-2	Benzo(G,H,I)Perylene	10	U

VALID

1F

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW10C-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-117 SDG No.: 12331

Matrix: (soil/water) WATER Lab Sample ID: 971233104

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0112H10.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/13/98

Injection Volume: 2 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	SUBSTITUTED PROPANOL ISOMER	8.74	28	J
	SUBSTITUTED PROPANOL ISOMER	8.81	36	J
000104-76-7	1-HEXANOL, 2-ETHYL-	9.26	37	JN
	UNKNOWN	9.89	34	J
	UNKNOWN	10.76	46	J

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW10C

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

Lab Code: IEA Case No.: 2240-117 SDG No.: 12331

Lab Sample ID: 971233104 Date Received: 12/19/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/23/97

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/14/98

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

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INORGANIC ANALYSES DATA SHEET

MW10C

12/18/97

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Lab Code: AEN___ Case No:2240_117___ SAS No.: _____ SDG No.: 12331_

Matrix (soil/water): WATER Lab Sample ID: 971233104

Level (low/med): LOW__ Date Received: 12/19/97

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6830			P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	5.9	B		P
7440-39-3	Barium	350			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	136000			P
7440-47-3	Chromium	50.7			P
7440-48-4	Cobalt	12.9	B		P
7440-50-8	Copper	29.0			P
7439-89-6	Iron	19000			P
7439-92-1	Lead	15.2			P
7439-95-4	Magnesium	62100			P
7439-96-5	Manganese	348			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	50.4			P
7440-09-7	Potassium	8190		E	P
7782-49-2	Selenium	UJ 2.3	B		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	192000			P
7440-28-0	Thallium	2.1	B		P
7440-62-2	Vanadium	13.6	B		P
7440-66-6	Zinc	95.3			P
	Cyanide	10.0	U		CA

Color Before: BROWN____ Clarity Before: CLOUDY Texture: _____

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

_____

_____

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FORM I - IN

3/90

1LCA CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW21-04

12.18.97

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-117 SDG No.: 12331

Matrix: (soil/water) WATER Lab Sample ID: 971233105

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1229113.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: not dec. Date Analyzed: 12/29/97

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
67-64-1	Acetone	R J 3	J
71-43-2	Benzene	1	U
74-97-5	Bromochloromethane	1	U
75-27-4	Bromodichloromethane	1	U
75-25-2	Bromoform	1	U
74-83-9	Bromomethane	1	U
78-93-3	2-Butanone	R 5	U
75-15-0	Carbon Disulfide	1	U
56-23-5	Carbon Tetrachloride	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
67-66-3	Chloroform	1	U
74-87-3	Chloromethane	UJ 1	U
124-48-1	Dibromochloromethane	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
106-93-4	1,2-Dibromoethane	1	U
95-50-1	1,2-Dichlorobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
75-34-3	1,1-Dichloroethane	1	U
107-06-2	1,2-Dichloroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
156-59-2	Cis-1,2-Dichloroethene	1	U
156-60-5	Trans-1,2-Dichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	Cis-1,3-Dichloropropene	1	U
10061-02-6	Trans-1,3-Dichloropropene	1	U
100-41-4	Ethylbenzene	1	U
591-78-6	2-Hexanone	5	U
75-09-2	Methylene Chloride	2	U
108-10-1	4-Methyl-2-Pentanone	5	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
127-18-4	Tetrachloroethene	1	U

VALIDATED

1LCA

CLIENT SAMPLE NO

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW21-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-117 SDG No.: 12331

Matrix: (soil/water) WATER Lab Sample ID: 971233105

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1229113.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: not dec. Date Analyzed: 12/29/97

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	0.3	J
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	5	U

1E

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW21-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-117 SDG No.: 12331

Matrix: (soil/water) WATER Lab Sample ID: 971233105

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1229113.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: not dec. Date Analyzed: 12/29/97

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

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

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

1B CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW21-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-117 SDG No.: 12331

Matrix: (soil/water) WATER Lab Sample ID: 971233105

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0109813.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/10/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/l	Q
108-95-2	Phenol		32	
111-44-4	Bis(2-Chloroethyl)Ether		5	U
95-57-8	2-Chlorophenol		5	U
541-73-1	1,3-Dichlorobenzene		5	U
106-46-7	1,4-Dichlorobenzene		5	U
95-50-1	1,2-Dichlorobenzene		5	U
95-48-7	2-Methylphenol		5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	UJ	5	U
106-44-5	4-Methylphenol	UJ	5	U
621-64-7	N-Nitroso-Di-N-Propylamine	UJ	5	U
67-72-1	Hexachloroethane		5	U
98-95-3	Nitrobenzene		5	U
78-59-1	Isophorone		5	U
88-75-5	2-Nitrophenol		5	U
105-67-9	2,4-Dimethylphenol		5	U
111-91-1	Bis(2-Chloroethoxy)Methane		5	U
120-83-2	2,4-Dichlorophenol		5	U
120-82-1	1,2,4-Trichlorobenzene		5	U
91-20-3	Naphthalene		5	U
106-47-8	4-Chloroaniline	UR	5	U
87-68-3	Hexachlorobutadiene		5	U
59-50-7	4-Chloro-3-Methylphenol		5	U
91-57-6	2-Methylnaphthalene		5	U
77-47-4	Hexachlorocyclopentadiene	UJ	5	U
88-06-2	2,4,6-Trichlorophenol		5	U
95-95-4	2,4,5-Trichlorophenol		20	U
91-58-7	2-Chloronaphthalene		5	U
88-74-4	2-Nitroaniline		20	U
131-11-3	Dimethylphthalate		5	U
208-96-8	Acenaphthylene		5	U
606-20-2	2,6-Dinitrotoluene		5	U
99-09-2	3-Nitroaniline		20	U
83-32-9	Acenaphthene		5	U

1C

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW21-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-117 SDG No.: 12331

Matrix: (soil/water) WATER Lab Sample ID: 971233105

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0109813.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/10/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	UJ 20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	UJR 5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

1F

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO

ACS-GWMW21-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-117 SDG No.: 12331

Matrix: (soil/water) WATER Lab Sample ID: 971233105

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0109813.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/10/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

VALIDATED

1LCD

CLIENT SAMPLE NO.

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

MW21

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

Lab Code: IEA Case No.: 2240-117 SDG No.: 12331

Lab Sample ID: 971233105 Date Received: 12/19/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted:12/23/97

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/15/98

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

VALIDATED

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW2104

12.18.97

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Lab Code: AEN___ Case No:2240_117___ SAS No.: _____ SDG No.: 12331_

Matrix (soil/water): WATER Lab Sample ID: 971233105

Level (low/med): LOW__ Date Received: 12/19/97

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	100	B		P_
7440-36-0	Antimony_	1.0	U		P_
7440-38-2	Arsenic__	2.0	U		P_
7440-39-3	Barium___	188	B		P_
7440-41-7	Beryllium	1.0	U		P_
7440-43-9	Cadmium__	1.0	U		P_
7440-70-2	Calcium__	109000			P_
7440-47-3	Chromium_	15.2			P_
7440-48-4	Cobalt___	1.5	B		P_
7440-50-8	Copper___	10.7	B		P_
7439-89-6	Iron_____	3830			P_
7439-92-1	Lead_____	U 3.8			P_
7439-95-4	Magnesium	32000			P_
7439-96-5	Manganese	213			P_
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	12.0	B		P_
7440-09-7	Potassium	3140	B	E	P_
7782-49-2	Selenium_	2.0	U		P_
7440-22-4	Silver___	1.0	U		P_
7440-23-5	Sodium___	36800			P_
7440-28-0	Thallium_	2.0	U		P_
7440-62-2	Vanadium_	1.0	U		P_
7440-66-6	Zinc_____	25.0			P_
_____	Cyanide__	10.0	U		CA
_____	_____	_____	_	_____	__

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN

3/90

VALIDATED

1LCA CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW22-04

12/16/97

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971227301

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1223E14.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: not dec. Date Analyzed: 12/24/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
67-64-1	Acetone	R 5	U
71-43-2	Benzene	1	U
74-97-5	Bromochloromethane	1	U
75-27-4	Bromodichloromethane	1	U
75-25-2	Bromoform	1	U
74-83-9	Bromomethane	1	U
78-93-3	2-Butanone	R 5	U
75-15-0	Carbon Disulfide	0.4	J
56-23-5	Carbon Tetrachloride	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
67-66-3	Chloroform	1	U
74-87-3	Chloromethane	1	U
124-48-1	Dibromochloromethane	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
106-93-4	1,2-Dibromoethane	1	U
95-50-1	1,2-Dichlorobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
75-34-3	1,1-Dichloroethane	1	U
107-06-2	1,2-Dichloroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
156-59-2	Cis-1,2-Dichloroethene	1	U
156-60-5	Trans-1,2-Dichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	Cis-1,3-Dichloropropene	1	U
10061-02-6	Trans-1,3-Dichloropropene	1	U
100-41-4	Ethylbenzene	1	U
591-78-6	2-Hexanone	5	U
75-09-2	Methylene Chloride	2	U
108-10-1	4-Methyl-2-Pentanone	5	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
127-18-4	Tetrachloroethene	1	U

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW22-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971227301

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1223E14.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: not dec. Date Analyzed: 12/24/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	14 0.2	J
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	5	U

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW22-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971227301

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1223E14.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: not dec. Date Analyzed: 12/24/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

VALIDATED

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	UNKNOWN HYDROCARBON	24.16	5	J

1B

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW22-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971227301

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0109808.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: decanted: (Y/N) Date Extracted: 12/19/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/09/98

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	140	
111-44-4	Bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-N-Propylamine	UJ 10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	UJ 10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	40	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	40	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	40	U
83-32-9	Acenaphthene	10	U

1C

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW22-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971227301

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0109808.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: decanted: (Y/N) Date Extracted: 12/19/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/09/98

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	40	U
100-02-7	4-Nitrophenol	40	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	40	U
534-52-1	4,6-Dinitro-2-Methylphenol	40	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	40	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-N-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	J
117-84-0	Di-N-Octylphthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	10	U
53-70-3	Dibenz(A,H)Anthracene	10	U
191-24-2	Benzo(G,H,I)Perylene	10	U

1F

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW22-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971227301

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0109808.D

Level: (low/med) LOW Date Received: 12/17/97

% Moisture: decanted: (Y/N) Date Extracted: 12/19/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/09/98

Injection Volume: 2 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

Number TICs Found: 3

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000104-76-7	1-HEXANOL, 2-ETHYL-	9.28	36	JN
	Unknown	10.84	25	J
000098-73-7	BENZOIC ACID, P-TERT-BUTYL-	16.60	32	JN

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
ACS-GWMW22-04

MW22

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

Lab Code: IEA Case No.: 2240-114 SDG No.: 12273

Lab Sample ID: 971227301 Date Received: 12/17/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/22/97

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/11/98

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0 VALIDATED

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

INORGANIC ANALYSES DATA SHEET

HCS-GWMW22-04

MW22

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Lab Code: AEN___ Case No:2240_114___ SAS No.: _____ SDG No.: 12273_

Matrix (soil/water): WATER Lab Sample ID: 971227301

Level (low/med): LOW__ Date Received: 12/17/97

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	371			P
7440-36-0	Antimony	1.0	B		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	464			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	205000			P
7440-47-3	Chromium	5.4	B		P
7440-48-4	Cobalt	1.0	B		P
7440-50-8	Copper	23.7	B		P
7439-89-6	Iron	1100			P
7439-92-1	Lead	3.9			P
7439-95-4	Magnesium	36800			P
7439-96-5	Manganese	46.5			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	6.5	B		P
7440-09-7	Potassium	19000		E	P
7782-49-2	Selenium	3.0	B		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	282000			P
7440-28-0	Thallium	3.6	B		P
7440-62-2	Vanadium	1.1	B		P
7440-66-6	Zinc	12.8	B		P
	Cyanide	10.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN

3/90

VALIDATED

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW23-04

DATE SAMPLED: 12/15/97

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971225012

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1217E12.D

Level: (low/med) LOW Date Received: 12/16/97 (1)

% Moisture: not dec. Date Analyzed: 12/18/97 (3)

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CRQL MULTIPLIER = 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l		Q
67-64-1	Acetone	R 4 POT	5	
71-43-2	Benzene	14	0.1	J
74-97-5	Bromochloromethane		1	U
75-27-4	Bromodichloromethane		1	U
75-25-2	Bromoform		1	U
74-83-9	Bromomethane		1	U
78-93-3	2-Butanone	R	5	U
75-15-0	Carbon Disulfide		1	U
56-23-5	Carbon Tetrachloride		1	U
108-90-7	Chlorobenzene		1	U
75-00-3	Chloroethane		1	U
67-66-3	Chloroform		1	U
74-87-3	Chloromethane	J	0.1	J
124-48-1	Dibromochloromethane		1	U
96-12-8	1,2-Dibromo-3-Chloropropane		1	U
106-93-4	1,2-Dibromoethane		1	U
95-50-1	1,2-Dichlorobenzene		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
75-34-3	1,1-Dichloroethane		1	U
107-06-2	1,2-Dichloroethane		1	U
75-35-4	1,1-Dichloroethene		1	U
156-59-2	Cis-1,2-Dichloroethene		1	U
156-60-5	Trans-1,2-Dichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
10061-01-5	Cis-1,3-Dichloropropene		1	U
10061-02-6	Trans-1,3-Dichloropropene		1	U
100-41-4	Ethylbenzene		1	U
591-78-6	2-Hexanone		5	U
75-09-2	Methylene Chloride	24	0.1	J
108-10-1	4-Methyl-2-Pentanone		5	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
127-18-4	Tetrachloroethene		1	U

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW23-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971225012

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1217E12.D

Level: (low/med) LOW Date Received: 12/16/97

% Moisture: not dec. Date Analyzed: 12/18/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	1	U
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	5	U

VALIDATED

1E

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACS-GWMW23-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971225012

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1217E12.D

Level: (low/med) LOW Date Received: 12/16/97

% Moisture: not dec. Date Analyzed: 12/18/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

VALIDATED

1B

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO

ACS-GWMW23-04

DATE SAMPLED: 12/15/97

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971225012

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0107813.D

Level: (low/med) LOW Date Received: 12/16/97

% Moisture: decanted: (Y/N) Date Extracted: 12/17/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/07/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: CRQL MULTIPLIER = 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	38	
111-44-4	Bis(2-Chloroethyl)Ether	5	U
95-57-8	2-Chlorophenol	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-Di-N-Propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	Bis(2-Chloroethoxy)Methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-Methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

VALIDATED

1C

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW23-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971225012

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0107813.D

Level: (low/med) LOW Date Received: 12/16/97

% Moisture: decanted: (Y/N) Date Extracted: 12/17/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/07/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

VALIDATED

1F

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW23-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971225012

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0107813.D

Level: (low/med) LOW Date Received: 12/16/97

% Moisture: decanted: (Y/N) Date Extracted: 12/17/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/07/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	9.46	JN 11	J
000104-76-7	1-HEXANOL, 2-ETHYL-	9.51	JN 12	JN

FORM I SV-TIC

VALIDATED

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
AGS-GWMW23-04

MW23

Lab Name: INDUSTRIAL & ENVIRONMENTA (AEN, Inc.-NC) Contract: SOW 6/91

DATE SAMPLED: 12/15/97

Lab Code: IEA Case No.: 2240-108 SDG No.: 12202

Lab Sample ID: 971225012 Date Received: 12/16/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/17/97

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/10/98

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L) CRQL Multiplier=1.00	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
ACS-GWMW23-04

MW23

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Lab Code: AEN___ Case No:2240_108___ SAS No.: _____ SDG No.: 12202_

Matrix (soil/water): WATER Lab Sample ID: 971225012

Level (low/med): LOW__ Date Received: 12/16/97
12/15/97

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3810			P
7440-36-0	Antimony	U 1.4	B		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	J 131	B	E	P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	90700			P
7440-47-3	Chromium	26.0			P
7440-48-4	Cobalt	6.4	B		P
7440-50-8	Copper	24.6	B		P
7439-89-6	Iron	J 14500			P
7439-92-1	Lead	10.3		*	P
7439-95-4	Magnesium	J 25800			P
7439-96-5	Manganese	443			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	27.2	B		P
7440-09-7	Potassium	J 4080	B	E	P
7782-49-2	Selenium	U 2.5	B		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	64500			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	10.3	B		P
7440-66-6	Zinc	49.5			P
	Cyanide	10.0	U		CA

Color Before: BROWN____ Clarity Before: CLOUDY Texture: _____

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

_____

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VALIDATED

1LCA CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW24-04

12/17/97

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229916

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1224115.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: not dec. Date Analyzed: 12/24/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/l	Q
67-64-1	Acetone	R	5	U
71-43-2	Benzene		1	U
74-97-5	Bromochloromethane		1	U
75-27-4	Bromodichloromethane		1	U
75-25-2	Bromoform		1	U
74-83-9	Bromomethane	UJ	1	U
78-93-3	2-Butanone	R	5	U
75-15-0	Carbon Disulfide		1	U
56-23-5	Carbon Tetrachloride		1	U
108-90-7	Chlorobenzene		1	U
75-00-3	Chloroethane		1	U
67-66-3	Chloroform		1	U
74-87-3	Chloromethane		1	U
124-48-1	Dibromochloromethane		1	U
96-12-8	1,2-Dibromo-3-Chloropropane		1	U
106-93-4	1,2-Dibromoethane		1	U
95-50-1	1,2-Dichlorobenzene		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
75-34-3	1,1-Dichloroethane		1	U
107-06-2	1,2-Dichloroethane		1	U
75-35-4	1,1-Dichloroethene		1	U
156-59-2	Cis-1,2-Dichloroethene		1	U
156-60-5	Trans-1,2-Dichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
10061-01-5	Cis-1,3-Dichloropropene		1	U
10061-02-6	Trans-1,3-Dichloropropene		1	U
100-41-4	Ethylbenzene		1	U
591-78-6	2-Hexanone		5	U
75-09-2	Methylene Chloride		2	U
108-10-1	4-Methyl-2-Pentanone		5	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
127-18-4	Tetrachloroethene		1	U

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW24-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229916

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1224115.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: not dec. Date Analyzed: 12/24/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	1	U
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	5	U

1E

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW24-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229916

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1224115.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: not dec. Date Analyzed: 12/24/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

VALIDATED

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

1B

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW24-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229916

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0108812.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/08/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/l	Q
108-95-2	Phenol	J	12	
111-44-4	Bis(2-Chloroethyl)Ether	UJ	5	U
95-57-8	2-Chlorophenol		5	U
541-73-1	1,3-Dichlorobenzene		5	U
106-46-7	1,4-Dichlorobenzene		5	U
95-50-1	1,2-Dichlorobenzene		5	U
95-48-7	2-Methylphenol		5	U
108-60-1	2,2'-oxybis(1-Chloropropane)		5	U
106-44-5	4-Methylphenol		5	U
621-64-7	N-Nitroso-Di-N-Propylamine		5	U
67-72-1	Hexachloroethane		5	U
98-95-3	Nitrobenzene		5	U
78-59-1	Isophorone		5	U
88-75-5	2-Nitrophenol		5	U
105-67-9	2,4-Dimethylphenol		5	U
111-91-1	Bis(2-Chloroethoxy)Methane		5	U
120-83-2	2,4-Dichlorophenol		5	U
120-82-1	1,2,4-Trichlorobenzene		5	U
91-20-3	Naphthalene		5	U
106-47-8	4-Chloroaniline		5	U
87-68-3	Hexachlorobutadiene		5	U
59-50-7	4-Chloro-3-Methylphenol		5	U
91-57-6	2-Methylnaphthalene		5	U
77-47-4	Hexachlorocyclopentadiene		5	U
88-06-2	2,4,6-Trichlorophenol		5	U
95-95-4	2,4,5-Trichlorophenol		20	U
91-58-7	2-Chloronaphthalene		5	U
88-74-4	2-Nitroaniline		20	U
131-11-3	Dimethylphthalate		5	U
208-96-8	Acenaphthylene		5	U
606-20-2	2,6-Dinitrotoluene		5	U
99-09-2	3-Nitroaniline		20	U
83-32-9	Acenaphthene		5	U

1C

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW24-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229916

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0108812.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/08/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	UJ 20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

1F

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW24-04

Lab Name: AEN-NC   Method: SOW 691

Lab Code: AEN   Case No.: 2240-114   SDG No.: 12273

Matrix: (soil/water) WATER   Lab Sample ID: 971229916

Sample wt/vol: 1000 (g/mL) ml   Lab File ID: 0108812.D

Level: (low/med) LOW   Date Received: 12/18/97

% Moisture: decanted: (Y/N)   Date Extracted: 12/23/97

Concentrated Extract Volume: 1000(uL)   Date Analyzed: 01/08/98

Injection Volume: 2 (uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) N   pH:

VALIDATED

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I SV-TIC

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
ACS-GWMW24-04
MW24

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

Lab Code: IEA Case No.: 2240-114 SDG No.: 12273

Lab Sample ID: 971229916 Date Received: 12/18/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/22/97

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/11/98

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.: ACSGWMW2404 / MW24

Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Code: AEN___ Case No:2240_114___ SAS No.: _____ SDG No.: 12273_

Matrix (soil/water): WATER Lab Sample ID: 971229916

Level (low/med): LOW__ Date Received: 12/18/97

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7870			P
7440-36-0	Antimony	1.1	B		P
7440-38-2	Arsenic	4.8	B		P
7440-39-3	Barium	256			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	161000			P
7440-47-3	Chromium	81.3			P
7440-48-4	Cobalt	8.2	B		P
7440-50-8	Copper	53.7			P
7439-89-6	Iron	23200			P
7439-92-1	Lead	13.6			P
7439-95-4	Magnesium	45300			P
7439-96-5	Manganese	525			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	55.1			P
7440-09-7	Potassium	5980		E	P
7782-49-2	Selenium	3.2	B		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	85300			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	16.8	B		P
7440-66-6	Zinc	62.3			P
_____	Cyanide	10.0	U		CA
_____	_____	_____			

Color Before: BROWN____ Clarity Before: CLOUDY Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

_____

_____

_____

_____

VALIDATED

1LCA

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW28-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971215503

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1215E03.D

Level: (low/med) LOW Date Received: 12/10/97

% Moisture: not dec. Date Analyzed: 12/15/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/l	Q
67-64-1	Acetone	R	5	U
71-43-2	Benzene		1	U
74-97-5	Bromochloromethane		1	U
75-27-4	Bromodichloromethane		1	U
75-25-2	Bromoform		1	U
74-83-9	Bromomethane		1	U
78-93-3	2-Butanone	R	5	U
75-15-0	Carbon Disulfide		1	U
56-23-5	Carbon Tetrachloride		1	U
108-90-7	Chlorobenzene		1	U
75-00-3	Chloroethane	UJ	1	U
67-66-3	Chloroform		1	U
74-87-3	Chloromethane		1	U
124-48-1	Dibromochloromethane		1	U
96-12-8	1,2-Dibromo-3-Chloropropane		1	U
106-93-4	1,2-Dibromoethane		1	U
95-50-1	1,2-Dichlorobenzene		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
75-34-3	1,1-Dichloroethane		1	U
107-06-2	1,2-Dichloroethane		1	U
75-35-4	1,1-Dichloroethene		1	U
156-59-2	Cis-1,2-Dichloroethene		1	U
156-60-5	Trans-1,2-Dichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
10061-01-5	Cis-1,3-Dichloropropene		1	U
10061-02-6	Trans-1,3-Dichloropropene		1	U
100-41-4	Ethylbenzene		1	U
591-78-6	2-Hexanone		5	U
75-09-2	Methylene Chloride	UJ	0.2	J
108-10-1	4-Methyl-2-Pentanone		5	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
127-18-4	Tetrachloroethene		1	U

FORM I VOA

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW28-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971215503

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1215E03.D

Level: (low/med) LOW Date Received: 12/10/97

% Moisture: not dec. Date Analyzed: 12/15/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	U 0.1	J
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	5	U

FORM I VOA

VALIDATED

1E

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW28-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971215503

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1215E03.D

Level: (low/med) LOW Date Received: 12/10/97

% Moisture: not dec. Date Analyzed: 12/15/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

VALIDATED

1B

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW28-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971215503

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0105H11.D

Level: (low/med) LOW Date Received: 12/10/97

% Moisture: decanted: (Y/N) Date Extracted: 12/15/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/l	Q
108-95-2	Phenol		9	
111-44-4	Bis(2-Chloroethyl)Ether		5	U
95-57-8	2-Chlorophenol		5	U
541-73-1	1,3-Dichlorobenzene		5	U
106-46-7	1,4-Dichlorobenzene		5	U
95-50-1	1,2-Dichlorobenzene		5	U
95-48-7	2-Methylphenol		5	U
108-60-1	2,2'-oxybis(1-Chloropropane)		5	U
106-44-5	4-Methylphenol		5	U
621-64-7	N-Nitroso-Di-N-Propylamine		5	U
67-72-1	Hexachloroethane		5	U
98-95-3	Nitrobenzene		5	U
78-59-1	Isophorone		5	U
88-75-5	2-Nitrophenol		5	U
105-67-9	2,4-Dimethylphenol		5	U
111-91-1	Bis(2-Chloroethoxy)Methane		5	U
120-83-2	2,4-Dichlorophenol		5	U
120-82-1	1,2,4-Trichlorobenzene		5	U
91-20-3	Naphthalene		5	U
106-47-8	4-Chloroaniline		5	U
87-68-3	Hexachlorobutadiene	UJ	5	U
59-50-7	4-Chloro-3-Methylphenol		5	U
91-57-6	2-Methylnaphthalene		5	U
77-47-4	Hexachlorocyclopentadiene		5	U
88-06-2	2,4,6-Trichlorophenol		5	U
95-95-4	2,4,5-Trichlorophenol		20	U
91-58-7	2-Chloronaphthalene		5	U
88-74-4	2-Nitroaniline		20	U
131-11-3	Dimethylphthalate		5	U
208-96-8	Acenaphthylene		5	U
606-20-2	2,6-Dinitrotoluene		5	U
99-09-2	3-Nitroaniline		20	U
83-32-9	Acenaphthene		5	U

VALIDATED

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW28-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971215503

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0105H11.D

Level: (low/med) LOW Date Received: 12/10/97

% Moisture: decanted: (Y/N) Date Extracted: 12/15/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

VALIDATED

1F CLIENT SAMPLE NC

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW28-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971215503

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0105H11.D

Level: (low/med) LOW Date Received: 12/10/97

% Moisture: decanted: (Y/N) Date Extracted: 12/15/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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VALIDATED

1LCD

CLIENT SAMPLE NO.

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET ACS-GWMW28-04

AGN, INC.-NC

MW28

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

DATE SAMPLED: 12/09/97

Lab Code: IEA Case No.: 2240-104 SDG No.: 12155

Lab Sample ID: 971215503 Date Received: 12/10/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/11/97

Concentrated Extract Volume: 2000(uL) Date Analyzed: 12/17/97

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L) CRQL MULTIPLIER=1.00	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

VALIDATED

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW28-04

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Lab Code: AEN___ Case No:2240_104___ SAS No.: _____ SDG No.: 12155_

Matrix (soil/water): WATER Lab Sample ID: 971215503

Level (low/med): LOW__ Date Received: 12/10/98

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	U 68.6	B		P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	U 2.1	B		P
7440-39-3	Barium	145	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	51500			P
7440-47-3	Chromium	6.7	B		P
7440-48-4	Cobalt	1.0	U		P
7440-50-8	Copper	22.6	B		P
7439-89-6	Iron	73.6	B		P
7439-92-1	Lead	1.6	B		P
7439-95-4	Magnesium	18800			P
7439-96-5	Manganese	23.9			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	13.1	B		P
7440-09-7	Potassium	J 1820	B	E	P
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	11500			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	1.0	U		P
7440-66-6	Zinc	39.2			P
	Cyanide	10.0	U		CA

Color Before: BROWN____ Clarity Before: CLOUDY Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

_____

_____

_____

_____

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW29-04

12/18/97

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971232919

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1224E04.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: not dec. Date Analyzed: 12/24/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
67-64-1	Acetone	R 5	U
71-43-2	Benzene	UJ 2	
74-97-5	Bromochloromethane	1	U
75-27-4	Bromodichloromethane	1	U
75-25-2	Bromoform	1	U
74-83-9	Bromomethane	1	U
78-93-3	2-Butanone	R 5	U
75-15-0	Carbon Disulfide	0.2	J
56-23-5	Carbon Tetrachloride	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	
67-66-3	Chloroform	1	U
74-87-3	Chloromethane	1	U
124-48-1	Dibromochloromethane	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
106-93-4	1,2-Dibromoethane	1	U
95-50-1	1,2-Dichlorobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
75-34-3	1,1-Dichloroethane	1	U
107-06-2	1,2-Dichloroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
156-59-2	Cis-1,2-Dichloroethene	1	U
156-60-5	Trans-1,2-Dichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	Cis-1,3-Dichloropropene	1	U
10061-02-6	Trans-1,3-Dichloropropene	1	U
100-41-4	Ethylbenzene	1	U
591-78-6	2-Hexanone	5	U
75-09-2	Methylene Chloride	UJ 0.8	J
108-10-1	4-Methyl-2-Pentanone	5	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
127-18-4	Tetrachloroethene	1	U

1LCA

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW29-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971232919

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1224E04.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: not dec. Date Analyzed: 12/24/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	14 0.6	J
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	5	U

1E

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACS-GWMW29-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971232919

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1224E04.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: not dec. Date Analyzed: 12/24/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

VALIDATED

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

1B

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW29-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971232919

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0109806.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/09/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	~~10~~ 54 3	J
111-44-4	Bis(2-Chloroethyl)Ether	10 5	U
95-57-8	2-Chlorophenol	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-Di-N-Propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	Bis(2-Chloroethoxy)Methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-Methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

1C

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW29-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971232919

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0109806.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/09/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

1F

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW29-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971232919

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0109806.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/09/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

MW29

ab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

ab Code: AEN___ Case No:2240_114___ SAS No.: _____ SDG No.: 12273_

a[redacted]x (soil/water): WATER Lab Sample ID: 971232919

evel (low/med): LOW__ Date Received: 12/19/97

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	389			P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	126	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	105000			P
7440-47-3	Chromium	13.5			P
7440-48-4	Cobalt	3.1	B		P
7440-50-8	Copper	8.1	B		P
7439-89-6	Iron	7630			P
7439-92-1	Lead	1.6	B		P
7439-95-4	Magnesium	43900			P
7439-96-5	Manganese	113			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	13.2	B		P
7440-09-7	Potassium	3500	B	E	P
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	77500			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	1.6	B		P
7440-66-6	Zinc	12.5	B		P
_____	Cyanide	10.0	U		CA
_____	_____	_____			

:olor Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

:olor After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

:omments:

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FORM I - IN

3/90

VALIDATED

1LCA CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW30-04

Lab Name: AEN-NC Method: SOW 691

12/17/97

Lab Code: AEN Case No.: 2240-114 SDG-No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229710

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1224105.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: not dec. Date Analyzed: 12/24/97

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

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

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l		Q
67-64-1	Acetone	R	5	U
71-43-2	Benzene		1	U
74-97-5	Bromochloromethane		1	U
75-27-4	Bromodichloromethane		1	U
75-25-2	Bromoform		1	U
74-83-9	Bromomethane	UJ	1	U
78-93-3	2-Butanone	R	5	U
75-15-0	Carbon Disulfide		1	U
56-23-5	Carbon Tetrachloride		1	U
108-90-7	Chlorobenzene		1	U
75-00-3	Chloroethane		1	U
67-66-3	Chloroform		1	U
74-87-3	Chloromethane		1	U
124-48-1	Dibromochloromethane		1	U
96-12-8	1,2-Dibromo-3-Chloropropane		1	U
106-93-4	1,2-Dibromoethane		1	U
95-50-1	1,2-Dichlorobenzene		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
75-34-3	1,1-Dichloroethane		1	U
107-06-2	1,2-Dichloroethane		1	U
75-35-4	1,1-Dichloroethene		1	U
156-59-2	Cis-1,2-Dichloroethene		1	U
156-60-5	Trans-1,2-Dichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
10061-01-5	Cis-1,3-Dichloropropene		1	U
10061-02-6	Trans-1,3-Dichloropropene		1	U
100-41-4	Ethylbenzene		1	U
591-78-6	2-Hexanone		5	U
75-09-2	Methylene Chloride		2	U
108-10-1	4-Methyl-2-Pentanone		5	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
127-18-4	Tetrachloroethene		1	U

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW30-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG-No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229710

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1224105.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: not dec. Date Analyzed: 12/24/97

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

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

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	1	U
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	5	U

1E

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW30-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG. No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229710

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1224105.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: not dec. Date Analyzed: 12/24/97

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

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

VALIDATED

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

1B

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW30-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229710

Sample wt/vol: 500 (g/mL) ml Lab File ID: 0108807.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 500(uL) Date Analyzed: 01/08/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: --- VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	J 39	
111-44-4	Bis(2-Chloroethyl)Ether	UJ 5	U
95-57-8	2-Chlorophenol	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-Di-N-Propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	Bis(2-Chloroethoxy)Methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	R UJ 5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-Methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

1C CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW30-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229710

Sample wt/vol: 500 (g/mL) ml Lab File ID: 0108807.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 500(uL) Date Analyzed: 01/08/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l		Q
51-28-5	2,4-Dinitrophenol	---	UJ 20	U
100-02-7	4-Nitrophenol		20	U
132-64-9	Dibenzofuran		5	U
121-14-2	2,4-Dinitrotoluene		5	U
84-66-2	Diethylphthalate		5	U
7005-72-3	4-Chlorophenyl-phenylether		5	U
86-73-7	Fluorene		5	U
100-01-6	4-Nitroaniline		20	U
534-52-1	4,6-Dinitro-2-Methylphenol		20	U
86-30-6	N-Nitrosodiphenylamine (1)		5	U
101-55-3	4-Bromophenyl-phenylether		5	U
118-74-1	Hexachlorobenzene		5	U
87-86-5	Pentachlorophenol		20	U
85-01-8	Phenanthrene		5	U
120-12-7	Anthracene		5	U
86-74-8	Carbazole		5	U
84-74-2	Di-N-Butylphthalate		J 0.9	J
206-44-0	Fluoranthene		UJ 5	U
129-00-0	Pyrene		5	U
85-68-7	Butylbenzylphthalate		5	U
91-94-1	3,3'-Dichlorobenzidine		5	U
56-55-3	Benzo(a)Anthracene		5	U
218-01-9	Chrysene		5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate		5	U
117-84-0	Di-N-Octylphthalate		5	U
205-99-2	Benzo(b)Fluoranthene		5	U
207-08-9	Benzo(k)Fluoranthene		5	U
50-32-8	Benzo(a)Pyrene		5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene		5	U
53-70-3	Dibenz(A,H)Anthracene		5	U
191-24-2	Benzo(G,H,I)Perylene		5	U

1F

CLIENT SAMPLE NC

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW30-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229710

Sample wt/vol: 500 (g/mL) ml Lab File ID: 0108807.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 500(uL) Date Analyzed: 01/08/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

Number TICs Found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000104-76-7	1-HEXANOL, 2-ETHYL-	9.52	10	JN
	UNKNOWN	14.89	11	JB
000109-21-7	BUTANOIC ACID, BUTYL ESTER	15.16	11	JNB

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
ACSGWMW30-04
MW30

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

Lab Code: IEA Case No.: 2240-114 SDG No.: 12273

Lab Sample ID: 971229710 Date Received: 12/17/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/22/97

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/11/98

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

VALIDATED Q

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
ACSGWMW30-04
MW30

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Lab Code: AEN___ Case No:2240_114___ SAS No.: _____ SDG No.: 12273_

Matrix (soil/water): WATER Lab Sample ID: 971229710

Level (low/med): LOW__ Date Received: 12/18/97

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	528			P
7440-36-0	Antimony_	1.0	U		P
7440-38-2	Arsenic__	2.0	U		P
7440-39-3	Barium___	200			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium__	1.0	U		P
7440-70-2	Calcium__	92800			P
7440-47-3	Chromium_	10.2			P
7440-48-4	Cobalt___	7.8	B		P
7440-50-8	Copper___	13.9	B		P
7439-89-6	Iron____	4740			P
7439-92-1	Lead____	2.8	B		P
7439-95-4	Magnesium	44700			P
7439-96-5	Manganese	59.7			P
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	12.4	B		P
7440-09-7	Potassium	2880	B	E	P
7782-49-2	Selenium_	2.0	U		P
7440-22-4	Silver___	1.0	U		P
7440-23-5	Sodium___	39300			P
7440-28-0	Thallium_	2.0	U		P
7440-62-2	Vanadium_	1.3	B		P
7440-66-6	Zinc____	16.7	B		P
_____	Cyanide__	10.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

_____

_____

_____

_____

VALIDATED

VALIDATED

1LCA

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW31-04

Lab Name: AEN-NC Method: SOW 691

DATE SAMPLED: 12/12/97

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971222406

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1217E07.D

Level: (low/med) LOW Date Received: 12/13/97 (T)

% Moisture: not dec. Date Analyzed: 12/18/97 (b)

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CRQL MULTIPLIER = 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/l	Q
67-64-1	Acetone	R	5	U
71-43-2	Benzene		1	U
74-97-5	Bromochloromethane		1	U
75-27-4	Bromodichloromethane		1	U
75-25-2	Bromoform		1	U
74-83-9	Bromomethane		1	U
78-93-3	2-Butanone	R	5	U
75-15-0	Carbon Disulfide		1	U
56-23-5	Carbon Tetrachloride		1	U
108-90-7	Chlorobenzene		1	U
75-00-3	Chloroethane		1	U
67-66-3	Chloroform		1	U
74-87-3	Chloromethane		1	U
124-48-1	Dibromochloromethane		1	U
96-12-8	1,2-Dibromo-3-Chloropropane		1	U
106-93-4	1,2-Dibromoethane		1	U
95-50-1	1,2-Dichlorobenzene		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
75-34-3	1,1-Dichloroethane		1	U
107-06-2	1,2-Dichloroethane		1	U
75-35-4	1,1-Dichloroethene		1	U
156-59-2	Cis-1,2-Dichloroethene		1	U
156-60-5	Trans-1,2-Dichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
10061-01-5	Cis-1,3-Dichloropropene		1	U
10061-02-6	Trans-1,3-Dichloropropene		1	U
100-41-4	Ethylbenzene		1	U
591-78-6	2-Hexanone		5	U
75-09-2	Methylene Chloride	Z 14	0.1	J
108-10-1	4-Methyl-2-Pentanone		5	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
127-18-4	Tetrachloroethene		1	U

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW31-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971222406

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1217E07.D

Level: (low/med) LOW Date Received: 12/13/97

% Moisture: not dec. Date Analyzed: 12/18/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	1	U
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	5	U

VALIDATED

1E

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW31-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971222406

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1217E07.D

Level: (low/med) LOW Date Received: 12/13/97

% Moisture: not dec. Date Analyzed: 12/18/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

Number TICs Found: 0 (ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

VALIDATED

1B

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW31-04

DATE SAMPLED: 12/12/97

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971222406

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0107808.D

Level: (low/med) LOW Date Received: 12/13/97 (1)

% Moisture: decanted: (Y/N) Date Extracted: 12/17/97 (5)

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/07/98 (21)

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: CRQL MULTIPLIER = 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	5	U
111-44-4	Bis(2-Chloroethyl)Ether	5	U
95-57-8	2-Chlorophenol	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-Di-N-Propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	Bis(2-Chloroethoxy)Methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-Methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

VALIDATED

1C

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW31-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971222406

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0107808.D

Level: (low/med) LOW Date Received: 12/13/97

% Moisture: decanted: (Y/N) Date Extracted: 12/17/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/07/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

VALIDATED

1F

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW31-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971222406

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0107808.D

Level: (low/med) LOW Date Received: 12/13/97

% Moisture: decanted: (Y/N) Date Extracted: 12/17/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/07/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000104-76-7	1-HEXANOL, 2-ETHYL-	9.51	JN 12	JN

VALIDATED

1LCD

CLIENT SAMPLE NO.

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET ACS-GWMW31-04

AEN, INC. - NC

MW31

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

DATE SAMPLED: 12/12/97

Lab Code: IEA Case No.: 2240-108 SDG No.: 12202

Lab Sample ID: 971222406 Date Received: 12/13/97 (1)

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/17/97 (5)

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/09/98 (23)

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L) CRQL MULTIPLIER=1.00 Q	
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
AGS-GWMW31-04

MW31

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Lab Code: AEN___ Case No:2240_108___ SAS No.: _____ SDG No.: 12202_

Matrix (soil/water): WATER Lab Sample ID: 971222406

Level (low/med): LOW__ Date Received: 12/13/97
12/12/97

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	881			P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	3.6	B		P
7440-39-3	Barium	J 249		E	P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	86500			P
7440-47-3	Chromium	29.7			P
7440-48-4	Cobalt	1.9	B		P
7440-50-8	Copper	25.9			P
7439-89-6	Iron	3820			P
7439-92-1	Lead	3.6		*	P
7439-95-4	Magnesium	J 32600			P
7439-96-5	Manganese	111			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	24.4	B		P
7440-09-7	Potassium	J 2130	B	E	P
7782-49-2	Selenium	3.2	B		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	19500			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	1.7	B		P
7440-66-6	Zinc	31.1			P
	Cyanide	10.0	U		CA

Color Before: BROWN____ Clarity Before: CLOUDY Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN VALIDATED 3/90

VALIDATED

1LCA

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW32-04

Lab Name: AEN-NC Method: SOW 691

DATE SAMPLED: 12/12/97

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971222407

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1217E08.D

Level: (low/med) LOW Date Received: 12/13/97 (1)

% Moisture: not dec. Date Analyzed: 12/18/97 (6)

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CRQL MULTIPLIER = 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l		Q
67-64-1	Acetone	R	5	U
71-43-2	Benzene		1	U
74-97-5	Bromochloromethane		1	U
75-27-4	Bromodichloromethane		1	U
75-25-2	Bromoform		1	U
74-83-9	Bromomethane		1	U
78-93-3	2-Butanone	R	5	U
75-15-0	Carbon Disulfide		1	U
56-23-5	Carbon Tetrachloride		1	U
108-90-7	Chlorobenzene		1	U
75-00-3	Chloroethane		1	U
67-66-3	Chloroform		1	U
74-87-3	Chloromethane		1	U
124-48-1	Dibromochloromethane		1	U
96-12-8	1,2-Dibromo-3-Chloropropane		1	U
106-93-4	1,2-Dibromoethane		1	U
95-50-1	1,2-Dichlorobenzene		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
75-34-3	1,1-Dichloroethane		1	U
107-06-2	1,2-Dichloroethane		1	U
75-35-4	1,1-Dichloroethene		1	U
156-59-2	Cis-1,2-Dichloroethene		1	U
156-60-5	Trans-1,2-Dichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
10061-01-5	Cis-1,3-Dichloropropene		1	U
10061-02-6	Trans-1,3-Dichloropropene		1	U
100-41-4	Ethylbenzene		1	U
591-78-6	2-Hexanone		5	U
75-09-2	Methylene Chloride	24	0.1	J
108-10-1	4-Methyl-2-Pentanone		5	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
127-18-4	Tetrachloroethene		1	U

VALIDATED

1LCA

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW32-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971222407

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1217E08.D

Level: (low/med) LOW Date Received: 12/13/97

% Moisture: not dec. Date Analyzed: 12/18/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	1	U
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	5	U

VALIDATED

1E

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACS-GWMW32-04

Lab Name: AEN-NC   Method: SOW 691

Lab Code: AEN   Case No.: 2240-108   SDG No.: 12202

Matrix: (soil/water) WATER   Lab Sample ID: 971222407

Sample wt/vol: 25 (g/mL) ml   Lab File ID: 1217E08.D

Level: (low/med) LOW   Date Received: 12/13/97

% Moisture: not dec.   Date Analyzed: 12/18/97

GC Column: DB-624 ID: .53(mm)   Dilution Factor: 1.0

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

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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VALIDATED

1B

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW32-04

DATE SAMPLED: 12/12/97

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971222407

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0108805.D

Level: (low/med) LOW Date Received: 12/13/97 (1)

% Moisture: decanted: (Y/N) Date Extracted: 12/17/97 (5)

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/08/98 (22)

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: CRQL MULTIPLIER = 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	140	
111-44-4	Bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-N-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	40	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	40	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	40	U
83-32-9	Acenaphthene	10	U

VALIDATED

1C

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW32-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971222407

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0108805.D

Level: (low/med) LOW Date Received: 12/13/97

% Moisture: decanted: (Y/N) Date Extracted: 12/17/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/08/98

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	40	U
100-02-7	4-Nitrophenol	40	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	40	U
534-52-1	4,6-Dinitro-2-Methylphenol	40	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	40	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-N-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	J 6	J
117-84-0	Di-N-Octylphthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	10	U
53-70-3	Dibenz(A,H)Anthracene	10	U
191-24-2	Benzo(G,H,I)Perylene	10	U

VALIDATED

1F

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO

ACS-GWMW32-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971222407

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0108805.D

Level: (low/med) LOW Date Received: 12/13/97

% Moisture: decanted: (Y/N) Date Extracted: 12/17/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/08/98

Injection Volume: 2 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000104-76-7	1-HEXANOL, 2-ETHYL-	9.53	JN 42	JN

VALIDATED

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO. ACS-GWMW32-04

MW32

Lab Name: AEN, INC. - NC (INDUSTRIAL & ENVIRONMENTA) Contract: SOW 6/91

DATE SAMPLED: 12/12/97

Lab Code: IEA Case No.: 2240-108 SDG No.: 12202

Lab Sample ID: 971222407 Date Received: 12/13/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/17/97

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/09/98 (23)

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L) CRQL MULTIPLIER=1.00	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.0081	J
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
ACS-GWMW32-04

MW32

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Lab Code: AEN___ Case No:2240_108___ SAS No.: _____ SDG No.: 12202_

Matrix (soil/water): WATER Lab Sample ID: 971222407

Level (low/med): LOW__ Date Received: 12/13/97

% Solids: __0.0 12/12/97

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4310			P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	J 242		E	P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	75600			P
7440-47-3	Chromium	42.1			P
7440-48-4	Cobalt	2.1	B		P
7440-50-8	Copper	37.4			P
7439-89-6	Iron	7700			P
7439-92-1	Lead	6.9		*	P
7439-95-4	Magnesium	J 47300			P
7439-96-5	Manganese	88.7			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	39.3	B		P
7440-09-7	Potassium	J 4480	B	E	P
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	34200			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	2.6	B		P
7440-66-6	Zinc	40.0			P
	Cyanide	10.0	U		CA

Color Before: BROWN____ Clarity Before: CLOUDY Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN 3/90

VALIDATED

1LCA CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW33-04

12/17/97

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229711

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1224508.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: not dec. Date Analyzed: 12/24/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l		Q
67-64-1	Acetone	R	5	U
71-43-2	Benzene	14J ~~0.5~~		J
74-97-5	Bromochloromethane		1	U
75-27-4	Bromodichloromethane		1	U
75-25-2	Bromoform		1	U
74-83-9	Bromomethane		1	U
78-93-3	2-Butanone	R	5	U
75-15-0	Carbon Disulfide		1	U
56-23-5	Carbon Tetrachloride		1	U
108-90-7	Chlorobenzene		1	U
75-00-3	Chloroethane		1	U
67-66-3	Chloroform		1	U
74-87-3	Chloromethane		1	U
124-48-1	Dibromochloromethane		1	U
96-12-8	1,2-Dibromo-3-Chloropropane		1	U
106-93-4	1,2-Dibromoethane		1	U
95-50-1	1,2-Dichlorobenzene		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
75-34-3	1,1-Dichloroethane		1	U
107-06-2	1,2-Dichloroethane		1	U
75-35-4	1,1-Dichloroethene		1	U
156-59-2	Cis-1,2-Dichloroethene		1	U
156-60-5	Trans-1,2-Dichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
10061-01-5	Cis-1,3-Dichloropropene		1	U
10061-02-6	Trans-1,3-Dichloropropene		1	U
100-41-4	Ethylbenzene		1	U
591-78-6	2-Hexanone		5	U
75-09-2	Methylene Chloride	UJ	1	JB
108-10-1	4-Methyl-2-Pentanone		5	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
127-18-4	Tetrachloroethene		1	U

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW33-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229711

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1224508.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: not dec. Date Analyzed: 12/24/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	14J 0.1	J
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	5	U

1E

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW33-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229711

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1224508.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: not dec. Date Analyzed: 12/24/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

VALIDATED

Number TICs Found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
109-87-5	Methane, dimethoxy-	5.58	2	JN
000109-99-9	FURAN, TETRAHYDRO-	9.75	16	JN
	UNKNOWN HYDROCARBON	24.17	3	J

1B

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW33-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229711

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0109807.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/09/98

Injection Volume: 2.0 (uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	J 230	
111-44-4	Bis(2-Chloroethyl)Ether	UJ 20	U
95-57-8	2-Chlorophenol	20	U
541-73-1	1,3-Dichlorobenzene	20	U
106-46-7	1,4-Dichlorobenzene	20	U
95-50-1	1,2-Dichlorobenzene	20	U
95-48-7	2-Methylphenol	20	U
108-60-1	2,2'-oxybis(1-Chloropropane)	20	U
106-44-5	4-Methylphenol	20	U
621-64-7	N-Nitroso-Di-N-Propylamine	20	U
67-72-1	Hexachloroethane	20	U
98-95-3	Nitrobenzene	20	U
78-59-1	Isophorone	20	U
88-75-5	2-Nitrophenol	20	U
105-67-9	2,4-Dimethylphenol	20	U
111-91-1	Bis(2-Chloroethoxy)Methane	20	U
120-83-2	2,4-Dichlorophenol	20	U
120-82-1	1,2,4-Trichlorobenzene	20	U
91-20-3	Naphthalene	20	U
106-47-8	4-Chloroaniline	20	U
87-68-3	Hexachlorobutadiene	20	U
59-50-7	4-Chloro-3-Methylphenol	20	U
91-57-6	2-Methylnaphthalene	20	U
77-47-4	Hexachlorocyclopentadiene	20	U
88-06-2	2,4,6-Trichlorophenol	20	U
95-95-4	2,4,5-Trichlorophenol	80	U
91-58-7	2-Chloronaphthalene	20	U
88-74-4	2-Nitroaniline	80	U
131-11-3	Dimethylphthalate	20	U
208-96-8	Acenaphthylene	20	U
606-20-2	2,6-Dinitrotoluene	20	U
99-09-2	3-Nitroaniline	80	U
83-32-9	Acenaphthene	20	U

1C

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW33-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229711

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0109807.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/09/98

Injection Volume: 2.0 (uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l		Q
51-28-5	2,4-Dinitrophenol	uJ	80	U
100-02-7	4-Nitrophenol		80	U
132-64-9	Dibenzofuran		20	U
121-14-2	2,4-Dinitrotoluene		20	U
84-66-2	Diethylphthalate		20	U
7005-72-3	4-Chlorophenyl-phenylether		20	U
86-73-7	Fluorene		20	U
100-01-6	4-Nitroaniline		80	U
534-52-1	4,6-Dinitro-2-Methylphenol		80	U
86-30-6	N-Nitrosodiphenylamine (1)		20	U
101-55-3	4-Bromophenyl-phenylether		20	U
118-74-1	Hexachlorobenzene		20	U
87-86-5	Pentachlorophenol		80	U
85-01-8	Phenanthrene		20	U
120-12-7	Anthracene		20	U
86-74-8	Carbazole		20	U
84-74-2	Di-N-Butylphthalate		20	U
206-44-0	Fluoranthene		20	U
129-00-0	Pyrene		20	U
85-68-7	Butylbenzylphthalate		20	U
91-94-1	3,3'-Dichlorobenzidine		20	U
56-55-3	Benzo(a)Anthracene		20	U
218-01-9	Chrysene		20	U
117-81-7	Bis(2-Ethylhexyl)Phthalate		20	U
117-84-0	Di-N-Octylphthalate		20	U
205-99-2	Benzo(b)Fluoranthene		20	U
207-08-9	Benzo(k)Fluoranthene		20	U
50-32-8	Benzo(a)Pyrene		20	U
193-39-5	Indeno(1,2,3-Cd)Pyrene		20	U
53-70-3	Dibenz(A,H)Anthracene		20	U
191-24-2	Benzo(G,H,I)Perylene	V	20	U

1F

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW33-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229711

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0109807.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/09/98

Injection Volume: 2 (uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

Number TICs Found: 7

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	UNKNOWN ALCOHOL	8.79	68	J
	UNKNOWN ALCOHOL	8.86	82	J
	UNKNOWN	9.06	51	J
000104-76-7	1-HEXANOL, 2-ETHYL-	9.30	71	JN
	UNKNOWN	10.96	450	J
	UNKNOWN	11.47	57	J
000112-34-5	ETHANOL, 2-(2-BUTOXYETHOXY)-	12.09	170	JN

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
ACSGWMW33-04

MW33

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

Lab Code: IEA Case No.: 2240-114 SDG No.: 12273

Lab Sample ID: 971229711 Date Received: 12/18/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/22/97

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/11/98

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
ACS-GWMW33-04
MW33

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Lab Code: AEN___ Case No:2240_114___ SAS No.: _____ SDG No.: 12273_

Matrix (soil/water): WATER Lab Sample ID: 971229711

Level (low/med): LOW__ Date Received: 12/18/97

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4 215			P
7440-36-0	Antimony	4 1.3	B		P
7440-38-2	Arsenic	18.0			P
7440-39-3	Barium	1160			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	275000			P
7440-47-3	Chromium	12.2			P
7440-48-4	Cobalt	3.3	B		P
7440-50-8	Copper	28.2			P
7439-89-6	Iron	25800			P
7439-92-1	Lead	2.4	B		P
7439-95-4	Magnesium	61300			P
7439-96-5	Manganese	109			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	18.1	B		P
7440-09-7	Potassium	15100		E	P
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	187000			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	1.0	U		P
7440-66-6	Zinc	17.5	B		P
	Cyanide	10.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN

VALIDATED 3/00

1LCA

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW34-04

Lab Name: AEN-NC Method: SOW 691

12/18/97

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971232918

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1224E03.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: not dec. Date Analyzed: 12/24/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
67-64-1	Acetone	R 5	U
71-43-2	Benzene	1	U
74-97-5	Bromochloromethane	1	U
75-27-4	Bromodichloromethane	1	U
75-25-2	Bromoform	1	U
74-83-9	Bromomethane	1	U
78-93-3	2-Butanone	R 5	U
75-15-0	Carbon Disulfide	0.2	J
56-23-5	Carbon Tetrachloride	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
67-66-3	Chloroform	1	U
74-87-3	Chloromethane	0.2	J
124-48-1	Dibromochloromethane	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
106-93-4	1,2-Dibromoethane	1	U
95-50-1	1,2-Dichlorobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
75-34-3	1,1-Dichloroethane	1	U
107-06-2	1,2-Dichloroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
156-59-2	Cis-1,2-Dichloroethene	1	U
156-60-5	Trans-1,2-Dichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	Cis-1,3-Dichloropropene	1	U
10061-02-6	Trans-1,3-Dichloropropene	1	U
100-41-4	Ethylbenzene	1	U
591-78-6	2-Hexanone	5	U
75-09-2	Methylene Chloride	1.4 0.8	J
108-10-1	4-Methyl-2-Pentanone	5	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
127-18-4	Tetrachloroethene	1	U

1LCA CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW34-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971232918

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1224E03.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: not dec. Date Analyzed: 12/24/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	0.6	J
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	5	U

1E

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACS-GWMW34-04

Lab Name: AEN-NC   Method: SOW 691

Lab Code: AEN   Case No.: 2240-114   SDG No.: 12273

Matrix: (soil/water) WATER   Lab Sample ID: 971232918

Sample wt/vol: 25 (g/mL) ml   Lab File ID: 1224E03.D

Level: (low/med) LOW   Date Received: 12/19/97

% Moisture: not dec.   Date Analyzed: 12/24/97

GC Column: DB-624 ID: .53(mm)   Dilution Factor: 1.0

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

VALIDATED

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

1B CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW34-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971232918

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0109810.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/09/98

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	96	
111-44-4	Bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-N-Propylamine	UJ 10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	UJ 10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	40	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	40	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	40	U
83-32-9	Acenaphthene	10	U

1C

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW34-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971232918

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0109810.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/09/98

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	UJ 40	U
100-02-7	4-Nitrophenol	40	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	40	U
534-52-1	4,6-Dinitro-2-Methylphenol	40	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	40	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-N-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	13	
117-84-0	Di-N-Octylphthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(K)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	10	U
53-70-3	Dibenz(A,H)Anthracene	10	U
191-24-2	Benzo(G,H,I)Perylene	10	U

1F

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW34-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971232918

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0109810.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/09/98

Injection Volume: 2 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000104-76-7	1-HEXANOL, 2-ETHYL-	9.28	42	JN

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
MCSGWMW34-04

MW34

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

Lab Code: IEA Case No.: 2240-114 SDG No.: 12273

Lab Sample ID: 971232918 Date Received: 12/19/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/23/97

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/15/98

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.: ACS-GWMW34-04

MW34

b Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

b de: AEN___ Case No:2240_114___ SAS No.: _____ SDG No.: 12273_

trix (soil/water): WATER Lab Sample ID: 971232918

vel (low/med): LOW__ Date Received: 12/19/97

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	427			P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	175	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	85800			P
7440-47-3	Chromium	38.0			P
7440-48-4	Cobalt	1.3	B		P
7440-50-8	Copper	21.8	B		P
7439-89-6	Iron	4160			P
7439-92-1	Lead	4.8			P
7439-95-4	Magnesium	51000			P
7439-96-5	Manganese	42.5			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	25.4	B		P
7440-09-7	Potassium	4810	B	E	P
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	36500			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	1.0	B		P
7440-66-6	Zinc	29.4			P
	Cyanide	10.0	U		CA

olor Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

olor After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

omments:

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_____

VALIDATED

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO

ACS-GWMW36-04

Lab Name: AEN-NC Method: SOW 691

DATE SAMPLED: 12/12/97

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971222409

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1217E10.D

Level: (low/med) LOW Date Received: 12/13/97

% Moisture: not dec. Date Analyzed: 12/18/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CRQL MULTIPLIER = 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/l	Q
67-64-1	Acetone	R MD	5	
71-43-2	Benzene		1	U
74-97-5	Bromochloromethane		1	U
75-27-4	Bromodichloromethane		1	U
75-25-2	Bromoform		1	U
74-83-9	Bromomethane		1	U
78-93-3	2-Butanone	R	5	U
75-15-0	Carbon Disulfide		1	U
56-23-5	Carbon Tetrachloride		1	U
108-90-7	Chlorobenzene		1	U
75-00-3	Chloroethane		1	U
67-66-3	Chloroform		1	U
74-87-3	Chloromethane		1	U
124-48-1	Dibromochloromethane		1	U
96-12-8	1,2-Dibromo-3-Chloropropane		1	U
106-93-4	1,2-Dibromoethane		1	U
95-50-1	1,2-Dichlorobenzene		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
75-34-3	1,1-Dichloroethane		1	U
107-06-2	1,2-Dichloroethane		1	U
75-35-4	1,1-Dichloroethene		1	U
156-59-2	Cis-1,2-Dichloroethene		1	U
156-60-5	Trans-1,2-Dichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
10061-01-5	Cis-1,3-Dichloropropene		1	U
10061-02-6	Trans-1,3-Dichloropropene		1	U
100-41-4	Ethylbenzene		1	U
591-78-6	2-Hexanone		5	U
75-09-2	Methylene Chloride	24	0.1	J
108-10-1	4-Methyl-2-Pentanone		5	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
127-18-4	Tetrachloroethene		1	U

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO

ACS-GWMW36-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971222409

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1217E10.D

Level: (low/med) LOW Date Received: 12/13/97

% Moisture: not dec. Date Analyzed: 12/18/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	1	U
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	5	U

VALIDATED

1E
LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.
ACS-GWMW36-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971222409

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1217E10.D

Level: (low/med) LOW Date Received: 12/13/97

% Moisture: not dec. Date Analyzed: 12/18/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

VALIDATED

1B

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW36-04

Lab Name: AEN-NC Method: SOW 691

DATE SAMPLED: 12/12/97

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971222409

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0107811.D

Level: (low/med) LOW Date Received: 12/13/97 (1)

% Moisture: decanted: (Y/N) Date Extracted: 12/17/97 (5)

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/07/98 (21)

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: CRQL MULTIPLIER = 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	48	
111-44-4	Bis(2-Chloroethyl)Ether	5	U
95-57-8	2-Chlorophenol	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-Di-N-Propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	Bis(2-Chloroethoxy)Methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-Methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

VALIDATED

1C

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO

ACS-GWMW36-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971222409

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0107811.D

Level: (low/med) LOW Date Received: 12/13/97

% Moisture: decanted: (Y/N) Date Extracted: 12/17/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/07/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

VALIDATED

1F

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW36-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-108 SDG No.: 12202

Matrix: (soil/water) WATER Lab Sample ID: 971222409

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0107811.D

Level: (low/med) LOW Date Received: 12/13/97

% Moisture: decanted: (Y/N) Date Extracted: 12/17/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/07/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000104-76-7	1-HEXANOL, 2-ETHYL-	9.51	JN 12	JN

FORM I SV-TIC

VALIDATED

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
ACS-GWMW36-04

MW36

AEN, INC. - NC

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

Lab Code: IEA Case No.: 2240-108 SDG No.: 12202

Lab Sample ID: 971222409 Date Received: 12/13/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/17/97

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/10/98

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L) CRQL MULTIPLIER = 1.00	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
ACS-GWMW36-04

MW36

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Lab Code: AEN___ Case No:2240_108___ SAS No.: _____ SDG No.: 12202_

Matrix (soil/water): WATER Lab Sample ID: 971222409

Level (low/med): LOW__ Date Received: 12/13/97
12/12/97

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	140	B		P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	J 171	B	E	P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	74800			P
7440-47-3	Chromium	6.3	B		P
7440-48-4	Cobalt	1.0	U		P
7440-50-8	Copper	9.9	B		P
7439-89-6	Iron	3190			P
7439-92-1	Lead	1.7	B	*	P
7439-95-4	Magnesium	J 46100			P
7439-96-5	Manganese	39.5			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	8.3	B		P
7440-09-7	Potassium	J 4250	B	E	P
7782-49-2	Selenium	2.5	B		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	31800			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	1.0	U		P
7440-66-6	Zinc	30.0			P
_____	Cyanide	10.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

_____

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VALIDATED

1LCA

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW50-04

12.18.97

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-117 SDG No.: 12331

Matrix: (soil/water) WATER Lab Sample ID: 971233103

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1229507.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: not dec. Date Analyzed: 12/29/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
67-64-1	Acetone	5	U
71-43-2	Benzene	1	U
74-97-5	Bromochloromethane	1	U
75-27-4	Bromodichloromethane	1	U
75-25-2	Bromoform	1	U
74-83-9	Bromomethane	1	U
78-93-3	2-Butanone	5	U
75-15-0	Carbon Disulfide	0.2	J
56-23-5	Carbon Tetrachloride	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
67-66-3	Chloroform	1	U
74-87-3	Chloromethane	1	U
124-48-1	Dibromochloromethane	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
106-93-4	1,2-Dibromoethane	1	U
95-50-1	1,2-Dichlorobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
75-34-3	1,1-Dichloroethane	1	U
107-06-2	1,2-Dichloroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
156-59-2	Cis-1,2-Dichloroethene	1	U
156-60-5	Trans-1,2-Dichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	Cis-1,3-Dichloropropene	1	U
10061-02-6	Trans-1,3-Dichloropropene	1	U
100-41-4	Ethylbenzene	1	U
591-78-6	2-Hexanone	5	U
75-09-2	Methylene Chloride	24 0.2	JB
108-10-1	4-Methyl-2-Pentanone	5	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
127-18-4	Tetrachloroethene	1	U

FORM I VOA

VALIDATED

1LCA

CLIENT SAMPLE NO

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW50-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-117 SDG No.: 12331

Matrix: (soil/water) WATER Lab Sample ID: 971233103

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1229507.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: not dec. Date Analyzed: 12/29/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	0.4	J
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	5	U

VALIDATED

1E

CLIENT SAMPLE NO

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW50-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-117 SDG No.: 12331

Matrix: (soil/water) WATER Lab Sample ID: 971233103

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1229507.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: not dec. Date Analyzed: 12/29/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

VALIDATED

1B

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW50-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-117 SDG No.: 12331

Matrix: (soil/water) WATER Lab Sample ID: 971233103

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0112H09.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/13/98

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	140	
111-44-4	Bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-N-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	R 10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	UJ 10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	40	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	40	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	40	U
83-32-9	Acenaphthene	10	U

VALIDATED

1C

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW50-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-117 SDG No.: 12331

Matrix: (soil/water) WATER Lab Sample ID: 971233103

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0112H09.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/13/98

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	40	U
100-02-7	4-Nitrophenol	40	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	40	U
534-52-1	4,6-Dinitro-2-Methylphenol	40	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	40	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-N-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-N-Octylphthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	10	U
53-70-3	Dibenz(A,H)Anthracene	10	U
191-24-2	Benzo(G,H,I)Perylene	10	U

1F

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW50-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-117 SDG No.: 12331

Matrix: (soil/water) WATER Lab Sample ID: 971233103

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0112H09.D

Level: (low/med) LOW Date Received: 12/19/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/13/98

Injection Volume: 2 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	UNKNOWN HYDROCARBON	9.24	21	J
	UNKNOWN	10.69	21	J

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VALIDATED

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW50

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

Lab Code: IEA Case No.: 2240-117 SDG No.: 12331

Lab Sample ID: 971233103 Date Received: 12/19/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted:12/23/97

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/14/98

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

INORGANIC ANALYSES DATA SHEET

MW5004

12-18-97

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Lab Code: AEN___ Case No:2240_117___ SAS No.: _____ SDG No.: 12331_

Matrix (soil/water): WATER Lab Sample ID: 971233103

Level (low/med): LOW__ Date Received: 12/19/97

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7360			P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	3.5	B		P
7440-39-3	Barium	234			P
7440-41-7	Beryllium	1.0	B		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	149000			P
7440-47-3	Chromium	31.7			P
7440-48-4	Cobalt	6.5	B		P
7440-50-8	Copper	19.3	B		P
7439-89-6	Iron	12200			P
7439-92-1	Lead	7.9			P
7439-95-4	Magnesium	68700			P
7439-96-5	Manganese	239			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	35.2	B		P
7440-09-7	Potassium	17800		E	P
7782-49-2	Selenium	UJ 2.1	B		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	347000			P
7440-28-0	Thallium	2.5	B		P
7440-62-2	Vanadium	11.9	B		P
7440-66-6	Zinc	45.6			P
	Cyanide	10.0	U		CA

Color Before: BROWN____ Clarity Before: CLOUDY Texture: _____

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN

3/90

VALIDATED

1LCA

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW51-04

12/17/97

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229709

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1224107.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: not dec. Date Analyzed: 12/24/97

GC Column: DB-624 ID: 0.53(mm) Dilution Factor: 100

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

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/l	Q
67-64-1	Acetone	R	500	U
71-43-2	Benzene		100	U
74-97-5	Bromochloromethane		100	U
75-27-4	Bromodichloromethane		100	U
75-25-2	Bromoform		100	U
74-83-9	Bromomethane	UJ	100	U
78-93-3	2-Butanone	R	500	U
75-15-0	Carbon Disulfide		100	U
56-23-5	Carbon Tetrachloride		100	U
108-90-7	Chlorobenzene		100	U
75-00-3	Chloroethane		100	U
67-66-3	Chloroform		100	U
74-87-3	Chloromethane		100	U
124-48-1	Dibromochloromethane		100	U
96-12-8	1,2-Dibromo-3-Chloropropane		100	U
106-93-4	1,2-Dibromoethane		100	U
95-50-1	1,2-Dichlorobenzene		100	U
541-73-1	1,3-Dichlorobenzene		100	U
106-46-7	1,4-Dichlorobenzene		100	U
75-34-3	1,1-Dichloroethane		100	U
107-06-2	1,2-Dichloroethane		100	U
75-35-4	1,1-Dichloroethene		100	U
156-59-2	Cis-1,2-Dichloroethene		100	U
156-60-5	Trans-1,2-Dichloroethene		100	U
78-87-5	1,2-Dichloropropane		100	U
10061-01-5	Cis-1,3-Dichloropropene		100	U
10061-02-6	Trans-1,3-Dichloropropene		100	U
100-41-4	Ethylbenzene		100	U
591-78-6	2-Hexanone		500	U
75-09-2	Methylene Chloride	UJ	29	JB
108-10-1	4-Methyl-2-Pentanone		500	U
100-42-5	Styrene		100	U
79-34-5	1,1,2,2-Tetrachloroethane		100	U
127-18-4	Tetrachloroethene		100	U

1LCA CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW51-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229709

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1224107.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: not dec. Date Analyzed: 12/24/97

GC Column: DB-624 ID: 0.53(mm) Dilution Factor: 100

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

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	100	U
71-55-6	1,1,1-Trichloroethane	100	U
79-00-5	1,1,2-Trichloroethane	100	U
79-01-6	Trichloroethene	100	U
75-01-4	Vinyl Chloride	100	U
1330-20-7	Xylene (Total)	500	U

1E

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW51-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229709

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1224107.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: not dec. Date Analyzed: 12/24/97

GC Column: DB-624 ID: 0.53(mm) Dilution Factor: 100.0

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

VALIDATED

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000060-29-7	ETHER	3.92	2500	JN

1B

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW51-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229709

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0108806.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/08/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	J 56	
111-44-4	Bis(2-Chloroethyl)Ether	UJ 5	U
95-57-8	2-Chlorophenol	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-Di-N-Propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	Bis(2-Chloroethoxy)Methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-Methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

1C

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW51-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229709

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0108806.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/08/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l		Q
51-28-5	2,4-Dinitrophenol		20	U
100-02-7	4-Nitrophenol		20	U
132-64-9	Dibenzofuran		5	U
121-14-2	2,4-Dinitrotoluene		5	U
84-66-2	Diethylphthalate		5	U
7005-72-3	4-Chlorophenyl-phenylether		5	U
86-73-7	Fluorene		5	U
100-01-6	4-Nitroaniline		20	U
534-52-1	4,6-Dinitro-2-Methylphenol		20	U
86-30-6	N-Nitrosodiphenylamine (1)		5	U
101-55-3	4-Bromophenyl-phenylether		5	U
118-74-1	Hexachlorobenzene		5	U
87-86-5	Pentachlorophenol		20	U
85-01-8	Phenanthrene		5	U
120-12-7	Anthracene		5	U
86-74-8	Carbazole		5	U
84-74-2	Di-N-Butylphthalate		5	U
206-44-0	Fluoranthene		5	U
129-00-0	Pyrene		5	U
85-68-7	Butylbenzylphthalate		5	U
91-94-1	3,3'-Dichlorobenzidine		5	U
56-55-3	Benzo(a)Anthracene		5	U
218-01-9	Chrysene		5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate		5	U
117-84-0	Di-N-Octylphthalate		5	U
205-99-2	Benzo(b)Fluoranthene		5	U
207-08-9	Benzo(k)Fluoranthene		5	U
50-32-8	Benzo(a)Pyrene		5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene		5	U
53-70-3	Dibenz(A,H)Anthracene		5	U
191-24-2	Benzo(G,H,I)Perylene		5	U

1F

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW51-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229709

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0108806.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/08/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

Number TICs Found: 12

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	UNKNOWN ALCOHOL	9.02	14	J
	UNKNOWN ALCOHOL	9.10	16	J
	UNKNOWN	9.47	13	J
	UNKNOWN	9.54	14	J
	UNKNOWN	10.30	33	J
	UNKNOWN	10.38	10	J
	UNKNOWN	10.63	13	J
	UNKNOWN	11.26	100	J
	UNKNOWN	15.26	34	J
	UNKNOWN	15.97	20	J
	UNKNOWN	18.20	12	J
	UNKNOWN	21.35	16	J

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
ACS-GWMW51-04

MW51

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

Lab Code: IEA Case No.: 2240-114 SDG No.: 12273

Lab Sample ID: 971229709 Date Received: 12/18/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/22/97

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/11/98

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
ACSGWMW51-04
MW51

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Code: AEN___ Case No:2240_114___ SAS No.: _____ SDG No.: 12273_

Matrix (soil/water): WATER Lab Sample ID: 971229709

Level (low/med): LOW__ Date Received: 12/18/97

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1300			P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	366			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	132000			P
7440-47-3	Chromium	8.3	B		P
7440-48-4	Cobalt	2.6	B		P
7440-50-8	Copper	9.3	B		P
7439-89-6	Iron	8560			P
7439-92-1	Lead	3.7			P
7439-95-4	Magnesium	58600			P
7439-96-5	Manganese	130			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	10.0	B		P
7440-09-7	Potassium	4200	B	E	P
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	111000			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	2.8	B		P
7440-66-6	Zinc	17.5	B		P
	Cyanide	10.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

_____

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VALIDATED

1LCA

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW52-04

Lab Name: AEN-NC Method: SOW 691

12/17/97

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229914

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1224512.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: not dec. Date Analyzed: 12/24/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 100

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

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/l	Q
67-64-1	Acetone	R	500	U
71-43-2	Benzene		100	U
74-97-5	Bromochloromethane		100	U
75-27-4	Bromodichloromethane		100	U
75-25-2	Bromoform		100	U
74-83-9	Bromomethane		100	U
78-93-3	2-Butanone	R	500	U
75-15-0	Carbon Disulfide		100	U
56-23-5	Carbon Tetrachloride		100	U
108-90-7	Chlorobenzene		100	U
75-00-3	Chloroethane		100	U
67-66-3	Chloroform		100	U
74-87-3	Chloromethane		100	U
124-48-1	Dibromochloromethane		100	U
96-12-8	1,2-Dibromo-3-Chloropropane		100	U
106-93-4	1,2-Dibromoethane		100	U
95-50-1	1,2-Dichlorobenzene		100	U
541-73-1	1,3-Dichlorobenzene		100	U
106-46-7	1,4-Dichlorobenzene		100	U
75-34-3	1,1-Dichloroethane		100	U
107-06-2	1,2-Dichloroethane		100	U
75-35-4	1,1-Dichloroethene		100	U
156-59-2	Cis-1,2-Dichloroethene		100	U
156-60-5	Trans-1,2-Dichloroethene		100	U
78-87-5	1,2-Dichloropropane		100	U
10061-01-5	Cis-1,3-Dichloropropene		100	U
10061-02-6	Trans-1,3-Dichloropropene		100	U
100-41-4	Ethylbenzene		100	U
591-78-6	2-Hexanone		500	U
75-09-2	Methylene Chloride	UJ	160	JB
108-10-1	4-Methyl-2-Pentanone		500	U
100-42-5	Styrene		100	U
79-34-5	1,1,2,2-Tetrachloroethane		100	U
127-18-4	Tetrachloroethene		100	U

1LCA CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW52-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229914

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1224512.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: not dec. Date Analyzed: 12/24/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 100

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

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	100	U
71-55-6	1,1,1-Trichloroethane	100	U
79-00-5	1,1,2-Trichloroethane	100	U
79-01-6	Trichloroethene	100	U
75-01-4	Vinyl Chloride	100	U
1330-20-7	Xylene (Total)	500	U

1E

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW52-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229914

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1224512.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: not dec. Date Analyzed: 12/24/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 100.0

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

VALIDATED

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000060-29-7	ETHER	4.93	2700	JN

FORM I VOA-TIC

1B CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW52-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229914

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0108H15.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: decanted: (Y/N) Date Extracted: 12/30/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/09/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	J 22	
111-44-4	Bis(2-Chloroethyl)Ether	UJ 5	U
95-57-8	2-Chlorophenol	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-Di-N-Propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	Bis(2-Chloroethoxy)Methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-Methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW52-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229914

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0108H15.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: decanted: (Y/N) Date Extracted: 12/30/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/09/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	UJ 20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW52-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229914

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0108H15.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: decanted: (Y/N) Date Extracted: 12/30/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/09/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

Number TICs Found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown Alcohol	9.01	10	J
	Unknown Alcohol	9.08	12	J
	Unknown	9.28	19	J
	Unknown	9.45	25	J
	Unknown	9.52	11	J
	Unknown	11.13	81	J
	Unknown	11.26	82	J
	Unknown	13.49	14	J
	Unknown	15.22	26	J
	Unknown	15.92	13	J

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
ACSGWMW52-04
MW52

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

Lab Code: IEA Case No.: 2240-114 SDG No.: 12273

Lab Sample ID: 971229914 Date Received: 12/18/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted:12/22/97

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/11/98

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

INORGANIC ANALYSES DATA SHEET

ACS-GWMW52-04

MW52

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Lab Code: AEN___ Case No:2240_114___ SAS No.: _____ SDG No.: 12273_

Matrix (soil/water): WATER Lab Sample ID: 971229914

Level (low/med): LOW__ Date Received: 12/18/97

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	590			P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	21.7			P
7440-39-3	Barium	304			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	116000			P
7440-47-3	Chromium	11.1			P
7440-48-4	Cobalt	2.5	B		P
7440-50-8	Copper	24.0	B		P
7439-89-6	Iron	5200			P
7439-92-1	Lead	2.9	B		P
7439-95-4	Magnesium	44400			P
7439-96-5	Manganese	202			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	12.0	B		P
7440-09-7	Potassium	3760	B	E	P
7782-49-2	Selenium	3.0	B		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	158000			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	1.9	B		P
7440-66-6	Zinc	19.8	B		P
_____	Cyanide	10.0	U		CA
_____	_____	_____			

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

_____

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FORM I - IN

3/9.0

VALIDATED

1LCA

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW53-04

12/17/97

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229915

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1224114.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: not dec. Date Analyzed: 12/24/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
67-64-1	Acetone	UJ 13	
71-43-2	Benzene	UJ 2	
74-97-5	Bromochloromethane	1	U
75-27-4	Bromodichloromethane	1	U
75-25-2	Bromoform	1	U
74-83-9	Bromomethane	UJ 1	U
78-93-3	2-Butanone	R 5	U
75-15-0	Carbon Disulfide	1	U
56-23-5	Carbon Tetrachloride	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
67-66-3	Chloroform	1	U
74-87-3	Chloromethane	1	U
124-48-1	Dibromochloromethane	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
106-93-4	1,2-Dibromoethane	1	U
95-50-1	1,2-Dichlorobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
75-34-3	1,1-Dichloroethane	1	U
107-06-2	1,2-Dichloroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
156-59-2	Cis-1,2-Dichloroethene	1	U
156-60-5	Trans-1,2-Dichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	Cis-1,3-Dichloropropene	1	U
10061-02-6	Trans-1,3-Dichloropropene	1	U
100-41-4	Ethylbenzene	0.1	J
591-78-6	2-Hexanone	5	U
75-09-2	Methylene Chloride	2	U
108-10-1	4-Methyl-2-Pentanone	6	
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
127-18-4	Tetrachloroethene	1	U

1LCA

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW53-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229915

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1224114.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: not dec. Date Analyzed: 12/24/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	14 0.9	J
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	0.2	J

1E

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW53-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229915

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1224114.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: not dec. Date Analyzed: 12/24/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

VALIDATED

Number TICs Found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	UNKNOWN HYDROCARBON	5.65	2	J
000123-91-1	1,4-DIOXANE	11.96	9	JN
	UNKNOWN HYDROCARBON	23.16	3	J

1B CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW53-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229915

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0108811.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/08/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l		Q
108-95-2	Phenol	J	46	
111-44-4	Bis(2-Chloroethyl)Ether	UJ	5	U
95-57-8	2-Chlorophenol		5	U
541-73-1	1,3-Dichlorobenzene		5	U
106-46-7	1,4-Dichlorobenzene		5	U
95-50-1	1,2-Dichlorobenzene		5	U
95-48-7	2-Methylphenol		5	U
108-60-1	2,2'-oxybis(1-Chloropropane)		5	U
106-44-5	4-Methylphenol		5	U
621-64-7	N-Nitroso-Di-N-Propylamine		5	U
67-72-1	Hexachloroethane		5	U
98-95-3	Nitrobenzene		5	U
78-59-1	Isophorone	J	4	J
88-75-5	2-Nitrophenol	UJ	5	U
105-67-9	2,4-Dimethylphenol		5	U
111-91-1	Bis(2-Chloroethoxy)Methane		5	U
120-83-2	2,4-Dichlorophenol		5	U
120-82-1	1,2,4-Trichlorobenzene		5	U
91-20-3	Naphthalene		5	U
106-47-8	4-Chloroaniline		5	U
87-68-3	Hexachlorobutadiene		5	U
59-50-7	4-Chloro-3-Methylphenol		5	U
91-57-6	2-Methylnaphthalene		5	U
77-47-4	Hexachlorocyclopentadiene		5	U
88-06-2	2,4,6-Trichlorophenol		5	U
95-95-4	2,4,5-Trichlorophenol		20	U
91-58-7	2-Chloronaphthalene		5	U
88-74-4	2-Nitroaniline		20	U
131-11-3	Dimethylphthalate		5	U
208-96-8	Acenaphthylene		5	U
606-20-2	2,6-Dinitrotoluene		5	U
99-09-2	3-Nitroaniline		20	U
83-32-9	Acenaphthene		5	U

1C

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW53-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229915

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0108811.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/08/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	0.7	J
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	3	J
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

1F

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW53-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-114 SDG No.: 12273

Matrix: (soil/water) WATER Lab Sample ID: 971229915

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0108811.D

Level: (low/med) LOW Date Received: 12/18/97

% Moisture: decanted: (Y/N) Date Extracted: 12/23/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/08/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

VALIDATED

Number TICs Found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	UNKNOWN ALCOHOL	9.08	33	J
	UNKNOWN ALCOHOL	9.16	29	J
	UNKNOWN	9.32	34	J
	UNKNOWN	9.58	49	J
000471-01-2	3-CYCLOHEXEN-1-ONE, 3,5,5-TR	9.81	13	JN
	UNKNOWN	10.24	16	J
	UNKNOWN	10.43	35	J
	UNKNOWN	10.58	14	J
	UNKNOWN	10.90	44	J
	UNKNOWN	12.05	18	J
000144-19-4	1,3-PENTANEDIOL, 2,2,4-TRIME	12.18	14	JN
	UNKNOWN	12.57	27	J
	UNKNOWN	12.95	56	J
	UNKNOWN	14.28	14	J
	UNKNOWN	15.27	16	J
	UNKNOWN	15.39	27	J
	UNKNOWN	16.87	14	J
000098-73-7	BENZOIC ACID, P-TERT-BUTYL-	17.04	14	JN
000101-10-0	PROPANOIC ACID, 2-(3-CHLOROP	18.29	34	JN
	UNKNOWN	18.99	14	J

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
ACS-GWMW53-04

MW53

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

Lab Code: IEA Case No.: 2240-114 SDG No.: 12273

Lab Sample ID: 971229915 Date Received: 12/18/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted:12/22/97

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/11/98

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

VALIDATED

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.011	J
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

INORGANIC ANALYSES DATA SHEET

ACSGWMW53-04

MW53

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Lab Code: AEN___ Case No:2240_114___ SAS No.: _____ SDG No.: 12273_

Matrix (soil/water): WATER Lab Sample ID: 971229915

Level (low/med): LOW__ Date Received: 12/18/97

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3080			P
7440-36-0	Antimony	4 2.0	B		P
7440-38-2	Arsenic	6.2	B		P
7440-39-3	Barium	1440			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	242000			P
7440-47-3	Chromium	26.0			P
7440-48-4	Cobalt	4.6	B		P
7440-50-8	Copper	26.5			P
7439-89-6	Iron	26600			P
7439-92-1	Lead	8.5			P
7439-95-4	Magnesium	102000			P
7439-96-5	Manganese	239			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	33.2	B		P
7440-09-7	Potassium	27800		E	P
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	392000			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	3.1	B		P
7440-66-6	Zinc	51.3			P
	Cyanide	10.0	U		CA

Color Before: COLORLESS Clarity Before: CLOUDY Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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FORM I - IN

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VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO

ACS-GWMW54-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216911

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1216509.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: not dec. Date Analyzed: 12/16/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l

CAS NO.	COMPOUND	ug/l	Q
67-64-1	Acetone	~~UJ~~ R 3	J
71-43-2	Benzene	0.1	J
74-97-5	Bromochloromethane	1	U
75-27-4	Bromodichloromethane	1	U
75-25-2	Bromoform	1	U
74-83-9	Bromomethane	1	U
78-93-3	2-Butanone	5	U
75-15-0	Carbon Disulfide	1	U
56-23-5	Carbon Tetrachloride	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	J 0.2	J
67-66-3	Chloroform	1	U
74-87-3	Chloromethane	1	U
124-48-1	Dibromochloromethane	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
106-93-4	1,2-Dibromoethane	1	U
95-50-1	1,2-Dichlorobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
75-34-3	1,1-Dichloroethane	1	U
107-06-2	1,2-Dichloroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
156-59-2	Cis-1,2-Dichloroethene	1	U
156-60-5	Trans-1,2-Dichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	Cis-1,3-Dichloropropene	1	U
10061-02-6	Trans-1,3-Dichloropropene	1	U
100-41-4	Ethylbenzene	1	U
591-78-6	2-Hexanone	5	U
75-09-2	Methylene Chloride	2	U
108-10-1	4-Methyl-2-Pentanone	5	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
127-18-4	Tetrachloroethene	1	U

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FORM I VOA

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW54-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216911

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1216509.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: not dec. Date Analyzed: 12/16/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	0.7	J
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	5	U

VALIDATED

1E

CLIENT SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW54-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216911

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1216509.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: not dec. Date Analyzed: 12/16/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

VALIDATED

1B

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW54-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216911

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0106H11.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: decanted: (Y/N) Date Extracted: 12/15/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	3	J
111-44-4	Bis(2-Chloroethyl)Ether	5	U
95-57-8	2-Chlorophenol	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-Di-N-Propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	Bis(2-Chloroethoxy)Methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-Methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

VALIDATED

1C

CLIENT SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW54-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216911

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0106H11.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: decanted: (Y/N) Date Extracted: 12/15/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	5	U
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

1F

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW54-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216911

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0106H11.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: decanted: (Y/N) Date Extracted: 12/15/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	UNKNOWN	9.93	10	J
	UNKNOWN	10.13	12	J
	UNKNOWN	16.85	11	J

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO. ACS-GWMW54-04

MW54

AEN, INC.-NC

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: SOW 6/91

DATE SAMPLED: 12/10/97

Lab Code: IEA Case No.: 2240-104 SDG No.: 12155

Lab Sample ID: 971216911 Date Received: 12/11/97 (1)

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/15/97 (5)

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/06/98 (22)

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L) CRQL MULTIPLIER=1.00	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

VALIDATED

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACS-GWMW54-04

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Lab Code: AEN___ Case No:2240_104___ SAS No.: _____ SDG No.: 12155_

Matrix (soil/water): WATER Lab Sample ID: 971216911

Level (low/med): LOW__ Date Received: 12/11/98

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	529			P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	u 3.6	B		P
7440-39-3	Barium	150	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	124000			P
7440-47-3	Chromium	u 6.3	B		P
7440-48-4	Cobalt	1.2	B		P
7440-50-8	Copper	u 11.9	B		P
7439-89-6	Iron	3710			P
7439-92-1	Lead	1.9	B		P
7439-95-4	Magnesium	50200			P
7439-96-5	Manganese	130			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	u 7.4	B		P
7440-09-7	Potassium	J 1940	B	E	P
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	24600			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	1.0	U		P
7440-66-6	Zinc	u 21.5			P
	Cyanide	10.0	U		CA

Color Before: BROWN____ Clarity Before: CLOUDY Texture: _____

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

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VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW55-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216912

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1216510.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: not dec. Date Analyzed: 12/16/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l		Q
67-64-1	Acetone	R	3	J
71-43-2	Benzene		1	U
74-97-5	Bromochloromethane		1	U
75-27-4	Bromodichloromethane		1	U
75-25-2	Bromoform		1	U
74-83-9	Bromomethane		1	U
78-93-3	2-Butanone	R	5	U
75-15-0	Carbon Disulfide		1	U
56-23-5	Carbon Tetrachloride		1	U
108-90-7	Chlorobenzene		1	U
75-00-3	Chloroethane	UJ	1	U
67-66-3	Chloroform		1	U
74-87-3	Chloromethane		1	U
124-48-1	Dibromochloromethane		1	U
96-12-8	1,2-Dibromo-3-Chloropropane		1	U
106-93-4	1,2-Dibromoethane		1	U
95-50-1	1,2-Dichlorobenzene		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
75-34-3	1,1-Dichloroethane		1	U
107-06-2	1,2-Dichloroethane		1	U
75-35-4	1,1-Dichloroethene		1	U
156-59-2	Cis-1,2-Dichloroethene		1	U
156-60-5	Trans-1,2-Dichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
10061-01-5	Cis-1,3-Dichloropropene		1	U
10061-02-6	Trans-1,3-Dichloropropene		1	U
100-41-4	Ethylbenzene		1	U
591-78-6	2-Hexanone		5	U
75-09-2	Methylene Chloride		2	U
108-10-1	4-Methyl-2-Pentanone		5	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
127-18-4	Tetrachloroethene		1	U

VALIDATED

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACS-GWMW55-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216912

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1216510.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: not dec. Date Analyzed: 12/16/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-88-3	Toluene	VJ 1	
71-55-6	1,1,1-Trichloroethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
79-01-6	Trichloroethene	1	U
75-01-4	Vinyl Chloride	1	U
1330-20-7	Xylene (Total)	5	U

1E

CLIENT SAMPLE NO

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ACS-GWMW55-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216912

Sample wt/vol: 25 (g/mL) ml Lab File ID: 1216510.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: not dec. Date Analyzed: 12/16/97

GC Column: DB-624 ID: .53(mm) Dilution Factor: 1.0

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

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

1B

CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW55-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216912

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0106H12.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: decanted: (Y/N) Date Extracted: 12/15/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	50	
111-44-4	Bis(2-Chloroethyl)Ether	5	U
95-57-8	2-Chlorophenol	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-Di-N-Propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	Bis(2-Chloroethoxy)Methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	UJ 5	U
59-50-7	4-Chloro-3-Methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

VALIDATED

1C CLIENT SAMPLE NO

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ACS-GWMW55-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216912

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0106H12.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: decanted: (Y/N) Date Extracted: 12/15/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-N-Butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)Anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	6	
117-84-0	Di-N-Octylphthalate	5	U
205-99-2	Benzo(b)Fluoranthene	5	U
207-08-9	Benzo(k)Fluoranthene	5	U
50-32-8	Benzo(a)Pyrene	5	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	5	U
53-70-3	Dibenz(A,H)Anthracene	5	U
191-24-2	Benzo(G,H,I)Perylene	5	U

VALIDATED

1F

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO

ACS-GWMW55-04

Lab Name: AEN-NC Method: SOW 691

Lab Code: AEN Case No.: 2240-104 SDG No.: 12155

Matrix: (soil/water) WATER Lab Sample ID: 971216912

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 0106H12.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: decanted: (Y/N) Date Extracted: 12/15/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/06/98

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000104-76-7	1-HEXANOL, 2-ETHYL-	9.30	22	JN

FORM I SV-TIC

VALIDATED

1LCD

CLIENT SAMPLE NO.

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET ACS-GWMW55-04

MW55

Lab Name: INDUSTRIAL & ENVIRONMENTA (AEN, Inc.-NC) Contract: SOW 6/91

Lab Code: IEA Case No.: 2240-104 SDG No.: 12155

DATE SAMPLED: 12/10/97

Lab Sample ID: 971216912 Date Received: 12/11/97

Sample wt/vol: 1000 (g/mL) ML Date Extracted: 12/15/97 (5)

Concentrated Extract Volume: 2000(uL) Date Analyzed: 01/07/98 (23)

Injection Volume: 1.0(uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L) CRQL MULTIPLIER=1.00	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

VALIDATED

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGMW55-04

Lab Name: AMERICAN_ENVIRONMENTAL_NE Contract: _____

Code: AEN___ Case No:2240_104___ SAS No.: _____ SDG No.: 12155_

Matrix (soil/water): WATER Lab Sample ID: 971216912

Level (low/med): LOW__ Date Received: 12/11/98

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12200			P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	u 7.2	B		P
7440-39-3	Barium	333			P
7440-41-7	Beryllium	1.3	B		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	97600			P
7440-47-3	Chromium	86.8			P
7440-48-4	Cobalt	8.1	B		P
7440-50-8	Copper	111			P
7439-89-6	Iron	13300			P
7439-92-1	Lead	37.2			P
7439-95-4	Magnesium	56900			P
7439-96-5	Manganese	679			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	92.6			P
7440-09-7	Potassium	J 8200		E	P
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	48200			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	10.9	B		P
7440-66-6	Zinc	118			P
	Cyanide	10.0	U		CA

Color Before: BROWN____ Clarity Before: CLOUDY Texture: _____

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

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VALIDATED