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# TECHNICAL MEMORANDUM
# JUNE 1998 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

December 1998

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## GRIFFITH, INDIANA

**Prepared For:**

**American Chemical Service**
**Griffith, Indiana**

Prepared by: _____ 12/17/98
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Project Manager

# EXECUTIVE SUMMARY

This Technical Memorandum summarizes the June 1998 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 September 1997 U. S. Environmental Protection Agency (U.S. EPA) approved sampling plan.

## SITE HYDROGEOLOGY

The groundwater flow east of the ACS facility contacts the barrier wall and is diverted to the north and to the south. 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 injection wells. Within the Griffith Landfill, a local groundwater low reflects the activity of the leachate collection system (LCS).

Horizontal groundwater flow in the lower aquifer is northward with a hydraulic gradient of 0.00042. This gradient is historically 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. Vertical gradients in the wetland area were upwards, generally very low, and show little difference in head between upper and lower portions of the upper aquifer. The vertical gradients measured are consistent with a typical wetland where shallow groundwater is in close contact with surface water. Strong downward vertical gradients were measured between the upper and lower aquifer. Vertical gradients measured in the lower aquifer were variable; of the calculated gradients, five were downward, three were upward, and seven were within the margin of potential error in water level measurement. This variability indicates that there is not an overall trend to the vertical gradient data in the lower aquifer.

## ANALYTICAL RESULTS – UPPER AQUIFER

For purposes of discussion the upper aquifer was divided into three regions for analysis: the North Area, South Area, and the 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 at the southern end of the Offsite Containment Area.

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.

These detections were compared to maximum baseline concentrations and there were no VOC maximum baseline exceedances in the North Area. VOCs were either not detected or detected at low concentrations in the upgradient wells, edge wells, 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. For the most part, contaminant concentrations remained consistent in the North Area.

There was one VOC baseline exceedance in the South Area. MW6 exceeded the baseline maximum concentration for bis(2-ethylhexyl)phthalate. Otherwise, contaminant concentrations remained relatively consistent with historical sample results for the South Area. One Griffith Landfill well, M-4S, exceeded the baseline maximum concentration for chloromethane.

## ANALYTICAL RESULTS - LOWER AQUIFER

In the lower aquifer, one monitoring well, MW32, exceeded the baseline concentration for the VOC chloromethane. One lower aquifer monitoring well, MW29, exceeded baseline concentrations for the SVOC bis(2-ethylhexyl)phthalate.

## PHENOL RESULTS – UPPER AND LOWER AQUIFERS

The use of teflon sample tubing decreased the number of phenol detections in the upper aquifer from eighteen in December 1997 to only two in June 1998 and from twenty detections in December 1997 to none in June 1998 for the lower aquifer. Therefore, it appears that the previously-used tubing was primarily responsible for the phenol detections during the previous sampling events.

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# 1.0 INTRODUCTION

## 1.1 PURPOSE AND ORGANIZATION OF TECHNICAL MEMORANDUM

This Technical Memorandum summarizes the June 1998 groundwater monitoring activities at the American Chemical Services (ACS) National Priorities List (NPL) Site in Griffith, Indiana. Presented within the following sections of this report are:

- Section 1 Objectives and scope of the groundwater monitoring activities
- Section 2 Field data collection activities
- Section 3 Evaluation of the June 1998 sampling data
- Section 4 Summary and Conclusions

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 U.S. EPA approved Groundwater Monitoring Plan, this Technical Memorandum compares the June 1998 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 A.

## 1.2 OBJECTIVES AND SCOPE OF JUNE 1998 SAMPLING

The scope and objectives of this long-term Groundwater Monitoring Plan are detailed in Section 4 of the September 1997 Technical Memorandum. In accordance with the September 1997 Plan, groundwater sampling will be conducted semi-annually at the wells in the monitoring network. One semi-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 June 1998 sampling event was for full TCL and TAL analyses. The following objectives have been developed for the Groundwater Monitoring Plan at the ACS NPL Site.

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

2.) 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).

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

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

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

6.) 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.

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

8.) Assess progress toward attaining cleanup objectives in contaminated areas.

# 2.0 FIELD DATA COLLECTION ACTIVITIES JUNE 1998

The annual full scan sampling and analysis of the groundwater monitoring network was conducted from June 1 through June 10, 1998 at the American Chemical NPL Site. The 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 June 1998 groundwater monitoring event consisted of the following activities:

- Measurement of water levels in upper and lower aquifer wells, piezometers and staff gauges on June 1, 1998.

- Collection of groundwater samples from 24 monitoring wells screened in the upper aquifer and 23 monitoring wells screened in the lower aquifer from June 2 through June 10, 1998 and associated analysis for TCL and TAL parameters.

## 2.1 WATER LEVELS

Water level measurements were collected at upper and lower aquifer wells, piezometers and surface water staff gauges on June 1, 1998. The water level measurements are utilized to determine groundwater flow directions in the upper and lower aquifers and vertical gradients both within and between the aquifers. Table 1 contains water level measurements, map coordinates (reference points), top of inside well casing elevations, and calculated groundwater elevations for the measurement points.

## 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 from June 2 through June 10, 1998. Samples were sent overnight under chain-of-custody to Quanterra Environmental Services Laboratory where they were analyzed for TCL and TAL parameters. Table 2 presents the upper aquifer wells that were sampled and Table 3 presents the lower aquifer wells that were sampled in June 1998. The tables contain the area of groundwater contamination in which the well is located (upper aquifer) or well screen depth (lower aquifer), well identification, location with respect to area of groundwater contamination, and analyses completed 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 for pH, specific conductivity, temperature, and turbidity were measured and recorded during well purging activities. Table 4 presents a summary of the field parameter results.

# 3.0 EVALUATION OF JUNE 1998 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 were also calculated within the lower aquifer. 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 flow directions in the upper and lower aquifers and the calculated gradients.

Vertical gradients were calculated for both the upper and lower aquifers using water level measurement data from adjacent wells and piezometers screened at different depths within 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. Due to the fact that the water table maps are based on water levels collected at 12 staff gauges, 28 wells, and more than 100 piezometers, very little interpolation was required to develop detailed contour plots. All water table maps developed for the ACS 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 recharge to discharge areas.

As indicated in the December 1997 Groundwater Monitoring Report, the barrier wall has affected the groundwater flow by preventing groundwater flow directly to the west from Colfax Avenue. The natural regional groundwater flow is diverted north/northwest around the north end of the barrier wall and to the south/southeast.

### 3.1.2 Vertical Gradients in the Upper Aquifer

Table 5 shows the upper aquifer vertical gradient calculations based on the June 1998 water level measurements. The past quarters of water level measurements are summarized below:

| Piezometer Nest | August 1996 | November 1996 | March 1997 | June 1997 | September 1997 | December 1997 | June 1998 |
|---|---|---|---|---|---|---|---|
| **P64/P65** | 0.009 | 0.000 | 0.016 | -0.062 | 0.022 | 0.016 | 0.020 |
| **P66/P67** | 0.005 | 0.005 | -0.003 | 0.013 | 0.007 | 0.002 | 0.005 |
| **P68/P69** | 0.000 | 0.000 | 0.010 | 0.002 | 0.003 | 0.007 | 0.003 |
| **P70/P71** | -0.020 | 0.006 | 0.030 | 0.042 | 0.035 | 0.037 | 0.023 |

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 screen midpoints.

From these accumulated data, it is apparent that the vertical gradients are generally upward, which is the typical occurrence in a wetland area where groundwater discharges to the surface.

### 3.1.3 Groundwater Flow in the Lower Aquifer

The lower aquifer groundwater elevations calculated in Table 1 are plotted next to the corresponding well or piezometer on Figure 3. The potentiometric plot of the lower aquifer was created using the elevations from the uppermost well at each nest location. The groundwater flow in the lower aquifer is essentially northward, consistent with historical groundwater data. The horizontal hydraulic gradient in the lower aquifer was calculated using the measured difference in head between MW22, located south of the Site, and MW10, located at the northern Site boundary. This difference, 1.21 feet on June 1, 1998, 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 0.00042. As illustrated in the following table, the June 1, 1998 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 |
| Groundwater Monitoring Report | (December 1997) | 0.00039 |
| June 1998 Groundwater Monitoring Report | | 0.00042 |

These accumulated data show a relatively low horizontal hydraulic gradient in the lower aquifer. 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 are 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 are the uppermost portion, the upper portion, the middle and the lower portion

The water levels recorded for each of these wells are found 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 these calculated vertical gradients. Vertical gradients in the lower aquifer have been similarly calculated for each of the past seven quarters between the top and bottom of the lower aquifer.

| Well/Piezo Nest | August 1996 | November 1996 | March 1997 | June 1997 | September 1997 | December 1997 | June 1998 |
|---|---|---|---|---|---|---|---|
| MW7/MW36 | NM | 0.0004 | -0.0006 | -0.0010 | NM | -0.0005 | -0.0010 |
| MW8/MW32 | 0.0002 | 0.0002 | NM | NM | NA | NM | NM |
| MW9R/MW34 | -0.0002 | -0.0002 | 0.0005 | NM | NM | NM | NM |
| MW51/MW33 | NA | -0.0004 | NM | NM | NM | -0.0040 | -0.0076 |
| MW28/PZ43 | -0.0006 | 0.0028 | NM | NM | NM | NM | 0.0021 |
| MW52/MW53 | NA | NA | -0.0008 | -0.0004 | -0.0004 | -0.0008 | -0.001 |
| MW54R/MW55 | NA | NA | 0.0008 | NM | NM | -0.0012 | NM |

Note
NM = Indicates that the vertical gradient was not measurable.
NA = A water level necessary for the calculation was not available.

The majority of the calculated vertical gradients across the lower aquifer indicate a downward gradient. However, the accumulated data between August 1996 and June 1998 indicate that there are few consistent vertical gradients within the lower aquifer. Over the past five sampling events, the only consistent vertical gradients are observed at well nests MW7/MW36 and MW52/MW53.

### 3.1.5 Vertical Gradient Between Upper and Lower Aquifer

Groundwater elevations from upper and lower aquifer monitoring points were utilized to calculate the vertical hydraulic gradient between the two aquifers at four locations (Table 7). The results imply strong and variable downward gradients. However, the variability is primarily due to the variability of the thickness of the clay confining layer between the two aquifers. The average groundwater elevations in the upper and lower aquifers are approximately 632 and 621 feet above mean sea level (amsl), respectively. The confining clay layer between the upper and lower aquifer varies in thickness from greater than 30 feet in the south to less than 5 feet in the wetland to the northwest (MW10C area). The calculated downward gradients show a high degree of variability which is due to the variable thickness of the clay confining layer rather than the difference in head between the upper to lower aquifer. Vertical gradients 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 variability of the calculated gradient, all calculated gradients were downward from the upper to the lower aquifer.

## 3.2 MONITORING WELL SAMPLE DATA

Groundwater samples 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. Validated 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 June 1998 quarterly sampling were evaluated for evidence of

contaminant migration, changes in contaminant concentrations over time in response to remedial actions, and the presence of contaminants in the lower aquifer. Time trend plots are presented in Appendix B. Section 3.2 is organized into discussions of the organic analyses in the upper aquifer (3.2.1), the organic analyses in the lower aquifer (3.2.2) and the inorganic analyses in both aquifers (3.2.3).

### 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 June 1998 sampling event. Figure 4 presents the VOCs detected in the upper aquifer monitoring wells. Monitoring wells with no VOC detections are not included in the table.

The areas of groundwater concern in the upper aquifer consist of the ACS Site and surrounding areas to the north and southeast. 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 serves to contain the source and prevent contaminated groundwater movement to the surrounding areas. Because the source is contained, the groundwater monitoring focuses on the surrounding areas not confined by the barrier wall. The surrounding areas are: 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 organized based on the upper aquifer's flow patterns

#### *3.2.1.1 VOCs*

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 low concentrations. Table 8 summarizes the TCL organic compounds detected in the upper aquifer.

**North Area.** The North Area is monitored through a series of groundwater wells located hydraulically upgradient of the North Area, within the North Area, at the edge (side gradient) 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) | Side Gradient (north of Site) | Downgradient (north of Site) |
|---|---|---|---|
| MW11 | MW13 | MW39 | MW37 |
| MW12 | MW48 | | MW38 |
| MW40 | MW49 | | |

VOCs detected in the North Area in June 1998 samples were below the maximum concentrations recorded in the baseline sampling. As with previous sampling events, VOCs were either not detected or detected at relatively low concentrations in the

upgradient, edge, and downgradient North Area wells. VOCs were detected in the groundwater in the upgradient, edge, and downgradient wells MW12, MW39, and MW37, respectively. Chloromethane was detected at downgradient well MW37 at an estimated concentration of 2.0 µg/L, which is below the sample quantitation 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 concentrations within the range of previous detections. Time trend analysis of these compounds may be found in Appendix B. The VOC concentrations in June 1998 do not exceed maximum baseline concentrations

As shown in the following table, chloroethane and benzene concentrations at MW13 have increased slightly since December 1997, but are below the range of detected concentrations prior to remedial measures. MW13 is located in the wetland area on the west side of the Site and is downgradient of interior wells MW48 and MW49 in which the highest chloroethane and benzene concentrations have historically been detected in the North Area. In addition, 1,2-dichloroethene (total) was detected at MW48 at 8.8 µg/L (/J) and at MW49 at 6.0 µg/L (J/), which are both below the SQLs.

**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 | |
| June 1998 | 82 J | µg/L | 2.0 J | µg/L |

Note
J qualifier indicates concentration is estimated.

**South Area** The South Area is monitored by an array of groundwater wells located hydraulically upgradient of the South Area, within the South Area, at the edge (side gradient) 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) | Side Gradient (south/southeast of Site) | Downgradient (southeast of Site) |
|---|---|---|---|
| MW18 | MW6 | MW41 | MW15 |
| | MW45 | MW44 | MW42 |
| | MW19 | MW47 | MW43 |

No detected VOCs exceeded baseline concentrations in the South Area. Of the monitoring wells located upgradient, at the edge, and downgradient in the South Area, edge well MW19 was the only location at which VOCs were detected in groundwater samples. Chloroethane was detected below baseline concentrations at MW19.

As shown in the following tables, the concentrations of benzene and chloroethane detected at interior well MW6 have fluctuated dramatically over time. The likely explanation for this fluctuation is that the installation of the barrier wall and the City of Griffith UST excavation, both near MW6, modified the natural groundwater flow pathways in the area, causing fluctuations in groundwater contaminant transport. Modification of the groundwater flow path is apparent in comparing Figure 1 (November 1996, before the barrier wall installation and UST excavation) and Figure 2 (June 1998, after those events). It appears that a low gradient now exists near MW6, causing a stagnation of the groundwater. The concentrations in MW6, therefore, can be expected to continue to fluctuate in future sampling events.

**Monitoring Well MW6 (Upper Aquifer)**

| Sampling Date | Chloroethane | Benzene |
|---|---|---|
| November 1996 | 720 µg/L | 320 µg/L |
| March 1997 | 67 µg/L | 35 µg/L |
| June 1997 | 140 µg/L | 39 µg/L |
| September 1997 | 140 µg/L | 140 µg/L |
| December 1997 | 550 J µg/L | 1,900 µg/L |
| June 1998 | 350 J µg/L | 72 J µg/L |

Note
J qualifier indicates concentration is estimated.

Conversely, the concentrations of benzene in MW45, interior to the South Area of contamination, but relatively far away from the barrier wall and UST excavation, have remained or slowly decreased. A slow decrease in benzene concentrations over time is to be expected, as the benzene naturally attenuates in this area. The natural attenuation study now underway at the Site will provide data to confirm the natural degradation of benzene in this area.

**Monitoring Well MW45 (Upper Aquifer)**

| Sampling Date | Benzene | | Chloroethane | |
|---|---|---|---|---|
| August 1996 | 530 | µg/L | 82 J | µg/L |
| March 1997 | 1,045 | µg/L | 215 | µg/L |
| June 1997 | 940 | µg/L | 120 | µg/L |
| September 1997 | 860 | µg/L | 120 | µg/L |
| December 1997 | 670 | µg/L | 130 J | µg/L |
| June 1998 | 670 J | µg/L | 120 J | µg/L |

Note
J qualifier indicates concentration is estimated.
ND indicates compound was not detected

**Griffith Landfill.** The Griffith Landfill covers the area to the southwest of the Off-Site Containment Area of the Site. Four upper aquifer wells were sampled within the landfill area: Griffith Landfill wells M-1S, M-3S, and M-4S and monitoring well MW15. Chloromethane was detected in the sample collected at M-3S, which is located along the eastern boundary of the landfill, at an estimated concentration of 5.0 µg/L (J/). As noted in the discussion of the South Area, VOCs were not detected in monitoring well MW15, located just within the estimated landfill boundary.

Chloromethane was the only VOC detected in the sample collected at landfill well M-4S, located within the east Griffith Landfill area just west of the groundwater containment barrier wall, at a concentration of 960 µg/L (J/J). Chloromethane has not been historically detected at landfill well M-4S and its' detection is likely a reflection of the change in groundwater flow direction as a result of the barrier wall. This detected concentration exceeded the baseline maximum concentration of 100 µg/L established at M-4S. This was the only Griffith Landfill sample location to detect a VOC that exceeded a baseline maximum concentration for the upper aquifer during the June 1998 sampling event. Two historically detected compounds, chloroethane and benzene, were not detected in the sample from M-4S during the June 1998 sampling event. The non-detection of chloroethane and benzene at M-4S is a strong indication that the barrier wall is working to contain the groundwater contaminant source. The increase in chloromethane at M-4S is likely due to an increase in methane gas trapped beneath the recently-capped Town of Griffith Landfill, thereby decreasing the amount of off-gassing.

### *3.2.1.2 SVOCs*

The SVOC concentrations reported for the June 1998 groundwater monitoring activities were generally consistent with historical concentrations. SVOC compounds detected in groundwater samples collected from the upper aquifer monitoring wells included bis(2-chloroethyl) ether, 1,2-dichlorobenzene, 1,4-dichlorobenzene, 2,2'-oxybis(1-chloropropane), isophorone, naphthalene, 2-methylnaphthalene, diethylphthalate, and di-n-butylphthalate. Phenol and bis(2-ethylhexyl)phthalate were also detected, but appear to be related to tubing used for sampling, or laboratory artifacts. Table 8 summarizes the TCL organic compounds detected in the upper aquifer.

**Monitoring Well M-4S (Upper Aquifer)**

| Sampling Date | Chloroethane | | Benzene | |
|---|---|---|---|---|
| March 1997 | 1,300 | µg/L | 98 | µg/L |
| June 1997 | 1,300 | µg/L | 190 | µg/L |
| September 1997 | 1,000 | µg/L | 73 J | µg/L |
| December 1997 | 1,200 J | µg/L | 75 J | µg/L |
| June 1998 | ND | | ND | |

Note
J qualifier indicates concentration is estimated.
ND indicates compound was not detected

**June 1998 Phenol Results**

The phenol detections in the upper aquifer were reduced from eighteen in December 1997 to only two in June 1998 and in the lower aquifer were reduced from twenty detections in December 1997 to none in June 1998. Samples from MW45 and MW48 were the only ones that contained phenols from the June 1998 sampling event. Phenols have not been consistently detected in these two wells previously. Furthermore, phenol was detected in laboratory blanks associated with these two groundwater samples. These results further confirm that the PVC tubing was the source of phenols during the previous sampling events. Future sampling will be conducted with Teflon tubing to minimize detections of phenol. On the basis of the confirmation that phenols are not characteristic contaminants for the ACS Site, we request that phenols be eliminated as indicator compounds in the Long-term Groundwater Monitoring Plan.

**June 1998 Phthalate Results**

Bis(2-ethylhexyl)phthalate was detected in 8 of the 45 samples collected in June 1998. There does not appear to have been a significant change in phthalate detections in correlation to the change in sampling tubing. Table 3 lists the concentration of all bis(2-ethylhexyl) phthalate detections in the June 1998 samples. It also contains the previous phthalate detections for each of these wells.

Although phthalates are detected in several samples collected during each sampling round, the occurrences appear to be random with no discernable correlation between sampling locations or between concentrations from one sampling event to the next. The detection of phthalates is not consistent with a pattern that would occur if phthalates were Site contaminants. The phthalate detections in the ACS samples are random, a pattern that is characteristic of laboratory contamination. Since phthalates are documented to be common laboratory contaminants, it is reasonable to conclude that they are not characteristic of ACS groundwater impacts, and therefore it is reasonable to eliminate them from the list of indicator parameters for the Long-term Groundwater Monitoring Plan.

As shown in the following tables, groundwater samples collected at well M-4S, located within the Griffith Landfill area just west of the barrier wall, exceeded the baseline concentration for bis(2-chloroethyl)ether of 71 µg/L, but not significantly. However, the

bis(2-chloroethyl)ether concentration decreased between December 1997 and June 1998 sampling events in MW6 samples.

**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 |
| June 1998 | 85 D | µg/L |

Note
D qualifier indicates that the compound was identified in an analysis at a secondary dilution factor.
ND indicates compound was 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 |
| June 1998 | ND | |

ND indicates compound was not detected

Also, bis(2-ethylhexyl)phthalate was detected at a concentration of 36 µg/L in the groundwater sample from MW6, exceeding the baseline concentration of 20 µg/L.

#### *3.2.1.3 Pesticides and PCBs*

Neither Pesticides nor PCBs were detected in upper aquifer groundwater samples collected during the June 1998 quarterly sampling activities. As noted in the previous sampling reports, there are occasional low levels of pesticide and PCB detected occasionally in samples. However, pesticides and PCBs do not appear to be characteristic contaminants at the site.

#### *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 or more monitoring wells in the June 1998 sampling results. Ethyl ether was detected at estimated concentration of 640 µg/L (JN/) and 1,400 µg/L (JN/) in samples from monitoring wells MW49 and MW6, respectively. 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 June 1998 sampling event.

### *3.2.2.1 VOCs*

Figure 5 summarizes the VOC detections in groundwater samples collected from lower aquifer monitoring wells. Chloromethane was detected in a groundwater sample collected from monitoring well MW32 at a concentration of 16 µg/L, above the baseline maximum concentration level of 10 µg/L which is the SQL for chloromethane. This is the only detected VOC above baseline maximum concentration levels for the Lower Aquifer. It is too soon to conclude that the one-time detection of chloromethane at MW32 is significant. Future sampling events will indicate if any trends or significant patterns develop.

Benzene was detected in MW9R at a concentration of 110 µg/L, which is below baseline maximum concentrations. The following tabulation shows the concentration of benzene has increased, stabilized in MW9, and decreased when monitoring began at MW9R.

| MW9 VOC | Jan 1991 | Jan 1995 | Nov 1996 | Mar 1997 | Jun 1997 | Sept 1997 | Dec 1997 | June* 1998 |
|---|---|---|---|---|---|---|---|---|
| Benzene µg/L | <5 | 40 | 310 | 310 | 280 | 290 | 260 | 110 |

*sample collected from replacement well MW9R

Other VOCs detected in samples collected from lower aquifer monitoring wells include chloroethane, 4-methyl-2-pentanone, 1,2-dichloroethane, chloromethane, 1,2-dichloroethene (total), and toluene. With the exception of chloromethane in the sample from MW32, these compounds were detected below baseline maximum concentration levels.

### *3.2.2.2 SVOCs*

Bis(2-ethylhexyl)phthalate was detected in groundwater samples collected from monitoring well MW29 at a concentration of 49 µg/L, which is above the maximum baseline concentration level of 27 µg/L. Bis(2-ethylhexyl)phthalate has been detected previously at MW29 during some events, and has been absent during other events. Bis (2-ethylhexyl) phthalate is a suspected laboratory contaminant. No other SVOC detection in samples collected from lower aquifer monitoring wells exceeded baseline maximum concentrations.

Bis(2-chloroethyl)ether was detected in the lower aquifer in monitoring well MW9R at a concentration of 15 µg/L. This is consistent with previous bis(2-chloroethyl)ether analytical results for monitoring well MW9/MW9R. Bis(2-chloroethyl)ether was not detected in any other lower aquifer monitoring well.

Similar to the upper aquifer sampling results, phenol was not detected in any of the 23 lower aquifer monitoring wells sampled during the June 1998 event as compared to 20 detections during the December 1997 sampling event. Based on these results, it appears that the previously used tubing was primarily responsible for the phenol detections during the previous sampling events.

One other SVOC compound, diethylphthalate, was detected in groundwater samples collected from lower aquifer monitoring wells MW21, MW32, and MW51. This compound has not been consistently detected in these, or any other wells in the past. The detection of this compound was below the maximum baseline concentration.

#### *3.2.2.3 Pesticides and PCBs*

Pesticides or PCBs were not detected in lower aquifer groundwater samples collected during the June 1998 quarterly sampling activities. As noted in the previous groundwater sampling reports, pesticide and PCB detections have been low and scattered throughout historical groundwater results at the Site.

#### *3.2.2.4 Tentatively Identified Compounds (TICS)*

Tentatively identified compounds (TICS) were detected in several lower aquifer monitoring wells. Three TICs were reported in two or more lower aquifer monitoring wells during the June 1998 sampling results. 1,4-Dioxane, 2-methyl-2-propanol, and diethyl ether were detected at maximum concentrations of 31 µg/L (J/ ) at MW53, 37 µg/L (J/) at MW53, and 20 µg/L (J/) at MW23, respectively in the lower aquifer. 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 June 1998 inorganic results are compiled in Appendix A along with the maximum baseline concentrations. Table 10 has been generated to provide a single page summary of the wells and inorganic species that had baseline exceedances during the June 1998 sampling event. Approximately half of the monitoring wells, 27 out of 46, had at least one inorganic exceedance of a baseline value, and sixty percent of the inorganic species, 15 out of 24, exceeded a baseline maximum in at least one well. (There were no exceedances above baseline of antimony, arsenic, beryllium, cadmium, total cyanide, mercury, selenium, silver, and thallium so these are not included on Table 10.)

A total of 1,104 inorganic analyses were performed for the June 1998 groundwater sampling event (24 species at 46 wells). Of these, 54 detections (about 5%) exceeded the maximum concentration recorded during the four quarters of baseline sampling. Many of these occurrences are not statistically significant. A challenge at the beginning of the long-term monitoring program is in determining the demarcation between significance and non-significance, and then to highlight potentially significant results so that they 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) experience shows that 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 variable in the June results. Some baseline inorganic values were exceeded by a fraction of a percent (calcium in MW36 and magnesium in MW38) and others by more than 500 percent (cobalt in MW22 and zinc in MW06). There was also a wide range in total number of exceedances in individual wells. Groundwater samples from 19 of the 46 sample wells had no exceedances at all, while a sample from one monitoring well (MW22) showed exceedances of 10 out of the 24 inorganic species. For this the second long-term monitoring event after completion of the baseline sampling, statistical significance will be defined on the basis of recurrence, magnitude and frequency of exceedance.

**Recurrence (R):** An exceedance is considered potentially significant if it reoccurs consistently over several monitoring events.

**Frequency (F):** 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 (M):** An exceedance is considered potentially significant if the June 1998 result is at least twice the concentration of the baseline maximum for the given specie at the given well.

The June 1998 inorganic sampling results of nine monitoring wells meet these relatively arbitrary definitions of potential statistical significance. They include upper aquifer wells M-1S, M-4S, MW06, MW41, MW45, and MW46 and lower aquifer wells MW22, MW29, and MW34. The following summarizes the occurrences at each of these wells. See Table 10 for additional details.

<u>Upper Aquifer Monitoring Wells</u>

M-1S R: this is the second time *Fe* exceeds the baseline maximum
F: N/A
M: *Zn* exceedance greater than twice the baseline maximum

M-4S R: N/A
F: N/A
M: *Zn* exceedance greater than twice the baseline maximum

MW06 R: N/A
F: N/A

M: *Zn* exceedance greater than twice the baseline maximum

MW41 R: N/A
F: N/A
M: *K* exceedance greater than twice the baseline maximum

MW45 R: N/A
F: N/A
M: *Zn* exceedance greater than twice the baseline maximum.

MW46 R: N/A
F: N/A
M: *Al and Zn* exceedances greater than twice the baseline maximum.

Lower Aquifer Monitoring Wells

MW22 R: N/A
F: there are 8 baseline exceedances
M: *Cr, Co, Fe, Pb, Mn, Ni, V, and Zn* exceedances are greater than twice the baseline maximum

MW29 R: N/A
F: N/A
M: *Zn* exceedance greater than twice the baseline maximum

MW34 R: N/A
F: N/A
M: *Ni* and *Zn* exceedances greater than twice the baseline maximum

### *3.2.3.2 Relevance to Monitoring Objectives*

December 1997 sampling results indicated 9 wells showed potential statistical significance: M-1S, M-4D, MW11, MW13, MW15, MW23, MW42, MW44, and MW47. Results from the June 1998 sampling event, also indicate 9 wells showed potential statistical significance: M-1S, M-4S, MW06, MW22, MW29, MW34, MW41, MW45, and MW46. Of the 18 wells showing potential statistical significance between the two sampling events only one well (M-1S) was repeated both times. This clearly shows that baseline inorganic exceedances are in fact random occurrences and are unrelated to the site.

The recurrence of potential statistical significance in landfill well M-1S and the inorganic exceedance of potential statistical significance in landfill well M-4S during the June 1998 sampling event may be the result of the Town of Griffith recently capping the landfill. Capping the Town of Griffith Landfill has decreased the amount of infiltration to groundwater below the landfill thereby decreasing the amount of dilution and potentially increasing the concentration of inorganics in the groundwater. The remaining seven monitoring wells showing potential statistical significance for June 1998 do not appear to have commonalties that might explain their baseline inorganic exceedances of potential statistical significance. All wells had low turbidities (10 NTUs or less), 4 wells were in the

upper aquifer and 3 wells were in the lower aquifer, and of the 4 upper aquifer wells, two are interior wells and two are edge wells. This lack of commonality further supports the position that baseline inorganic exceedances are random statistical scatter.

## 3.3 PRIVATE WELL SAMPLING

Private wells were not sampled as part of the June 1998 groundwater sampling event. Private wells are scheduled to be sampled as part of the September 1998 groundwater sampling event.

## 3.4 GROUNDWATER TREATMENT SYSTEM SAMPLES

One untreated groundwater treatment system influent sample and one effluent sample were collected on August 19, 1998. Samples were sent overnight under chain-of-custody to Quanterra Environmental Services Laboratory where they were analyzed for TCL and TAL parameters. The results from the influent and effluent samples are summarized in Table 11. All compounds and analytes detected in the effluent sample were below permitted effluent discharge standards.

## 3.5. NATURAL ATTENUATION SAMPLES

Montgomery Watson proposed a scope of work to conduct a two-phased field investigation in order to demonstrate that monitored natural attenuation is the appropriate approach for addressing the contamination in the off-Site plumes at the ACS Site. The results of the field investigation will be evaluated for the following:

1. temporal and spatial trends of contaminant degradation;
2. temporal and spatial trends in daughter product and metabolic by-product concentrations,
3. the distribution and availability of electron acceptors such as oxygen, nitrate, and sulfate necessary for degradation to occur; and
4. other factors such as the physical and chemical composition of the subsurface that may limit degradation.

The baseline phase of the natural attenuation study consisted of analyzing data from both soil and groundwater samples taken at the ACS Site. Montgomery Watson collected eight soil samples on January 27, 1998 to fulfill this portion of the investigation. Soil samples were collected from the middle of the aquifer at three locations for each plume downgradient of the plume, within the plume, and at the edge of the plume. The soil samples were analyzed for total organic carbon (TOC), nitrite, nitrate, pH, sulfate, total kjeldahl nitrogen (TKN), ammonia-nitrogen, ortho-phosphate, soil moisture holding capacity, percent air-filled pore space, and comparative enumeration assays for aerobic total heterotrophs, aerobic hydrocarbon degraders, and acridine orange direct counts.

Groundwater wells located upgradient of the plume, within the plume, at the edge of the plume, and downgradient of the plume for each of the off-Site plumes were sampled for evaluation of natural attenuation beginning in June 1997. This evaluation was originally scheduled to continue for four consecutive quarters prior to preliminary evaluation of the data. At this point however, 5 quarters of biological groundwater data have now been collected. Monitoring wells included in this sampling are MW40, MW48, MW39, MW38, MW18, MW45, MW19, and MW41. The additional groundwater parameters of TOC, biochemical oxygen demand (BOD), nitrate-nitrogen, nitrite-nitrogen, sulfate, TKN, ammonia-nitrogen, and ortho-phosphate have been collected as part of the last 5 routine quarterly groundwater sampling events. The biological analytical parameters for the June 1998 sampling event have been summarized in Table 12. In addition, field measurements of oxidation/reduction potential, temperature, pH, and dissolved oxygen were recorded during each sampling event and are summarized in Table 13. A separate analysis and preliminary report on this data will be prepared and submitted under separate cover.

# 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 quarterly monitoring events. Groundwater flow within the upper aquifer, in general, is from the east and is diverted by the Barrier Wall toward the north/northwest and south/southwest, around the ACS Site. 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; vertical gradients between the upper and lower aquifers were also downward. There were no significant changes or deviations from the baseline groundwater flow system.

## 4.2 SUMMARY OF MONITORING WELL SAMPLE DATA

VOCs were detected in both the upper and lower aquifers. VOCs in the upper aquifer exceeded baseline concentrations for only one well, M4S, which is a Town of Griffith landfill well. No VOCs exceeded baseline concentrations within the lower aquifer.

SVOCs were detected in both the upper and lower aquifer groundwater samples. Three wells, 2 in the upper aquifer and 1 in the lower aquifer, exceeded baseline concentrations for SVOCs. Phenol was detected in two upper aquifer wells and no lower aquifer wells, as compared to 18 upper and 20 lower aquifer detections in December 1997, respectively. It appears that the previously-used tubing was primarily responsible for the phenol detections during the previous sampling events.

Pesticides and PCBs were not detected in any upper or lower aquifer groundwater samples.

Samples from nine monitoring wells showed potential statistical significance for inorganic analytes: M-1S, M-4S, MW06, MW22, MW29, MW34, MW41, MW45, and MW46. However, the actual significance of these sample analyses is questionable.

One TIC was reported in two or more monitoring wells in the upper aquifer, while three TICs were reported in two or more lower aquifer monitoring wells during the June 1998 sampling results.

## 4.3 NATURAL ATTENUATION

Additional field and groundwater parameters were recorded and analyzed for the eight upper aquifer monitoring wells included in the natural attenuation study during the June 1998 sampling event.

## 4.4 CONCLUSIONS

The following conclusions can be drawn regarding the objectives of the Groundwater Monitoring Plan.

Objective 1 is to collect water level data to monitor groundwater flow in the upper and lower aquifers and calculate the hydraulic gradients between the aquifers. 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 June 1998 sampling event are consistent with the historic conditions for both the upper and lower aquifers.

Objective 2 is to collect water level data to document the performance of the PGCS and BWES and to evaluate changes in the groundwater flow system resulting from the remedial actions. Water level data was 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 P59 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.

Objective 3 is to collect and analyze samples of the untreated groundwater to provide characterization of the water quality inside the Barrier Wall. A sample of the untreated groundwater to provide characterization of the water quality inside the barrier wall was collected from treatment plant influent as part of the June 1998 sampling event.

Objective 4 is to collect and analyze samples of treated water to document compliance with the effluent standards. One effluent sample from the treatment plant was collected as part of the June 1998 sampling event to document compliance with the effluent standards. All compounds and analytes detected in the effluent sample were below permitted effluent discharge standards.

Objective 5 is to collect and analyze groundwater samples from upgradient monitoring wells in the upper and lower aquifer to document background groundwater quality.

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

Objective 6 is to collect and analyze groundwater samples from the monitoring wells at the downgradient boundaries of the site to monitor the status of the boundaries of groundwater impacts. Groundwater samples were collected from monitoring wells downgradient of the Site boundaries to closely monitor the status of the boundaries of groundwater impacts. Analytical results from samples from the downgradient wells indicate no exceedances of baseline concentrations for VOCs and SVOCs. Inorganic baseline exceedances are attributed to statistical scatter in 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.

Objective 7 is to collect and analyze groundwater samples from the interior of the areas of contaminated groundwater to document how concentrations change with time and in response to the remedial actions. Sample analytical results from inside the contaminated areas indicate one exceedance of baseline concentrations for chloromethane in MW32. It is too soon to conclude that the one-time detection of chloromethane at MW32 is significant. Sample analytical results indicate one exceedance of baseline concentrations for SVOCs in an upper aquifer well and one exceedance in a lower aquifer well. MW06 and MW29 both detected bis(2-ethylhexyl)phthalate above baseline concentrations. Inorganic baseline exceedances are attributed to statistical scatter and natural attenuation in upper and lower aquifer wells and the change in groundwater flow due to the barrier wall in the upper aquifer.

Objective 8 is to assess progress toward attaining cleanup objectives in contaminated areas. It is yet too early to conclude that there is progress toward attaining cleanup objectives in contaminated areas.

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# Table 1
## Groundwater Elevations - June 1998
## American Chemical Service, Inc. NPL Site

### Lower Aquifer Wells

| Well | Reference Points | | | 6/1/98 | | |
|---|---|---|---|---|---|---|
| Designation | East | North | TOIC | Depth | Elevation | Notes |
| MW-7 | 6113 | 6732 | 641.46 | 18.86 | 622.60 | |
| MW36 | 6164 | 6768 | 637.85 | 15.24 | 622.61 | |
| MW-8 | 5934 | 7506 | 640.43 | 18.19 | 622.24 | |
| MW31 | 5907 | 7505 | 641.64 | 19.39 | 622.25 | |
| MW32 | 5902 | 7507 | 641.84 | 19.59 | 622.25 | |
| MW-9R | 4893 | 6990 | 639.05 | 16.54 | 622.51 | |
| MW29 | 4886 | 7012 | 638.06 | 15.40 | 622.66 | |
| MW34 | 4880 | 7002 | 638.14 | 15.46 | 622.68 | |
| MW-10 | 5200 | 7784 | 635.49 | 13.28 | 622.21 | |
| MW30 | 5194 | 7774 | 634.25 | 12.14 | 622.11 | |
| MW33 | 5189 | 7774 | 634.13 | 12.02 | 622.11 | |
| MW51 | 5198 | 7767 | 634.16 | 12.08 | 622.08 | |
| MW-10C | 5229 | 7554 | 637.45 | 15.02 | 622.43 | |
| MW-21 | 4546 | 7067 | 633.76 | 11.14 | 622.62 | |
| MW-22 | 5208 | 4898 | 636.48 | 13.06 | 623.42 | |
| MW-23 | 4717 | 7404 | 633.31 | 10.78 | 622.53 | |
| MW-24 | 4596 | 8033 | 635.22 | 13.10 | 622.12 | |
| MW28 | 5657 | 5696 | 648.77 | 25.58 | 623.19 | |
| MW50 | 5269 | 5383 | 649.43 | 26.22 | 623.21 | |
| ATMW-4D | 5297 | 7311 | 637.99 | 8.98 | 629.01 | |
| W-2 | 5292 | 7307 | 638.46 | 8.29 | 630.17 | |
| M-1D | 4359 | 5747 | 638.32 | 15.24 | 623.08 | Griffith Landfill Well |
| M-2D | 3997 | 6495 | 637.11 | NM | NM | Landfill Well - Lock wouldn't open |
| M-3D | 4144 | 6821 | 632.19 | 9.45 | 622.74 | Griffith Landfill Well |
| M-4D | 4949 | 6538 | 633.32 | 10.62 | 622.70 | Griffith Landfill Well |
| M-5D | 4171 | 7094 | 634.18 | 11.51 | 622.67 | Griffith Landfill Well |
| MW52 | 4996 | 7814 | 632.74 | 10.50 | 622.24 | |
| MW53 | 4977 | 7833 | 632.87 | 10.68 | 622.19 | |
| MW54R | 5590 | 7592 | 636.05 | 15.11 | 620.94 | |
| MW55 | 5595 | 7604 | 636.63 | NM | NM | Lock wouldn't oper |

### Lower Aquifer Piezometers

| | Reference Points | | | 6/1/98 | | |
|---|---|---|---|---|---|---|
| Well Designation | East | North | TOIC | Depth | Elevation | Notes |
| PZ44 | 6170 | 6766 | 638.47 | 15.87 | 622.60 | |
| PZ42 | 5662 | 5696 | 648.44 | 25.26 | 623.18 | |
| PZ43 | 5662 | 5702 | 648.69 | 25.45 | 623.24 | |

JMS/JJN/ape

# Table 1
## Groundwater Elevations - June 1998
## American Chemical Service, Inc. NPL Site

### Upper Aquifer Wells

| Well Designation | Reference Points East | North | TOIC | 6/1/98 Depth | Elevation | Notes |
|---|---|---|---|---|---|---|
| MW-2 | 5033 | 6839 | 638.05 | 8.26 | 629.79 | |
| MW-3 | 5299 | 7314 | 636.62 | 7.51 | 629.11 | |
| MW-4 | 6112 | 7126 | 641.05 | 6.21 | 634.84 | |
| MW-5 | 5788 | 6482 | 642.13 | 6.69 | 635.44 | |
| MW-6 | 5298 | 5520 | 655.28 | NM | NM | Lock wouldn't oper |
| MW-11 | 6377 | 7329 | 640.47 | 6.01 | 634.46 | |
| MW-12 | 6019 | 6352 | 642.74 | 7.24 | 635.50 | |
| MW-13 | 5050 | 7814 | 634.08 | 4.22 | 629.86 | |
| MW-14 | 4882 | 6995 | 638.56 | 9.54 | 629.02 | |
| MW-15 | 4721 | 5003 | 637.89 | 4.60 | 633.29 | |
| MW-17 | 5656 | 5677 | 647.14 | 12.40 | 634.74 | |
| MW-18 | 5836 | 5746 | 644.89 | NM | NM | Well not found, heavy underbrush |
| MW-19 | 5231 | 4943 | 635.78 | 2.80 | 632.98 | |
| MW-20 | 5095 | 5028 | 642.98 | 6.76 | 636.22 | |
| W-1 | 5305 | 7323 | 637.33 | 14.86 | 622.47 | |
| MW37 | 5395 | 7976 | 636.78 | 5.95 | 630.83 | |
| MW38 | 5903 | 8216 | 636.51 | 5.65 | 630.86 | |
| MW39 | 6253 | 7947 | 637.77 | 5.99 | 631.78 | |
| MW40 | 6349 | 6831 | 639.46 | 4.09 | 635.37 | |
| MW41 | 6242 | 4517 | 632.74 | 6.30 | 626.44 | |
| MW42 | 6264 | 3808 | 632.32 | 5.78 | 626.54 | |
| MW43 | 5880 | 3719 | 633.56 | 6.40 | 627.16 | |
| MW44 | 5390 | 4303 | 633.04 | 4.10 | 628.94 | |
| MW45 | 5830 | 4388 | 635.35 | 6.54 | 628.81 | |
| MW46 | 4526 | 7424 | 633.32 | NM | NM | Well inaccessible. Surrounded by several feet of water |
| MW47 | 5958 | 5084 | 640.54 | 6.84 | 633.70 | |
| MW48 | 5669 | 7814 | 636.36 | 5.40 | 630.96 | |
| MW49 | 5551 | 7650 | 637.00 | 5.96 | 631.04 | |

### Upper Aquifer Landfill Wells

| Well Designation | Reference Points East | North | TOIC | 6/1/98 Depth | Elevation | Notes |
|---|---|---|---|---|---|---|
| M-1S | 4362 | 5743 | 639.09 | 6.28 | 632.81 | |
| M-2S | 3999 | 6491 | 637.12 | 7.56 | 629.56 | |
| M-3S | 4142 | 6819 | 631.88 | 4.24 | 627.64 | |
| M-4S | 4953 | 6537 | 633.42 | 4.10 | 629.32 | |
| M-5S | 4170 | 7089 | 634.17 | 5.20 | 628.97 | |

JMS/JJN/ape

# Table 1
## Groundwater Elevations - June 1998
## American Chemical Service, Inc. NPL Site

### Staff Gauges

| Well Designation | Reference Points East | North | TOSG | 6/1/98 Depth | Elevation | Notes |
|---|---|---|---|---|---|---|
| SG-1 | 5023 | 6196 | 633.50 | NA | NA | Dry |
| SG-2 | 4423 | 6864 | 622.84 | NM | NM | Not found. Heavy underbrush |
| SG-3 | 4180 | 7123 | 631.17 | NM | NM | Not found. Heavy underbrush |
| SG-5 | 5464 | 7713 | 633.36 | NA | NA | Dry |
| SG-6 | 4495 | 8075 | 632.97 | NM | NM | Not found. Heavy underbrush |
| SG-7 | 5403 | 6889 | 637.01 | 2.19 | 634.82 | |
| SG-9 | 3846 | 6336 | 632.42 | NM | NM | Not found. Heavy underbrush |
| SG-10 | 6748 | 7238 | 637.29 | 2.50 | 634.79 | |
| SG-8R | 5409 | 5252 | 634.70 | NM | NM | Not found. Heavy underbrush |
| SG-11 | 5859 | 8245 | 634.62 | NA | NA | Dry |
| SG-12 | 5596 | 7867 | 634.12 | NA | NA | Dry |

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# Table 1
## Groundwater Elevations - June 1998
## American Chemical Service, Inc. NPL Site

### Piezometers

| Well Designation | Reference Points East | North | TOC | 6/1/98 Depth | Elevation | Notes |
|---|---|---|---|---|---|---|
| LW-1 | 4807 | 5070 | 644.57 | NM | NM | Not found. Heavy Underbrush |
| LW-2 | 4662 | 5465 | 649.70 | NM | NM | Not found. Heavy Underbrush |
| P-1 | 5696 | 6388 | 643.49 | 7.18 | 636.31 | |
| P-3 | 5453 | 6470 | 639.87 | 3.91 | 635.96 | |
| P-4 | 5432 | 6228 | 639.25 | NM | NM | Not measurable - destroyed |
| P-5 | 5285 | 6510 | 636.70 | 2.52 | 634.18 | |
| P-6 | 5150 | 6551 | 638.75 | NM | NM | Not measurable - destroyed |
| P-7 | 5950 | 6630 | 643.63 | 8.12 | 635.51 | |
| P-8 | 6156 | 6734 | 639.27 | 3.85 | 635.42 | |
| P-9 | 6134 | 6994 | 638.88 | 3.88 | 635.00 | |
| P-10 | 5413 | 5852 | 649.32 | NM | NM | Mislabeled |
| P-11 | 5199 | 5900 | 649.14 | 12.61 | 636.53 | |
| P-12 | 5076 | 5723 | 650.08 | NM | NM | Covered by spoilspile |
| P-13 | 4878 | 5735 | 651.20 | 16.69 | 634.51 | |
| P-14 | 5014 | 5914 | 645.33 | 11.20 | 634.13 | |
| P-15 | 5003 | 6187 | 639.93 | 8.06 | 631.87 | |
| P-16 | 4673 | 5749 | 648.80 | 13.60 | 635.20 | |
| P-17 | 4584 | 6006 | 654.64 | 20.35 | 634.29 | |
| P-18 | 4623 | 6224 | 649.84 | 6.53 | 643.31 | |
| P-20 | 5087 | 6212 | 641.13 | 6.08 | 635.05 | |
| P-22 | 4636 | 6732 | 634.30 | 7.10 | 627.20 | |
| P-23 | 4689 | 7018 | 636.18 | 7.40 | 628.78 | |
| P-24 | 5002 | 7178 | 636.06 | 6.58 | 629.48 | |
| P-25 | 5131 | 7510 | 635.01 | 6.01 | 629.00 | |
| P-26 | 4764 | 7309 | 634.23 | 5.30 | 628.93 | |
| P-27 | 4904 | 7020 | 639.70 | 9.80 | 629.90 | |
| P-28 | 5883 | 7486 | 644.53 | 11.02 | 633.51 | |
| P-29 | 5738 | 6619 | 642.37 | NM | NM | Free product in well |
| P-30 | 5626 | 6793 | 642.42 | NM | NM | Free product in well, and damaged |
| P-31 | 5480 | 7159 | 641.03 | NM | NM | Not found |
| P-32 | 5746 | 7026 | 642.32 | 7.09 | 635.23 | |
| P-33 | 5226 | 7129 | 640.20 | 5.48 | 634.72 | |
| P-34 | 5279 | 6692 | 639.46 | 4.71 | 634.75 | |

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# Table 1
## Groundwater Elevations - June 1998
## American Chemical Service, Inc. NPL Site

**Piezometers Cont.**

| | | | | | | |
|---|---|---|---|---|---|---|
| P-35 | 5515 | 6572 | 641.44 | 5.40 | 636.04 | |
| P-36 | 5410 | 6851 | 645.89 | 10.48 | 635.41 | |
| P-39 | 5940 | 6902 | 642.00 | 6.42 | 635.58 | |
| P-40 | 5931 | 7241 | 638.77 | 4.41 | 634.36 | |
| P-41 | 5663 | 7377 | 637.23 | 4.05 | 633.18 | |
| P-49 | 5145 | 6949 | 638.98 | 4.11 | 634.87 | |
| P-50 | 5129 | 6964 | 639.59 | 7.08 | 632.51 | |
| P-51 | 3876 | 6859 | 635.07 | NM | NM | Not found, Heavy underbrush |
| P-52 | 4100 | 7845 | 636.66 | NM | NM | Not found, Heavy underbrush |
| P-53 | 4597 | 8015 | 636.18 | 5.96 | 630.22 | |
| P-54 | 4936 | 8081 | 638.28 | 8.57 | 629.71 | |
| P-55 | 5628 | 7979 | 636.08 | 5.81 | 630.27 | |
| P-56 | 6405 | 7665 | 639.46 | 5.66 | 633.80 | |
| P-57 | 6783 | 7573 | 638.05 | 4.03 | 634.02 | |
| P-58 | 6454 | 6932 | 638.30 | 3.04 | 635.26 | |
| P-59 | 6389 | 6590 | 639.22 | 3.65 | 635.57 | |
| P-60 | 6111 | 6051 | 640.23 | NM | NM | Not found, Heavy underbrush |
| P-61 | 5533 | 5284 | 638.58 | 5.10 | 633.48 | |
| P-62 | 5665 | 4945 | 637.06 | 4.96 | 632.10 | |
| P-63 | 5483 | 7689 | 637.70 | 7.06 | 630.64 | |
| EW-1 | 5113 | 6942 | 639.50 | NM | NM | Damaged-run over |
| P-64 | 4617 | 7065 | 634.87 | 6.00 | 628.87 | |
| P-65 | 4615 | 7063 | 634.77 | 5.80 | 628.97 | |
| P-66 | 4729 | 7034 | 636.02 | 7.30 | 628.72 | |
| P-67 | 4732 | 7034 | 636.06 | 7.30 | 628.76 | |
| P-68 | 4743 | 7752 | 634.48 | 3.90 | 630.58 | |
| P-69 | 4741 | 7751 | 634.66 | 4.06 | 630.60 | |
| P-70 | 4880 | 7680 | 635.38 | 5.80 | 629.58 | |
| P-71 | 4876 | 7682 | 635.32 | 5.60 | 629.72 | |

# Table 1
## Groundwater Elevations - June 1998
## American Chemical Service, Inc. NPL Site

### New Piezometers - Upper Aquifer

| Well | Reference Points | | | 6/1/98 | | |
|---|---|---|---|---|---|---|
| Designation | East | North | TOC | Depth | Elevation | Notes |
| P-81 | 5577 | 7581 | 636.19 | 5.39 | 630.80 | |
| P-82 | 5577 | 7572 | 635.77 | 5.00 | 630.77 | |
| P-83 | 5577 | 7562 | 635.95 | 5.18 | 630.77 | |
| P-84 | 5322 | 7603 | 634.35 | 4.37 | 629.98 | |
| P-85 | 5326 | 7594 | 634.08 | 3.44 | 630.64 | |
| P-86 | 5329 | 7585 | 634.41 | 4.42 | 629.99 | |
| P-87 | 5121 | 7466 | 633.88 | 4.91 | 628.97 | |
| P-88 | 5130 | 7460 | 633.90 | 4.71 | 629.19 | |
| P-89 | 5137 | 7454 | 634.02 | 4.73 | 629.29 | |
| P-90 | 4881 | 7152 | 632.59 | 4.80 | 627.79 | |
| P-91 | 4889 | 7145 | 632.97 | 5.42 | 627.55 | |
| P-92 | 4896 | 7138 | 633.63 | 5.84 | 627.79 | |
| P-93 | 5136 | 7067 | 638.79 | 7.39 | 631.40 | |
| P-94 | 5146 | 7061 | 638.98 | NM | NM | Damaged-run over |
| P-95 | 5146 | 6532 | 638.58 | 8.71 | 629.87 | |
| P-96 | 5156 | 6537 | 638.39 | 8.45 | 629.94 | |
| P-97 | 5098 | 6283 | 638.39 | 7.60 | 630.79 | |
| P-98 | 5130 | 6279 | 639.35 | 5.95 | 633.40 | |
| P-99 | 5020 | 5945 | 644.35 | 10.17 | 634.18 | |
| P-100 | 5031 | 5948 | 643.93 | 9.75 | 634.18 | |
| P-101 | 5550 | 5979 | 650.08 | 14.89 | 635.19 | |
| P-102 | 5517 | 5996 | 647.18 | 10.60 | 636.58 | |
| P-103 | 5672 | 6248 | 644.97 | 9.96 | 635.01 | |
| P-104 | 6267 | 5639 | 646.68 | 10.25 | 636.43 | |
| P-105 | 6678 | 5885 | 638.86 | 3.20 | 635.66 | |
| P-106 | 6685 | 5871 | 638.10 | 2.67 | 635.43 | |
| P-107 | 5766 | 7339 | 637.42 | 4.07 | 633.35 | |
| P-108 | 5757 | 7324 | 638.13 | 3.35 | 634.78 | |

Note
All depth measurements and elevations are in units of feet.

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# Table 2
## Upper Aquifer Wells Sampled - June 1998
## 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 | Upgradient | TCL/TAL |
| 2 | | MW-12 | Upgradient | TCL/TAL |
| 3 | | MW40 | Upgradient | TCL/TAL |
| 4 | | MW13 | Internal | TCL/TAL |
| 5 | | MW48 | Internal | TCL/TAL |
| 6 | | MW49 | Internal | TCL/TAL |
| 7 | | MW39 | Sidegradient | 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 | Downgradient | TCL/TAL |
| 23 | | MW42 | Downgradient | TCL/TAL |
| 24 | | MW43 | Downgradient | TCL/TAL |

Notes:

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

## Table 3
## Lower Aquifer Wells Sampled - June 1998
## 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 |

Notes:

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

# Table 4
## Summary of June 1998 Field Parameter Results
## American Chemical Service, Inc. NPL Site
## Griffith, Indiana

| Well ID | Field Parameters | | | | |
|---|---|---|---|---|---|
| | pH (std. units) | Conductivity (umhos/cm) | Conductivity (adjusted to 25°C) | Temperature (°C) | Turbidity (NTU) |
| MW1S | 6.76 | 293 | 375 | 14.1 | 12.9 |
| MW3S | 6.36 | 382 | 515 | 12.1 | 14.5 |
| M4S | 6.44 | 2440 | 3035 | 15.2 | 6.7 |
| MW4D | 7.51 | 1113 | 1398 | 14.8 | 54.5 |
| MW6 | 6.34 | 2070 | 2568 | 15.3 | 18.8 |
| MW7 | 7.52 | 702 | 962 | 11.5 | 9.3 |
| MW8 | 8.02 | 276 | 376 | 11.7 | 13.6 |
| MW09 | 6.87 | 1200 | 1579 | 13.0 | 21.1 |
| MW10C | 7.19 | 688 | 917 | 12.5 | 40.9 |
| MW11 | 6.53 | 259 | 350 | 12.0 | 38.0 |
| MW12 | 6.84 | 126 | 164 | 13.4 | 62.2 |
| MW13 | 7.36 | 695 | 949 | 11.6 | 13.7 |
| MW14 | 7.35 | - | - | 14.2 | - |
| MW15 | 7.24 | 3950 | 4913 | 15.2 | 13.3 |
| MW18 | 7.04 | 626 | 844 | 12.1 | 3.8 |
| MW19 | 7.40 | 5080 | 5747 | 19.2 | 16.4 |
| MW21 | 10.06 | 277 | 355 | 14.0 | 9.8 |
| MW22 | 7.70 | 1970 | 2179 | 20.2 | 8.8 |
| MW23 | 7.30 | 749 | 1029 | 11.4 | 30.4 |
| MW24 | 7.35 | 671 | 885 | 12.9 | 215 |
| MW28 | 7.31 | 714 | 949 | 12.6 | 8.1 |
| MW29 | 7.43 | 918 | 1218 | 12.7 | 8.8 |
| MW30 | 7.41 | 1035 | 1422 | 11.4 | 3.8 |
| MW31 | 8.45 | 237 | 316 | 12.5 | 3.2 |
| MW32 | 8.33 | 281 | 380 | 12.0 | 4.0 |
| MW33 | 6.77 | 2980 | 4093 | 11.4 | 0 |
| MW34 | 8.38 | 296 | 386 | 13.3 | 4.1 |
| MW36 | 7.36 | 819 | 1125 | 11.4 | 19 |
| MW37 | 7.45 | 77.2 | 102 | 13.0 | 64.7 |
| MW38 | 6.60 | 466 | 654 | 10.6 | 24 |
| MW39 | 6.91 | 1492 | 2022 | 11.9 | 47 |
| MW40 | 5.96 | 147 | 185 | 14.7 | 30.4 |
| MW41 | 6.91 | 378 | 463 | 15.8 | 16 |
| MW42 | 6.83 | 823 | 1061 | 13.8 | 11 |
| MW43 | 6.72 | 911 | 1153 | 14.5 | 349 |
| MW44 | 7.52 | 772 | 1087 | 10.5 | 10 |
| MW45 | 6.88 | 1108 | 1392 | 14.8 | 10 |
| MW46 | 6.89 | 945 | 1257 | 12.6 | 7.5 |
| MW47 | 6.93 | 38.4 | 48 | 15.2 | 18.1 |
| MW48 | 6.90 | 834 | 1116 | 12.4 | 4.9 |
| MW49 | 6.94 | 110 | 144 | 13.3 | 52.6 |
| MW50 | 7.44 | 2400 | 3108 | 13.6 | 330 |
| MW51 | 7.12 | 1470 | 1965 | 12.4 | 18.8 |
| MW52 | 7.13 | 1600 | 2128 | 12.6 | 16.2 |
| MW53 | 6.69 | 3830 | 5162 | 12.1 | 8.3 |
| MW54 | 7.73 | 1140 | 1516 | 12.6 | - |
| MW55 | 8.16 | 314 | 421 | 12.3 | 4.5 |

Notes:

NTU = nephelometric turbidity units

- = Parameter not measured due to instrument malfunction

JJN/ape

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**Table 5**
**Vertical Gradients in Wetlands (Upper Aquifer) - June 1998**
**American Chemical Service, Inc. NPL Site**
**Griffith, Indiana**

| 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 | 628.87 | | | |
| P65 | 622.20 | 620.20 | 621.20 | | | 628.97 | 0.10 | 0.020 |
| P66 | 629.45 | 625.10 | 627.28 | 8 | 628.72 | | | |
| P67 | 620.50 | 618.50 | 619.50 | | | 628.76 | 0.04 | 0.005 |
| P68 | 628.15 | 623.80 | 625.98 | 6 | 630.58 | | | |
| P69 | 621.10 | 618.60 | 619.85 | | | 630.60 | 0.02 | 0.003 |
| P70 | 628.55 | 624.20 | 626.38 | 6 | 629.58 | | | |
| P71 | 621.00 | 619.00 | 620.00 | | | 629.72 | 0.14 | 0.023 |

Notes:
(-) = Downward Gradient
(+) = Upward Gradient
Water Levels Collected by Montgomery Watson on June 1, 1998.

## Table 6
## Vertical Gradients in Lower Aquifer - June 1998
## American Chemical Service, Inc. NPL Site
## Griffith, Indiana

| 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 | 622.60 | | | | NA | | | |
| PZ44 | 578.4 | 573.4 | 13 | 0.0008 | | | 622.60 | | 0.00 | | WU | | |
| MW36 | 552.7 | 542.7 | 21 | 0.0005 | | | | 622.61 | 0.01 | | | WU | WU |
| MW8 | 598.2 | 593.2 | | | NA | 622.24 | | | | NA | | | |
| MW31 | 574.6 | 564.6 | 19 | 0.0005 | | | 622.25 | | 0.01 | | WU | | |
| MW32 | 547.3 | 537.3 | 17 | 0.0006 | | | | 622.25 | 0 | | | WU | WU |
| MW9R | 605.9 | 600.9 | | | NA | NA | | | | NA | | | |
| MW29 | 585.9 | 575.9 | 15 | 0.0007 | | | 622.66 | | NA | | NA | | |
| MW34 | 552.8 | 542.8 | 23 | 0.0004 | | | | 622.68 | 0.02 | | | 0.0009 | NM |
| MW10 | 603.0 | 598.0 | | | NA | 622.43 | | | | NA | | | |
| MW30 | 585.0 | 575.0 | 13 | 0.0008 | | | 622.11 | | -0.32 | | -0.0246 | | |
| MW33 | 556.0 | 546.0 | 19 | 0.0005 | | | | 622.11 | 0 | | | WU | -0.0076 |
| MW28 | 588.7 | 578.7 | | | NA | 623.19 | | | | NA | | | |
| PZ42 | 568.5 | 563.5 | 10 | 0.0010 | | | 623.18 | | -0.01 | | -0.0010 | | |
| PZ43 | 554.5 | 549.5 | 9 | 0.0011 | | | | 623.24 | 0.06 | | | 0.0067 | 0.0021 |
| MW52 | 615.6 | 605.6 | | | NA | 622.24 | | | | NA | | | |
| MW53 | 555.7 | 545.7 | 50 | 0.0002 | | | NA | 622.19 | -0.05 | | NA | NA | 0.0010 |
| MW54R | 608.1 | 598.1 | | | NA | NA | | | | NA | | | |
| MW55 | 547.6 | 537.6 | 51 | 0.0002 | | | NA | NA | NA | | NA | NA | NA |

Notes:
Water levels collected by Montgomery Watson on June 1, 1998.
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.
NM = Not measurable, survey needs to be done.

**Table 7**
**Vertical Gradients Between Upper and Lower Aquifers**
**June 1998**
**American Chemical Service, Inc. NPL Site**
**Griffith, Indiana**

| Well Designation | Screen Interval Top | Screen Interval Bottom | Screen Midpoint | Separation (feet) | Groundwater Elevation Upper | Groundwater Elevation Lower | Groundwater Elevation delta | Hydraulic Gradient |
|---|---|---|---|---|---|---|---|---|
| P28 | 634.30 | 629.30 | 631.80 | 11 | 633.51 | | | |
| MW8 | 598.20 | 593.20 | 595.70 | | | 622.24 | -11.27 | -1.02 |
| P27 | 631.02 | 626.02 | 628.52 | NA | 629.90 | | | |
| MW9R | NA | NA | NA | | | NA | NA | NA |
| P8 | 635.36 | 630.36 | 632.86 | 18 | 635.42 | | | |
| MW7 | 595.90 | 590.90 | 593.40 | | | 622.60 | -13 | -0.71 |
| MW17 | 632.94 | 622.94 | 627.94 | 28 | 634.74 | | | |
| MW28 | 588.70 | 578.70 | 583.70 | | | 623.19 | -11.55 | -0.41 |

Notes:
(-) = Downward Gradient
(+) = Upward Gradient
Water levels collected by Montgomery Watson on June 1, 1998.
NA = Not available. The top of casing elevation was not yet surveyed in as of this measurment.

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

| Parameter | M3S | M4S | M4S Dup | MW06 | MW11 | MW12 | MW13 | MW19 | MW37 | MW39 |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOCs (ug/L)** | | | | | | | | | | |
| Chloromethane | 5.0 J/ | 960 J/J | | | | | | | 2.0 J/ | |
| Vinyl Chloride | | | | | | | | | | |
| Chloroethane | | | | 350 D/J | | | 82 /J | 16 /J | | |
| Methylene Chloride | | | | | | | | | | |
| Acetone | | | | | | | | | | |
| 1,2 Dichloroethene (total) | | | | 6.0 J/J | | | | | | 3.0 J/J |
| Benzene | | | | 72 /J | | 2.0 J/ | 2.0 J/J | | | |
| 4 Methyl-2-Pentanone | | | | | | | | | | |
| Tetrachloroethene | | | | | | | | | | |
| Toluene | | | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | | | | | | | | | | |
| Chlorobenzene | | | | | | 5.0 J/ | | | | |
| Ethylbenzene | | | | | | | | | | |
| 1,1 Dichloroethane | | | | | | | | | | |
| 1,2 Dichloroethane | | | | 2 J/J | | | | | | |
| Xylene (total) | | | | | | | | | | |
| Carbon Disulfide | | | | | | | | | | |
| Trichloroethene | | | | 1.0 J/J | | | | | | |
| Chloroform | | | | | | | | | | |
| **SVOCs (ug/L)** | | | | | | | | | | |
| Phenol | | | | | | | | | | |
| Bis(2-Chloroethyl)Ether | | 85 /D | 84 /D | | | | | 11 / | | |
| 1,2 Dichlorobenzene | | | | | | | | | | |
| 1,4 Dichlorobenzene | | | | | | | | | | |
| 2,2' Oxybis(1 Chloropropane) | 3 /J | | | | | 74 D/ | | | | |
| Isophorone | | | | | | | | | | |
| Naphthalene | | | | | | | | | | |
| 2 Methylnaphthalene | | | | | | | | | | |
| Bis(2 Ethylhexyl)Phthalate | | | | 36 / | 1 J/ | | | | 19 / | |
| 2,4-Dimethylphenol | | | | | | | | | | |
| Diethylphthalate | | | | | | | | | | |
| Di N-Butylphthalate | | | | | | | | | | 1 J/ |

/ = No data qualifier required

D = Data qualifier added by laboratory

/J = Data qualifier added by data validator

Data qualifiers are defined in Appendix C

JNN/dlp/JMS

J:\1252\042\analytical\Jun 98 GW\Upper

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

| Parameter | MW39 Dup | | MW41 | | MW42 | | MW42 Dup | | MW43 | | MW44 | | MW45 | | MW46 | | MW48 | | MW49 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **VOC's (ug/L)** | | | | | | | | | | | | | | | | | | | | |
| Chloromethane | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | | | | | | | | | | | | | | | | | | | | |
| Chloroethane | | | | | | | | | | | | | 120 | /J | | | 720 | D/J | 450 | D/ |
| Methylene Chloride | | | | | | | | | | | | | | | | | | | | |
| Acetone | | | | | | | | | | | | | | | | | | | | |
| 1,2-Dichloroethene (total) | 4 | J/ | | | | | | | | | | | 4.0 | J/J | | | 2.0 | J/J | 6.0 | J/ |
| Benzene | 3 | J/ | | | | | | | | | | | 670 | D/J | | | 9500 | D/J | 4500 | D/ |
| 4-Methyl-2 Pentanone | | | | | | | | | | | | | | | | | | | | |
| Tetrachloroethene | | | | | | | | | | | | | | | | | | | | |
| Toluene | | | | | | | | | | | | | | | | | 3.0 | J/J | | |
| 1,1,2,2-Tetrachloroethane | | | | | | | | | | | | | | | | | | | 2.0 | J/ |
| Chlorobenzene | | | | | | | | | | | | | 30 | /J | | | | | | |
| Ethylbenzene | | | | | | | | | | | | | 4.0 | J/J | | | | | | |
| 1,1 Dichloroethane | | | | | | | | | | | | | | | | | | | | |
| 1,2 Dichloroethane | | | | | | | | | | | | | 12 | / | | | 88 | /J | 57 | |
| Xylene (total) | | | | | | | | | | | | | 23 | J/J | | | | | | |
| Carbon Disulfide | | | | | | | | | | | | | | | | | | | | |
| Trichloroethene | | | | | | | | | | | | | | | | | | | | |
| Chlorotoum | | | | | | | | | | | | | | | | | | | | |
| **SVOC's (ug/L)** | | | | | | | | | | | | | | | | | | | | |
| Phenol | | | | | | | | | | | | | 20 | / | | | 36 | B/ | | |
| Bis(2-Chloroethyl)Ether | | | | | | | | | | | | | 7 | J/ | 4 | J/ | 13 | / | 6 | J/ |
| 1,2-Dichlorobenzene | | | | | | | | | | | | | 4 | J/ | | | | | | |
| 1,4 Dichlorobenzene | | | | | | | | | | | | | 2 | J/ | | | | | | |
| 2,2'-Oxybis(1-Chloropropane) | | | | | | | | | | | | | | | | | | | 10 | /J |
| Isophorone | | | | | | | | | | | | | | | | | | | 7 | J/J |
| Naphthalene | | | | | | | | | | | | | 96 | | | | | | | |
| 2-Methylnaphthalene | | | | | | | | | | | | | 2 | J/ | | | | | | |
| Bis(2-Ethylhexyl)Phthalate | | | | | | | | | | | | | | | | | | | | |
| 2,4 Dimethylphenol | | | | | | | | | | | | | | | | | | | | |
| Diethylphthalate | | | | | | | 45 | | | | | | | | | | | | | |
| Di-N Butylphthalate | 1 | J/ | 2 | J/ | 2 | J/ | 1 | J/ | 2 | J/ | 2 | J/ | 2 | J/ | | | | | | |

/ = No data qualifier required

J/ = Data qualifier added by laboratory

/J = Data qualifier added by data validator

Data qualifiers are defined in Appendix C

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

| Parameter | M4D | | MW07 | | MW08 | MW09R | | MW10C | | MW22 | MW23 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **VOCs (ug/L)** | | | | | | | | | | | | |
| Vinyl Chloride | | | | | | | | | | | | |
| Carbon Disulfide | | | | | | | | | | | | |
| Chloromethane | | | | | | | | | | | | |
| Chloroethane | | | | | | 1100 | D/J | 160 | / | | | |
| Methylene Chloride | | | | | | | | | | | | |
| Acetone | | | | | | | | | | | | |
| Chloroform | | | | | | | | | | | | |
| Benzene | | | | | | 110 | /J | | | | 6 | J/J |
| Toluene | | | | | | | | | | | | |
| 4-Methyl-2-Pentanone | | | | | | | | | | | | |
| Xylenes (Total) | 2 | J/ | | | | | | | | | | |
| Ethylbenzene | | | | | | | | | | | | |
| 1,2-Dichloroethane | | | | | | 2 | J/J | | | | | |
| 1,2-Dichloroethene (total) | | | | | | 1 | J/J | | | | | |
| **SVOCs (ug/L)** | | | | | | | | | | | | |
| Phenol | 6 | / | 46 | / | | | | | | | | |
| Bis(2-Chloroethyl)Ether | | | | | | 15 | / | | | | | |
| Isophorone | | | | | | | | | | | | |
| Bis(2-Ethylhexyl)Phthalate | | | 4 | J/J | | | | | | | | |
| Di-N-Octylphthalate | | | | | | | | | | | | |
| Di-N-Butylphthalate | | | | | | | | | | | | |
| Diethylphthalate | | | | | | | | | | | | |
| Butylbenzylphthalate | | | | | | | | | | | | |

/_ = No data qualifier required
J/ = Data qualifier added by laboratory
/J = Data qualifier added by data validator

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

| Parameter | MW23 Dup | MW24 | MW24 Dup | MW28 | MW29 | MW30 | MW31 | MW32 |
|---|---|---|---|---|---|---|---|---|
| **VOCs (ug/L)** | | | | | | | | |
| Vinyl Chloride | | | | | | | | |
| Carbon Disulfide | | | | | | | | |
| Chloromethane | | | | | | | | 16 / |
| Chloroethane | | | | | | | | |
| Methylene Chloride | | | | | | | | |
| Acetone | | | | | | | | |
| Chloroform | | | | | | | | |
| Benzene | | | | | | | | |
| Toluene | | | | | | | | |
| 4-Methyl-2-Pentanone | | | | | | | | |
| Xylenes (Total) | | | | | | | | |
| Ethylbenzene | | | | | | | | |
| 1,2-Dichloroethane | | | | | | | | |
| 1,2-Dichloroethene (total) | | | | | | | | |
| **SVOCs (ug/L)** | | | | | | | | |
| Phenol | | | | | | | | |
| Bis(2-Chloroethyl)Ether | | | | | | | | |
| Isophorone | | | | | | | | |
| Bis(2-Ethylhexyl)Phthalate | | | | | 49 / | | 13 B/ | |
| Di-N-Octylphthalate | | | | | | | | |
| Di-N-Butylphthalate | | | | | | | | |
| Diethylphthalate | | | | | | | | 16 / |
| Butylbenzylphthalate | | | | | | | | |

/ = No data qualifier required
B/ = Data qualifier added by laboratory
/J = Data qualifier added by data validator

JMS/JJN/gn
J:/1252/042/Analytical/June 98 GW/Lower
1252042.221601

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

| Parameter | MW33 | MW34 | MW36 | MW50 | MW51 | MW52 | MW53 | MW54R | MW55 |
|---|---|---|---|---|---|---|---|---|---|
| **VOCs (ug/L)** | | | | | | | | | |
| Vinyl Chloride | | | | | | | | | |
| Carbon Disulfide | | | | | | | | | |
| Chloromethane | | | | | | | | | |
| Chloroethane | | | | | | | | | |
| Methylene Chloride | | | | | | | | | |
| Acetone | | | | | | | | | |
| Chloroform | | | | | | | | | |
| Benzene | 1 J/J | | | | 2 J/J | | 2 J/J | 5 J/J | |
| Toluene | | | | | | | | | |
| 4-Methyl-2-Pentanone | | | | | 2 J/J | | | | |
| Xylenes (Total) | | | | | | | | | |
| Ethylbenzene | | | | | | | | | |
| 1,2-Dichloroethane | | | | | | | | | |
| 1,2-Dichloroethene (total) | | | | | | | | | |
| **SVOCs (ug/L)** | | | | | | | | | |
| Phenol | | | | | | | | | |
| Bis(2-Chloroethyl)Ether | | | | | | | | | |
| Isophorone | | | | | | | | | |
| Bis(2-Ethylhexyl)Phthalate | | 3 J/ | | 1 J/ | | | | | |
| Di-N-Octylphthalate | | | | | | | | | |
| Di-N-Butylphthalate | | | | | | | | | |
| Diethylphthalate | | | | | 8 J/ | | | | |
| Butylbenzylphthalate | | | | | | | | | |

_/_ = No data qualifier required
J/_ = Data qualifier added by laboratory
_/J = Data qualifier added by data validator

JMS/JJN/jjn
J:/1252/042/Analytical/June 98 GW/Lower
1252042.221601

[illegible]

Summary of Results — Baseline [illegible]

| Well | Potentially Statistically Significant Dec 97 | Potentially Statistically Significant Jun 98 | Aluminum Jun 98 | Aluminum Baseline | Barium Jun 98 | Barium Baseline | Calcium Jun 98 | Calcium Baseline | Chromium (total) Jun 98 | Chromium (total) Baseline | Cobalt Jun 98 | Cobalt Baseline | Copper Jun 98 | Copper Baseline | Iron Jun 98 | Iron Baseline | Lead Jun 98 | Lead Baseline | Magnesium Jun 98 | Magnesium Baseline | Manganese Jun 98 | Manganese Baseline | Nickel Jun 98 | Nickel Baseline | Potassium Jun 98 | Potassium Baseline | Sodium Jun 98 | Sodium Baseline | Vanadium Jun 98 | Vanadium Baseline | Zinc Jun 98 | Zinc Baseline | [illegible] Jun 98 | [illegible] Baseline |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW15 | M | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW17 | F | | | | | | | | | | | | | | | | | | | | | | | | | | 42000 | 27000 | | | | | | |
| MW18 | | M | | | | | | | | | | | | | | | | | | | | | | | | | 67000 | 56000 | | | | | | |
| MW06 | | M | | | | | 28000 | 27000 | | | | | | | | | | | 47000 | 17000 | | | | | | | | | | | | | | |
| MW07 | | | | | | | | | | | | | | | | | | | | | | | | | | | 500000 | 240000 | | | | | | |
| MW08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW09R | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW11 | F, M | | | | | | | | | | | | | | | | | | | | | | | | | | 2900 | 4500 | | | | | | |
| MW12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW13 | F, M | | | | | | 19000 | 27000 | | | | | | | | | | | 41000 | 27000 | | | | | | | | | | | | | | |
| MW14 | | | | | | | | | 34 | 16 | | | | | | | | | | | | | 30 | 29 | | | | | | | | | | |
| MW15 | F | | | | | | | | | | 41 | 34 | | | | | | | | | | | | | | | 474000 | 27000 | | | | | | |
| MW18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW22 | | F, M | [illegible] | [illegible] | | | | | [illegible] | [illegible] | [illegible] | [illegible] | | | [illegible] | [illegible] | [illegible] | [illegible] | 52400 | 47000 | [illegible] | [illegible] | [illegible] | [illegible] | | | | | [illegible] | [illegible] | [illegible] | [illegible] | | |
| MW23 | F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW29 | | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW30 | | | | | | | | | | | | | | | | | | | 37000 | 37000 | | | | | | | | | | | | | | |
| MW31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW33 | | | | | | | | | 45 | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW34 | | M | | | | | | | | | | | | | | | | | | | | | [illegible] | [illegible] | | | | | | | | | | |
| MW36 | | | | | | | 26000 | 37000 | | | | | | | | | | | 47000 | 45000 | | | | | | | | | | | | | | |
| MW37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW38 | | | | | | | | | | | | | | | | | | | 22000 | 22000 | | | | | | | | | | | | | | |
| MW39 | | | | | | | | | | | | | | | | | | | | | | | | | | | 145000 | 24000 | | | | | | |
| MW40 | | | | | | | | | | | | | | | | | | | | | | | | | [illegible] | [illegible] | | | | | [illegible] | [illegible] | | |
| MW41 | | M | | | | | | | | | | | | | | | | | | | | | | | [illegible] | [illegible] | | | | | [illegible] | [illegible] | | |
| MW42 | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW44 | F, M | | | | | | | | | | | | | | | | | | | | | | | | [illegible] | [illegible] | | | | | | | | |
| MW45 | | M | | | | | | | | | | | | | 13000 | 15000 | | | | | | | | | | | | | | | | | | |
| MW46 | | M | [illegible] | [illegible] | | | | | [illegible] | [illegible] | | | | | 26000 | 25000 | | | | | [illegible] | [illegible] | | | | | | | | | | | | |
| MW47 | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW49 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW52 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW53 | | | | | | | 26000 | 25000 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW54 | | | | | | | | | | | | | | | | | | | | | | | | | | | 41200 | 24700 | | | | | | |
| MW55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | No. Wells | [illegible] | | [illegible] | | [illegible] | | [illegible] | | [illegible] | | [illegible] | | [illegible] | | [illegible] | | [illegible] | | [illegible] | | [illegible] | | [illegible] | | [illegible] | | | | [illegible] | | [illegible] | |
| | | Freq. | [illegible] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Notes

1. See Appendix B for [illegible] following [illegible] results.
2. Bolded numbers underlined [illegible] June 1998 results exceeded the maximum baseline concentration for that species by a factor of 2.5 or more.
3. Blank cell indicates that the June 1998 sample of the most recent specified date exceeded the baseline maximum.
4. Antimony, Arsenic, Beryllium, Cadmium, [illegible], selenium, silver, and thallium are not included in this table because there were no June 1998 exceedances of the Baseline by these species.
5. RC = Recurrence. Number [illegible] sample results [illegible] significant due to recurrence of exceedance.
6. F = Frequency. Number [illegible] potentially [illegible] significant due to frequency of exceedance (>25% of analytical results).
7. M = Magnitude. Number [illegible] potentially [illegible] significant due to magnitude of exceedance (>2x maximum baseline).

[illegible]

# Table 11
## Groundwater Treatment Plant Effluent
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| Analyte | Influent Concentration | | Effluent Concentration | |
|---|---|---|---|---|
| **VOCs (ug/L)** | | | | |
| Benzene | 3100 | E | 10 | U |
| Bromodichloromethane | 10 | U | 10 | U |
| Bromoform | 10 | U | 10 | U |
| Bromomethane | 10 | U | 10 | U |
| Carbon tetrachloride | 10 | U | 10 | U |
| Chlorobenzene | 45 | | 10 | U |
| Chloroethane | 1100 | E | 10 | U |
| Chloroform | 570 | E | 10 | U |
| Chloromethane | 10 | U | 10 | U |
| Dibromochloromethane | 10 | U | 10 | U |
| 1,2-Dichlorobenzene | 49 | JN | | |
| 1,1-Dichloroethane | 1400 | E | 10 | U |
| 1,2-Dichloroethane | 630 | E | 10 | U |
| 1,1-Dichloroethene | 50 | | 10 | U |
| 1,2-Dichloroethene (Total) | 4300 | E | 10 | U |
| 1,2-Dichloropropane | 72 | | 10 | U |
| Ethylbenzene | 680 | E | 10 | U |
| Methylene chloride | 6300 | E | 4 | BJ |
| Naphthalene | 19 | JN | | |
| Styrene | 28 | | 10 | U |
| 1,1,2,2-Tetrachloroethane | 6 | J | 10 | U |
| Tetrachloroethene | 61 | | 10 | U |
| Toluene | 2400 | E | 10 | U |
| 1,1,1-Trichloroethane | 790 | E | 10 | U |
| Trichloroethene | 320 | E | 10 | U |
| 1,2,4-Trimethylbenzene | 120 | J | | U |
| Vinyl chloride | 810 | E | 10 | U |
| Xylenes (Total) | 2800 | E | 10 | U |
| Acetone | 8600 | BE | 20 | B |
| 2-Butanone | 15000 | E | 10 | U |
| 4-Methyl-2-pentanone | 12000 | E | 10 | U |
| **SVOCs (ug/L)** | | | | |
| Phenol | 2700 | E | 10 | U |
| bis (2-Chloroethyl) ether | 320 | | 10 | U |
| 2-Chlorophenol | 250 | U | 10 | U |
| 1,3-Dichlorobenzene | 250 | U | 10 | U |
| 1,4-Dichlorobenzene | 250 | U | 10 | U |
| 1,2-Dichlorobenzene | 64 | J | 10 | U |
| 2-Methylphenol | 790 | | 10 | U |
| N-Nitroso-di-n-propylamine | 250 | U | 10 | U |
| Hexachloroethane | 250 | U | 10 | U |
| Nitrobenzene | 250 | U | 10 | U |
| Isophorone | 250 | U | 10 | U |
| 2-Nitrophenol | 250 | U | 10 | U |

# Table 11
## Groundwater Treatment Plant Effluent
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| Analyte | Influent Concentration | | Effluent Concentration | |
|---|---|---|---|---|
| 2,4-Dimethylphenol | 1300 | | 10 | U |
| bis(2-Chloroethoxy)-methane | 250 | U | 10 | U |
| 2,4-Dichlorophenol | 250 | U | 10 | U |
| 1,2,4-Trichlorobenzene | 250 | U | 10 | U |
| Naphthalene | 54 | J | 10 | U |
| 4-Chloroaniline | 250 | U | 10 | U |
| Hexachlorobutadiene | 250 | U | 10 | U |
| 2,4,6-Trichlorophenol | 250 | U | 10 | U |
| 2,4,5-Trichlorophenol | 620 | U | 25 | U |
| 2-Nitroaniline | 620 | U | 25 | U |
| Dimethyl phthalate | 58 | J | 10 | U |
| Acenaphthylene | 250 | U | 10 | U |
| 3-Nitroaniline | 620 | U | 25 | U |
| 2,4-Dinitrophenol | 620 | U | 25 | U |
| 4-Nitrophenol | 620 | U | 25 | U |
| Dibenzofuran | 250 | U | 10 | U |
| 2,4-Dinitrotoluene | 250 | U | 10 | U |
| 2,6-Dinitrotoluene | 250 | U | 10 | U |
| Diethyl phthalate | 250 | U | 10 | U |
| 4-Chlorophenyl phenyl ether | 250 | U | 10 | U |
| Fluorene | 250 | U | 10 | U |
| 4-Nitroaniline | 620 | U | 25 | U |
| 4,6-Dinitro-2-methylphenol | 620 | U | 25 | U |
| N-Nitrosodiphenylamine | 250 | U | 10 | U |
| 4-Bromophenyl phenyl ether | 250 | U | 10 | U |
| Hexachlorobenzene | 250 | U | 10 | U |
| Phenanthrene | 250 | U | 10 | U |
| Anthracene | 250 | U | 10 | U |
| Di-n-butyl phthalate | 250 | U | 2 | BJ |
| Fluoranthene | 250 | U | 10 | U |
| Pyrene | 250 | U | 10 | U |
| Butyl benzyl phthalate | 250 | U | 3 | BJ |
| 3,3'-Dichlorobenzidene | 250 | U | 10 | U |
| Benzo(a)anthracene | 250 | U | 10 | U |
| bis(2-Ethylhexyl) - phthalate | 250 | U | 4 | BJ |
| Chrysene | 250 | U | 10 | U |
| Di-n-octyl phthalate | 250 | U | 10 | U |
| Benzo(b) fluoranthene | 250 | U | 10 | U |
| Benzo(k) fluoranthene | 250 | U | 10 | U |
| Benzo(a) pyrene | 250 | U | 10 | U |
| Indeno (1,2,3-c,d) pyrene | 250 | U | 10 | U |
| Dibenz(a,h) anthracene | 250 | U | 10 | U |
| Benzo(g,h,i) perylene | 250 | U | 10 | U |
| Pentachlorophenol | 620 | U | | |

**Table 11**
**Groundwater Treatment Plant Effluent**
**June 1998**
**American Chemical Services NPL Site**
**Griffith, Indiana**

| Analyte | Influent Concentration | | Effluent Concentration | |
|---|---|---|---|---|
| **Inorganics (ug/L)** | | | | |
| Arsenic | 16.6 | | 17.1 | |
| Beryllium | 1.2 | B | 0.6 | U |
| Cadmium | 4 | B | 2.5 | U |
| Manganese | 1600 | | 645 | |
| Mercury | 0.19 | B | 0.1 | B |
| Selenium | 2.6 | U | 2.6 | U |
| Thallium | 11.8 | | 3.3 | U |
| Zinc | 18.9 | B | 15.1 | B |

Note:
Data qualifers are defined in Appendix C

**Table 12**
**Summary of Natural Attenuation Sampe Results**
**June 1998**
**American Chemical Services NPL Site**
**Griffith, Indiana**

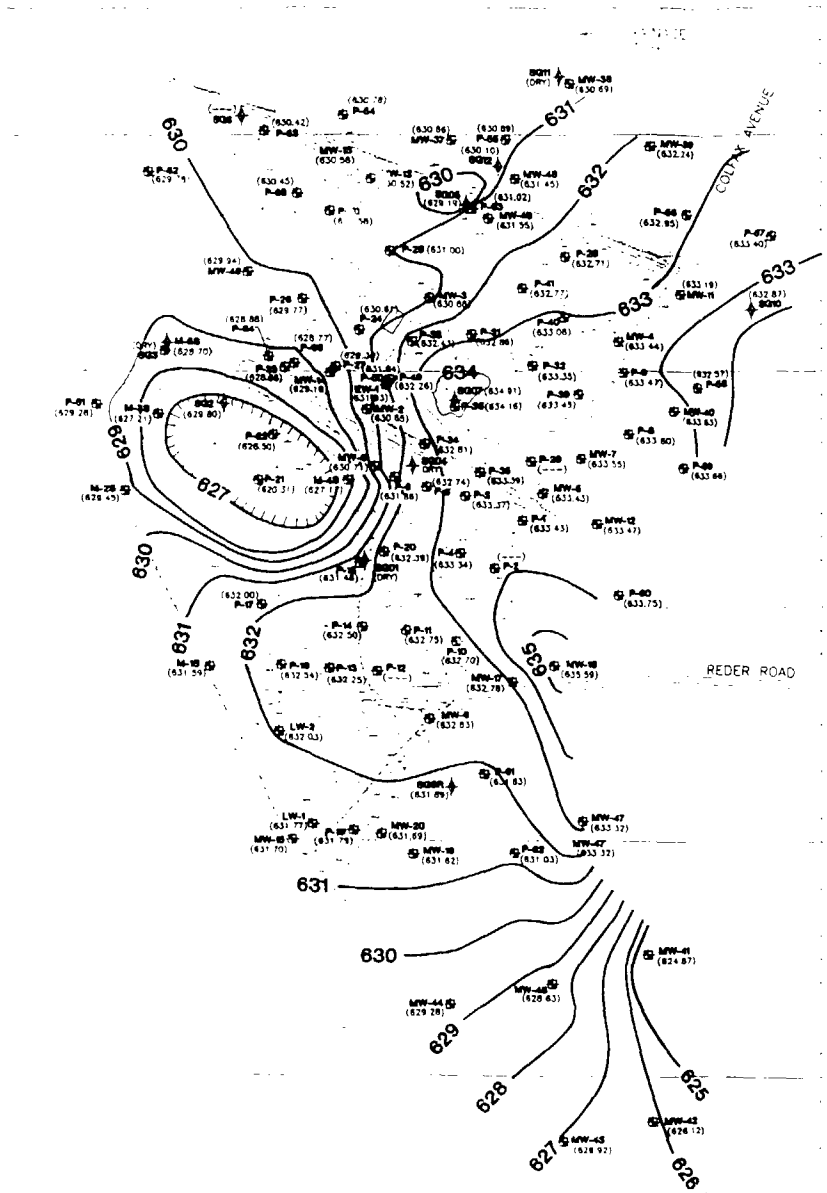
| Analyte | Det. Limit | Results in ug/L | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | MW18 | MW19 | MW38 | MW39 | MW40 | MW41 | MW45 | MW48 |
| Ammonia | 100 | U/ | 46,300 | 281 | 3,290 | U/ | U/ | 1,290 | 4,140 |
| Biological Oxygen Demand | 2,000 | U/ | U/ | U/ | 3,200 | U/ | U/ | 16,000 | U/ |
| Nitrate | 20 | 11,600 | U/ | U/ | U/ | U/ | U/ | U/ | U/ |
| Nitrite | 20 | U/ | U/ | U/ | U/ | U/ | U/ | U/ | U/ |
| Nitrogen (Kjeldahl) | 100 | 208 | 43,700 | 752 | 3,410 | 230 | 223 | 1,620 | 4,610 |
| Organic Carbon (total) | 1,000 | 3,370 | 16,600 | 10,000 | 6,470 | 4,090 | 2,090 | 6,590 | 7,000 |
| Ortho phosphate | 20 | U/UJ | U/UJ | U/UJ | U/UJ | U/UJ | U/U | U/UJ | U/UJ |
| Sulfate | 2,000 | 76,700 | 11,800 | 23,800 | 9,670 | 47,200 | 38,600 | U/ | 10,500 |

/ = No data qualifier required
U/_ = Data qualifier added by laboratory
/J = Data qualifier added by data validator

MHS/JJN/LAB/jjn

**Table 13**
**Summary of Natural Attenuation Field Parameters**
**June 1997 through June 1998**
**American Chemical Services NPL Site**
**Griffith, Indiana**

| Well | Date | Parameter | | | |
|---|---|---|---|---|---|
| | | Oxidation/Reduction Potential (mV) | Temperature (°C) | pH (units) | Dissolved Oxygen (mg/L) |
| MW18 | Jun-97 | 303 | 29.37 | 7.1 | 6.94 |
| | Sep-97 | 258 | 15.1 | 6.89 | 1.33 |
| | Dec-97 | 349 | 12.1 | 6.83 | 2.41 |
| | Jun-98 | 263 | 12.1 | 7.04 | 9.07 |
| MW19 | Jun-97 | 56 | 13.2 | 7.39 | 0.12 |
| | Sep-97 | 29 | 17.5 | 7.45 | 0.39 |
| | Dec-97 | 80 | 11.6 | 7.59 | 0.2 |
| | Jun-98 | 81 | 19.22 | 7.4 | 4.14 |
| MW38 | Jun-97 | 210 | 9.86 | 6.87 | 0.24 |
| | Sep-97 | 226 | 14.5 | 6.93 | 0.79 |
| | Dec-97 | 215 | 11.1 | 6.45 | 0.31 |
| | Jun-98 | 211 | 10.6 | 6.6 | 0.28 |
| MW39 | Jun-97 | 230 | 23.36 | 6.49 | 6.82 |
| | Sep-97 | 113 | 15.3 | 6.77 | 0.47 |
| | Dec-97 | 175 | 10.4 | 6.7 | 0.21 |
| | Jun-98 | 130 | 11.9 | 6.91 | 0.42 |
| MW40 | Jun-97 | 222 | 13.09 | 6.81 | 0.37 |
| | Sep-97 | 197 | 15.8 | 6.56 | 0.44 |
| | Dec-97 | 334 | 11.3 | 6.41 | 0.42 |
| | Jun-98 | 305 | 14.71 | 5.96 | 0.46 |
| MW41 | Jun-97 | 279 | 16.7 | 7.32 | 1.14 |
| | Sep-97 | 204 | 18.4 | 6.75 | 1.3 |
| | Dec-97 | 340 | 13.8 | 6.94 | 1.05 |
| | Jun-98 | 272 | 15.8 | 6.91 | 2.44 |
| MW45 | Jun-97 | 76 | 16.3 | 7.52 | 0.48 |
| | Sep-97 | 89 | 18.7 | 6.81 | 0.38 |
| | Dec-97 | 147 | 11.4 | 6.87 | 0.2 |
| | Jun-98 | 93 | 14.8 | 6.88 | 0.33 |
| MW48 | Jun-97 | 116 | 13.8 | 6.61 | 0.19 |
| | Sep-97 | 92 | 15.9 | 6.74 | 0.58 |
| | Dec-97 | 152 | 9.4 | 6.71 | 0.33 |
| | Jun-98 | 98 | 12.37 | 6.9 | 0.25 |




**LEGEND**

- MW-12 — UPPER AQUIFER WELL LOCATION AND NUMBER
- M-16 — 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

**NOTES**

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

north

0 500 1000

SCALE IN FEET

UPPER AQUIFER WATER TABLE ELEVATIONS
NOVEMBER 4, 1996

1

MONTGOMERY WATSON

FIGURE 1

QUALITY CONTROL | Graphic Standards: CEM | 12-12-96 | Technical Review | Management Review
Lead Professional | Project Manager | Other

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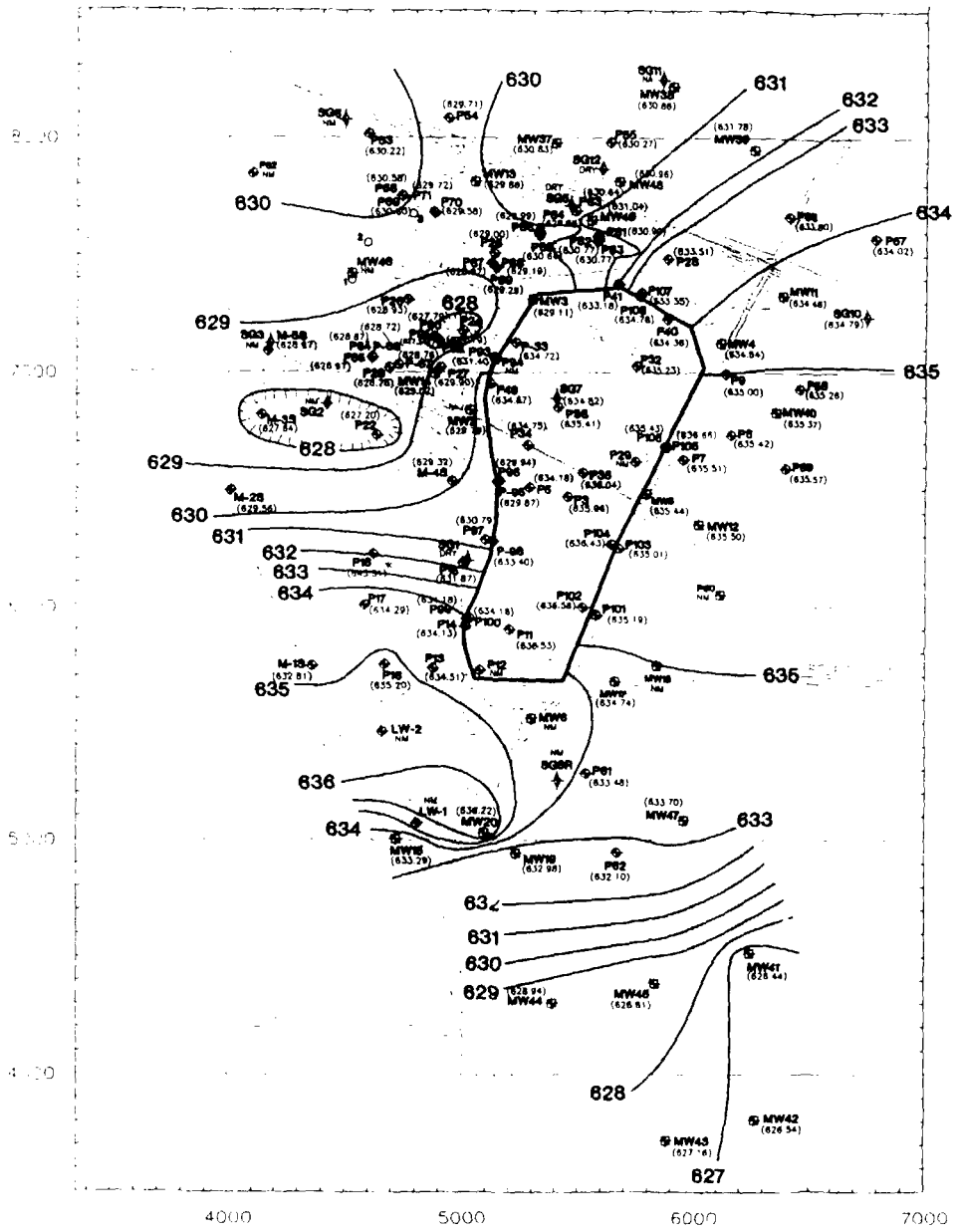


**LEGEND**

- UPPER AQUIFER WELL LOCATION AND DESIGNATION
- LEACHATE WELL LOCATION AND DESIGNATION
- PIEZOMETER LOCATION AND DESIGNATION
- STAFF GAUGE LOCATION AND DESIGNATION
- SURFACE DISCHARGE LOCATION FOR PERIMETER GROUND WATER CONTAINMENT SYSTEM
- (632) ELEVATION
- (632)* ELEVATION MEASURED BUT NOT USED FOR DETERMINATION OF THE POTENTIOMETRIC SURFACE
- 630 —— GROUNDWATER ELEVATION CONTOUR BASED ON GROUNDWATER ELEVATION DATA
- 630 - - - - GROUNDWATER ELEVATION CONTOUR BASED ON HYDROGEOLOGIC CONDITIONS
- BARRIER WALL
- PERIMETER GROUND WATER CONTAINMENT SYSTEM
- GRIFFITH LANDFILL BOUNDARY

**NOTES**

1. GROUNDWATER ELEVATIONS FOR WATER TABLE CONTOURS WERE MEASURED AT THE SITE ON JUNE 1, 1998

north

0 500 1000

SCALE IN FEET

FIGURE 2

UPPER AQUIFER WATER TABLE ELEVATIONS - JUNE 1998

MONTGOMERY WATSON

2

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

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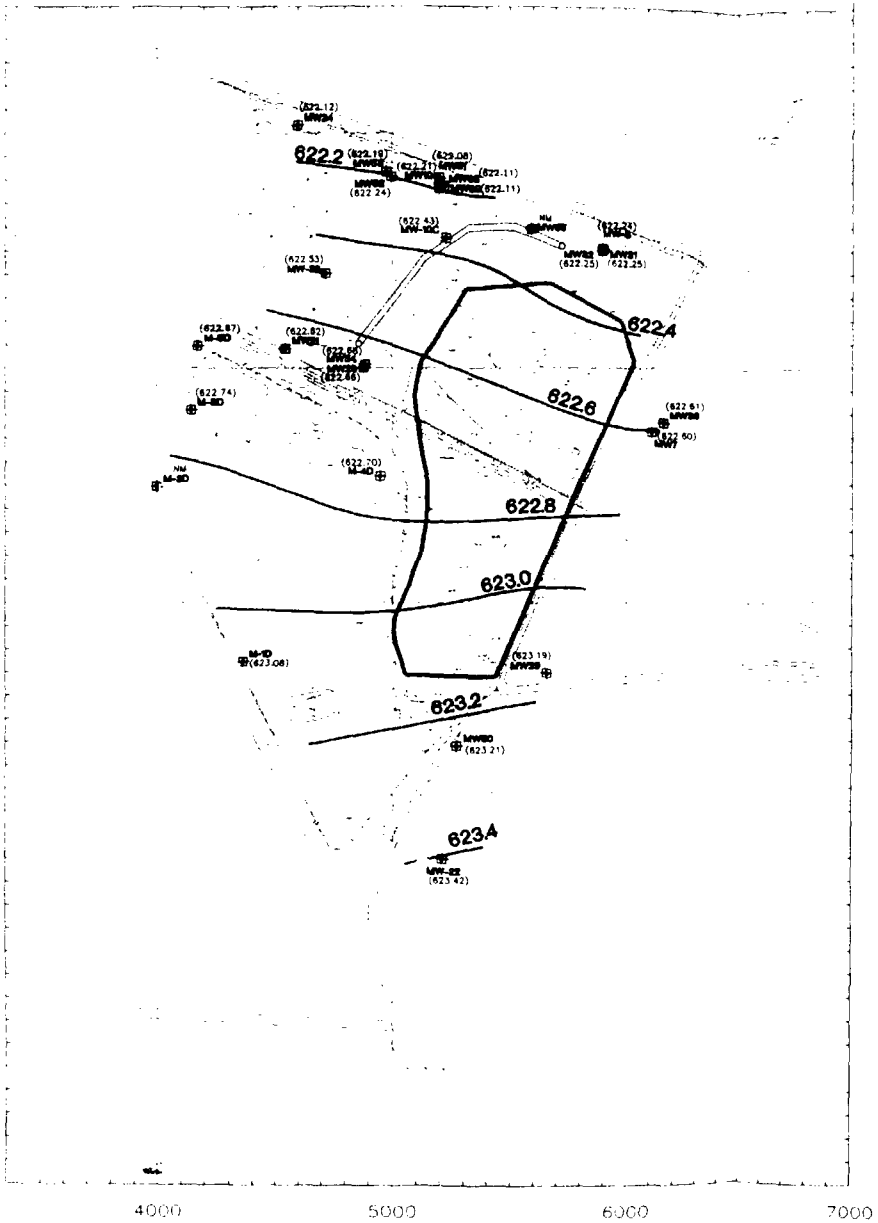


**LEGEND**

- BARRIER WALL
- PERIMETER GROUND WAT
- GRIFFITH LANDFILL BOUN
- LOWER AQUIFER WELL NUMBER TO BE SAMPLE
- (632) ELEVATION
- 630 GROUNDWATER ELEVATIO ON GROUNDWATER ELEV

**NOTES**

GROUNDWATER ELEVATIONS FOR WA CONTOURS WERE MEASURED ON JU

north

0 500 1000

SCALE IN FEET

LOWER AQUIFER POTENTIOMETRIC SURFACE

FIGURE 3

3

MONTGOMERY WATSON

Management Review
Other

Technical Review
Project Manager

Graphic Standards
Lead Professional

QUALITY CONTROL

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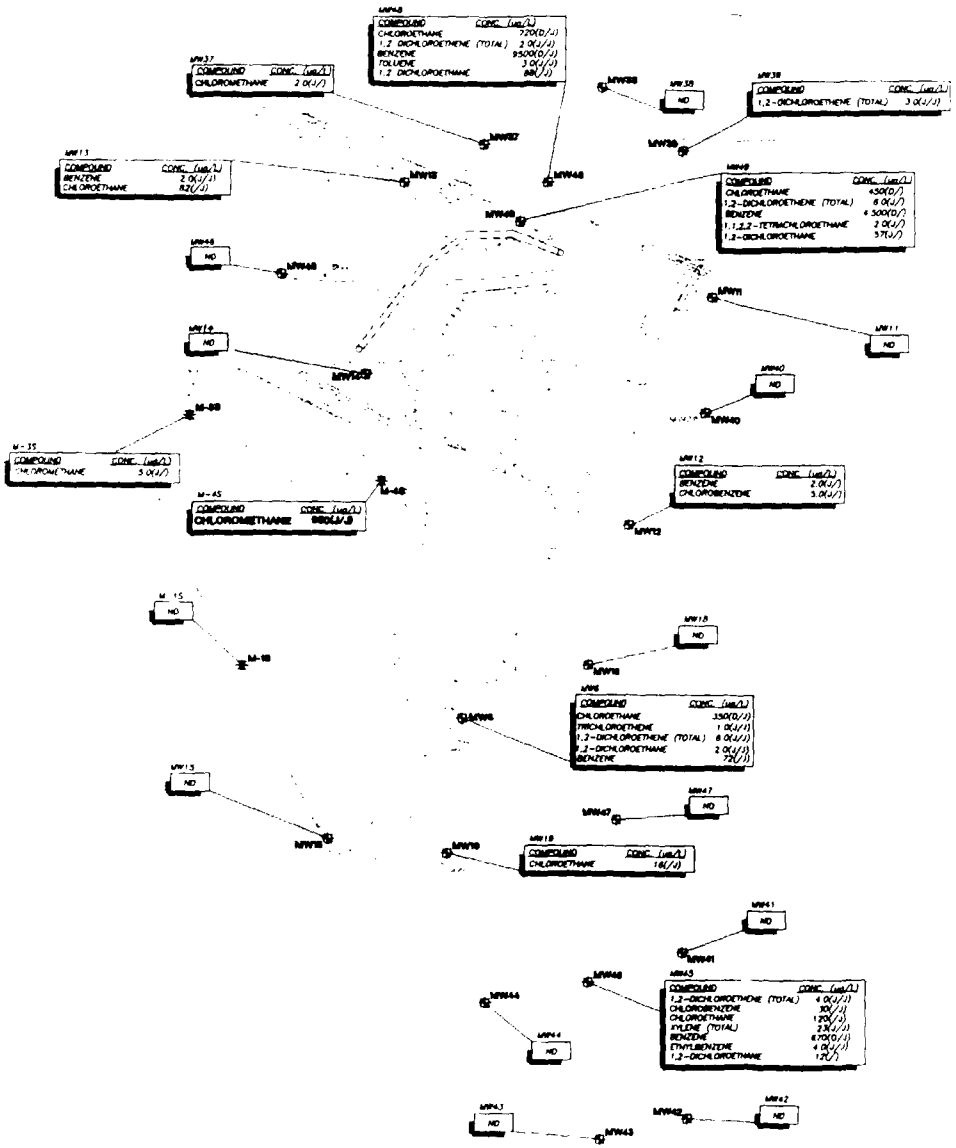


## LEGEND

| | |
|---|---|
| MW-12 | UPPER AQUIFER WELL LOCATION AND DESIGNATION |
| | LEACHATE (LOWER AQUIFER) WELL LOCATION AND DESIGNATION |
| ug/L | MICROGRAMS PER LITER |
| (J/) | INDICATES AN ESTIMATED VALUE (LAB) |
| (/J) | INDICATES AN ESTIMATED VALUE (VALIDATION) |
| (/) | INDICATES NO DATA QUALIFIER NECESSARY |
| ND | NO VOC DETECTED |
| | BARRIER WALL |
| | PERIMETER OF OPEN WATER (MEASURED [illegible]) |
| | GRIFFITH AQUIFER BOUNDARY |

## NOTE

THE CONCENTRATION AND ESTIMATED COMPOUND SHOWN IN BOLD REPRESENT MAXIMUM VALUES

north

0 500 1000

SCALE IN FEET

FIGURE 4

VOCs DETECTED IN UPPER AQUIFER MONITORING WELLS

4

MONTGOMERY WATSON

Management Review | Technical Review | Graphic Standards | QUALITY CONTROL

Other | Project Manager | P.N. | Lead Professional

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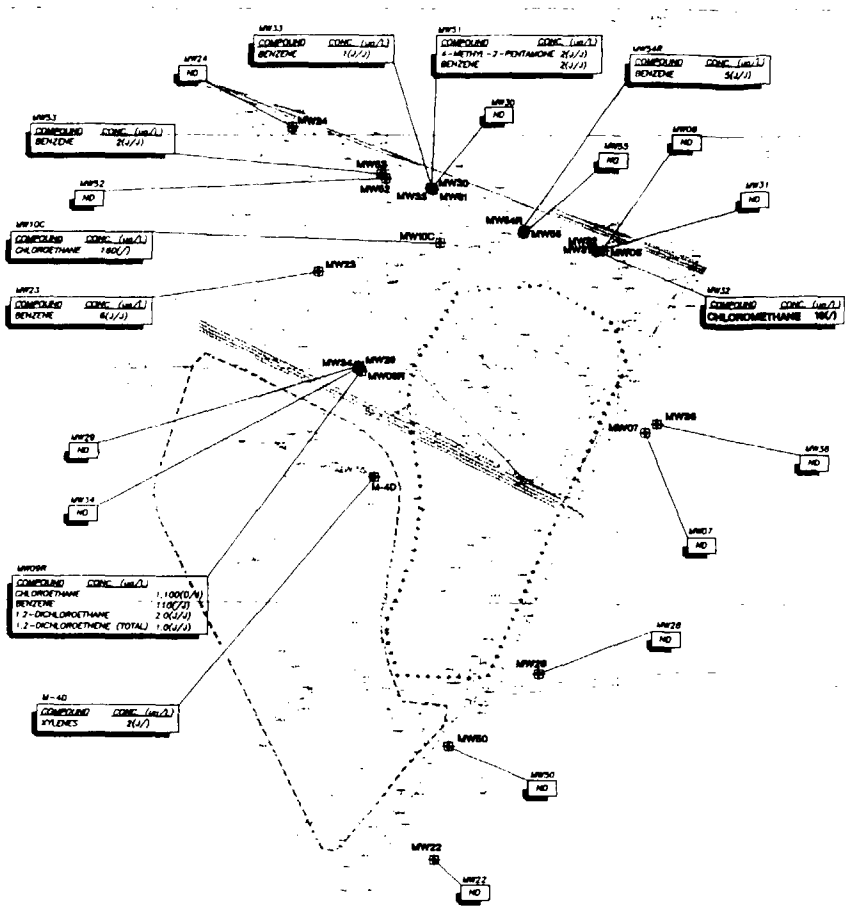


## LEGEND

| | |
|---|---|
| ⊕ 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 (VALIDATION) |
| (/) | INDICATES NO DATA QUALIFIER NECESSARY |
| 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 MAXIMUM CONCENTRATION

north

0 500 1000

SCALE IN FEET

FIGURE 5

VOCs DETECTED IN LOWER AQUIFER MONITORING WELLS

Drawing Number 5

MONTGOMERY WATSON

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

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A

# APPENDIX A

## COMPARISON OF JUNE 1998 RESULTS TO BASELINE MAXIMUM CONCENTRATIONS

# VOLATILE ORGANIC COMPOUNDS

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 10 |
| M-1S | 1,1,2,2-Tetrachloroethane | ug/L | 10 | | U | | 10 |
| M-1S | 1,1,2-Trichloroethane | ug/L | 10 | | U | | 10 |
| M-1S | 1,1-Dichloroethane | ug/L | 10 | | U | | 10 |
| M-1S | 1,1-Dichloroethene | ug/L | 10 | | U | | 10 |
| M-1S | 1,2-Dichloroethane | ug/L | 10 | | U | | 10 |
| M-1S | 1,2-Dichloroethene (total) | ug/L | 10 | | U | | 10 |
| M-1S | 1,2-Dichloropropane | ug/L | 10 | | U | | 10 |
| M-1S | 2-Butanone | ug/L | 10 | | U | | 10 |
| M-1S | 2-Hexanone | ug/L | 10 | | U | | 10 |
| M-1S | 4-Methyl-2-pentanone | ug/L | 10 | | U | | 10 |
| M-1S | Acetone | ug/L | 18 | | U | | 10 |
| M-1S | Benzene | ug/L | 10 | | U | | 10 |
| M-1S | Bromodichloromethane | ug/L | 10 | | J | UJ | 10 |
| M-1S | Bromoform | ug/L | 10 | | U | | 10 |
| M-1S | Bromomethane | ug/L | 10 | | U | | 10 |
| M-1S | Carbon disulfide | ug/L | 10 | | U | | 10 |
| M-1S | Carbon Tetrachloride | ug/L | 10 | | U | | 10 |
| M-1S | Chlorobenzene | ug/L | 10 | | U | | 10 |
| M-1S | Chloroethane | ug/L | 10 | | U | | 10 |
| M-1S | Chloroform | ug/L | 10 | | J | UJ | 10 |
| M-1S | Chloromethane | ug/L | 10 | | U | | 10 |
| M-1S | cis-1,3-Dichloropropene | ug/L | 10 | | U | | 10 |
| M-1S | Dibromochloromethane | ug/L | 10 | | U | | 10 |
| M-1S | Ethyl Benzene | ug/L | 10 | | U | | 10 |
| M-1S | Methylene chloride | ug/L | 10 | | U | | 10 |
| M-1S | Styrene | ug/L | 10 | | U | | 10 |
| M-1S | Tetrachloroethene | ug/L | 10 | | U | | 10 |
| M-1S | Toluene | ug/L | 10 | | U | | 10 |
| M-1S | trans-1,3-Dichloropropene | ug/L | 10 | | U | | 10 |
| M-1S | Trichloroethene | ug/L | 10 | | U | | 10 |
| M-1S | Vinyl chloride | ug/L | 10 | | U | | 10 |
| M-1S | Xylenes (total) | ug/L | 10 | | U | | 10 |
| M-3S | 1,1,1-Trichloroethane | ug/L | 10 | | U | | 10 |
| M-3S | 1,1,2,2-Tetrachloroethane | ug/L | 10 | | U | | 10 |
| M-3S | 1,1,2-Trichloroethane | ug/L | 10 | | U | | 10 |
| M-3S | 1,1-Dichloroethane | ug/L | 10 | | U | | 10 |
| M-3S | 1,1-Dichloroethene | ug/L | 10 | | U | | 10 |
| M-3S | 1,2-Dichloroethane | ug/L | 10 | | U | | 10 |
| M-3S | 1,2-Dichloroethene (total) | ug/L | 10 | | U | | 10 |
| M-3S | 1,2-Dichloropropane | ug/L | 10 | | U | | 10 |
| M-3S | 2-Butanone | ug/L | 10 | | U | | 10 |
| M-3S | 2-Hexanone | ug/L | 10 | | U | | 10 |
| M-3S | 4-Methyl-2-pentanone | ug/L | 10 | | U | | 10 |
| M-3S | Acetone | ug/L | 10 | | BJ | U | 10 |
| M-3S | Benzene | ug/L | 10 | | U | | 10 |
| M-3S | Bromodichloromethane | ug/L | 10 | | U | | 10 |
| M-3S | Bromoform | ug/L | 10 | | U | | 10 |
| M-3S | Bromomethane | ug/L | 10 | | U | UJ | 10 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 10 |
| M-3S | Carbon Tetrachloride | ug/L | 10 | | U | | 10 |
| M-3S | Chlorobenzene | ug/L | 10 | | U | | 10 |
| M-3S | Chloroethane | ug/L | 10 | | U | | 10 |
| M-3S | Chloroform | ug/L | 10 | | U | | 10 |
| M-3S | Chloromethane | ug/L | 10 | 5.0 | J | | 10 |
| M-3S | cis-1,3-Dichloropropene | ug/L | 10 | | U | | 10 |
| M-3S | Dibromochloromethane | ug/L | 10 | | U | | 10 |
| M-3S | Ethyl Benzene | ug/L | 10 | | U | | 10 |
| M-3S | Methylene chloride | ug/L | 10 | | BJ | U | 10 |
| M-3S | Styrene | ug/L | 10 | | U | | 10 |
| M-3S | Tetrachloroethene | ug/L | 10 | | U | | 10 |
| M-3S | Toluene | ug/L | 10 | | U | | 10 |
| M-3S | trans-1,3-Dichloropropene | ug/L | 10 | | U | | 10 |
| M-3S | Trichloroethene | ug/L | 10 | | U | | 10 |
| M-3S | Vinyl chloride | ug/L | 10 | | U | | 10 |
| M-3S | Xylenes (total) | ug/L | 10 | | U | | 10 |
| M-4D | 1,1,1-Trichloroethane | ug/L | 10 | | U | | 10 |
| M-4D | 1,1,2,2-Tetrachloroethane | ug/L | 10 | | U | | 10 |
| M-4D | 1,1,2-Trichloroethane | ug/L | 10 | | U | | 10 |
| M-4D | 1,1-Dichloroethane | ug/L | 10 | | U | | 10 |
| M-4D | 1,1-Dichloroethene | ug/L | 10 | | U | | 10 |
| M-4D | 1,2-Dichloroethane | ug/L | 10 | | U | | 10 |
| M-4D | 1,2-Dichloroethene (total) | ug/L | 10 | | U | | 10 |
| M-4D | 1,2-Dichloropropane | ug/L | 10 | | U | | 10 |
| M-4D | 2-Butanone | ug/L | 10 | | U | | 10 |
| M-4D | 2-Hexanone | ug/L | 10 | | U | | 10 |
| M-4D | 4-Methyl-2-pentanone | ug/L | 10 | | U | | 10 |
| M-4D | Acetone | ug/L | 10 | | U | UJ | 10 |
| M-4D | Benzene | ug/L | 10 | | U | | 10 |
| M-4D | Bromodichloromethane | ug/L | 10 | | U | | 10 |
| M-4D | Bromoform | ug/L | 10 | | U | | 10 |
| M-4D | Bromomethane | ug/L | 10 | | U | UJ | 10 |
| M-4D | Carbon disulfide | ug/L | 10 | | U | | 10 |
| M-4D | Carbon Tetrachloride | ug/L | 10 | | U | | 10 |
| M-4D | Chlorobenzene | ug/L | 10 | | U | | 10 |
| M-4D | Chloroethane | ug/L | 10 | | U | | 10 |
| M-4D | Chloroform | ug/L | 10 | | U | | 10 |
| M-4D | Chloromethane | ug/L | 10 | | U | | 10 |
| M-4D | cis-1,3-Dichloropropene | ug/L | 10 | | U | | 10 |
| M-4D | Dibromochloromethane | ug/L | 10 | | U | | 10 |
| M-4D | Ethyl Benzene | ug/L | 10 | | U | | 10 |
| M-4D | Methylene chloride | ug/L | 10 | | BJ | U | 10 |
| M-4D | Styrene | ug/L | 10 | | U | | 10 |
| M-4D | Tetrachloroethene | ug/L | 10 | | U | | 10 |
| M-4D | Toluene | ug/L | 10 | | U | | 10 |
| M-4D | trans-1,3-Dichloropropene | ug/L | 10 | | U | | 10 |
| M-4D | Trichloroethene | ug/L | 10 | | U | | 10 |
| M-4D | Vinyl chloride | ug/L | 10 | | U | | 10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | 2.0 | J | | 10 |
| M-4S | 1,1,1-Trichloroethane | ug/L | 100 | | U | | 2,500 |
| M-4S | 1,1,2,2-Tetrachloroethane | ug/L | 100 | | U | | 2,500 |
| M-4S | 1,1,2-Trichloroethane | ug/L | 100 | | U | | 2,500 |
| M-4S | 1,1-Dichloroethane | ug/L | 100 | | U | | 2,500 |
| M-4S | 1,1-Dichloroethene | ug/L | 100 | | U | | 2,500 |
| M-4S | 1,2-Dichloroethane | ug/L | 100 | | U | | 2,500 |
| M-4S | 1,2-Dichloroethene (total) | ug/L | 100 | | U | | 2,500 |
| M-4S | 1,2-Dichloropropane | ug/L | 100 | | U | | 2,500 |
| M-4S | 2-Butanone | ug/L | 100 | | U | | 2,500 |
| M-4S | 2-Hexanone | ug/L | 100 | | U | | 2,500 |
| M-4S | 4-Methyl-2-pentanone | ug/L | 100 | | U | | 2,500 |
| M-4S | Acetone | ug/L | 100 | | B | UJ | 5,800 |
| M-4S | Benzene | ug/L | 190 | | U | | 2,500 |
| M-4S | Bromodichloromethane | ug/L | 100 | | U | | 2,500 |
| M-4S | Bromoform | ug/L | 100 | | U | | 2,500 |
| M-4S | Bromomethane | ug/L | 100 | | U | UJ | 2,500 |
| M-4S | Carbon disulfide | ug/L | 100 | | U | | 2,500 |
| M-4S | Carbon Tetrachloride | ug/L | 100 | | U | | 2,500 |
| M-4S | Chlorobenzene | ug/L | 100 | | U | | 2,500 |
| M-4S | Chloroethane | ug/L | 1,300 | | U | | 2,500 |
| M-4S | Chloroform | ug/L | 100 | | U | | 2,500 |
| M-4S | Chloromethane | ug/L | 100 | **960** | J | J | 2,500 |
| M-4S | cis-1,3-Dichloropropene | ug/L | 100 | | U | | 2,500 |
| M-4S | Dibromochloromethane | ug/L | 100 | | U | | 2,500 |
| M-4S | Ethyl Benzene | ug/L | 100 | | U | | 2,500 |
| M-4S | Methylene chloride | ug/L | 100 | | BJ | UJ | 2,500 |
| M-4S | Styrene | ug/L | 100 | | U | | 2,500 |
| M-4S | Tetrachloroethene | ug/L | 100 | | U | | 2,500 |
| M-4S | Toluene | ug/L | 100 | | U | | 2,500 |
| M-4S | trans-1,3-Dichloropropene | ug/L | 100 | | U | | 2,500 |
| M-4S | Trichloroethene | ug/L | 100 | | U | | 2,500 |
| M-4S | Vinyl chloride | ug/L | 100 | | U | | 2,500 |
| M-4S | Xylenes (total) | ug/L | 100 | | U | | 2,500 |
| MW-06 | 1,1,1-Trichloroethane | ug/L | 50 | | U | UJ | 10 |
| MW-06 | 1,1,2,2-Tetrachloroethane | ug/L | 50 | | U | UJ | 10 |
| MW-06 | 1,1,2-Trichloroethane | ug/L | 50 | | U | UJ | 10 |
| MW-06 | 1,1-Dichloroethane | ug/L | 21 | | U | UJ | 10 |
| MW-06 | 1,1-Dichloroethene | ug/L | 50 | | U | UJ | 10 |
| MW-06 | 1,2-Dichloroethane | ug/L | 50 | 2.0 | J | J | 10 |
| MW-06 | 1,2-Dichloroethene (total) | ug/L | 26 | 6.0 | J | J | 10 |
| MW-06 | 1,2-Dichloropropane | ug/L | 50 | | U | UJ | 10 |
| MW-06 | 2-Butanone | ug/L | 50 | | U | UJ | 10 |
| MW-06 | 2-Hexanone | ug/L | 50 | | U | UJ | 10 |
| MW-06 | 4-Methyl-2-pentanone | ug/L | 50 | | U | UJ | 10 |
| MW-06 | Acetone | ug/L | 50 | | U | UJ | 10 |
| MW-06 | Benzene | ug/L | 320 | 72 | | J | 10 |
| MW-06 | Bromodichloromethane | ug/L | 50 | | U | UJ | 10 |
| MW-06 | Bromoform | ug/L | 50 | | U | UJ | 10 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | UJ | 10 |
| MW-06 | Carbon disulfide | ug/L | 50 | | U | UJ | 10 |
| MW-06 | Carbon Tetrachloride | ug/L | 50 | | U | UJ | 10 |
| MW-06 | Chlorobenzene | ug/L | 50 | | U | UJ | 10 |
| MW-06 | Chloroethane | ug/L | 720 | 350 | D | J | 10 |
| MW-06 | Chloroform | ug/L | 50 | | U | UJ | 10 |
| MW-06 | Chloromethane | ug/L | 50 | | U | UJ | 10 |
| MW-06 | cis-1,3-Dichloropropene | ug/L | 50 | | U | UJ | 10 |
| MW-06 | Dibromochloromethane | ug/L | 50 | | U | UJ | 10 |
| MW-06 | Ethyl Benzene | ug/L | 16 | | U | UJ | 10 |
| MW-06 | Methylene chloride | ug/L | 17 | | BJ | UJ | 10 |
| MW-06 | Styrene | ug/L | 50 | | U | UJ | 10 |
| MW-06 | Tetrachloroethene | ug/L | 50 | | U | UJ | 10 |
| MW-06 | Toluene | ug/L | 50 | | U | UJ | 10 |
| MW-06 | trans-1,3-Dichloropropene | ug/L | 50 | | U | UJ | 10 |
| MW-06 | Trichloroethene | ug/L | 50 | 1.0 | J | J | 10 |
| MW-06 | Vinyl chloride | ug/L | 50 | | U | UJ | 10 |
| MW-06 | Xylenes (total) | ug/L | 40 | | U | | 10 |
| MW-07 | 1,1,1-Trichloroethane | ug/L | 10 | | U | UJ | 10 |
| MW-07 | 1,1,2,2-Tetrachloroethane | ug/L | 10 | | U | UJ | 10 |
| MW-07 | 1,1,2-Trichloroethane | ug/L | 10 | | U | UJ | 10 |
| MW-07 | 1,1-Dichloroethane | ug/L | 10 | | U | UJ | 10 |
| MW-07 | 1,1-Dichloroethene | ug/L | 10 | | U | UJ | 10 |
| MW-07 | 1,2-Dichloroethane | ug/L | 10 | | U | UJ | 10 |
| MW-07 | 1,2-Dichloroethene (total) | ug/L | 10 | | U | UJ | 10 |
| MW-07 | 1,2-Dichloropropane | ug/L | 10 | | U | UJ | 10 |
| MW-07 | 2-Butanone | ug/L | 10 | | U | UJ | 10 |
| MW-07 | 2-Hexanone | ug/L | 10 | | U | UJ | 10 |
| MW-07 | 4-Methyl-2-pentanone | ug/L | 10 | | U | UJ | 10 |
| MW-07 | Acetone | ug/L | 24 | | U | UJ | 10 |
| MW-07 | Benzene | ug/L | 10 | | U | UJ | 10 |
| MW-07 | Bromodichloromethane | ug/L | 10 | | U | UJ | 10 |
| MW-07 | Bromoform | ug/L | 10 | | U | UJ | 10 |
| MW-07 | Bromomethane | ug/L | 10 | | U | UJ | 10 |
| MW-07 | Carbon disulfide | ug/L | 10 | | U | UJ | 10 |
| MW-07 | Carbon Tetrachloride | ug/L | 10 | | U | UJ | 10 |
| MW-07 | Chlorobenzene | ug/L | 10 | | U | UJ | 10 |
| MW-07 | Chloroethane | ug/L | 10 | | U | UJ | 10 |
| MW-07 | Chloroform | ug/L | 10 | | U | UJ | 10 |
| MW-07 | Chloromethane | ug/L | 10 | | U | UJ | 10 |
| MW-07 | cis-1,3-Dichloropropene | ug/L | 10 | | U | UJ | 10 |
| MW-07 | Dibromochloromethane | ug/L | 10 | | U | UJ | 10 |
| MW-07 | Ethyl Benzene | ug/L | 10 | | U | UJ | 10 |
| MW-07 | Methylene chloride | ug/L | 10 | | U | UJ | 10 |
| MW-07 | Styrene | ug/L | 10 | | U | UJ | 10 |
| MW-07 | Tetrachloroethene | ug/L | 10 | | U | UJ | 10 |
| MW-07 | Toluene | ug/L | 10 | | U | UJ | 10 |
| MW-07 | trans-1,3-Dichloropropene | ug/L | 10 | | U | UJ | 10 |
| MW-07 | Trichloroethene | ug/L | 10 | | U | UJ | 10 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | UJ | 10 |
| MW-07 | Xylenes (total) | ug/L | 10 | | U | UJ | 10 |
| MW-08 | 1,1,1-Trichloroethane | ug/L | 10 | | U | | 10 |
| MW-08 | 1,1,2,2-Tetrachloroethane | ug/L | 10 | | U | | 10 |
| MW-08 | 1,1,2-Trichloroethane | ug/L | 10 | | U | | 10 |
| MW-08 | 1,1-Dichloroethane | ug/L | 10 | | U | | 10 |
| MW-08 | 1,1-Dichloroethene | ug/L | 10 | | U | | 10 |
| MW-08 | 1,2-Dichloroethane | ug/L | 10 | | U | | 10 |
| MW-08 | 1,2-Dichloroethene (total) | ug/L | 10 | | U | | 10 |
| MW-08 | 1,2-Dichloropropane | ug/L | 10 | | U | | 10 |
| MW-08 | 2-Butanone | ug/L | 10 | | U | | 10 |
| MW-08 | 2-Hexanone | ug/L | 10 | | U | | 10 |
| MW-08 | 4-Methyl-2-pentanone | ug/L | 10 | | U | | 10 |
| MW-08 | Acetone | ug/L | 10 | | U | | 10 |
| MW-08 | Benzene | ug/L | 10 | | U | | 10 |
| MW-08 | Bromodichloromethane | ug/L | 10 | | U | | 10 |
| MW-08 | Bromoform | ug/L | 10 | | U | | 10 |
| MW-08 | Bromomethane | ug/L | 10 | | U | | 10 |
| MW-08 | Carbon disulfide | ug/L | 10 | | U | | 10 |
| MW-08 | Carbon Tetrachloride | ug/L | 10 | | U | | 10 |
| MW-08 | Chlorobenzene | ug/L | 10 | | U | | 10 |
| MW-08 | Chloroethane | ug/L | 10 | | U | | 10 |
| MW-08 | Chloroform | ug/L | 10 | | U | | 10 |
| MW-08 | Chloromethane | ug/L | 10 | | U | | 10 |
| MW-08 | cis-1,3-Dichloropropene | ug/L | 10 | | U | | 10 |
| MW-08 | Dibromochloromethane | ug/L | 10 | | U | | 10 |
| MW-08 | Ethyl Benzene | ug/L | 10 | | U | | 10 |
| MW-08 | Methylene chloride | ug/L | 10 | | U | | 10 |
| MW-08 | Styrene | ug/L | 10 | | U | | 10 |
| MW-08 | Tetrachloroethene | ug/L | 10 | | U | | 10 |
| MW-08 | Toluene | ug/L | 10 | | U | | 10 |
| MW-08 | trans-1,3-Dichloropropene | ug/L | 10 | | U | | 10 |
| MW-08 | Trichloroethene | ug/L | 10 | | U | | 10 |
| MW-08 | Vinyl chloride | ug/L | 10 | | U | | 10 |
| MW-08 | Xylenes (total) | ug/L | 10 | | U | | 10 |
| MW-09R | 1,1,1-Trichloroethane | ug/L | 200 | | U | UJ | 10 |
| MW-09R | 1,1,2,2-Tetrachloroethane | ug/L | 200 | | U | UJ | 10 |
| MW-09R | 1,1,2-Trichloroethane | ug/L | 200 | | U | UJ | 10 |
| MW-09R | 1,1-Dichloroethane | ug/L | 200 | | U | UJ | 10 |
| MW-09R | 1,1-Dichloroethene | ug/L | 200 | | JB | UJ | 10 |
| MW-09R | 1,2-Dichloroethane | ug/L | 200 | 2.0 | J | J | 10 |
| MW-09R | 1,2-Dichloroethene (total) | ug/L | 200 | 1.0 | J | J | 10 |
| MW-09R | 1,2-Dichloropropane | ug/L | 200 | | U | UJ | 10 |
| MW-09R | 2-Butanone | ug/L | 200 | | U | UJ | 10 |
| MW-09R | 2-Hexanone | ug/L | 200 | | U | UJ | 10 |
| MW-09R | 4-Methyl-2-pentanone | ug/L | 200 | | U | UJ | 10 |
| MW-09R | Acetone | ug/L | 200 | | U | UJ | 10 |
| MW-09R | Benzene | ug/L | 310 | 110 | | J | 10 |
| MW-09R | Bromodichloromethane | ug/L | 200 | | U | UJ | 10 |

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# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| Well | Analyte | Units | Highest Detection | CurrentEvent | | | |
|---|---|---|---|---|---|---|---|
| | | | | Result | LQ | DQ | Detect Limit |
| MW-09R | Bromoform | ug/L | 200 | | U | UJ | 10 |
| MW-09R | Bromomethane | ug/L | 200 | | U | UJ | 10 |
| MW-09R | Carbon disulfide | ug/L | 200 | | U | UJ | 10 |
| MW-09R | Carbon Tetrachloride | ug/L | 200 | | U | UJ | 10 |
| MW-09R | Chlorobenzene | ug/L | 200 | | U | UJ | 10 |
| MW-09R | Chloroethane | ug/L | 2,900 | 1,100 | D | J | 10 |
| MW-09R | Chloroform | ug/L | 200 | | U | UJ | 10 |
| MW-09R | Chloromethane | ug/L | 200 | | U | UJ | 10 |
| MW-09R | cis-1,3-Dichloropropene | ug/L | 200 | | U | UJ | 10 |
| MW-09R | Dibromochloromethane | ug/L | 200 | | U | UJ | 10 |
| MW-09R | Ethyl Benzene | ug/L | 200 | | U | UJ | 10 |
| MW-09R | Methylene chloride | ug/L | 200 | | J | UJ | 10 |
| MW-09R | Styrene | ug/L | 200 | | U | UJ | 10 |
| MW-09R | Tetrachloroethene | ug/L | 200 | | U | UJ | 10 |
| MW-09R | Toluene | ug/L | 200 | | U | UJ | 10 |
| MW-09R | trans-1,3-Dichloropropene | ug/L | 200 | | U | UJ | 10 |
| MW-09R | Trichloroethene | ug/L | 200 | | U | UJ | 10 |
| MW-09R | Vinyl chloride | ug/L | 200 | 4.0 | U | J | 10 |
| MW-09R | Xylenes (total) | ug/L | 200 | | U | UJ | 10 |
| MW-10C | 1,1,1-Trichloroethane | ug/L | 150 | | U | | 10 |
| MW-10C | 1,1,2,2-Tetrachloroethane | ug/L | 150 | | U | | 10 |
| MW-10C | 1,1,2-Trichloroethane | ug/L | 150 | | U | | 10 |
| MW-10C | 1,1-Dichloroethane | ug/L | 150 | | U | | 10 |
| MW-10C | 1,1-Dichloroethene | ug/L | 150 | | U | | 10 |
| MW-10C | 1,2-Dichloroethane | ug/L | 150 | | U | | 10 |
| MW-10C | 1,2-Dichloroethene (total) | ug/L | 150 | | U | | 10 |
| MW-10C | 1,2-Dichloropropane | ug/L | 150 | | U | | 10 |
| MW-10C | 2-Butanone | ug/L | 150 | | U | | 10 |
| MW-10C | 2-Hexanone | ug/L | 150 | | U | UJ | 10 |
| MW-10C | 4-Methyl-2-pentanone | ug/L | 150 | | U | | 10 |
| MW-10C | Acetone | ug/L | 150 | | BJ | UJ | 10 |
| MW-10C | Benzene | ug/L | 150 | | U | | 10 |
| MW-10C | Bromodichloromethane | ug/L | 150 | | U | | 10 |
| MW-10C | Bromoform | ug/L | 150 | | U | | 10 |
| MW-10C | Bromomethane | ug/L | 150 | | U | | 10 |
| MW-10C | Carbon disulfide | ug/L | 150 | | U | | 10 |
| MW-10C | Carbon Tetrachloride | ug/L | 150 | | U | | 10 |
| MW-10C | Chlorobenzene | ug/L | 150 | | U | | 10 |
| MW-10C | Chloroethane | ug/L | 420 | 160 | | | 10 |
| MW-10C | Chloroform | ug/L | 150 | | U | | 10 |
| MW-10C | Chloromethane | ug/L | 150 | | U | | 10 |
| MW-10C | cis-1,3-Dichloropropene | ug/L | 150 | | U | | 10 |
| MW-10C | Dibromochloromethane | ug/L | 150 | | U | | 10 |
| MW-10C | Ethyl Benzene | ug/L | 150 | | U | | 10 |
| MW-10C | Methylene chloride | ug/L | 128 | | BJ | UJ | 10 |
| MW-10C | Styrene | ug/L | 150 | | U | | 10 |
| MW-10C | Tetrachloroethene | ug/L | 150 | | U | | 10 |
| MW-10C | Toluene | ug/L | 150 | | U | | 10 |
| MW-10C | trans-1,3-Dichloropropene | ug/L | 150 | | U | | 10 |

**BOLD** = Exceedance
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# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| Well | Analyte | Units | Highest Detection | CurrentEvent | | | |
|---|---|---|---|---|---|---|---|
| | | | | Result | LQ | DQ | Detect Limit |
| MW-10C | Trichloroethene | ug/L | 150 | | U | | 10 |
| MW-10C | Vinyl chloride | ug/L | 129 | | U | | 10 |
| MW-10C | Xylenes (total) | ug/L | 150 | | U | | 10 |
| MW-11 | 1,1,1-Trichloroethane | ug/L | 10 | | U | | 10 |
| MW-11 | 1,1,2,2-Tetrachloroethane | ug/L | 10 | | U | | 10 |
| MW-11 | 1,1,2-Trichloroethane | ug/L | 10 | | U | | 10 |
| MW-11 | 1,1-Dichloroethane | ug/L | 10 | | U | | 10 |
| MW-11 | 1,1-Dichloroethene | ug/L | 10 | | U | | 10 |
| MW-11 | 1,2-Dichloroethane | ug/L | 10 | | U | | 10 |
| MW-11 | 1,2-Dichloroethene (total) | ug/L | 10 | | U | | 10 |
| MW-11 | 1,2-Dichloropropane | ug/L | 10 | | U | | 10 |
| MW-11 | 2-Butanone | ug/L | 10 | | U | | 10 |
| MW-11 | 2-Hexanone | ug/L | 10 | | U | | 10 |
| MW-11 | 4-Methyl-2-pentanone | ug/L | 10 | | U | | 10 |
| MW-11 | Acetone | ug/L | 10 | | U | | 10 |
| MW-11 | Benzene | ug/L | 10 | | U | | 10 |
| MW-11 | Bromodichloromethane | ug/L | 10 | | U | | 10 |
| MW-11 | Bromoform | ug/L | 10 | | U | | 10 |
| MW-11 | Bromomethane | ug/L | 10 | | U | | 10 |
| MW-11 | Carbon disulfide | ug/L | 10 | | U | | 10 |
| MW-11 | Carbon Tetrachloride | ug/L | 10 | | U | | 10 |
| MW-11 | Chlorobenzene | ug/L | 10 | | U | | 10 |
| MW-11 | Chloroethane | ug/L | 10 | | U | | 10 |
| MW-11 | Chloroform | ug/L | 10 | | U | | 10 |
| MW-11 | Chloromethane | ug/L | 10 | | U | | 10 |
| MW-11 | cis-1,3-Dichloropropene | ug/L | 10 | | U | | 10 |
| MW-11 | Dibromochloromethane | ug/L | 10 | | U | | 10 |
| MW-11 | Ethyl Benzene | ug/L | 10 | | U | | 10 |
| MW-11 | Methylene chloride | ug/L | 10 | | U | | 10 |
| MW-11 | Styrene | ug/L | 10 | | U | | 10 |
| MW-11 | Tetrachloroethene | ug/L | 10 | | U | | 10 |
| MW-11 | Toluene | ug/L | 10 | | U | | 10 |
| MW-11 | trans-1,3-Dichloropropene | ug/L | 10 | | U | | 10 |
| MW-11 | Trichloroethene | ug/L | 10 | | U | | 10 |
| MW-11 | Vinyl chloride | ug/L | 10 | | U | | 10 |
| MW-11 | Xylenes (total) | ug/L | 10 | | U | | 10 |
| MW-12 | 1,1,1-Trichloroethane | ug/L | 10 | | U | | 10 |
| MW-12 | 1,1,2,2-Tetrachloroethane | ug/L | 10 | | U | | 10 |
| MW-12 | 1,1,2-Trichloroethane | ug/L | 10 | | U | | 10 |
| MW-12 | 1,1-Dichloroethane | ug/L | 10 | | U | | 10 |
| MW-12 | 1,1-Dichloroethene | ug/L | 10 | | JB | U | 10 |
| MW-12 | 1,2-Dichloroethane | ug/L | 10 | | U | | 10 |
| MW-12 | 1,2-Dichloroethene (total) | ug/L | 10 | | U | | 10 |
| MW-12 | 1,2-Dichloropropane | ug/L | 10 | | U | | 10 |
| MW-12 | 2-Butanone | ug/L | 10 | | U | | 10 |
| MW-12 | 2-Hexanone | ug/L | 10 | | U | | 10 |
| MW-12 | 4-Methyl-2-pentanone | ug/L | 10 | | U | | 10 |
| MW-12 | Acetone | ug/L | 19 | | U | | 10 |
| MW-12 | Benzene | ug/L | 10 | 2.0 | J | | 10 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| Well | Analyte | Units | Highest Detection | CurrentEvent | | | |
|---|---|---|---|---|---|---|---|
| | | | | Result | LQ | DQ | Detect Limit |
| MW-12 | Bromodichloromethane | ug/L | 10 | | U | | 10 |
| MW-12 | Bromoform | ug/L | 10 | | U | | 10 |
| MW-12 | Bromomethane | ug/L | 10 | | U | | 10 |
| MW-12 | Carbon disulfide | ug/L | 10 | | U | | 10 |
| MW-12 | Carbon Tetrachloride | ug/L | 10 | | U | | 10 |
| MW-12 | Chlorobenzene | ug/L | 10 | 5.0 | J | | 10 |
| MW-12 | Chloroethane | ug/L | 10 | | U | | 10 |
| MW-12 | Chloroform | ug/L | 10 | | U | | 10 |
| MW-12 | Chloromethane | ug/L | 10 | | U | | 10 |
| MW-12 | cis-1,3-Dichloropropene | ug/L | 10 | | U | | 10 |
| MW-12 | Dibromochloromethane | ug/L | 10 | | U | | 10 |
| MW-12 | Ethyl Benzene | ug/L | 10 | | U | | 10 |
| MW-12 | Methylene chloride | ug/L | 10 | | U | | 10 |
| MW-12 | Styrene | ug/L | 10 | | U | | 10 |
| MW-12 | Tetrachloroethene | ug/L | 10 | | U | | 10 |
| MW-12 | Toluene | ug/L | 10 | | U | | 10 |
| MW-12 | trans-1,3-Dichloropropene | ug/L | 10 | | U | | 10 |
| MW-12 | Trichloroethene | ug/L | 10 | | U | | 10 |
| MW-12 | Vinyl chloride | ug/L | 10 | | U | | 10 |
| MW-12 | Xylenes (total) | ug/L | 10 | | U | | 10 |
| MW-13 | 1,1,1-Trichloroethane | ug/L | 50 | | U | UJ | 10 |
| MW-13 | 1,1,2,2-Tetrachloroethane | ug/L | 50 | | U | UJ | 10 |
| MW-13 | 1,1,2-Trichloroethane | ug/L | 50 | | U | UJ | 10 |
| MW-13 | 1,1-Dichloroethane | ug/L | 50 | | U | UJ | 10 |
| MW-13 | 1,1-Dichloroethene | ug/L | 50 | | JB | UJ | 10 |
| MW-13 | 1,2-Dichloroethane | ug/L | 50 | | U | UJ | 10 |
| MW-13 | 1,2-Dichloroethene (total) | ug/L | 50 | | U | UJ | 10 |
| MW-13 | 1,2-Dichloropropane | ug/L | 50 | | U | UJ | 10 |
| MW-13 | 2-Butanone | ug/L | 50 | | U | UJ | 10 |
| MW-13 | 2-Hexanone | ug/L | 50 | | U | UJ | 10 |
| MW-13 | 4-Methyl-2-pentanone | ug/L | 50 | | U | UJ | 10 |
| MW-13 | Acetone | ug/L | 50 | | U | UJ | 10 |
| MW-13 | Benzene | ug/L | 610 | 2.0 | J | J | 10 |
| MW-13 | Bromodichloromethane | ug/L | 50 | | U | UJ | 10 |
| MW-13 | Bromoform | ug/L | 50 | | U | UJ | 10 |
| MW-13 | Bromomethane | ug/L | 50 | | U | UJ | 10 |
| MW-13 | Carbon disulfide | ug/L | 50 | | U | UJ | 10 |
| MW-13 | Carbon Tetrachloride | ug/L | 50 | | U | UJ | 10 |
| MW-13 | Chlorobenzene | ug/L | 50 | | U | UJ | 10 |
| MW-13 | Chloroethane | ug/L | 570 | 82 | | J | 10 |
| MW-13 | Chloroform | ug/L | 50 | | U | UJ | 10 |
| MW-13 | Chloromethane | ug/L | 50 | | U | UJ | 10 |
| MW-13 | cis-1,3-Dichloropropene | ug/L | 50 | | U | UJ | 10 |
| MW-13 | Dibromochloromethane | ug/L | 50 | | U | UJ | 10 |
| MW-13 | Ethyl Benzene | ug/L | 50 | | U | UJ | 10 |
| MW-13 | Methylene chloride | ug/L | 50 | | U | UJ | 10 |
| MW-13 | Styrene | ug/L | 50 | | U | UJ | 10 |
| MW-13 | Tetrachloroethene | ug/L | 50 | | U | UJ | 10 |
| MW-13 | Toluene | ug/L | 50 | | U | UJ | 10 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

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

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

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

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

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

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| Well | Analyte | Units | Highest Detection | CurrentEvent | | | |
|---|---|---|---|---|---|---|---|
| | | | | Result | LQ | DQ | Detect Limit |
| MW-22 | Acetone | ug/L | 10 | | U | | 10 |
| MW-22 | Benzene | ug/L | 10 | | U | | 10 |
| MW-22 | Bromodichloromethane | ug/L | 10 | | U | | 10 |
| MW-22 | Bromoform | ug/L | 10 | | U | | 10 |
| MW-22 | Bromomethane | ug/L | 10 | | U | | 10 |
| MW-22 | Carbon disulfide | ug/L | 10 | | U | | 10 |
| MW-22 | Carbon Tetrachloride | ug/L | 10 | | U | | 10 |
| MW-22 | Chlorobenzene | ug/L | 10 | | U | | 10 |
| MW-22 | Chloroethane | ug/L | 10 | | U | | 10 |
| MW-22 | Chloroform | ug/L | 10 | | U | | 10 |
| MW-22 | Chloromethane | ug/L | 10 | | U | | 10 |
| MW-22 | cis-1,3-Dichloropropene | ug/L | 10 | | U | | 10 |
| MW-22 | Dibromochloromethane | ug/L | 10 | | U | | 10 |
| MW-22 | Ethyl Benzene | ug/L | 10 | | U | | 10 |
| MW-22 | Methylene chloride | ug/L | 10 | | U | | 10 |
| MW-22 | Styrene | ug/L | 10 | | U | | 10 |
| MW-22 | Tetrachloroethene | ug/L | 10 | | U | | 10 |
| MW-22 | Toluene | ug/L | 10 | | U | | 10 |
| MW-22 | trans-1,3-Dichloropropene | ug/L | 10 | | U | | 10 |
| MW-22 | Trichloroethene | ug/L | 10 | | U | | 10 |
| MW-22 | Vinyl chloride | ug/L | 10 | | U | | 10 |
| MW-22 | Xylenes (total) | ug/L | 10 | | U | | 10 |
| MW-23 | 1,1,1-Trichloroethane | ug/L | 10 | | U | UJ | 10 |
| MW-23 | 1,1,2,2-Tetrachloroethane | ug/L | 10 | | U | UJ | 10 |
| MW-23 | 1,1,2-Trichloroethane | ug/L | 10 | | U | UJ | 10 |
| MW-23 | 1,1-Dichloroethane | ug/L | 10 | | U | UJ | 10 |
| MW-23 | 1,1-Dichloroethene | ug/L | 10 | | JB | UJ | 10 |
| MW-23 | 1,2-Dichloroethane | ug/L | 10 | | U | UJ | 10 |
| MW-23 | 1,2-Dichloroethene (total) | ug/L | 10 | | U | UJ | 10 |
| MW-23 | 1,2-Dichloropropane | ug/L | 10 | | U | UJ | 10 |
| MW-23 | 2-Butanone | ug/L | 10 | | U | UJ | 10 |
| MW-23 | 2-Hexanone | ug/L | 10 | | U | UJ | 10 |
| MW-23 | 4-Methyl-2-pentanone | ug/L | 10 | | U | UJ | 10 |
| MW-23 | Acetone | ug/L | 10 | | U | UJ | 10 |
| MW-23 | Benzene | ug/L | 10 | 6.0 | J | J | 10 |
| MW-23 | Bromodichloromethane | ug/L | 10 | | U | UJ | 10 |
| MW-23 | Bromoform | ug/L | 10 | | U | UJ | 10 |
| MW-23 | Bromomethane | ug/L | 10 | | U | UJ | 10 |
| MW-23 | Carbon disulfide | ug/L | 10 | | U | UJ | 10 |
| MW-23 | Carbon Tetrachloride | ug/L | 10 | | U | UJ | 10 |
| MW-23 | Chlorobenzene | ug/L | 10 | | U | UJ | 10 |
| MW-23 | Chloroethane | ug/L | 10 | | U | UJ | 10 |
| MW-23 | Chloroform | ug/L | 10 | | U | UJ | 10 |
| MW-23 | Chloromethane | ug/L | 10 | | U | UJ | 10 |
| MW-23 | cis-1,3-Dichloropropene | ug/L | 10 | | U | UJ | 10 |
| MW-23 | Dibromochloromethane | ug/L | 10 | | U | UJ | 10 |
| MW-23 | Ethyl Benzene | ug/L | 10 | | U | UJ | 10 |
| MW-23 | Methylene chloride | ug/L | 10 | | U | UJ | 10 |
| MW-23 | Styrene | ug/L | 10 | | U | UJ | 10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

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

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

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

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

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

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| Well | Analyte | Units | Highest Detection | CurrentEvent | | | |
|---|---|---|---|---|---|---|---|
| | | | | Result | LQ | DQ | Detect Limit |
| MW-31 | 2-Hexanone | ug/L | 10 | | U | | 10 |
| MW-31 | 4-Methyl-2-pentanone | ug/L | 10 | | U | | 10 |
| MW-31 | Acetone | ug/L | 10 | | BJ | UJ | 10 |
| MW-31 | Benzene | ug/L | 10 | | U | | 10 |
| MW-31 | Bromodichloromethane | ug/L | 10 | | U | | 10 |
| MW-31 | Bromoform | ug/L | 10 | | U | | 10 |
| MW-31 | Bromomethane | ug/L | 10 | | U | | 10 |
| MW-31 | Carbon disulfide | ug/L | 10 | | U | | 10 |
| MW-31 | Carbon Tetrachloride | ug/L | 10 | | U | | 10 |
| MW-31 | Chlorobenzene | ug/L | 10 | | U | | 10 |
| MW-31 | Chloroethane | ug/L | 10 | | U | | 10 |
| MW-31 | Chloroform | ug/L | 10 | | U | | 10 |
| MW-31 | Chloromethane | ug/L | 10 | | U | | 10 |
| MW-31 | cis-1,3-Dichloropropene | ug/L | 10 | | U | | 10 |
| MW-31 | Dibromochloromethane | ug/L | 10 | | U | | 10 |
| MW-31 | Ethyl Benzene | ug/L | 10 | | U | | 10 |
| MW-31 | Methylene chloride | ug/L | 10 | | BJ | UJ | 10 |
| MW-31 | Styrene | ug/L | 10 | | U | | 10 |
| MW-31 | Tetrachloroethene | ug/L | 10 | | U | | 10 |
| MW-31 | Toluene | ug/L | 10 | | U | | 10 |
| MW-31 | trans-1,3-Dichloropropene | ug/L | 10 | | U | | 10 |
| MW-31 | Trichloroethene | ug/L | 10 | | U | | 10 |
| MW-31 | Vinyl chloride | ug/L | 10 | | U | | 10 |
| MW-31 | Xylenes (total) | ug/L | 10 | | U | | 10 |
| MW-32 | 1,1,1-Trichloroethane | ug/L | 10 | | U | | 10 |
| MW-32 | 1,1,2,2-Tetrachloroethane | ug/L | 10 | | U | | 10 |
| MW-32 | 1,1,2-Trichloroethane | ug/L | 10 | | U | | 10 |
| MW-32 | 1,1-Dichloroethane | ug/L | 10 | | U | | 10 |
| MW-32 | 1,1-Dichloroethene | ug/L | 10 | | U | | 10 |
| MW-32 | 1,2-Dichloroethane | ug/L | 10 | | U | | 10 |
| MW-32 | 1,2-Dichloroethene (total) | ug/L | 10 | | U | | 10 |
| MW-32 | 1,2-Dichloropropane | ug/L | 10 | | U | | 10 |
| MW-32 | 2-Butanone | ug/L | 10 | | U | | 10 |
| MW-32 | 2-Hexanone | ug/L | 10 | | U | | 10 |
| MW-32 | 4-Methyl-2-pentanone | ug/L | 10 | | U | | 10 |
| MW-32 | Acetone | ug/L | 10 | | BJ | UJ | 10 |
| MW-32 | Benzene | ug/L | 10 | | U | | 10 |
| MW-32 | Bromodichloromethane | ug/L | 10 | | U | | 10 |
| MW-32 | Bromoform | ug/L | 10 | | U | | 10 |
| MW-32 | Bromomethane | ug/L | 10 | | U | UJ | 10 |
| MW-32 | Carbon disulfide | ug/L | 10 | | U | | 10 |
| MW-32 | Carbon Tetrachloride | ug/L | 10 | | U | | 10 |
| MW-32 | Chlorobenzene | ug/L | 10 | | U | | 10 |
| MW-32 | Chloroethane | ug/L | 10 | | U | | 10 |
| MW-32 | Chloroform | ug/L | 10 | | J | UJ | 10 |
| MW-32 | Chloromethane | ug/L | 10 | **16** | | | 10 |
| MW-32 | cis-1,3-Dichloropropene | ug/L | 10 | | U | | 10 |
| MW-32 | Dibromochloromethane | ug/L | 10 | | U | | 10 |
| MW-32 | Ethyl Benzene | ug/L | 10 | | U | | 10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

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

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

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

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

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

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

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

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

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

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

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

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

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

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| Well | Analyte | Units | Highest Detection | CurrentEvent | | | |
|---|---|---|---|---|---|---|---|
| | | | | Result | LQ | DQ | Detect Limit |
| MW-44 | 1,2-Dichloroethane | ug/L | 10 | | U | UJ | 10 |
| MW-44 | 1,2-Dichloroethene (total) | ug/L | 10 | | U | UJ | 10 |
| MW-44 | 1,2-Dichloropropane | ug/L | 10 | | U | UJ | 10 |
| MW-44 | 2-Butanone | ug/L | 10 | | U | UJ | 10 |
| MW-44 | 2-Hexanone | ug/L | 10 | | U | UJ | 10 |
| MW-44 | 4-Methyl-2-pentanone | ug/L | 10 | | U | UJ | 10 |
| MW-44 | Acetone | ug/L | 10 | | U | UJ | 10 |
| MW-44 | Benzene | ug/L | 10 | | U | UJ | 10 |
| MW-44 | Bromodichloromethane | ug/L | 10 | | U | UJ | 10 |
| MW-44 | Bromoform | ug/L | 10 | | U | UJ | 10 |
| MW-44 | Bromomethane | ug/L | 10 | | U | UJ | 10 |
| MW-44 | Carbon disulfide | ug/L | 10 | | U | UJ | 10 |
| MW-44 | Carbon Tetrachloride | ug/L | 10 | | U | UJ | 10 |
| MW-44 | Chlorobenzene | ug/L | 10 | | U | UJ | 10 |
| MW-44 | Chloroethane | ug/L | 10 | | U | UJ | 10 |
| MW-44 | Chloroform | ug/L | 10 | | U | UJ | 10 |
| MW-44 | Chloromethane | ug/L | 10 | | U | UJ | 10 |
| MW-44 | cis-1,3-Dichloropropene | ug/L | 10 | | U | UJ | 10 |
| MW-44 | Dibromochloromethane | ug/L | 10 | | U | UJ | 10 |
| MW-44 | Ethyl Benzene | ug/L | 10 | | U | UJ | 10 |
| MW-44 | Methylene chloride | ug/L | 10 | | U | UJ | 10 |
| MW-44 | Styrene | ug/L | 10 | | U | UJ | 10 |
| MW-44 | Tetrachloroethene | ug/L | 10 | | U | UJ | 10 |
| MW-44 | Toluene | ug/L | 10 | | U | UJ | 10 |
| MW-44 | trans-1,3-Dichloropropene | ug/L | 10 | | U | UJ | 10 |
| MW-44 | Trichloroethene | ug/L | 10 | | U | UJ | 10 |
| MW-44 | Vinyl chloride | ug/L | 10 | | U | UJ | 10 |
| MW-44 | Xylenes (total) | ug/L | 10 | | U | UJ | 10 |
| MW-45 | 1,1,1-Trichloroethane | ug/L | 80 | | U | UJ | 10 |
| MW-45 | 1,1,2,2-Tetrachloroethane | ug/L | 80 | | U | UJ | 10 |
| MW-45 | 1,1,2-Trichloroethane | ug/L | 80 | | U | UJ | 10 |
| MW-45 | 1,1-Dichloroethane | ug/L | 80 | | U | UJ | 10 |
| MW-45 | 1,1-Dichloroethene | ug/L | 80 | | U | UJ | 10 |
| MW-45 | 1,2-Dichloroethane | ug/L | 80 | 12 | | | 10 |
| MW-45 | 1,2-Dichloroethene (total) | ug/L | 80 | 4.0 | J | J | 10 |
| MW-45 | 1,2-Dichloropropane | ug/L | 80 | | U | UJ | 10 |
| MW-45 | 2-Butanone | ug/L | 120 | | U | UJ | 10 |
| MW-45 | 2-Hexanone | ug/L | 120 | | U | UJ | 10 |
| MW-45 | 4-Methyl-2-pentanone | ug/L | 120 | | U | UJ | 10 |
| MW-45 | Acetone | ug/L | 170 | | U | UJ | 10 |
| MW-45 | Benzene | ug/L | 1,045 | 670 | D | J | 50 |
| MW-45 | Bromodichloromethane | ug/L | 80 | | U | UJ | 10 |
| MW-45 | Bromoform | ug/L | 80 | | U | UJ | 10 |
| MW-45 | Bromomethane | ug/L | 80 | | U | UJ | 10 |
| MW-45 | Carbon disulfide | ug/L | 80 | | U | UJ | 10 |
| MW-45 | Carbon Tetrachloride | ug/L | 80 | | U | UJ | 10 |
| MW-45 | Chlorobenzene | ug/L | 80 | 30 | | J | 10 |
| MW-45 | Chloroethane | ug/L | 215 | 120 | | J | 10 |
| MW-45 | Chloroform | ug/L | 80 | | U | UJ | 10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| Well | Analyte | Units | Highest Detection | CurrentEvent | | | |
|---|---|---|---|---|---|---|---|
| | | | | Result | LQ | DQ | Detect Limit |
| MW-45 | Chloromethane | ug/L | 80 | | U | UJ | 10 |
| MW-45 | cis-1,3-Dichloropropene | ug/L | 80 | | U | UJ | 10 |
| MW-45 | Dibromochloromethane | ug/L | 80 | | U | UJ | 10 |
| MW-45 | Ethyl Benzene | ug/L | 80 | 4.0 | J | J | 10 |
| MW-45 | Methylene chloride | ug/L | 80 | | U | UJ | 10 |
| MW-45 | Styrene | ug/L | 80 | | U | UJ | 10 |
| MW-45 | Tetrachloroethene | ug/L | 80 | | U | UJ | 10 |
| MW-45 | Toluene | ug/L | 80 | | U | UJ | 10 |
| MW-45 | trans-1,3-Dichloropropene | ug/L | 80 | | U | UJ | 10 |
| MW-45 | Trichloroethene | ug/L | 80 | | U | UJ | 10 |
| MW-45 | Vinyl chloride | ug/L | 80 | | U | UJ | 10 |
| MW-45 | Xylenes (total) | ug/L | 280 | 23 | J | J | 10 |
| MW-46 | 1,1,1-Trichloroethane | ug/L | 10 | | U | UJ | 10 |
| MW-46 | 1,1,2,2-Tetrachloroethane | ug/L | 10 | | U | UJ | 10 |
| MW-46 | 1,1,2-Trichloroethane | ug/L | 10 | | U | UJ | 10 |
| MW-46 | 1,1-Dichloroethane | ug/L | 10 | | U | UJ | 10 |
| MW-46 | 1,1-Dichloroethene | ug/L | 10 | | U | UJ | 10 |
| MW-46 | 1,2-Dichloroethane | ug/L | 10 | | U | UJ | 10 |
| MW-46 | 1,2-Dichloroethene (total) | ug/L | 10 | | U | UJ | 10 |
| MW-46 | 1,2-Dichloropropane | ug/L | 10 | | U | UJ | 10 |
| MW-46 | 2-Butanone | ug/L | 10 | | U | UJ | 10 |
| MW-46 | 2-Hexanone | ug/L | 10 | | U | UJ | 10 |
| MW-46 | 4-Methyl-2-pentanone | ug/L | 10 | | U | UJ | 10 |
| MW-46 | Acetone | ug/L | 10 | | U | UJ | 10 |
| MW-46 | Benzene | ug/L | 10 | | U | UJ | 10 |
| MW-46 | Bromodichloromethane | ug/L | 10 | | U | UJ | 10 |
| MW-46 | Bromoform | ug/L | 10 | | U | UJ | 10 |
| MW-46 | Bromomethane | ug/L | 10 | | U | UJ | 10 |
| MW-46 | Carbon disulfide | ug/L | 10 | | U | UJ | 10 |
| MW-46 | Carbon Tetrachloride | ug/L | 10 | | U | UJ | 10 |
| MW-46 | Chlorobenzene | ug/L | 10 | | U | UJ | 10 |
| MW-46 | Chloroethane | ug/L | 10 | | U | UJ | 10 |
| MW-46 | Chloroform | ug/L | 10 | | U | UJ | 10 |
| MW-46 | Chloromethane | ug/L | 10 | | U | UJ | 10 |
| MW-46 | cis-1,3-Dichloropropene | ug/L | 10 | | U | UJ | 10 |
| MW-46 | Dibromochloromethane | ug/L | 10 | | U | UJ | 10 |
| MW-46 | Ethyl Benzene | ug/L | 10 | | U | UJ | 10 |
| MW-46 | Methylene chloride | ug/L | 10 | | U | UJ | 10 |
| MW-46 | Styrene | ug/L | 10 | | U | UJ | 10 |
| MW-46 | Tetrachloroethene | ug/L | 10 | | U | UJ | 10 |
| MW-46 | Toluene | ug/L | 10 | | U | UJ | 10 |
| MW-46 | trans-1,3-Dichloropropene | ug/L | 10 | | U | UJ | 10 |
| MW-46 | Trichloroethene | ug/L | 10 | | U | UJ | 10 |
| MW-46 | Vinyl chloride | ug/L | 10 | | U | UJ | 10 |
| MW-46 | Xylenes (total) | ug/L | 10 | | U | UJ | 10 |
| MW-47 | 1,1,1-Trichloroethane | ug/L | 10 | | U | | 10 |
| MW-47 | 1,1,2,2-Tetrachloroethane | ug/L | 10 | | U | | 10 |
| MW-47 | 1,1,2-Trichloroethane | ug/L | 10 | | U | | 10 |
| MW-47 | 1,1-Dichloroethane | ug/L | 10 | | U | | 10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| Well | Analyte | Units | Highest Detection | CurrentEvent | | | |
|---|---|---|---|---|---|---|---|
| | | | | Result | LQ | DQ | Detect Limit |
| MW-47 | 1,1-Dichloroethene | ug/L | 10 | | U | | 10 |
| MW-47 | 1,2-Dichloroethane | ug/L | 10 | | U | | 10 |
| MW-47 | 1,2-Dichloroethene (total) | ug/L | 10 | | U | | 10 |
| MW-47 | 1,2-Dichloropropane | ug/L | 10 | | U | | 10 |
| MW-47 | 2-Butanone | ug/L | 10 | | U | | 10 |
| MW-47 | 2-Hexanone | ug/L | 10 | | U | UJ | 10 |
| MW-47 | 4-Methyl-2-pentanone | ug/L | 10 | | U | | 10 |
| MW-47 | Acetone | ug/L | 10 | | U | UJ | 10 |
| MW-47 | Benzene | ug/L | 10 | | U | | 10 |
| MW-47 | Bromodichloromethane | ug/L | 10 | | U | | 10 |
| MW-47 | Bromoform | ug/L | 10 | | U | | 10 |
| MW-47 | Bromomethane | ug/L | 10 | | U | | 10 |
| MW-47 | Carbon disulfide | ug/L | 10 | | U | | 10 |
| MW-47 | Carbon Tetrachloride | ug/L | 10 | | U | | 10 |
| MW-47 | Chlorobenzene | ug/L | 10 | | U | | 10 |
| MW-47 | Chloroethane | ug/L | 10 | | U | | 10 |
| MW-47 | Chloroform | ug/L | 10 | | U | | 10 |
| MW-47 | Chloromethane | ug/L | 10 | | U | | 10 |
| MW-47 | cis-1,3-Dichloropropene | ug/L | 10 | | U | | 10 |
| MW-47 | Dibromochloromethane | ug/L | 10 | | U | | 10 |
| MW-47 | Ethyl Benzene | ug/L | 10 | | U | | 10 |
| MW-47 | Methylene chloride | ug/L | 10 | | BJ | UJ | 10 |
| MW-47 | Styrene | ug/L | 10 | | U | | 10 |
| MW-47 | Tetrachloroethene | ug/L | 10 | | U | | 10 |
| MW-47 | Toluene | ug/L | 10 | | U | | 10 |
| MW-47 | trans-1,3-Dichloropropene | ug/L | 10 | | U | | 10 |
| MW-47 | Trichloroethene | ug/L | 10 | | U | | 10 |
| MW-47 | Vinyl chloride | ug/L | 10 | | U | | 10 |
| MW-47 | Xylenes (total) | ug/L | 10 | | U | | 10 |
| MW-48 | 1,1,1-Trichloroethane | ug/L | 500 | | U | UJ | 10 |
| MW-48 | 1,1,2,2-Tetrachloroethane | ug/L | 500 | | U | UJ | 10 |
| MW-48 | 1,1,2-Trichloroethane | ug/L | 500 | | U | UJ | [illegible] |
| MW-48 | 1,1-Dichloroethane | ug/L | 500 | | U | UJ | 10 |
| MW-48 | 1,1-Dichloroethene | ug/L | 500 | | U | UJ | 10 |
| MW-48 | 1,2-Dichloroethane | ug/L | 500 | 88 | | J | 10 |
| MW-48 | 1,2-Dichloroethene (total) | ug/L | 500 | 2.0 | J | J | 10 |
| MW-48 | 1,2-Dichloropropane | ug/L | 500 | | U | UJ | 10 |
| MW-48 | 2-Butanone | ug/L | 2,500 | | U | UJ | 10 |
| MW-48 | 2-Hexanone | ug/L | 2,500 | | U | UJ | 10 |
| MW-48 | 4-Methyl-2-pentanone | ug/L | 2,500 | | U | UJ | 10 |
| MW-48 | Acetone | ug/L | 2,500 | | U | UJ | 10 |
| MW-48 | Benzene | ug/L | 9,500 | 9,500 | D | J | 10 |
| MW-48 | Bromodichloromethane | ug/L | 500 | | U | UJ | 10 |
| MW-48 | Bromoform | ug/L | 500 | | U | UJ | 10 |
| MW-48 | Bromomethane | ug/L | 500 | | U | UJ | 10 |
| MW-48 | Carbon disulfide | ug/L | 500 | | U | UJ | 10 |
| MW-48 | Carbon Tetrachloride | ug/L | 500 | | U | UJ | 10 |
| MW-48 | Chlorobenzene | ug/L | 500 | | U | UJ | 10 |
| MW-48 | Chloroethane | ug/L | 1,000 | 720 | D | J | 10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| Well | Analyte | Units | Highest Detection | CurrentEvent | | | |
|---|---|---|---|---|---|---|---|
| | | | | Result | LQ | DQ | Detect Limit |
| MW-48 | Chloroform | ug/L | 500 | | U | UJ | 10 |
| MW-48 | Chloromethane | ug/L | 500 | | U | UJ | 10 |
| MW-48 | cis-1,3-Dichloropropene | ug/L | 500 | | U | UJ | 10 |
| MW-48 | Dibromochloromethane | ug/L | 500 | | U | UJ | 10 |
| MW-48 | Ethyl Benzene | ug/L | 500 | | U | UJ | 10 |
| MW-48 | Methylene chloride | ug/L | 500 | | J | UJ | 10 |
| MW-48 | Styrene | ug/L | 500 | | U | UJ | 10 |
| MW-48 | Tetrachloroethene | ug/L | 500 | | U | UJ | 10 |
| MW-48 | Toluene | ug/L | 500 | 3.0 | J | J | 10 |
| MW-48 | trans-1,3-Dichloropropene | ug/L | 500 | | U | UJ | 10 |
| MW-48 | Trichloroethene | ug/L | 500 | | U | UJ | 10 |
| MW-48 | Vinyl chloride | ug/L | 500 | | U | UJ | 10 |
| MW-48 | Xylenes (total) | ug/L | 500 | | U | UJ | 10 |
| MW-49 | 1,1,1-Trichloroethane | ug/L | 500 | | U | | 10 |
| MW-49 | 1,1,2,2-Tetrachloroethane | ug/L | 500 | 2.0 | J | | 10 |
| MW-49 | 1,1,2-Trichloroethane | ug/L | 500 | | U | | 10 |
| MW-49 | 1,1-Dichloroethane | ug/L | 500 | | U | | 10 |
| MW-49 | 1,1-Dichloroethene | ug/L | 500 | | U | | 10 |
| MW-49 | 1,2-Dichloroethane | ug/L | 500 | 57 | | | 10 |
| MW-49 | 1,2-Dichloroethene (total) | ug/L | 500 | 6.0 | J | | 10 |
| MW-49 | 1,2-Dichloropropane | ug/L | 500 | | U | | 10 |
| MW-49 | 2-Butanone | ug/L | 2,500 | | U | | 10 |
| MW-49 | 2-Hexanone | ug/L | 2,500 | | U | UJ | 10 |
| MW-49 | 4-Methyl-2-pentanone | ug/L | 2,500 | | U | | 10 |
| MW-49 | Acetone | ug/L | 2,500 | | U | UJ | 10 |
| MW-49 | Benzene | ug/L | 6,750 | 4,500 | D | | 10 |
| MW-49 | Bromodichloromethane | ug/L | 500 | | U | | 10 |
| MW-49 | Bromoform | ug/L | 500 | | U | | 10 |
| MW-49 | Bromomethane | ug/L | 500 | | U | | 10 |
| MW-49 | Carbon disulfide | ug/L | 500 | | U | | 10 |
| MW-49 | Carbon Tetrachloride | ug/L | 500 | | U | | 10 |
| MW-49 | Chlorobenzene | ug/L | 500 | | U | | 10 |
| MW-49 | Chloroethane | ug/L | 715 | 450 | D | | 10 |
| MW-49 | Chloroform | ug/L | 500 | | U | | 10 |
| MW-49 | Chloromethane | ug/L | 500 | | U | | 10 |
| MW-49 | cis-1,3-Dichloropropene | ug/L | 500 | | U | | 10 |
| MW-49 | Dibromochloromethane | ug/L | 500 | | U | | 10 |
| MW-49 | Ethyl Benzene | ug/L | 500 | | U | | 10 |
| MW-49 | Methylene chloride | ug/L | 450 | | BJ | UJ | 10 |
| MW-49 | Styrene | ug/L | 500 | | U | | 10 |
| MW-49 | Tetrachloroethene | ug/L | 500 | | U | | 10 |
| MW-49 | Toluene | ug/L | 500 | | U | | 10 |
| MW-49 | trans-1,3-Dichloropropene | ug/L | 500 | | U | | 10 |
| MW-49 | Trichloroethene | ug/L | 500 | | U | | 10 |
| MW-49 | Vinyl chloride | ug/L | 500 | | U | | 10 |
| MW-49 | Xylenes (total) | ug/L | 500 | | U | | 10 |
| MW-50 | 1,1,1-Trichloroethane | ug/L | 10 | | U | | 10 |
| MW-50 | 1,1,2,2-Tetrachloroethane | ug/L | 10 | | U | | 10 |
| MW-50 | 1,1,2-Trichloroethane | ug/L | 10 | | U | | 10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

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

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| ell | Analyte | Units | Highest Detection | CurrentEvent | | | |
|---|---|---|---|---|---|---|---|
| | | | | Result | LQ | DQ | Detect Limit |
| MW-51 | Chloroethane | ug/L | 100 | | U | UJ | 10 |
| MW-51 | Chloroform | ug/L | 100 | | U | UJ | 10 |
| MW-51 | Chloromethane | ug/L | 100 | | U | UJ | 10 |
| MW-51 | cis-1,3-Dichloropropene | ug/L | 100 | | U | UJ | 10 |
| MW-51 | Dibromochloromethane | ug/L | 100 | | U | UJ | 10 |
| MW-51 | Ethyl Benzene | ug/L | 100 | | U | UJ | 10 |
| MW-51 | Methylene chloride | ug/L | 100 | | U | UJ | 10 |
| MW-51 | Styrene | ug/L | 100 | | U | UJ | 10 |
| MW-51 | Tetrachloroethene | ug/L | 100 | | U | UJ | 10 |
| MW-51 | Toluene | ug/L | 100 | | U | UJ | 10 |
| MW-51 | trans-1,3-Dichloropropene | ug/L | 100 | | U | UJ | 10 |
| MW-51 | Trichloroethene | ug/L | 100 | | U | UJ | 10 |
| MW-51 | Vinyl chloride | ug/L | 100 | | U | UJ | 10 |
| MW-51 | Xylenes (total) | ug/L | 100 | | U | UJ | 10 |
| V-52 | 1,1,1-Trichloroethane | ug/L | 100 | | U | UJ | 10 |
| MW-52 | 1,1,2,2-Tetrachloroethane | ug/L | 100 | | U | UJ | 10 |
| MW-52 | 1,1,2-Trichloroethane | ug/L | 100 | | U | UJ | 10 |
| MW-52 | 1,1-Dichloroethane | ug/L | 100 | | U | UJ | 10 |
| MW-52 | 1,1-Dichloroethene | ug/L | 100 | | U | UJ | 10 |
| MW-52 | 1,2-Dichloroethane | ug/L | 100 | | U | UJ | 10 |
| MW-52 | 1,2-Dichloroethene (total) | ug/L | 100 | | U | UJ | 10 |
| MW-52 | 1,2-Dichloropropane | ug/L | 100 | | U | UJ | 10 |
| W-52 | 2-Butanone | ug/L | 100 | | U | UJ | 10 |
| /-52 | 2-Hexanone | ug/L | 100 | | U | UJ | 10 |
| MW-52 | 4-Methyl-2-pentanone | ug/L | 100 | | U | UJ | 10 |
| MW-52 | Acetone | ug/L | 100 | | U | UJ | 10 |
| MW-52 | Benzene | ug/L | 100 | | U | UJ | 10 |
| MW-52 | Bromodichloromethane | ug/L | 100 | | U | UJ | 10 |
| MW-52 | Bromoform | ug/L | 100 | | U | UJ | 10 |
| MW-52 | Bromomethane | ug/L | 100 | | U | UJ | 10 |
| W-52 | Carbon disulfide | ug/L | 100 | | U | UJ | 10 |
| N-52 | Carbon Tetrachloride | ug/L | 100 | | U | UJ | 10 |
| MW-52 | Chlorobenzene | ug/L | 100 | | U | UJ | 10 |
| MW-52 | Chloroethane | ug/L | 100 | | U | UJ | 10 |
| MW-52 | Chloroform | ug/L | 100 | | U | UJ | 10 |
| MW-52 | Chloromethane | ug/L | 100 | | U | UJ | 10 |
| MW-52 | cis-1,3-Dichloropropene | ug/L | 100 | | U | UJ | 10 |
| MW-52 | Dibromochloromethane | ug/L | 100 | | U | UJ | 10 |
| MW-52 | Ethyl Benzene | ug/L | 100 | | U | UJ | 10 |
| MW-52 | Methylene chloride | ug/L | 100 | | U | UJ | 10 |
| MW-52 | Styrene | ug/L | 100 | | U | UJ | 10 |
| MW-52 | Tetrachloroethene | ug/L | 100 | | U | UJ | 10 |
| MW-52 | Toluene | ug/L | 100 | | U | UJ | 10 |
| MW-52 | trans-1,3-Dichloropropene | ug/L | 100 | | U | UJ | 10 |
| MW-52 | Trichloroethene | ug/L | 100 | | U | UJ | 10 |
| MW-52 | Vinyl chloride | ug/L | 100 | | U | UJ | 10 |
| MW-52 | Xylenes (total) | ug/L | 100 | | U | UJ | 10 |
| MW-53 | 1,1,1-Trichloroethane | ug/L | 10 | | U | UJ | 10 |
| /-53 | 1,1,2,2-Tetrachloroethane | ug/L | 10 | | U | UJ | 10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

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

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

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

**BOLD** = Exceedance
NA = Not Available

# SEMIVOLATILE ORGANIC COMPOUNDS

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 10 |
| M-1S | 1,2-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| M-1S | 1,3-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| M-1S | 1,4-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| M-1S | 2,2'-oxybis(1-Chloropropane) | ug/L | 10 | | U | | 10 |
| M-1S | 2,4,5-Trichlorophenol | ug/L | 25 | | U | | 25 |
| M-1S | 2,4,6-Trichlorophenol | ug/L | 10 | | U | | 10 |
| M-1S | 2,4-Dichlorophenol | ug/L | 10 | | U | | 10 |
| M-1S | 2,4-Dimethylphenol | ug/L | 10 | | U | | 10 |
| M-1S | 2,4-Dinitrophenol | ug/L | 25 | | U | | 25 |
| M-1S | 2,4-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| M-1S | 2,6-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| M-1S | 2-Chloronaphthalene | ug/L | 10 | | U | | 10 |
| M-1S | 2-Chlorophenol | ug/L | 10 | | U | | 10 |
| M-1S | 2-Methylnaphthalene | ug/L | 10 | | U | | 10 |
| M-1S | 2-Methylphenol | ug/L | 10 | | U | | 10 |
| M-1S | 2-Nitroaniline | ug/L | 25 | | U | | 25 |
| M-1S | 2-Nitrophenol | ug/L | 10 | | U | | 10 |
| M-1S | 3,3'-Dichlorobenzidine | ug/L | 10 | | U | | 10 |
| M-1S | 3-Nitroaniline | ug/L | 25 | | U | | 25 |
| M-1S | 4,6-Dinitro-2-methylphenol | ug/L | 25 | | U | | 25 |
| M-1S | 4-Bromophenyl-phenylether | ug/L | 10 | | U | | 10 |
| M-1S | 4-Chloro-3-methylphenol | ug/L | 10 | | U | | 10 |
| M-1S | 4-Chloroaniline | ug/L | 10 | | U | | 10 |
| M-1S | 4-Chlorophenyl phenyl ether | ug/L | 10 | | U | | 10 |
| M-1S | 4-Methylphenol | ug/L | 10 | | U | | 10 |
| M-1S | 4-Nitroaniline | ug/L | 25 | | U | | 25 |
| M-1S | 4-Nitrophenol | ug/L | 25 | | U | | 25 |
| M-1S | Acenaphthene | ug/L | 10 | | U | | 10 |
| M-1S | Acenaphthylene | ug/L | 10 | | U | | 10 |
| M-1S | Anthracene | ug/L | 10 | | U | | 10 |
| M-1S | Benzo(a)anthracene | ug/L | 10 | | U | | 10 |
| M-1S | Benzo(a)pyrene | ug/L | 10 | | U | | 10 |
| M-1S | Benzo(b)fluoranthene | ug/L | 10 | | U | | 10 |
| M-1S | Benzo(g,h,i)perylene | ug/L | 10 | | U | | 10 |
| M-1S | Benzo(k)fluoranthene | ug/L | 10 | | U | | 10 |
| M-1S | Bis(2-chloroethoxy)methane | ug/L | 10 | | U | | 10 |
| M-1S | bis(2-chloroethyl) ether | ug/L | 60 | | U | | 10 |
| M-1S | Bis(2-ethylhexyl)phthalate | ug/L | 10 | | U | | 10 |
| M-1S | Butylbenzylphthalate | ug/L | 10 | | U | | 10 |
| M-1S | Carbazole | ug/L | 10 | | U | | 10 |
| M-1S | Chrysene | ug/L | 10 | | U | | 10 |
| M-1S | Di-n-butylphthalate | ug/L | 10 | | U | | 10 |
| M-1S | Di-n-octylphthalate | ug/L | 10 | | U | | 10 |
| M-1S | Dibenzo(a,h)anthracene | ug/L | 10 | | U | | 10 |
| M-1S | Dibenzofuran | ug/L | 10 | | U | | 10 |
| M-1S | Diethylphthalate | ug/L | 10 | | U | | 10 |
| M-1S | Dimethylphthalate | ug/L | 10 | | U | | 10 |
| M-1S | Fluoranthene | ug/L | 10 | | U | | 10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 10 |
| M-1S | Hexachlorobenzene | ug/L | 10 | | U | | 10 |
| M-1S | Hexachlorobutadiene | ug/L | 10 | | U | | 10 |
| M-1S | Hexachlorocyclopentadiene | ug/L | 10 | | U | | 10 |
| M-1S | Hexachloroethane | ug/L | 10 | | U | | 10 |
| M-1S | Indeno(1,2,3-cd)pyrene | ug/L | 10 | | U | | 10 |
| M-1S | Isophorone | ug/L | 10 | | U | | 10 |
| M-1S | N-Nitroso-di-n-propylamine | ug/L | 10 | | U | | 10 |
| M-1S | N-Nitrosodiphenylamine | ug/L | 10 | | U | | 10 |
| M-1S | Naphthalene | ug/L | 10 | | U | | 10 |
| M-1S | Nitrobenzene | ug/L | 10 | | U | | 10 |
| M-1S | Pentachlorophenol | ug/L | 25 | | U | | 25 |
| M-1S | Phenanthrene | ug/L | 10 | | U | | 10 |
| M-1S | Phenol | ug/L | 34 | | U | | 10 |
| M-1S | Pyrene | ug/L | 10 | | U | | 10 |
| M-3S | 1,2,4-Trichlorobenzene | ug/L | 10 | | U | | 10 |
| M-3S | 1,2-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| M-3S | 1,3-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| M-3S | 1,4-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| M-3S | 2,2'-oxybis(1-Chloropropane) | ug/L | 10 | 3.0 | J | | 10 |
| M-3S | 2,4,5-Trichlorophenol | ug/L | 25 | | U | | 25 |
| M-3S | 2,4,6-Trichlorophenol | ug/L | 10 | | U | | 10 |
| M-3S | 2,4-Dichlorophenol | ug/L | 10 | | U | | 10 |
| M-3S | 2,4-Dimethylphenol | ug/L | 10 | | U | | 10 |
| M-3S | 2,4-Dinitrophenol | ug/L | 25 | | U | | 25 |
| M-3S | 2,4-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| M-3S | 2,6-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| M-3S | 2-Chloronaphthalene | ug/L | 10 | | U | | 10 |
| M-3S | 2-Chlorophenol | ug/L | 10 | | U | | 10 |
| M-3S | 2-Methylnaphthalene | ug/L | 10 | | U | | 10 |
| M-3S | 2-Methylphenol | ug/L | 10 | | U | | 10 |
| M-3S | 2-Nitroaniline | ug/L | 25 | | U | | 25 |
| M-3S | 2-Nitrophenol | ug/L | 10 | | U | | 10 |
| M-3S | 3,3'-Dichlorobenzidine | ug/L | 10 | | U | | 10 |
| M-3S | 3-Nitroaniline | ug/L | 25 | | U | | 25 |
| M-3S | 4,6-Dinitro-2-methylphenol | ug/L | 25 | | U | | 25 |
| M-3S | 4-Bromophenyl-phenylether | ug/L | 10 | | U | | 10 |
| M-3S | 4-Chloro-3-methylphenol | ug/L | 10 | | U | | 10 |
| M-3S | 4-Chloroaniline | ug/L | 10 | | U | | 10 |
| M-3S | 4-Chlorophenyl-phenyl ether | ug/L | 10 | | U | | 10 |
| M-3S | 4-Methylphenol | ug/L | 10 | | U | | 10 |
| M-3S | 4-Nitroaniline | ug/L | 25 | | U | | 25 |
| M-3S | 4-Nitrophenol | ug/L | 25 | | U | | 25 |
| M-3S | Acenaphthene | ug/L | 10 | | U | | 10 |
| M-3S | Acenaphthylene | ug/L | 10 | | U | | 10 |
| M-3S | Anthracene | ug/L | 10 | | U | | 10 |
| M-3S | Benzo(a)anthracene | ug/L | 10 | | U | | 10 |
| M-3S | Benzo(a)pyrene | ug/L | 10 | | U | | 10 |
| M-3S | Benzo(b)fluoranthene | ug/L | 10 | | U | | 10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 10 |
| M-3S | Benzo(k)fluoranthene | ug/L | 10 | | U | | 10 |
| M-3S | Bis(2-chloroethoxy)methane | ug/L | 10 | | U | | 10 |
| M-3S | bis(2-chloroethyl) ether | ug/L | 10 | | U | | 10 |
| M-3S | Bis(2-ethylhexyl)phthalate | ug/L | 10 | | BJ | U | 10 |
| M-3S | Butylbenzylphthalate | ug/L | 10 | | U | | 10 |
| M-3S | Carbazole | ug/L | 10 | | U | | 10 |
| M-3S | Chrysene | ug/L | 10 | | U | | 10 |
| M-3S | Di-n-butylphthalate | ug/L | 10 | | U | | 10 |
| M-3S | Di-n-octylphthalate | ug/L | 10 | | U | | 10 |
| M-3S | Dibenzo(a,h)anthracene | ug/L | 10 | | U | | 10 |
| M-3S | Dibenzofuran | ug/L | 10 | | U | | 10 |
| M-3S | Diethylphthalate | ug/L | 10 | | U | | 10 |
| M-3S | Dimethylphthalate | ug/L | 10 | | U | | 10 |
| M-3S | Fluoranthene | ug/L | 10 | | U | | 10 |
| M-3S | Fluorene | ug/L | 10 | | U | | 10 |
| M-3S | Hexachlorobenzene | ug/L | 10 | | U | | 10 |
| M-3S | Hexachlorobutadiene | ug/L | 10 | | U | | 10 |
| M-3S | Hexachlorocyclopentadiene | ug/L | 10 | | U | | 10 |
| M-3S | Hexachloroethane | ug/L | 10 | | U | | 10 |
| M-3S | Indeno(1,2,3-cd)pyrene | ug/L | 10 | | U | | 10 |
| M-3S | Isophorone | ug/L | 10 | | U | | 10 |
| M-3S | N-Nitroso-di-n-propylamine | ug/L | 10 | | U | | 10 |
| M-3S | N-Nitrosodiphenylamine | ug/L | 10 | | U | | 10 |
| M-3S | Naphthalene | ug/L | 10 | | U | | 10 |
| M-3S | Nitrobenzene | ug/L | 10 | | U | | 10 |
| M-3S | Pentachlorophenol | ug/L | 25 | | U | | 25 |
| M-3S | Phenanthrene | ug/L | 10 | | U | | 10 |
| M-3S | Phenol | ug/L | 16 | | U | | 10 |
| M-3S | Pyrene | ug/L | 10 | | U | | 10 |
| M-4D | 1,2,4-Trichlorobenzene | ug/L | 10 | | U | | 10 |
| M-4D | 1,2-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| M-4D | 1,3-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| M-4D | 1,4-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| M-4D | 2,2'-oxybis(1-Chloropropane) | ug/L | 10 | | U | | 10 |
| M-4D | 2,4,5-Trichlorophenol | ug/L | 25 | | U | | 25 |
| M-4D | 2,4,6-Trichlorophenol | ug/L | 10 | | U | | 10 |
| M-4D | 2,4-Dichlorophenol | ug/L | 10 | | U | | 10 |
| M-4D | 2,4-Dimethylphenol | ug/L | 10 | | U | | 10 |
| M-4D | 2,4-Dinitrophenol | ug/L | 25 | | U | | 25 |
| M-4D | 2,4-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| M-4D | 2,6-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| M-4D | 2-Chloronaphthalene | ug/L | 10 | | U | | 10 |
| M-4D | 2-Chlorophenol | ug/L | 10 | | U | | 10 |
| M-4D | 2-Methylnaphthalene | ug/L | 10 | | U | | 10 |
| M-4D | 2-Methylphenol | ug/L | 10 | | U | | 10 |
| M-4D | 2-Nitroaniline | ug/L | 25 | | U | | 25 |
| M-4D | 2-Nitrophenol | ug/L | 10 | | U | | 10 |
| M-4D | 3,3'-Dichlorobenzidine | ug/L | 10 | | U | | 10 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 25 |
| M-4D | 4,6-Dinitro-2-methylphenol | ug/L | 25 | | U | | 25 |
| M-4D | 4-Bromophenyl-phenylether | ug/L | 10 | | U | | 10 |
| M-4D | 4-Chloro-3-methylphenol | ug/L | 10 | | U | | 10 |
| M-4D | 4-Chloroaniline | ug/L | 10 | | U | | 10 |
| M-4D | 4-Chlorophenyl-phenyl ether | ug/L | 10 | | U | | 10 |
| M-4D | 4-Methylphenol | ug/L | 10 | | U | | 10 |
| M-4D | 4-Nitroaniline | ug/L | 25 | | U | | 25 |
| M-4D | 4-Nitrophenol | ug/L | 25 | | U | | 25 |
| M-4D | Acenaphthene | ug/L | 10 | | U | | 10 |
| M-4D | Acenaphthylene | ug/L | 10 | | U | | 10 |
| M-4D | Anthracene | ug/L | 10 | | U | | 10 |
| M-4D | Benzo(a)anthracene | ug/L | 10 | | U | | 10 |
| M-4D | Benzo(a)pyrene | ug/L | 10 | | U | | 10 |
| M-4D | Benzo(b)fluoranthene | ug/L | 10 | | U | | 10 |
| M-4D | Benzo(g,h,i)perylene | ug/L | 10 | | U | | 10 |
| M-4D | Benzo(k)fluoranthene | ug/L | 10 | | U | | 10 |
| M-4D | Bis(2-chloroethoxy)methane | ug/L | 10 | | U | | 10 |
| M-4D | bis(2-chloroethyl) ether | ug/L | 10 | | U | | 10 |
| M-4D | Bis(2-ethylhexyl)phthalate | ug/L | 10 | | U | | 10 |
| M-4D | Butylbenzylphthalate | ug/L | 10 | | U | | 10 |
| M-4D | Carbazole | ug/L | 10 | | U | | 10 |
| M-4D | Chrysene | ug/L | 10 | | U | | 10 |
| M-4D | Di-n-butylphthalate | ug/L | 10 | | U | | 10 |
| M-4D | Di-n-octylphthalate | ug/L | 10 | | U | | 10 |
| M-4D | Dibenzo(a,h)anthracene | ug/L | 10 | | U | | 10 |
| M-4D | Dibenzofuran | ug/L | 10 | | U | | 10 |
| M-4D | Diethylphthalate | ug/L | 10 | | U | | 10 |
| M-4D | Dimethylphthalate | ug/L | 10 | | U | | 10 |
| M-4D | Fluoranthene | ug/L | 10 | | U | | 10 |
| M-4D | Fluorene | ug/L | 10 | | U | | 10 |
| M-4D | Hexachlorobenzene | ug/L | 10 | | U | | 10 |
| M-4D | Hexachlorobutadiene | ug/L | 10 | | U | | 10 |
| M-4D | Hexachlorocyclopentadiene | ug/L | 10 | | U | | 10 |
| M-4D | Hexachloroethane | ug/L | 10 | | U | | 10 |
| M-4D | Indeno(1,2,3-cd)pyrene | ug/L | 10 | | U | | 10 |
| M-4D | Isophorone | ug/L | 10 | | U | | 10 |
| M-4D | N-Nitroso-di-n-propylamine | ug/L | 10 | | U | | 10 |
| M-4D | N-Nitrosodiphenylamine | ug/L | 10 | | U | | 10 |
| M-4D | Naphthalene | ug/L | 10 | | U | | 10 |
| M-4D | Nitrobenzene | ug/L | 10 | | U | | 10 |
| M-4D | Pentachlorophenol | ug/L | 25 | | U | | 25 |
| M-4D | Phenanthrene | ug/L | 10 | | U | | 10 |
| M-4D | Phenol | ug/L | 16 | | U | | 10 |
| M-4D | Pyrene | ug/L | 10 | | U | | 10 |
| M-4S | 1,2,4-Trichlorobenzene | ug/L | 10 | | U | | 10 |
| M-4S | 1,2-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| M-4S | 1,3-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| M-4S | 1,4-Dichlorobenzene | ug/L | 10 | | U | | 10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 10 |
| M-4S | 2,4,5-Trichlorophenol | ug/L | 25 | | U | | 25 |
| M-4S | 2,4,6-Trichlorophenol | ug/L | 10 | | U | | 10 |
| M-4S | 2,4-Dichlorophenol | ug/L | 10 | | U | | 10 |
| M-4S | 2,4-Dimethylphenol | ug/L | 10 | | U | | 10 |
| M-4S | 2,4-Dinitrophenol | ug/L | 25 | | U | | 25 |
| M-4S | 2,4-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| M-4S | 2,6-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| M-4S | 2-Chloronaphthalene | ug/L | 10 | | U | | 10 |
| M-4S | 2-Chlorophenol | ug/L | 10 | | U | | 10 |
| M-4S | 2-Methylnaphthalene | ug/L | 10 | | U | | 10 |
| M-4S | 2-Methylphenol | ug/L | 10 | | U | | 10 |
| M-4S | 2-Nitroaniline | ug/L | 25 | | U | | 25 |
| M-4S | 2-Nitrophenol | ug/L | 10 | | U | | 10 |
| M-4S | 3,3'-Dichlorobenzidine | ug/L | 10 | | U | | 10 |
| M-4S | 3-Nitroaniline | ug/L | 25 | | U | | 25 |
| M-4S | 4,6-Dinitro-2-methylphenol | ug/L | 25 | | U | | 25 |
| M-4S | 4-Bromophenyl-phenylether | ug/L | 10 | | U | | 10 |
| M-4S | 4-Chloro-3-methylphenol | ug/L | 10 | | U | | 10 |
| M-4S | 4-Chloroaniline | ug/L | 10 | | U | | 10 |
| M-4S | 4-Chlorophenyl-phenyl ether | ug/L | 10 | | U | | 10 |
| M-4S | 4-Methylphenol | ug/L | 10 | | U | | 10 |
| M-4S | 4-Nitroaniline | ug/L | 25 | | U | | 25 |
| M-4S | 4-Nitrophenol | ug/L | 25 | | U | | 25 |
| M-4S | Acenaphthene | ug/L | 10 | | U | | 10 |
| M-4S | Acenaphthylene | ug/L | 10 | | U | | 10 |
| M-4S | Anthracene | ug/L | 10 | | U | | 10 |
| M-4S | Benzo(a)anthracene | ug/L | 10 | | U | | 10 |
| M-4S | Benzo(a)pyrene | ug/L | 10 | | U | | 10 |
| M-4S | Benzo(b)fluoranthene | ug/L | 10 | | U | | 10 |
| M-4S | Benzo(g,h,i)perylene | ug/L | 10 | | U | | 10 |
| M-4S | Benzo(k)fluoranthene | ug/L | 10 | | U | | 10 |
| M-4S | Bis(2-chloroethoxy)methane | ug/L | 10 | | U | | 10 |
| M-4S | bis(2-chloroethyl) ether | ug/L | 71 | **85** | D | | 10 |
| M-4S | Bis(2-ethylhexyl)phthalate | ug/L | 10 | | U | | 10 |
| M-4S | Butylbenzylphthalate | ug/L | 10 | | U | | 10 |
| M-4S | Carbazole | ug/L | 10 | | U | | 10 |
| M-4S | Chrysene | ug/L | 10 | | U | | 10 |
| M-4S | Di-n-butylphthalate | ug/L | 10 | | U | | 10 |
| M-4S | Di-n-octylphthalate | ug/L | 10 | | U | | 10 |
| M-4S | Dibenzo(a,h)anthracene | ug/L | 10 | | U | | 10 |
| M-4S | Dibenzofuran | ug/L | 10 | | U | | 10 |
| M-4S | Diethylphthalate | ug/L | 10 | | U | | 10 |
| M-4S | Dimethylphthalate | ug/L | 10 | | U | | 10 |
| M-4S | Fluoranthene | ug/L | 10 | | U | | 10 |
| M-4S | Fluorene | ug/L | 10 | | U | | 10 |
| M-4S | Hexachlorobenzene | ug/L | 10 | | U | | 10 |
| M-4S | Hexachlorobutadiene | ug/L | 10 | | U | | 10 |
| M-4S | Hexachlorocyclopentadiene | ug/L | 10 | | U | | 10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 10 |
| M-4S | Indeno(1,2,3-cd)pyrene | ug/L | 10 | | U | | 10 |
| M-4S | Isophorone | ug/L | 10 | | U | | 10 |
| M-4S | N-Nitroso-di-n-propylamine | ug/L | 10 | | U | | 10 |
| M-4S | N-Nitrosodiphenylamine | ug/L | 10 | | U | | 10 |
| M-4S | Naphthalene | ug/L | 10 | | U | | 10 |
| M-4S | Nitrobenzene | ug/L | 10 | | U | | 10 |
| M-4S | Pentachlorophenol | ug/L | 25 | | U | | 25 |
| M-4S | Phenanthrene | ug/L | 10 | | U | | 10 |
| M-4S | Phenol | ug/L | 25 | | U | | 10 |
| M-4S | Pyrene | ug/L | 10 | | U | | 10 |
| MW-06 | 1,2,4-Trichlorobenzene | ug/L | 20 | | U | | 10 |
| MW-06 | 1,2-Dichlorobenzene | ug/L | 20 | | U | | 10 |
| MW-06 | 1,3-Dichlorobenzene | ug/L | 20 | | U | | 10 |
| MW-06 | 1,4-Dichlorobenzene | ug/L | 20 | | U | | 10 |
| MW-06 | 2,2'-oxybis(1-Chloropropane) | ug/L | 20 | | U | | 10 |
| MW-06 | 2,4,5-Trichlorophenol | ug/L | 50 | | U | | 25 |
| MW-06 | 2,4,6-Trichlorophenol | ug/L | 20 | | U | | 10 |
| MW-06 | 2,4-Dichlorophenol | ug/L | 20 | | U | | 10 |
| MW-06 | 2,4-Dimethylphenol | ug/L | 20 | | U | | 10 |
| MW-06 | 2,4-Dinitrophenol | ug/L | 50 | | U | | 25 |
| MW-06 | 2,4-Dinitrotoluene | ug/L | 20 | | U | | 10 |
| MW-06 | 2,6-Dinitrotoluene | ug/L | 20 | | U | | 10 |
| MW-06 | 2-Chloronaphthalene | ug/L | 20 | | U | | 10 |
| MW-06 | 2-Chlorophenol | ug/L | 20 | | U | | 10 |
| MW-06 | 2-Methylnaphthalene | ug/L | 20 | | U | | 10 |
| MW-06 | 2-Methylphenol | ug/L | 20 | | U | | 10 |
| MW-06 | 2-Nitroaniline | ug/L | 50 | | U | | 25 |
| MW-06 | 2-Nitrophenol | ug/L | 20 | | U | | 10 |
| MW-06 | 3,3'-Dichlorobenzidine | ug/L | 20 | | U | | 10 |
| MW-06 | 3-Nitroaniline | ug/L | 50 | | U | | 25 |
| MW-06 | 4,6-Dinitro-2-methylphenol | ug/L | 50 | | U | | 25 |
| MW-06 | 4-Bromophenyl-phenylether | ug/L | 20 | | U | | 10 |
| MW-06 | 4-Chloro-3-methylphenol | ug/L | 20 | | U | | 10 |
| MW-06 | 4-Chloroaniline | ug/L | 20 | | U | | 10 |
| MW-06 | 4-Chlorophenyl-phenyl ether | ug/L | 20 | | U | | 10 |
| MW-06 | 4-Methylphenol | ug/L | 20 | | U | | 10 |
| MW-06 | 4-Nitroaniline | ug/L | 50 | | U | | 25 |
| MW-06 | 4-Nitrophenol | ug/L | 50 | | U | | 25 |
| MW-06 | Acenaphthene | ug/L | 20 | | U | | 10 |
| MW-06 | Acenaphthylene | ug/L | 20 | | U | | 10 |
| MW-06 | Anthracene | ug/L | 20 | | U | | 10 |
| MW-06 | Benzo(a)anthracene | ug/L | 20 | | U | | 10 |
| MW-06 | Benzo(a)pyrene | ug/L | 20 | | U | | 10 |
| MW-06 | Benzo(b)fluoranthene | ug/L | 20 | | U | | 10 |
| MW-06 | Benzo(g,h,i)perylene | ug/L | 20 | | U | | 10 |
| MW-06 | Benzo(k)fluoranthene | ug/L | 20 | | U | | 10 |
| MW-06 | Bis(2-chloroethoxy)methane | ug/L | 20 | | U | | 10 |
| MW-06 | bis(2-chloroethyl) ether | ug/L | 56 | | U | | 10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | **36** | | | 10 |
| MW-06 | Butylbenzylphthalate | ug/L | 20 | | U | | 10 |
| MW-06 | Carbazole | ug/L | 20 | | U | | 10 |
| MW-06 | Chrysene | ug/L | 20 | | U | | 10 |
| MW-06 | Di-n-butylphthalate | ug/L | 20 | | U | | 10 |
| MW-06 | Di-n-octylphthalate | ug/L | 20 | | U | | 10 |
| MW-06 | Dibenzo(a,h)anthracene | ug/L | 20 | | U | | 10 |
| MW-06 | Dibenzofuran | ug/L | 20 | | U | | 10 |
| MW-06 | Diethylphthalate | ug/L | 20 | | U | | 10 |
| MW-06 | Dimethylphthalate | ug/L | 20 | | U | | 10 |
| MW-06 | Fluoranthene | ug/L | 20 | | U | | 10 |
| MW-06 | Fluorene | ug/L | 20 | | U | | 10 |
| MW-06 | Hexachlorobenzene | ug/L | 20 | | U | | 10 |
| MW-06 | Hexachlorobutadiene | ug/L | 20 | | U | | 10 |
| MW-06 | Hexachlorocyclopentadiene | ug/L | 20 | | U | | 10 |
| MW-06 | Hexachloroethane | ug/L | 20 | | U | | 10 |
| MW-06 | Indeno(1,2,3-cd)pyrene | ug/L | 20 | | U | | 10 |
| MW-06 | Isophorone | ug/L | 20 | | U | | 10 |
| MW-06 | N-Nitroso-di-n-propylamine | ug/L | 20 | | U | | 10 |
| MW-06 | N-Nitrosodiphenylamine | ug/L | 20 | | U | | 10 |
| MW-06 | Naphthalene | ug/L | 20 | | U | | 10 |
| MW-06 | Nitrobenzene | ug/L | 20 | | U | | 10 |
| MW-06 | Pentachlorophenol | ug/L | 50 | | U | | 25 |
| MW-06 | Phenanthrene | ug/L | 20 | | U | | 10 |
| MW-06 | Phenol | ug/L | 60 | | U | | 10 |
| MW-06 | Pyrene | ug/L | 20 | | U | | 10 |
| MW-07 | 1,2,4-Trichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-07 | 1,2-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-07 | 1,3-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-07 | 1,4-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-07 | 2,2'-oxybis(1-Chloropropane) | ug/L | 10 | | U | | 10 |
| MW-07 | 2,4,5-Trichlorophenol | ug/L | 25 | | U | | 25 |
| MW-07 | 2,4,6-Trichlorophenol | ug/L | 10 | | U | | 10 |
| MW-07 | 2,4-Dichlorophenol | ug/L | 10 | | U | | 10 |
| MW-07 | 2,4-Dimethylphenol | ug/L | 10 | | U | | 10 |
| MW-07 | 2,4-Dinitrophenol | ug/L | 25 | | U | | 25 |
| MW-07 | 2,4-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| MW-07 | 2,6-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| MW-07 | 2-Chloronaphthalene | ug/L | 10 | | U | | 10 |
| MW-07 | 2-Chlorophenol | ug/L | 10 | | U | | 10 |
| MW-07 | 2-Methylnaphthalene | ug/L | 10 | | U | | 10 |
| MW-07 | 2-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-07 | 2-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-07 | 2-Nitrophenol | ug/L | 10 | | U | | 10 |
| MW-07 | 3,3'-Dichlorobenzidine | ug/L | 10 | | U | | 10 |
| MW-07 | 3-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-07 | 4,6-Dinitro-2-methylphenol | ug/L | 25 | | U | | 25 |
| MW-07 | 4-Bromophenyl-phenylether | ug/L | 10 | | U | | 10 |
| MW-07 | 4-Chloro-3-methylphenol | ug/L | 10 | | U | | 10 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 10 |
| MW-07 | 4-Chlorophenyl-phenyl ether | ug/L | 10 | | U | | 10 |
| MW-07 | 4-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-07 | 4-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-07 | 4-Nitrophenol | ug/L | 25 | | U | | 25 |
| MW-07 | Acenaphthene | ug/L | 10 | | U | | 10 |
| MW-07 | Acenaphthylene | ug/L | 10 | | U | | 10 |
| MW-07 | Anthracene | ug/L | 10 | | U | | 10 |
| MW-07 | Benzo(a)anthracene | ug/L | 10 | | U | | 10 |
| MW-07 | Benzo(a)pyrene | ug/L | 10 | | U | | 10 |
| MW-07 | Benzo(b)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-07 | Benzo(g,h,i)perylene | ug/L | 10 | | U | | 10 |
| MW-07 | Benzo(k)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-07 | Bis(2-chloroethoxy)methane | ug/L | 10 | | U | | 10 |
| MW-07 | bis(2-chloroethyl) ether | ug/L | 10 | | U | | 10 |
| MW-07 | Bis(2-ethylhexyl)phthalate | ug/L | 10 | | U | | 10 |
| MW-07 | Butylbenzylphthalate | ug/L | 10 | | U | | 10 |
| MW-07 | Carbazole | ug/L | 10 | | U | | 10 |
| MW-07 | Chrysene | ug/L | 10 | | U | | 10 |
| MW-07 | Di-n-butylphthalate | ug/L | 10 | | U | | 10 |
| MW-07 | Di-n-octylphthalate | ug/L | 10 | | U | | 10 |
| MW-07 | Dibenzo(a,h)anthracene | ug/L | 10 | | U | | 10 |
| MW-07 | Dibenzofuran | ug/L | 10 | | U | | 10 |
| MW-07 | Diethylphthalate | ug/L | 10 | | U | | 10 |
| MW-07 | Dimethylphthalate | ug/L | 10 | | U | | 10 |
| MW-07 | Fluoranthene | ug/L | 10 | | U | | 10 |
| MW-07 | Fluorene | ug/L | 10 | | U | | 10 |
| MW-07 | Hexachlorobenzene | ug/L | 10 | | U | | 10 |
| MW-07 | Hexachlorobutadiene | ug/L | 10 | | U | | 10 |
| MW-07 | Hexachlorocyclopentadiene | ug/L | 10 | | U | | 10 |
| MW-07 | Hexachloroethane | ug/L | 10 | | U | | 10 |
| MW-07 | Indeno(1,2,3-cd)pyrene | ug/L | 10 | | U | | 10 |
| MW-07 | Isophorone | ug/L | 10 | | U | | 10 |
| MW-07 | N-Nitroso-di-n-propylamine | ug/L | 10 | | U | | 10 |
| MW-07 | N-Nitrosodiphenylamine | ug/L | 10 | | U | | 10 |
| MW-07 | Naphthalene | ug/L | 10 | | U | | 10 |
| MW-07 | Nitrobenzene | ug/L | 10 | | U | | 10 |
| MW-07 | Pentachlorophenol | ug/L | 25 | | U | | 25 |
| MW-07 | Phenanthrene | ug/L | 10 | | U | | 10 |
| MW-07 | Phenol | ug/L | 70 | | U | | 10 |
| MW-07 | Pyrene | ug/L | 10 | | U | | 10 |
| MW-08 | 1,2,4-Trichlorobenzene | ug/L | 20 | | U | | 10 |
| MW-08 | 1,2-Dichlorobenzene | ug/L | 20 | | U | | 10 |
| MW-08 | 1,3-Dichlorobenzene | ug/L | 20 | | U | | 10 |
| MW-08 | 1,4-Dichlorobenzene | ug/L | 20 | | U | | 10 |
| MW-08 | 2,2'-oxybis(1-Chloropropane) | ug/L | 20 | | U | | 10 |
| MW-08 | 2,4,5-Trichlorophenol | ug/L | 50 | | U | | 25 |
| MW-08 | 2,4,6-Trichlorophenol | ug/L | 20 | | U | | 10 |
| MW-08 | 2,4-Dichlorophenol | ug/L | 20 | | U | | 10 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 10 |
| MW-08 | 2,4-Dinitrophenol | ug/L | 50 | | U | | 25 |
| MW-08 | 2,4-Dinitrotoluene | ug/L | 20 | | U | | 10 |
| MW-08 | 2,6-Dinitrotoluene | ug/L | 20 | | U | | 10 |
| MW-08 | 2-Chloronaphthalene | ug/L | 20 | | U | | 10 |
| MW-08 | 2-Chlorophenol | ug/L | 20 | | U | | 10 |
| MW-08 | 2-Methylnaphthalene | ug/L | 20 | | U | | 10 |
| MW-08 | 2-Methylphenol | ug/L | 20 | | U | UJ | 10 |
| MW-08 | 2-Nitroaniline | ug/L | 50 | | U | | 25 |
| MW-08 | 2-Nitrophenol | ug/L | 20 | | U | | 10 |
| MW-08 | 3,3'-Dichlorobenzidine | ug/L | 20 | | U | | 10 |
| MW-08 | 3-Nitroaniline | ug/L | 50 | | U | | 25 |
| MW-08 | 4,6-Dinitro-2-methylphenol | ug/L | 50 | | U | | 25 |
| MW-08 | 4-Bromophenyl-phenylether | ug/L | 20 | | U | | 10 |
| MW-08 | 4-Chloro-3-methylphenol | ug/L | 20 | | U | | 10 |
| MW-08 | 4-Chloroaniline | ug/L | 20 | | U | | 10 |
| MW-08 | 4-Chlorophenyl-phenyl ether | ug/L | 20 | | U | | 10 |
| MW-08 | 4-Methylphenol | ug/L | 20 | | U | | 10 |
| MW-08 | 4-Nitroaniline | ug/L | 50 | | U | | 25 |
| MW-08 | 4-Nitrophenol | ug/L | 50 | | U | | 25 |
| MW-08 | Acenaphthene | ug/L | 20 | | U | | 10 |
| MW-08 | Acenaphthylene | ug/L | 20 | | U | | 10 |
| MW-08 | Anthracene | ug/L | 20 | | U | | 10 |
| MW-08 | Benzo(a)anthracene | ug/L | 20 | | U | | 10 |
| MW-08 | Benzo(a)pyrene | ug/L | 20 | | U | | 10 |
| MW-08 | Benzo(b)fluoranthene | ug/L | 20 | | U | | 10 |
| MW-08 | Benzo(g,h,i)perylene | ug/L | 20 | | U | | 10 |
| MW-08 | Benzo(k)fluoranthene | ug/L | 20 | | U | | 10 |
| MW-08 | Bis(2-chloroethoxy)methane | ug/L | 20 | | U | | 10 |
| MW-08 | bis(2-chloroethyl) ether | ug/L | 20 | | U | | 10 |
| MW-08 | Bis(2-ethylhexyl)phthalate | ug/L | 20 | | U | | 10 |
| MW-08 | Butylbenzylphthalat | ug/L | 20 | | U | | 10 |
| MW-08 | Carbazole | ug/L | 20 | | U | | 10 |
| MW-08 | Chrysene | ug/L | 20 | | U | | 10 |
| MW-08 | Di-n-butylphthalate | ug/L | 20 | | U | | 10 |
| MW-08 | Di-n-octylphthalate | ug/L | 20 | | U | | 10 |
| MW-08 | Dibenzo(a,h)anthracene | ug/L | 20 | | U | | 10 |
| MW-08 | Dibenzofuran | ug/L | 20 | | U | | 10 |
| MW-08 | Diethylphthalate | ug/L | 20 | | U | | 10 |
| MW-08 | Dimethylphthalate | ug/L | 20 | | U | | 10 |
| MW-08 | Fluoranthene | ug/L | 20 | | U | | 10 |
| MW-08 | Fluorene | ug/L | 20 | | U | | 10 |
| MW-08 | Hexachlorobenzene | ug/L | 20 | | U | | 10 |
| MW-08 | Hexachlorobutadiene | ug/L | 20 | | U | | 10 |
| MW-08 | Hexachlorocyclopentadiene | ug/L | 20 | | U | | 10 |
| MW-08 | Hexachloroethane | ug/L | 20 | | U | | 10 |
| MW-08 | Indeno(1,2,3-cd)pyrene | ug/L | 20 | | U | | 10 |
| MW-08 | Isophorone | ug/L | 20 | | U | | 10 |
| MW-08 | N-Nitroso-di-n-propylamine | ug/L | 20 | | U | | 10 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 10 |
| MW-08 | Naphthalene | ug/L | 20 | | U | | 10 |
| MW-08 | Nitrobenzene | ug/L | 20 | | U | | 10 |
| MW-08 | Pentachlorophenol | ug/L | 50 | | U | UJ | 25 |
| MW-08 | Phenanthrene | ug/L | 20 | | U | | 10 |
| MW-08 | Phenol | ug/L | 140 | | U | | 10 |
| MW-08 | Pyrene | ug/L | 20 | | U | | 10 |
| MW-09R | 1,2,4-Trichlorobenzene | ug/L | 50 | | U | | 10 |
| MW-09R | 1,2-Dichlorobenzene | ug/L | 50 | | U | | 10 |
| MW-09R | 1,3-Dichlorobenzene | ug/L | 50 | | U | | 10 |
| MW-09R | 1,4-Dichlorobenzene | ug/L | 50 | | U | | 10 |
| MW-09R | 2,2'-oxybis(1-Chloropropane) | ug/L | 50 | | U | | 10 |
| MW-09R | 2,4,5-Trichlorophenol | ug/L | 125 | | U | | 25 |
| MW-09R | 2,4,6-Trichlorophenol | ug/L | 50 | | U | | 10 |
| MW-09R | 2,4-Dichlorophenol | ug/L | 50 | | U | | 10 |
| MW-09R | 2,4-Dimethylphenol | ug/L | 50 | | U | | 10 |
| MW-09R | 2,4-Dinitrophenol | ug/L | 125 | | U | | 25 |
| MW-09R | 2,4-Dinitrotoluene | ug/L | 50 | | U | | 10 |
| MW-09R | 2,6-Dinitrotoluene | ug/L | 50 | | U | | 10 |
| MW-09R | 2-Chloronaphthalene | ug/L | 50 | | U | | 10 |
| MW-09R | 2-Chlorophenol | ug/L | 50 | | U | | 10 |
| MW-09R | 2-Methylnaphthalene | ug/L | 50 | | U | | 10 |
| MW-09R | 2-Methylphenol | ug/L | 50 | | U | | 10 |
| MW-09R | 2-Nitroaniline | ug/L | 125 | | U | | 25 |
| MW-09R | 2-Nitrophenol | ug/L | 50 | | U | | 10 |
| MW-09R | 3,3'-Dichlorobenzidine | ug/L | 50 | | U | | 10 |
| MW-09R | 3-Nitroaniline | ug/L | 125 | | U | | 25 |
| MW-09R | 4,6-Dinitro-2-methylphenol | ug/L | 125 | | U | | 25 |
| MW-09R | 4-Bromophenyl-phenylether | ug/L | 50 | | U | | 10 |
| MW-09R | 4-Chloro-3-methylphenol | ug/L | 50 | | U | | 10 |
| MW-09R | 4-Chloroaniline | ug/L | 50 | | U | | 10 |
| MW-09R | 4-Chlorophenyl-phenyl [illegible] | ug/L | 50 | | U | | [illegible] |
| MW-09R | 4-Methylphenol | ug/L | 50 | | U | | 10 |
| MW-09R | 4-Nitroaniline | ug/L | 125 | | U | | 25 |
| MW-09R | 4-Nitrophenol | ug/L | 125 | | U | | 25 |
| MW-09R | Acenaphthene | ug/L | 50 | | U | | 10 |
| MW-09R | Acenaphthylene | ug/L | 50 | | U | | 10 |
| MW-09R | Anthracene | ug/L | 50 | | U | | 10 |
| MW-09R | Benzo(a)anthracene | ug/L | 50 | | U | | 10 |
| MW-09R | Benzo(a)pyrene | ug/L | 50 | | U | | 10 |
| MW-09R | Benzo(b)fluoranthene | ug/L | 50 | | U | | 10 |
| MW-09R | Benzo(g,h,i)perylene | ug/L | 50 | | U | | 10 |
| MW-09R | Benzo(k)fluoranthene | ug/L | 50 | | U | | 10 |
| MW-09R | Bis(2-chloroethoxy)methane | ug/L | 50 | | U | | 10 |
| MW-09R | bis(2-chloroethyl) ether | ug/L | 50 | 15 | | | 10 |
| MW-09R | Bis(2-ethylhexyl)phthalate | ug/L | 50 | | U | | 10 |
| MW-09R | Butylbenzylphthalate | ug/L | 50 | | U | | 10 |
| MW-09R | Carbazole | ug/L | 50 | | U | | 10 |
| MW-09R | Chrysene | ug/L | 50 | | U | | 10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| Well | Analyte | Units | Highest Detection | CurrentEvent | | | |
|---|---|---|---|---|---|---|---|
| | | | | Result | LQ | DQ | Detect Limit |
| MW-09R | Di-n-butylphthalate | ug/L | 50 | | U | | 10 |
| MW-09R | Di-n-octylphthalate | ug/L | 50 | | U | | 10 |
| MW-09R | Dibenzo(a,h)anthracene | ug/L | 50 | | U | | 10 |
| MW-09R | Dibenzofuran | ug/L | 50 | | U | | 10 |
| MW-09R | Diethylphthalate | ug/L | 50 | | U | | 10 |
| MW-09R | Dimethylphthalate | ug/L | 50 | | U | | 10 |
| MW-09R | Fluoranthene | ug/L | 50 | | U | | 10 |
| MW-09R | Fluorene | ug/L | 50 | | U | | 10 |
| MW-09R | Hexachlorobenzene | ug/L | 50 | | U | | 10 |
| MW-09R | Hexachlorobutadiene | ug/L | 50 | | U | | 10 |
| MW-09R | Hexachlorocyclopentadiene | ug/L | 50 | | U | | 10 |
| MW-09R | Hexachloroethane | ug/L | 50 | | U | | 10 |
| MW-09R | Indeno(1,2,3-cd)pyrene | ug/L | 50 | | U | | 10 |
| MW-09R | Isophorone | ug/L | 50 | | U | | 10 |
| MW-09R | N-Nitroso-di-n-propylamine | ug/L | 50 | | U | | 10 |
| MW-09R | N-Nitrosodiphenylamine | ug/L | 50 | | U | | 10 |
| MW-09R | Naphthalene | ug/L | 50 | | U | | 10 |
| MW-09R | Nitrobenzene | ug/L | 50 | | U | | 10 |
| MW-09R | Pentachlorophenol | ug/L | 125 | | U | | 25 |
| MW-09R | Phenanthrene | ug/L | 50 | | U | | 10 |
| MW-09R | Phenol | ug/L | 50 | | U | | 10 |
| MW-09R | Pyrene | ug/L | 50 | | U | | 10 |
| 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 | | 25 |
| 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 | | 25 |
| MW-10C | 2,4-Dinitrotoluene | ug/L | 10 | | U | | 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 | | 25 |
| 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 | | 25 |
| MW-10C | 4,6-Dinitro-2-methylphenol | ug/L | 25 | | U | | 25 |
| 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 | | 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 | | 25 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 25 |
| 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 | | J | UJ | 10 |
| MW-10C | Butylbenzylphthalate | ug/L | 10 | | U | | 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 | | U | | 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 | | 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 | | 25 |
| MW-10C | Phenanthrene | ug/L | 10 | | U | | 10 |
| MW-10C | Phenol | ug/L | 20 | | U | | 10 |
| MW-10C | Pyrene | ug/L | 10 | | U | | 10 |
| MW-11 | 1,2,4-Trichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-11 | 1,2-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-11 | 1,3-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-11 | 1,4-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-11 | 2,2'-oxybis(1-Chloropropane) | ug/L | 10 | | U | | 10 |
| MW-11 | 2,4,5-Trichlorophenol | ug/L | 25 | | U | | 25 |
| MW-11 | 2,4,6-Trichlorophenol | ug/L | 10 | | U | | 10 |
| MW-11 | 2,4-Dichlorophenol | ug/L | 10 | | U | | 10 |
| MW-11 | 2,4-Dimethylphenol | ug/L | 10 | | U | | 10 |
| MW-11 | 2,4-Dinitrophenol | ug/L | 25 | | U | UJ | 25 |
| MW-11 | 2,4-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| MW-11 | 2,6-Dinitrotoluene | ug/L | 10 | | U | | 10 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 10 |
| MW-11 | 2-Chlorophenol | ug/L | 10 | | U | | 10 |
| MW-11 | 2-Methylnaphthalene | ug/L | 10 | | U | | 10 |
| MW-11 | 2-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-11 | 2-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-11 | 2-Nitrophenol | ug/L | 10 | | U | | 10 |
| MW-11 | 3,3'-Dichlorobenzidine | ug/L | 10 | | U | | 10 |
| MW-11 | 3-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-11 | 4,6-Dinitro-2-methylphenol | ug/L | 25 | | U | UJ | 25 |
| MW-11 | 4-Bromophenyl-phenylether | ug/L | 10 | | U | | 10 |
| MW-11 | 4-Chloro-3-methylphenol | ug/L | 10 | | U | | 10 |
| MW-11 | 4-Chloroaniline | ug/L | 10 | | U | | 10 |
| MW-11 | 4-Chlorophenyl-phenyl ether | ug/L | 10 | | U | | 10 |
| MW-11 | 4-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-11 | 4-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-11 | 4-Nitrophenol | ug/L | 25 | | U | UJ | 25 |
| MW-11 | Acenaphthene | ug/L | 10 | | U | | 10 |
| MW-11 | Acenaphthylene | ug/L | 10 | | U | | 10 |
| MW-11 | Anthracene | ug/L | 10 | | U | | 10 |
| MW-11 | Benzo(a)anthracene | ug/L | 10 | | U | | 10 |
| MW-11 | Benzo(a)pyrene | ug/L | 10 | | U | | 10 |
| MW-11 | Benzo(b)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-11 | Benzo(g,h,i)perylene | ug/L | 10 | | U | | 10 |
| MW-11 | Benzo(k)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-11 | Bis(2-chloroethoxy)methane | ug/L | 10 | | U | | 10 |
| MW-11 | bis(2-chloroethyl) ether | ug/L | 10 | | U | | 10 |
| MW-11 | Bis(2-ethylhexyl)phthalate | ug/L | 10 | 1.0 | J | | 10 |
| MW-11 | Butylbenzylphthalate | ug/L | 10 | | U | | 10 |
| MW-11 | Carbazole | ug/L | 10 | | U | | 10 |
| MW-11 | Chrysene | ug/L | 10 | | U | UJ | 10 |
| MW-11 | Di-n-butylphthalate | ug/L | 10 | | U | | 10 |
| MW-11 | Di-n-octylphthalate | ug/L | 10 | | U | | 10 |
| MW-11 | Dibenzo(a,h)anthracene | ug/L | 10 | | U | | 10 |
| MW-11 | Dibenzofuran | ug/L | 10 | | U | | 10 |
| MW-11 | Diethylphthalate | ug/L | 10 | | U | | 10 |
| MW-11 | Dimethylphthalate | ug/L | 10 | | U | | 10 |
| MW-11 | Fluoranthene | ug/L | 10 | | U | | 10 |
| MW-11 | Fluorene | ug/L | 10 | | U | | 10 |
| MW-11 | Hexachlorobenzene | ug/L | 10 | | U | | 10 |
| MW-11 | Hexachlorobutadiene | ug/L | 10 | | U | | 10 |
| MW-11 | Hexachlorocyclopentadiene | ug/L | 10 | | U | | 10 |
| MW-11 | Hexachloroethane | ug/L | 10 | | U | | 10 |
| MW-11 | Indeno(1,2,3-cd)pyrene | ug/L | 10 | | U | | 10 |
| MW-11 | Isophorone | ug/L | 10 | | U | | 10 |
| MW-11 | N-Nitroso-di-n-propylamine | ug/L | 10 | | U | | 10 |
| MW-11 | N-Nitrosodiphenylamine | ug/L | 10 | | U | | 10 |
| MW-11 | Naphthalene | ug/L | 10 | | U | | 10 |
| MW-11 | Nitrobenzene | ug/L | 10 | | U | | 10 |
| MW-11 | Pentachlorophenol | ug/L | 25 | | U | | 25 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 10 |
| MW-11 | Phenol | ug/L | 23 | | J | U | 10 |
| MW-11 | Pyrene | ug/L | 10 | | U | UJ | 10 |
| MW-12 | 1,2,4-Trichlorobenzene | ug/L | 20 | | U | | 10 |
| MW-12 | 1,2-Dichlorobenzene | ug/L | 20 | | U | | 10 |
| MW-12 | 1,3-Dichlorobenzene | ug/L | 20 | | U | | 10 |
| MW-12 | 1,4-Dichlorobenzene | ug/L | 20 | | U | | 10 |
| MW-12 | 2,2'-oxybis(1-Chloropropane) | ug/L | 140 | 74 | D | | 10 |
| MW-12 | 2,4,5-Trichlorophenol | ug/L | 50 | | U | | 25 |
| MW-12 | 2,4,6-Trichlorophenol | ug/L | 20 | | U | | 10 |
| MW-12 | 2,4-Dichlorophenol | ug/L | 20 | | U | | 10 |
| MW-12 | 2,4-Dimethylphenol | ug/L | 20 | | U | | 10 |
| MW-12 | 2,4-Dinitrophenol | ug/L | 50 | | U | | 25 |
| MW-12 | 2,4-Dinitrotoluene | ug/L | 20 | | U | | 10 |
| MW-12 | 2,6-Dinitrotoluene | ug/L | 20 | | U | | 10 |
| MW-12 | 2-Chloronaphthalene | ug/L | 20 | | U | | 10 |
| MW-12 | 2-Chlorophenol | ug/L | 20 | | U | | 10 |
| MW-12 | 2-Methylnaphthalene | ug/L | 20 | | U | | 10 |
| MW-12 | 2-Methylphenol | ug/L | 20 | | U | | 10 |
| MW-12 | 2-Nitroaniline | ug/L | 50 | | U | | 25 |
| MW-12 | 2-Nitrophenol | ug/L | 20 | | U | | 10 |
| MW-12 | 3,3'-Dichlorobenzidine | ug/L | 20 | | U | | 10 |
| MW-12 | 3-Nitroaniline | ug/L | 50 | | U | | 25 |
| MW-12 | 4,6-Dinitro-2-methylphenol | ug/L | 50 | | U | | 25 |
| MW-12 | 4-Bromophenyl-phenylether | ug/L | 20 | | U | | 10 |
| MW-12 | 4-Chloro-3-methylphenol | ug/L | 20 | | U | | 10 |
| MW-12 | 4-Chloroaniline | ug/L | 20 | | U | | 10 |
| MW-12 | 4-Chlorophenyl-phenyl ether | ug/L | 20 | | U | | 10 |
| MW-12 | 4-Methylphenol | ug/L | 20 | | U | | 10 |
| MW-12 | 4-Nitroaniline | ug/L | 50 | | U | | 25 |
| MW-12 | 4-Nitrophenol | ug/L | 50 | | U | | 25 |
| MW-12 | Acenaphthene | ug/L | 20 | | U | | 10 |
| MW-12 | Acenaphthylene | ug/L | 20 | | U | | 10 |
| MW-12 | Anthracene | ug/L | 20 | | U | | 10 |
| MW-12 | Benzo(a)anthracene | ug/L | 20 | | U | | 10 |
| MW-12 | Benzo(a)pyrene | ug/L | 20 | | U | | 10 |
| MW-12 | Benzo(b)fluoranthene | ug/L | 20 | | U | | 10 |
| MW-12 | Benzo(g,h,i)perylene | ug/L | 20 | | U | | 10 |
| MW-12 | Benzo(k)fluoranthene | ug/L | 20 | | U | | 10 |
| MW-12 | Bis(2-chloroethoxy)methane | ug/L | 20 | | U | | 10 |
| MW-12 | bis(2-chloroethyl) ether | ug/L | 20 | | U | | 10 |
| MW-12 | Bis(2-ethylhexyl)phthalate | ug/L | 20 | | J | U | 10 |
| MW-12 | Butylbenzylphthalate | ug/L | 20 | | U | | 10 |
| MW-12 | Carbazole | ug/L | 20 | | U | | 10 |
| MW-12 | Chrysene | ug/L | 20 | | U | | 10 |
| MW-12 | Di-n-butylphthalate | ug/L | 20 | | U | | 10 |
| MW-12 | Di-n-octylphthalate | ug/L | 20 | | U | | 10 |
| MW-12 | Dibenzo(a,h)anthracene | ug/L | 20 | | U | | 10 |
| MW-12 | Dibenzofuran | ug/L | 20 | | U | | 10 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 10 |
| MW-12 | Dimethylphthalate | ug/L | 20 | | U | | 10 |
| MW-12 | Fluoranthene | ug/L | 20 | | U | | 10 |
| MW-12 | Fluorene | ug/L | 20 | | U | | 10 |
| MW-12 | Hexachlorobenzene | ug/L | 20 | | U | | 10 |
| MW-12 | Hexachlorobutadiene | ug/L | 20 | | U | | 10 |
| MW-12 | Hexachlorocyclopentadiene | ug/L | 20 | | U | | 10 |
| MW-12 | Hexachloroethane | ug/L | 20 | | U | | 10 |
| MW-12 | Indeno(1,2,3-cd)pyrene | ug/L | 20 | | U | | 10 |
| MW-12 | Isophorone | ug/L | 20 | | U | | 10 |
| MW-12 | N-Nitroso-di-n-propylamine | ug/L | 20 | | U | | 10 |
| MW-12 | N-Nitrosodiphenylamine | ug/L | 20 | | U | | 10 |
| MW-12 | Naphthalene | ug/L | 20 | | U | | 10 |
| MW-12 | Nitrobenzene | ug/L | 20 | | U | | 10 |
| MW-12 | Pentachlorophenol | ug/L | 50 | | U | | 25 |
| MW-12 | Phenanthrene | ug/L | 20 | | U | | 10 |
| MW-12 | Phenol | ug/L | 25 | | U | | 10 |
| MW-12 | Pyrene | ug/L | 20 | | U | | 10 |
| MW-13 | 1,2,4-Trichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-13 | 1,2-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-13 | 1,3-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-13 | 1,4-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-13 | 2,2'-oxybis(1-Chloropropane) | ug/L | 10 | | U | | 10 |
| MW-13 | 2,4,5-Trichlorophenol | ug/L | 25 | | U | | 25 |
| MW-13 | 2,4,6-Trichlorophenol | ug/L | 10 | | U | | 10 |
| MW-13 | 2,4-Dichlorophenol | ug/L | 10 | | U | | 10 |
| MW-13 | 2,4-Dimethylphenol | ug/L | 10 | | U | | 10 |
| MW-13 | 2,4-Dinitrophenol | ug/L | 25 | | U | | 25 |
| MW-13 | 2,4-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| MW-13 | 2,6-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| MW-13 | 2-Chloronaphthalene | ug/L | 10 | | U | | 10 |
| MW-13 | 2-Chlorophenol | ug/L | 10 | | U | | 10 |
| MW-13 | 2-Methylnaphthalene | ug/L | 10 | | U | | 10 |
| MW-13 | 2-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-13 | 2-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-13 | 2-Nitrophenol | ug/L | 10 | | U | | 10 |
| MW-13 | 3,3'-Dichlorobenzidine | ug/L | 10 | | U | | 10 |
| MW-13 | 3-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-13 | 4,6-Dinitro-2-methylphenol | ug/L | 25 | | U | | 25 |
| MW-13 | 4-Bromophenyl-phenylether | ug/L | 10 | | U | | 10 |
| MW-13 | 4-Chloro-3-methylphenol | ug/L | 10 | | U | | 10 |
| MW-13 | 4-Chloroaniline | ug/L | 10 | | U | | 10 |
| MW-13 | 4-Chlorophenyl-phenyl ether | ug/L | 10 | | U | | 10 |
| MW-13 | 4-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-13 | 4-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-13 | 4-Nitrophenol | ug/L | 25 | | U | | 25 |
| MW-13 | Acenaphthene | ug/L | 10 | | U | | 10 |
| MW-13 | Acenaphthylene | ug/L | 10 | | U | | 10 |
| MW-13 | Anthracene | ug/L | 10 | | U | | 10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 10 |
| MW-13 | Benzo(a)pyrene | ug/L | 10 | | U | | 10 |
| MW-13 | Benzo(b)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-13 | Benzo(g,h,i)perylene | ug/L | 10 | | U | | 10 |
| MW-13 | Benzo(k)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-13 | Bis(2-chloroethoxy)methane | ug/L | 10 | | U | | 10 |
| MW-13 | bis(2-chloroethyl) ether | ug/L | 10 | | U | | 10 |
| MW-13 | Bis(2-ethylhexyl)phthalate | ug/L | 17 | | U | | 10 |
| MW-13 | Butylbenzylphthalate | ug/L | 10 | | U | | 10 |
| MW-13 | Carbazole | ug/L | 10 | | U | | 10 |
| MW-13 | Chrysene | ug/L | 10 | | U | | 10 |
| MW-13 | Di-n-butylphthalate | ug/L | 10 | | U | | 10 |
| MW-13 | Di-n-octylphthalate | ug/L | 10 | | U | | 10 |
| MW-13 | Dibenzo(a,h)anthracene | ug/L | 10 | | U | | 10 |
| MW-13 | Dibenzofuran | ug/L | 10 | | U | | 10 |
| MW-13 | Diethylphthalate | ug/L | 10 | | U | | 10 |
| MW-13 | Dimethylphthalate | ug/L | 10 | | U | | 10 |
| MW-13 | Fluoranthene | ug/L | 10 | | U | | 10 |
| MW-13 | Fluorene | ug/L | 10 | | U | | 10 |
| MW-13 | Hexachlorobenzene | ug/L | 10 | | U | | 10 |
| MW-13 | Hexachlorobutadiene | ug/L | 10 | | U | | 10 |
| MW-13 | Hexachlorocyclopentadiene | ug/L | 10 | | U | | 10 |
| MW-13 | Hexachloroethane | ug/L | 10 | | U | | 10 |
| MW-13 | Indeno(1,2,3-cd)pyrene | ug/L | 10 | | U | | 10 |
| MW-13 | Isophorone | ug/L | 10 | | U | | 10 |
| MW-13 | N-Nitroso-di-n-propylamine | ug/L | 10 | | U | | 10 |
| MW-13 | N-Nitrosodiphenylamine | ug/L | 10 | | U | | 10 |
| MW-13 | Naphthalene | ug/L | 10 | | U | | 10 |
| MW-13 | Nitrobenzene | ug/L | 10 | | U | | 10 |
| MW-13 | Pentachlorophenol | ug/L | 25 | | U | | 25 |
| MW-13 | Phenanthrene | ug/L | 10 | | U | | 10 |
| MW-13 | Phenol | ug/L | 23 | | J | | 10 |
| MW-13 | Pyrene | ug/L | 10 | | U | | 10 |
| MW-14 | 1,2,4-Trichlorobenzene | ug/L | 10 | | U | UJ | 10 |
| MW-14 | 1,2-Dichlorobenzene | ug/L | 10 | | U | UJ | 10 |
| MW-14 | 1,3-Dichlorobenzene | ug/L | 10 | | U | UJ | 10 |
| MW-14 | 1,4-Dichlorobenzene | ug/L | 10 | | U | UJ | 10 |
| MW-14 | 2,2'-oxybis(1-Chloropropane) | ug/L | 10 | | U | UJ | 10 |
| MW-14 | 2,4,5-Trichlorophenol | ug/L | 25 | | U | UJ | 25 |
| MW-14 | 2,4,6-Trichlorophenol | ug/L | 10 | | U | UJ | 10 |
| MW-14 | 2,4-Dichlorophenol | ug/L | 10 | | U | UJ | 10 |
| MW-14 | 2,4-Dimethylphenol | ug/L | 10 | | U | UJ | 10 |
| MW-14 | 2,4-Dinitrophenol | ug/L | 25 | | U | UJ | 25 |
| MW-14 | 2,4-Dinitrotoluene | ug/L | 10 | | U | UJ | 10 |
| MW-14 | 2,6-Dinitrotoluene | ug/L | 10 | | U | UJ | 10 |
| MW-14 | 2-Chloronaphthalene | ug/L | 10 | | U | UJ | 10 |
| MW-14 | 2-Chlorophenol | ug/L | 10 | | U | UJ | 10 |
| MW-14 | 2-Methylnaphthalene | ug/L | 10 | | U | UJ | 10 |
| MW-14 | 2-Methylphenol | ug/L | 10 | | U | UJ | 10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | UJ | 25 |
| MW-14 | 2-Nitrophenol | ug/L | 10 | | U | UJ | 10 |
| MW-14 | 3,3'-Dichlorobenzidine | ug/L | 10 | | U | UJ | 10 |
| MW-14 | 3-Nitroaniline | ug/L | 25 | | U | UJ | 25 |
| MW-14 | 4,6-Dinitro-2-methylphenol | ug/L | 25 | | U | UJ | 25 |
| MW-14 | 4-Bromophenyl-phenylether | ug/L | 10 | | U | UJ | 10 |
| MW-14 | 4-Chloro-3-methylphenol | ug/L | 10 | | U | UJ | 10 |
| MW-14 | 4-Chloroaniline | ug/L | 10 | | U | UJ | 10 |
| MW-14 | 4-Chlorophenyl-phenyl ether | ug/L | 10 | | U | UJ | 10 |
| MW-14 | 4-Methylphenol | ug/L | 10 | | U | UJ | 10 |
| MW-14 | 4-Nitroaniline | ug/L | 25 | | U | UJ | 25 |
| MW-14 | 4-Nitrophenol | ug/L | 25 | | U | UJ | 25 |
| MW-14 | Acenaphthene | ug/L | 10 | | U | UJ | 10 |
| MW-14 | Acenaphthylene | ug/L | 10 | | U | UJ | 10 |
| MW-14 | Anthracene | ug/L | 10 | | U | UJ | 10 |
| MW-14 | Benzo(a)anthracene | ug/L | 10 | | U | UJ | 10 |
| MW-14 | Benzo(a)pyrene | ug/L | 10 | | U | UJ | 10 |
| MW-14 | Benzo(b)fluoranthene | ug/L | 10 | | U | UJ | 10 |
| MW-14 | Benzo(g,h,i)perylene | ug/L | 10 | | U | UJ | 10 |
| MW-14 | Benzo(k)fluoranthene | ug/L | 10 | | U | UJ | 10 |
| MW-14 | Bis(2-chloroethoxy)methane | ug/L | 10 | | U | UJ | 10 |
| MW-14 | bis(2-chloroethyl) ether | ug/L | 12 | | U | UJ | 10 |
| MW-14 | Bis(2-ethylhexyl)phthalate | ug/L | 11 | | J | UJ | 10 |
| MW-14 | Butylbenzylphthalate | ug/L | 10 | | U | UJ | 10 |
| MW-14 | Carbazole | ug/L | 10 | | U | UJ | 10 |
| MW-14 | Chrysene | ug/L | 10 | | U | UJ | 10 |
| MW-14 | Di-n-butylphthalate | ug/L | 10 | | U | UJ | 10 |
| MW-14 | Di-n-octylphthalate | ug/L | 10 | | U | UJ | 10 |
| MW-14 | Dibenzo(a,h)anthracene | ug/L | 10 | | U | UJ | 10 |
| MW-14 | Dibenzofuran | ug/L | 10 | | U | UJ | 10 |
| MW-14 | Diethylphthalate | ug/L | 10 | | U | UJ | 10 |
| MW-14 | Dimethylphthalate | ug/L | 10 | | U | UJ | 10 |
| MW-14 | Fluoranthene | ug/L | 10 | | U | UJ | 10 |
| MW-14 | Fluorene | ug/L | 10 | | U | UJ | 10 |
| MW-14 | Hexachlorobenzene | ug/L | 10 | | U | UJ | 10 |
| MW-14 | Hexachlorobutadiene | ug/L | 10 | | U | UJ | 10 |
| MW-14 | Hexachlorocyclopentadiene | ug/L | 10 | | U | UJ | 10 |
| MW-14 | Hexachloroethane | ug/L | 10 | | U | UJ | 10 |
| MW-14 | Indeno(1,2,3-cd)pyrene | ug/L | 10 | | U | UJ | 10 |
| MW-14 | Isophorone | ug/L | 10 | | U | UJ | 10 |
| MW-14 | N-Nitroso-di-n-propylamine | ug/L | 10 | | U | UJ | 10 |
| MW-14 | N-Nitrosodiphenylamine | ug/L | 10 | | U | UJ | 10 |
| MW-14 | Naphthalene | ug/L | 10 | | U | UJ | 10 |
| MW-14 | Nitrobenzene | ug/L | 10 | | U | UJ | 10 |
| MW-14 | Pentachlorophenol | ug/L | 25 | | U | UJ | 25 |
| MW-14 | Phenanthrene | ug/L | 10 | | U | UJ | 10 |
| MW-14 | Phenol | ug/L | 18 | | U | UJ | 10 |
| MW-14 | Pyrene | ug/L | 10 | | U | UJ | 10 |
| MW-15 | 1,2,4-Trichlorobenzene | ug/L | 10 | | U | UJ | 10 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | UJ | 10 |
| MW-15 | 1,3-Dichlorobenzene | ug/L | 10 | | U | UJ | 10 |
| MW-15 | 1,4-Dichlorobenzene | ug/L | 10 | | U | UJ | 10 |
| MW-15 | 2,2'-oxybis(1-Chloropropane) | ug/L | 10 | | U | UJ | 10 |
| MW-15 | 2,4,5-Trichlorophenol | ug/L | 25 | | U | UJ | 25 |
| MW-15 | 2,4,6-Trichlorophenol | ug/L | 10 | | U | UJ | 10 |
| MW-15 | 2,4-Dichlorophenol | ug/L | 10 | | U | UJ | 10 |
| MW-15 | 2,4-Dimethylphenol | ug/L | 10 | | U | UJ | 10 |
| MW-15 | 2,4-Dinitrophenol | ug/L | 25 | | U | UJ | 25 |
| MW-15 | 2,4-Dinitrotoluene | ug/L | 10 | | U | UJ | 10 |
| MW-15 | 2,6-Dinitrotoluene | ug/L | 10 | | U | UJ | 10 |
| MW-15 | 2-Chloronaphthalene | ug/L | 10 | | U | UJ | 10 |
| MW-15 | 2-Chlorophenol | ug/L | 10 | | U | UJ | 10 |
| MW-15 | 2-Methylnaphthalene | ug/L | 10 | | U | UJ | 10 |
| MW-15 | 2-Methylphenol | ug/L | 10 | | U | UJ | 10 |
| MW-15 | 2-Nitroaniline | ug/L | 25 | | U | UJ | 25 |
| MW-15 | 2-Nitrophenol | ug/L | 10 | | U | UJ | 10 |
| MW-15 | 3,3'-Dichlorobenzidine | ug/L | 10 | | U | UJ | 10 |
| MW-15 | 3-Nitroaniline | ug/L | 25 | | U | UJ | 25 |
| MW-15 | 4,6-Dinitro-2-methylphenol | ug/L | 25 | | U | UJ | 25 |
| MW-15 | 4-Bromophenyl-phenylether | ug/L | 10 | | U | UJ | 10 |
| MW-15 | 4-Chloro-3-methylphenol | ug/L | 10 | | U | UJ | 10 |
| MW-15 | 4-Chloroaniline | ug/L | 10 | | U | UJ | 10 |
| MW-15 | 4-Chlorophenyl-phenyl ether | ug/L | 10 | | U | UJ | 10 |
| MW-15 | 4-Methylphenol | ug/L | 10 | | U | UJ | 10 |
| MW-15 | 4-Nitroaniline | ug/L | 25 | | U | UJ | 25 |
| MW-15 | 4-Nitrophenol | ug/L | 25 | | U | UJ | 25 |
| MW-15 | Acenaphthene | ug/L | 10 | | U | UJ | 10 |
| MW-15 | Acenaphthylene | ug/L | 10 | | U | UJ | 10 |
| MW-15 | Anthracene | ug/L | 10 | | U | UJ | 10 |
| MW-15 | Benzo(a)anthracene | ug/L | 10 | | U | UJ | 10 |
| MW-15 | Benzo(a)pyrene | ug/L | 10 | | U | UJ | 10 |
| MW-15 | Benzo(b)fluoranthene | ug/L | 10 | | U | UJ | 10 |
| MW-15 | Benzo(g,h,i)perylene | ug/L | 10 | | U | UJ | 10 |
| MW-15 | Benzo(k)fluoranthene | ug/L | 10 | | U | UJ | 10 |
| MW-15 | Bis(2-chloroethoxy)methane | ug/L | 10 | | U | UJ | 10 |
| MW-15 | bis(2-chloroethyl) ether | ug/L | 10 | | J | UJ | 10 |
| MW-15 | Bis(2-ethylhexyl)phthalate | ug/L | 27 | | J | UJ | 10 |
| MW-15 | Butylbenzylphthalate | ug/L | 10 | | U | UJ | 10 |
| MW-15 | Carbazole | ug/L | 10 | | U | UJ | 10 |
| MW-15 | Chrysene | ug/L | 10 | | U | UJ | 10 |
| MW-15 | Di-n-butylphthalate | ug/L | 10 | | U | UJ | 10 |
| MW-15 | Di-n-octylphthalate | ug/L | 10 | | U | UJ | 10 |
| MW-15 | Dibenzo(a,h)anthracene | ug/L | 10 | | U | UJ | 10 |
| MW-15 | Dibenzofuran | ug/L | 10 | | U | UJ | 10 |
| MW-15 | Diethylphthalate | ug/L | 10 | | U | UJ | 10 |
| MW-15 | Dimethylphthalate | ug/L | 10 | | U | UJ | 10 |
| MW-15 | Fluoranthene | ug/L | 10 | | U | UJ | 10 |
| MW-15 | Fluorene | ug/L | 10 | | U | UJ | 10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | UJ | 10 |
| MW-15 | Hexachlorobutadiene | ug/L | 10 | | U | UJ | 10 |
| MW-15 | Hexachlorocyclopentadiene | ug/L | 10 | | U | UJ | 10 |
| MW-15 | Hexachloroethane | ug/L | 10 | | U | UJ | 10 |
| MW-15 | Indeno(1,2,3-cd)pyrene | ug/L | 10 | | U | UJ | 10 |
| MW-15 | Isophorone | ug/L | 10 | | U | UJ | 10 |
| MW-15 | N-Nitroso-di-n-propylamine | ug/L | 10 | | U | UJ | 10 |
| MW-15 | N-Nitrosodiphenylamine | ug/L | 10 | | U | UJ | 10 |
| MW-15 | Naphthalene | ug/L | 10 | | U | UJ | 10 |
| MW-15 | Nitrobenzene | ug/L | 10 | | U | UJ | 10 |
| MW-15 | Pentachlorophenol | ug/L | 25 | | U | UJ | 25 |
| MW-15 | Phenanthrene | ug/L | 10 | | U | UJ | 10 |
| MW-15 | Phenol | ug/L | 26 | | U | UJ | 10 |
| MW-15 | Pyrene | ug/L | 10 | | U | UJ | 10 |
| MW-18 | 1,2,4-Trichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-18 | 1,2-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-18 | 1,3-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-18 | 1,4-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-18 | 2,2'-oxybis(1-Chloropropane) | ug/L | 10 | | U | | 10 |
| MW-18 | 2,4,5-Trichlorophenol | ug/L | 25 | | U | | 25 |
| MW-18 | 2,4,6-Trichlorophenol | ug/L | 10 | | U | | 10 |
| MW-18 | 2,4-Dichlorophenol | ug/L | 10 | | U | | 10 |
| MW-18 | 2,4-Dimethylphenol | ug/L | 10 | | U | | 10 |
| MW-18 | 2,4-Dinitrophenol | ug/L | 25 | | U | | 25 |
| MW-18 | 2,4-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| MW-18 | 2,6-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| MW-18 | 2-Chloronaphthalene | ug/L | 10 | | U | | 10 |
| MW-18 | 2-Chlorophenol | ug/L | 10 | | U | | 10 |
| MW-18 | 2-Methylnaphthalene | ug/L | 10 | | U | | 10 |
| MW-18 | 2-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-18 | 2-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-18 | 2-Nitrophenol | ug/L | 10 | | U | | 10 |
| MW-18 | 3,3'-Dichlorobenzidine | ug/L | 10 | | U | | 10 |
| MW-18 | 3-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-18 | 4,6-Dinitro-2-methylphenol | ug/L | 25 | | U | | 25 |
| MW-18 | 4-Bromophenyl-phenylether | ug/L | 10 | | U | | 10 |
| MW-18 | 4-Chloro-3-methylphenol | ug/L | 10 | | U | | 10 |
| MW-18 | 4-Chloroaniline | ug/L | 10 | | U | | 10 |
| MW-18 | 4-Chlorophenyl-phenyl ether | ug/L | 10 | | U | | 10 |
| MW-18 | 4-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-18 | 4-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-18 | 4-Nitrophenol | ug/L | 25 | | U | | 25 |
| MW-18 | Acenaphthene | ug/L | 10 | | U | | 10 |
| MW-18 | Acenaphthylene | ug/L | 10 | | U | | 10 |
| MW-18 | Anthracene | ug/L | 10 | | U | | 10 |
| MW-18 | Benzo(a)anthracene | ug/L | 10 | | U | | 10 |
| MW-18 | Benzo(a)pyrene | ug/L | 10 | | U | | 10 |
| MW-18 | Benzo(b)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-18 | Benzo(g,h,i)perylene | ug/L | 10 | | U | | 10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 10 |
| MW-18 | Bis(2-chloroethoxy)methane | ug/L | 10 | | U | | 10 |
| MW-18 | bis(2-chloroethyl) ether | ug/L | 10 | | U | | 10 |
| MW-18 | Bis(2-ethylhexyl)phthalate | ug/L | 15 | | U | | 10 |
| MW-18 | Butylbenzylphthalate | ug/L | 10 | | U | | 10 |
| MW-18 | Carbazole | ug/L | 10 | | U | | 10 |
| MW-18 | Chrysene | ug/L | 10 | | U | | 10 |
| MW-18 | Di-n-butylphthalate | ug/L | 10 | | U | | 10 |
| MW-18 | Di-n-octylphthalate | ug/L | 10 | | U | | 10 |
| MW-18 | Dibenzo(a,h)anthracene | ug/L | 10 | | U | | 10 |
| MW-18 | Dibenzofuran | ug/L | 10 | | U | | 10 |
| MW-18 | Diethylphthalate | ug/L | 10 | | U | | 10 |
| MW-18 | Dimethylphthalate | ug/L | 10 | | U | | 10 |
| MW-18 | Fluoranthene | ug/L | 10 | | U | | 10 |
| MW-18 | Fluorene | ug/L | 10 | | U | | 10 |
| MW-18 | Hexachlorobenzene | ug/L | 10 | | U | | 10 |
| MW-18 | Hexachlorobutadiene | ug/L | 10 | | U | | 10 |
| MW-18 | Hexachlorocyclopentadiene | ug/L | 10 | | U | | 10 |
| MW-18 | Hexachloroethane | ug/L | 10 | | U | | 10 |
| MW-18 | Indeno(1,2,3-cd)pyrene | ug/L | 10 | | U | | 10 |
| MW-18 | Isophorone | ug/L | 10 | | U | | 10 |
| MW-18 | N-Nitroso-di-n-propylamine | ug/L | 10 | | U | | 10 |
| MW-18 | N-Nitrosodiphenylamine | ug/L | 10 | | U | | 10 |
| MW-18 | Naphthalene | ug/L | 10 | | U | | 10 |
| MW-18 | Nitrobenzene | ug/L | 10 | | U | | 10 |
| MW-18 | Pentachlorophenol | ug/L | 25 | | U | | 25 |
| MW-18 | Phenanthrene | ug/L | 10 | | U | | 10 |
| MW-18 | Phenol | ug/L | 21 | | U | | 10 |
| MW-18 | Pyrene | ug/L | 10 | | U | | 10 |
| MW-19 | 1,2,4-Trichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-19 | 1,2-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-19 | 1,3-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-19 | 1,4-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-19 | 2,2'-oxybis(1-Chloropropane) | ug/L | 10 | | U | | 10 |
| MW-19 | 2,4,5-Trichlorophenol | ug/L | 25 | | U | | 25 |
| MW-19 | 2,4,6-Trichlorophenol | ug/L | 10 | | U | | 10 |
| MW-19 | 2,4-Dichlorophenol | ug/L | 10 | | U | | 10 |
| MW-19 | 2,4-Dimethylphenol | ug/L | 10 | | U | | 10 |
| MW-19 | 2,4-Dinitrophenol | ug/L | 25 | | U | | 25 |
| MW-19 | 2,4-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| MW-19 | 2,6-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| MW-19 | 2-Chloronaphthalene | ug/L | 10 | | U | | 10 |
| MW-19 | 2-Chlorophenol | ug/L | 10 | | U | | 10 |
| MW-19 | 2-Methylnaphthalene | ug/L | 10 | | U | | 10 |
| MW-19 | 2-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-19 | 2-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-19 | 2-Nitrophenol | ug/L | 10 | | U | | 10 |
| MW-19 | 3,3'-Dichlorobenzidine | ug/L | 10 | | U | | 10 |
| MW-19 | 3-Nitroaniline | ug/L | 25 | | U | | 25 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 25 |
| MW-19 | 4-Bromophenyl-phenylether | ug/L | 10 | | U | | 10 |
| MW-19 | 4-Chloro-3-methylphenol | ug/L | 10 | | U | | 10 |
| MW-19 | 4-Chloroaniline | ug/L | 10 | | U | | 10 |
| MW-19 | 4-Chlorophenyl-phenyl ether | ug/L | 10 | | U | | 10 |
| MW-19 | 4-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-19 | 4-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-19 | 4-Nitrophenol | ug/L | 25 | | U | | 25 |
| MW-19 | Acenaphthene | ug/L | 10 | | U | | 10 |
| MW-19 | Acenaphthylene | ug/L | 10 | | U | | 10 |
| MW-19 | Anthracene | ug/L | 10 | | U | | 10 |
| MW-19 | Benzo(a)anthracene | ug/L | 10 | | U | | 10 |
| MW-19 | Benzo(a)pyrene | ug/L | 10 | | U | | 10 |
| MW-19 | Benzo(b)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-19 | Benzo(g,h,i)perylene | ug/L | 10 | | U | | 10 |
| MW-19 | Benzo(k)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-19 | Bis(2-chloroethoxy)methane | ug/L | 10 | | U | | 10 |
| MW-19 | bis(2-chloroethyl) ether | ug/L | 12 | 11 | | | 10 |
| MW-19 | Bis(2-ethylhexyl)phthalate | ug/L | 14 | | U | | 10 |
| MW-19 | Butylbenzylphthalate | ug/L | 10 | | U | | 10 |
| MW-19 | Carbazole | ug/L | 10 | | U | | 10 |
| MW-19 | Chrysene | ug/L | 10 | | U | | 10 |
| MW-19 | Di-n-butylphthalate | ug/L | 10 | | U | | 10 |
| MW-19 | Di-n-octylphthalate | ug/L | 10 | | U | | 10 |
| MW-19 | Dibenzo(a,h)anthracene | ug/L | 10 | | U | | 10 |
| MW-19 | Dibenzofuran | ug/L | 10 | | U | | 10 |
| MW-19 | Diethylphthalate | ug/L | 10 | | U | | 10 |
| MW-19 | Dimethylphthalate | ug/L | 10 | | U | | 10 |
| MW-19 | Fluoranthene | ug/L | 10 | | U | | 10 |
| MW-19 | Fluorene | ug/L | 10 | | U | | 10 |
| MW-19 | Hexachlorobenzene | ug/L | 10 | | U | | 10 |
| MW-19 | Hexachlorobutadiene | ug/L | 10 | | U | | 10 |
| MW-19 | Hexachlorocyclopentadiene | ug/L | 10 | | U | | 10 |
| MW-19 | Hexachloroethane | ug/L | 10 | | U | | 10 |
| MW-19 | Indeno(1,2,3-cd)pyrene | ug/L | 10 | | U | | 10 |
| MW-19 | Isophorone | ug/L | 10 | | U | | 10 |
| MW-19 | N-Nitroso-di-n-propylamine | ug/L | 10 | | U | | 10 |
| MW-19 | N-Nitrosodiphenylamine | ug/L | 10 | | U | | 10 |
| MW-19 | Naphthalene | ug/L | 10 | | U | | 10 |
| MW-19 | Nitrobenzene | ug/L | 10 | | U | | 10 |
| MW-19 | Pentachlorophenol | ug/L | 25 | | U | | 25 |
| MW-19 | Phenanthrene | ug/L | 10 | | U | | 10 |
| MW-19 | Phenol | ug/L | 31 | | U | | 10 |
| MW-19 | Pyrene | ug/L | 10 | | U | | 10 |
| MW-22 | 1,2,4-Trichlorobenzene | ug/L | 80 | | U | | 10 |
| MW-22 | 1,2-Dichlorobenzene | ug/L | 80 | | U | | 10 |
| MW-22 | 1,3-Dichlorobenzene | ug/L | 80 | | U | | 10 |
| MW-22 | 1,4-Dichlorobenzene | ug/L | 80 | | U | | 10 |
| MW-22 | 2,2'-oxybis(1-Chloropropane) | ug/L | 80 | | U | | 10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 25 |
| MW-22 | 2,4,6-Trichlorophenol | ug/L | 80 | | U | | 10 |
| MW-22 | 2,4-Dichlorophenol | ug/L | 80 | | U | | 10 |
| MW-22 | 2,4-Dimethylphenol | ug/L | 80 | | U | | 10 |
| MW-22 | 2,4-Dinitrophenol | ug/L | 200 | | U | | 25 |
| MW-22 | 2,4-Dinitrotoluene | ug/L | 80 | | U | | 10 |
| MW-22 | 2,6-Dinitrotoluene | ug/L | 80 | | U | | 10 |
| MW-22 | 2-Chloronaphthalene | ug/L | 80 | | U | | 10 |
| MW-22 | 2-Chlorophenol | ug/L | 80 | | U | | 10 |
| MW-22 | 2-Methylnaphthalene | ug/L | 80 | | U | | 10 |
| MW-22 | 2-Methylphenol | ug/L | 80 | | U | | 10 |
| MW-22 | 2-Nitroaniline | ug/L | 200 | | U | | 25 |
| MW-22 | 2-Nitrophenol | ug/L | 80 | | U | | 10 |
| MW-22 | 3,3'-Dichlorobenzidine | ug/L | 80 | | U | | 10 |
| MW-22 | 3-Nitroaniline | ug/L | 200 | | U | | 25 |
| MW-22 | 4,6-Dinitro-2-methylphenol | ug/L | 200 | | U | | 25 |
| MW-22 | 4-Bromophenyl-phenylether | ug/L | 80 | | U | | 10 |
| MW-22 | 4-Chloro-3-methylphenol | ug/L | 80 | | U | | 10 |
| MW-22 | 4-Chloroaniline | ug/L | 80 | | U | | 10 |
| MW-22 | 4-Chlorophenyl-phenyl ether | ug/L | 80 | | U | | 10 |
| MW-22 | 4-Methylphenol | ug/L | 80 | | U | | 10 |
| MW-22 | 4-Nitroaniline | ug/L | 200 | | U | | 25 |
| MW-22 | 4-Nitrophenol | ug/L | 200 | | U | | 25 |
| MW-22 | Acenaphthene | ug/L | 80 | | U | | 10 |
| MW-22 | Acenaphthylene | ug/L | 80 | | U | | 10 |
| MW-22 | Anthracene | ug/L | 80 | | U | | 10 |
| MW-22 | Benzo(a)anthracene | ug/L | 80 | | U | | 10 |
| MW-22 | Benzo(a)pyrene | ug/L | 80 | | U | | 10 |
| MW-22 | Benzo(b)fluoranthene | ug/L | 80 | | U | | 10 |
| MW-22 | Benzo(g,h,i)perylene | ug/L | 80 | | U | | 10 |
| MW-22 | Benzo(k)fluoranthene | ug/L | 80 | | U | | 10 |
| MW-22 | Bis(2-chloroethoxy)methane | ug/L | 80 | | U | | 10 |
| MW-22 | bis(2-chloroethyl) ether | ug/L | 80 | | U | | 10 |
| MW-22 | Bis(2-ethylhexyl)phthalate | ug/L | 80 | | J | U | 10 |
| MW-22 | Butylbenzylphthalate | ug/L | 80 | | U | | 10 |
| MW-22 | Carbazole | ug/L | 80 | | U | | 10 |
| MW-22 | Chrysene | ug/L | 80 | | U | | 10 |
| MW-22 | Di-n-butylphthalate | ug/L | 80 | | U | | 10 |
| MW-22 | Di-n-octylphthalate | ug/L | 80 | | U | | 10 |
| MW-22 | Dibenzo(a,h)anthracene | ug/L | 80 | | U | | 10 |
| MW-22 | Dibenzofuran | ug/L | 80 | | U | | 10 |
| MW-22 | Diethylphthalate | ug/L | 80 | | U | | 10 |
| MW-22 | Dimethylphthalate | ug/L | 80 | | U | | 10 |
| MW-22 | Fluoranthene | ug/L | 80 | | U | | 10 |
| MW-22 | Fluorene | ug/L | 80 | | U | | 10 |
| MW-22 | Hexachlorobenzene | ug/L | 80 | | U | | 10 |
| MW-22 | Hexachlorobutadiene | ug/L | 80 | | U | | 10 |
| MW-22 | Hexachlorocyclopentadiene | ug/L | 80 | | U | | 10 |
| MW-22 | Hexachloroethane | ug/L | 80 | | U | | 10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 10 |
| MW-22 | Isophorone | ug/L | 80 | | U | | 10 |
| MW-22 | N-Nitroso-di-n-propylamine | ug/L | 80 | | U | | 10 |
| MW-22 | N-Nitrosodiphenylamine | ug/L | 80 | | U | | 10 |
| MW-22 | Naphthalene | ug/L | 80 | | U | | 10 |
| MW-22 | Nitrobenzene | ug/L | 80 | | U | | 10 |
| MW-22 | Pentachlorophenol | ug/L | 200 | | U | | 25 |
| MW-22 | Phenanthrene | ug/L | 80 | | U | | 10 |
| MW-22 | Phenol | ug/L | 330 | | U | | 10 |
| MW-22 | Pyrene | ug/L | 80 | | U | | 10 |
| MW-23 | 1,2,4-Trichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-23 | 1,2-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-23 | 1,3-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-23 | 1,4-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-23 | 2,2'-oxybis(1-Chloropropane) | ug/L | 10 | | U | | 10 |
| MW-23 | 2,4,5-Trichlorophenol | ug/L | 25 | | U | | 25 |
| MW-23 | 2,4,6-Trichlorophenol | ug/L | 10 | | U | | 10 |
| MW-23 | 2,4-Dichlorophenol | ug/L | 10 | | U | | 10 |
| MW-23 | 2,4-Dimethylphenol | ug/L | 10 | | U | | 10 |
| MW-23 | 2,4-Dinitrophenol | ug/L | 25 | | U | | 25 |
| MW-23 | 2,4-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| MW-23 | 2,6-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| MW-23 | 2-Chloronaphthalene | ug/L | 10 | | U | | 10 |
| MW-23 | 2-Chlorophenol | ug/L | 10 | | U | | 10 |
| MW-23 | 2-Methylnaphthalene | ug/L | 10 | | U | | 10 |
| MW-23 | 2-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-23 | 2-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-23 | 2-Nitrophenol | ug/L | 10 | | U | | 10 |
| MW-23 | 3,3'-Dichlorobenzidine | ug/L | 10 | | U | | 10 |
| MW-23 | 3-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-23 | 4,6-Dinitro-2-methylphenol | ug/L | 25 | | U | | 25 |
| MW-23 | 4-Bromophenyl-phenylether | ug/L | 10 | | U | | 10 |
| MW-23 | 4-Chloro-3-methylphenol | ug/L | 10 | | U | | 10 |
| MW-23 | 4-Chloroaniline | ug/L | 10 | | U | | 10 |
| MW-23 | 4-Chlorophenyl-phenyl ether | ug/L | 10 | | U | | 10 |
| MW-23 | 4-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-23 | 4-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-23 | 4-Nitrophenol | ug/L | 25 | | U | | 25 |
| MW-23 | Acenaphthene | ug/L | 10 | | U | | 10 |
| MW-23 | Acenaphthylene | ug/L | 10 | | U | | 10 |
| MW-23 | Anthracene | ug/L | 10 | | U | | 10 |
| MW-23 | Benzo(a)anthracene | ug/L | 10 | | U | | 10 |
| MW-23 | Benzo(a)pyrene | ug/L | 10 | | U | | 10 |
| MW-23 | Benzo(b)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-23 | Benzo(g,h,i)perylene | ug/L | 10 | | U | | 10 |
| MW-23 | Benzo(k)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-23 | Bis(2-chloroethoxy)methane | ug/L | 10 | | U | | 10 |
| MW-23 | bis(2-chloroethyl) ether | ug/L | 10 | | U | | 10 |
| MW-23 | Bis(2-ethylhexyl)phthalate | ug/L | 10 | | U | | 10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 10 |
| MW-23 | Carbazole | ug/L | 10 | | U | | 10 |
| MW-23 | Chrysene | ug/L | 10 | | U | | 10 |
| MW-23 | Di-n-butylphthalate | ug/L | 10 | | U | | 10 |
| MW-23 | Di-n-octylphthalate | ug/L | 10 | | U | | 10 |
| MW-23 | Dibenzo(a,h)anthracene | ug/L | 10 | | U | | 10 |
| MW-23 | Dibenzofuran | ug/L | 10 | | U | | 10 |
| MW-23 | Diethylphthalate | ug/L | 10 | | U | | 10 |
| MW-23 | Dimethylphthalate | ug/L | 10 | | U | | 10 |
| MW-23 | Fluoranthene | ug/L | 10 | | U | | 10 |
| MW-23 | Fluorene | ug/L | 10 | | U | | 10 |
| MW-23 | Hexachlorobenzene | ug/L | 10 | | U | | 10 |
| MW-23 | Hexachlorobutadiene | ug/L | 10 | | U | | 10 |
| MW-23 | Hexachlorocyclopentadiene | ug/L | 10 | | U | | 10 |
| MW-23 | Hexachloroethane | ug/L | 10 | | U | | 10 |
| MW-23 | Indeno(1,2,3-cd)pyrene | ug/L | 10 | | U | | 10 |
| MW-23 | Isophorone | ug/L | 10 | | U | | 10 |
| MW-23 | N-Nitroso-di-n-propylamine | ug/L | 10 | | U | | 10 |
| MW-23 | N-Nitrosodiphenylamine | ug/L | 10 | | U | | 10 |
| MW-23 | Naphthalene | ug/L | 10 | | U | | 10 |
| MW-23 | Nitrobenzene | ug/L | 10 | | U | | 10 |
| MW-23 | Pentachlorophenol | ug/L | 25 | | U | | 25 |
| MW-23 | Phenanthrene | ug/L | 10 | | U | | 10 |
| MW-23 | Phenol | ug/L | 30 | | U | | 10 |
| MW-23 | Pyrene | ug/L | 10 | | U | | 10 |
| MW-24 | 1,2,4-Trichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-24 | 1,2-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-24 | 1,3-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-24 | 1,4-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-24 | 2,2'-oxybis(1-Chloropropane) | ug/L | 10 | | U | | 10 |
| MW-24 | 2,4,5-Trichlorophenol | ug/L | 25 | | U | | 25 |
| MW-24 | 2,4,6-Trichlorophenol | ug/L | 10 | | U | | 10 |
| MW-24 | 2,4-Dichlorophenol | ug/L | 10 | | U | | 10 |
| MW-24 | 2,4-Dimethylphenol | ug/L | 10 | | U | | 10 |
| MW-24 | 2,4-Dinitrophenol | ug/L | 25 | | U | | 25 |
| MW-24 | 2,4-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| MW-24 | 2,6-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| MW-24 | 2-Chloronaphthalene | ug/L | 10 | | U | | 10 |
| MW-24 | 2-Chlorophenol | ug/L | 10 | | U | | 10 |
| MW-24 | 2-Methylnaphthalene | ug/L | 10 | | U | | 10 |
| MW-24 | 2-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-24 | 2-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-24 | 2-Nitrophenol | ug/L | 10 | | U | | 10 |
| MW-24 | 3,3'-Dichlorobenzidine | ug/L | 10 | | U | | 10 |
| MW-24 | 3-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-24 | 4,6-Dinitro-2-methylphenol | ug/L | 25 | | U | | 25 |
| MW-24 | 4-Bromophenyl-phenylether | ug/L | 10 | | U | | 10 |
| MW-24 | 4-Chloro-3-methylphenol | ug/L | 10 | | U | | 10 |
| MW-24 | 4-Chloroaniline | ug/L | 10 | | U | | 10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 10 |
| MW-24 | 4-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-24 | 4-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-24 | 4-Nitrophenol | ug/L | 25 | | U | | 25 |
| MW-24 | Acenaphthene | ug/L | 10 | | U | | 10 |
| MW-24 | Acenaphthylene | ug/L | 10 | | U | | 10 |
| MW-24 | Anthracene | ug/L | 10 | | U | | 10 |
| MW-24 | Benzo(a)anthracene | ug/L | 10 | | U | | 10 |
| MW-24 | Benzo(a)pyrene | ug/L | 10 | | U | | 10 |
| MW-24 | Benzo(b)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-24 | Benzo(g,h,i)perylene | ug/L | 10 | | U | | 10 |
| MW-24 | Benzo(k)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-24 | Bis(2-chloroethoxy)methane | ug/L | 10 | | U | | 10 |
| MW-24 | bis(2-chloroethyl) ether | ug/L | 10 | | U | | 10 |
| MW-24 | Bis(2-ethylhexyl)phthalate | ug/L | 10 | | U | | 10 |
| MW-24 | Butylbenzylphthalate | ug/L | 10 | | U | | 10 |
| MW-24 | Carbazole | ug/L | 10 | | U | | 10 |
| MW-24 | Chrysene | ug/L | 10 | | U | | 10 |
| MW-24 | Di-n-butylphthalate | ug/L | 10 | | U | | 10 |
| MW-24 | Di-n-octylphthalate | ug/L | 10 | | U | | 10 |
| MW-24 | Dibenzo(a,h)anthracene | ug/L | 10 | | U | | 10 |
| MW-24 | Dibenzofuran | ug/L | 10 | | U | | 10 |
| MW-24 | Diethylphthalate | ug/L | 10 | | U | | 10 |
| MW-24 | Dimethylphthalate | ug/L | 10 | | U | | 10 |
| MW-24 | Fluoranthene | ug/L | 10 | | U | | 10 |
| MW-24 | Fluorene | ug/L | 10 | | U | | 10 |
| MW-24 | Hexachlorobenzene | ug/L | 10 | | U | | 10 |
| MW-24 | Hexachlorobutadiene | ug/L | 10 | | U | | 10 |
| MW-24 | Hexachlorocyclopentadiene | ug/L | 10 | | U | | 10 |
| MW-24 | Hexachloroethane | ug/L | 10 | | U | | 10 |
| MW-24 | Indeno(1,2,3-cd)pyrene | ug/L | 10 | | U | | 10 |
| MW-24 | Isophorone | ug/L | 10 | | U | | 10 |
| MW-24 | N-Nitroso-di-n-propylamine | ug/L | 10 | | U | | 10 |
| MW-24 | N-Nitrosodiphenylamine | ug/L | 10 | | U | | 10 |
| MW-24 | Naphthalene | ug/L | 10 | | U | | 10 |
| MW-24 | Nitrobenzene | ug/L | 10 | | U | | 10 |
| MW-24 | Pentachlorophenol | ug/L | 25 | | U | | 25 |
| MW-24 | Phenanthrene | ug/L | 10 | | U | | 10 |
| MW-24 | Phenol | ug/L | 16 | | U | | 10 |
| MW-24 | Pyrene | ug/L | 10 | | U | | 10 |
| MW-28 | 1,2,4-Trichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-28 | 1,2-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-28 | 1,3-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-28 | 1,4-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-28 | 2,2'-oxybis(1-Chloropropane) | ug/L | 10 | | U | | 10 |
| MW-28 | 2,4,5-Trichlorophenol | ug/L | 25 | | U | | 25 |
| MW-28 | 2,4,6-Trichlorophenol | ug/L | 10 | | U | | 10 |
| MW-28 | 2,4-Dichlorophenol | ug/L | 10 | | U | | 10 |
| MW-28 | 2,4-Dimethylphenol | ug/L | 10 | | U | | 10 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 25 |
| MW-28 | 2,4-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| MW-28 | 2,6-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| MW-28 | 2-Chloronaphthalene | ug/L | 10 | | U | | 10 |
| MW-28 | 2-Chlorophenol | ug/L | 10 | | U | | 10 |
| MW-28 | 2-Methylnaphthalene | ug/L | 10 | | U | | 10 |
| MW-28 | 2-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-28 | 2-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-28 | 2-Nitrophenol | ug/L | 10 | | U | | 10 |
| MW-28 | 3,3'-Dichlorobenzidine | ug/L | 10 | | U | | 10 |
| MW-28 | 3-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-28 | 4,6-Dinitro-2-methylphenol | ug/L | 25 | | U | | 25 |
| MW-28 | 4-Bromophenyl-phenylether | ug/L | 10 | | U | | 10 |
| MW-28 | 4-Chloro-3-methylphenol | ug/L | 10 | | U | | 10 |
| MW-28 | 4-Chloroaniline | ug/L | 10 | | U | | 10 |
| MW-28 | 4-Chlorophenyl-phenyl ether | ug/L | 10 | | U | | 10 |
| MW-28 | 4-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-28 | 4-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-28 | 4-Nitrophenol | ug/L | 25 | | U | | 25 |
| MW-28 | Acenaphthene | ug/L | 10 | | U | | 10 |
| MW-28 | Acenaphthylene | ug/L | 10 | | U | | 10 |
| MW-28 | Anthracene | ug/L | 10 | | U | | 10 |
| MW-28 | Benzo(a)anthracene | ug/L | 10 | | U | | 10 |
| MW-28 | Benzo(a)pyrene | ug/L | 10 | | U | | 10 |
| MW-28 | Benzo(b)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-28 | Benzo(g,h,i)perylene | ug/L | 10 | | U | | 10 |
| MW-28 | Benzo(k)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-28 | Bis(2-chloroethoxy)methane | ug/L | 10 | | U | | 10 |
| MW-28 | bis(2-chloroethyl) ether | ug/L | 10 | | U | | 10 |
| MW-28 | Bis(2-ethylhexyl)phthalate | ug/L | 19 | | U | | 10 |
| MW-28 | Butylbenzylphthalate | ug/L | 10 | | U | | 10 |
| MW-28 | Carbazole | ug/L | 10 | | U | | 10 |
| MW-28 | Chrysene | ug/L | 10 | | U | | 10 |
| MW-28 | Di-n-butylphthalate | ug/L | 10 | | U | | 10 |
| MW-28 | Di-n-octylphthalate | ug/L | 10 | | U | | 10 |
| MW-28 | Dibenzo(a,h)anthracene | ug/L | 10 | | U | | 10 |
| MW-28 | Dibenzofuran | ug/L | 10 | | U | | 10 |
| MW-28 | Diethylphthalate | ug/L | 10 | | U | | 10 |
| MW-28 | Dimethylphthalate | ug/L | 10 | | U | | 10 |
| MW-28 | Fluoranthene | ug/L | 10 | | U | | 10 |
| MW-28 | Fluorene | ug/L | 10 | | U | | 10 |
| MW-28 | Hexachlorobenzene | ug/L | 10 | | U | | 10 |
| MW-28 | Hexachlorobutadiene | ug/L | 10 | | U | | 10 |
| MW-28 | Hexachlorocyclopentadiene | ug/L | 10 | | U | | 10 |
| MW-28 | Hexachloroethane | ug/L | 10 | | U | | 10 |
| MW-28 | Indeno(1,2,3-cd)pyrene | ug/L | 10 | | U | | 10 |
| MW-28 | Isophorone | ug/L | 10 | | U | | 10 |
| MW-28 | N-Nitroso-di-n-propylamine | ug/L | 10 | | U | | 10 |
| MW-28 | N-Nitrosodiphenylamine | ug/L | 10 | | U | | 10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 10 |
| MW-28 | Nitrobenzene | ug/L | 10 | | U | | 10 |
| MW-28 | Pentachlorophenol | ug/L | 25 | | U | | 25 |
| MW-28 | Phenanthrene | ug/L | 10 | | U | | 10 |
| MW-28 | Phenol | ug/L | 75 | | U | | 10 |
| MW-28 | Pyrene | ug/L | 10 | | U | | 10 |
| MW-29 | 1,2,4-Trichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-29 | 1,2-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-29 | 1,3-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-29 | 1,4-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-29 | 2,2'-oxybis(1-Chloropropane) | ug/L | 10 | | U | UJ | 10 |
| MW-29 | 2,4,5-Trichlorophenol | ug/L | 25 | | U | | 25 |
| MW-29 | 2,4,6-Trichlorophenol | ug/L | 10 | | U | | 10 |
| MW-29 | 2,4-Dichlorophenol | ug/L | 10 | | U | | 10 |
| MW-29 | 2,4-Dimethylphenol | ug/L | 10 | | U | | 10 |
| MW-29 | 2,4-Dinitrophenol | ug/L | 25 | | U | UJ | 25 |
| MW-29 | 2,4-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| MW-29 | 2,6-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| MW-29 | 2-Chloronaphthalene | ug/L | 10 | | U | | 10 |
| MW-29 | 2-Chlorophenol | ug/L | 10 | | U | | 10 |
| MW-29 | 2-Methylnaphthalene | ug/L | 10 | | U | | 10 |
| MW-29 | 2-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-29 | 2-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-29 | 2-Nitrophenol | ug/L | 10 | | U | | 10 |
| MW-29 | 3,3'-Dichlorobenzidine | ug/L | 10 | | U | | 10 |
| MW-29 | 3-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-29 | 4,6-Dinitro-2-methylphenol | ug/L | 25 | | U | UJ | 25 |
| MW-29 | 4-Bromophenyl-phenylether | ug/L | 10 | | U | | 10 |
| MW-29 | 4-Chloro-3-methylphenol | ug/L | 10 | | U | | 10 |
| MW-29 | 4-Chloroaniline | ug/L | 10 | | U | | 10 |
| MW-29 | 4-Chlorophenyl-phenyl ether | ug/L | 10 | | U | | 10 |
| MW-29 | 4-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-29 | 4-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-29 | 4-Nitrophenol | ug/L | 25 | | U | UJ | 25 |
| MW-29 | Acenaphthene | ug/L | 10 | | U | | 10 |
| MW-29 | Acenaphthylene | ug/L | 10 | | U | | 10 |
| MW-29 | Anthracene | ug/L | 10 | | U | | 10 |
| MW-29 | Benzo(a)anthracene | ug/L | 10 | | U | | 10 |
| MW-29 | Benzo(a)pyrene | ug/L | 10 | | U | | 10 |
| MW-29 | Benzo(b)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-29 | Benzo(g,h,i)perylene | ug/L | 10 | | U | | 10 |
| MW-29 | Benzo(k)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-29 | Bis(2-chloroethoxy)methane | ug/L | 10 | | U | | 10 |
| MW-29 | bis(2-chloroethyl) ether | ug/L | 10 | | U | | 10 |
| MW-29 | Bis(2-ethylhexyl)phthalate | ug/L | 27 | **49** | | | 10 |
| MW-29 | Butylbenzylphthalate | ug/L | 10 | | U | | 10 |
| MW-29 | Carbazole | ug/L | 10 | | U | | 10 |
| MW-29 | Chrysene | ug/L | 10 | | U | UJ | 10 |
| MW-29 | Di-n-butylphthalate | ug/L | 10 | | U | | 10 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 10 |
| MW-29 | Dibenzo(a,h)anthracene | ug/L | 10 | | U | | 10 |
| MW-29 | Dibenzofuran | ug/L | 10 | | U | | 10 |
| MW-29 | Diethylphthalate | ug/L | 10 | | U | | 10 |
| MW-29 | Dimethylphthalate | ug/L | 10 | | U | | 10 |
| MW-29 | Fluoranthene | ug/L | 10 | | U | | 10 |
| MW-29 | Fluorene | ug/L | 10 | | U | | 10 |
| MW-29 | Hexachlorobenzene | ug/L | 10 | | U | | 10 |
| MW-29 | Hexachlorobutadiene | ug/L | 10 | | U | | 10 |
| MW-29 | Hexachlorocyclopentadiene | ug/L | 10 | | U | | 10 |
| MW-29 | Hexachloroethane | ug/L | 10 | | U | | 10 |
| MW-29 | Indeno(1,2,3-cd)pyrene | ug/L | 10 | | U | | 10 |
| MW-29 | Isophorone | ug/L | 10 | | U | | 10 |
| MW-29 | N-Nitroso-di-n-propylamine | ug/L | 10 | | U | | 10 |
| MW-29 | N-Nitrosodiphenylamine | ug/L | 10 | | U | | 10 |
| MW-29 | Naphthalene | ug/L | 10 | | U | | 10 |
| MW-29 | Nitrobenzene | ug/L | 10 | | U | | 10 |
| MW-29 | Pentachlorophenol | ug/L | 25 | | U | | 25 |
| MW-29 | Phenanthrene | ug/L | 10 | | U | | 10 |
| MW-29 | Phenol | ug/L | 43 | | U | | 10 |
| MW-29 | Pyrene | ug/L | 10 | | U | UJ | 10 |
| MW-30 | 1,2,4-Trichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-30 | 1,2-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-30 | 1,3-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-30 | 1,4-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-30 | 2,2'-oxybis(1-Chloropropane) | ug/L | 10 | | U | | 10 |
| MW-30 | 2,4,5-Trichlorophenol | ug/L | 25 | | U | | 25 |
| MW-30 | 2,4,6-Trichlorophenol | ug/L | 10 | | U | | 10 |
| MW-30 | 2,4-Dichlorophenol | ug/L | 10 | | U | | 10 |
| MW-30 | 2,4-Dimethylphenol | ug/L | 10 | | U | | 10 |
| MW-30 | 2,4-Dinitrophenol | ug/L | 25 | | U | | 25 |
| MW-30 | 2,4-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| MW-30 | 2,6-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| MW-30 | 2-Chloronaphthalene | ug/L | 10 | | U | | 10 |
| MW-30 | 2-Chlorophenol | ug/L | 10 | | U | | 10 |
| MW-30 | 2-Methylnaphthalene | ug/L | 10 | | U | | 10 |
| MW-30 | 2-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-30 | 2-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-30 | 2-Nitrophenol | ug/L | 10 | | U | | 10 |
| MW-30 | 3,3'-Dichlorobenzidine | ug/L | 10 | | U | | 10 |
| MW-30 | 3-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-30 | 4,6-Dinitro-2-methylphenol | ug/L | 25 | | U | | 25 |
| MW-30 | 4-Bromophenyl-phenylether | ug/L | 10 | | U | | 10 |
| MW-30 | 4-Chloro-3-methylphenol | ug/L | 10 | | U | | 10 |
| MW-30 | 4-Chloroaniline | ug/L | 10 | | U | | 10 |
| MW-30 | 4-Chlorophenyl-phenyl ether | ug/L | 10 | | U | | 10 |
| MW-30 | 4-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-30 | 4-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-30 | 4-Nitrophenol | ug/L | 25 | | U | | 25 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 10 |
| MW-30 | Acenaphthylene | ug/L | 10 | | U | | 10 |
| MW-30 | Anthracene | ug/L | 10 | | U | | 10 |
| MW-30 | Benzo(a)anthracene | ug/L | 10 | | U | | 10 |
| MW-30 | Benzo(a)pyrene | ug/L | 10 | | U | | 10 |
| MW-30 | Benzo(b)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-30 | Benzo(g,h,i)perylene | ug/L | 10 | | U | | 10 |
| MW-30 | Benzo(k)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-30 | Bis(2-chloroethoxy)methane | ug/L | 10 | | U | | 10 |
| MW-30 | bis(2-chloroethyl) ether | ug/L | 10 | | U | | 10 |
| MW-30 | Bis(2-ethylhexyl)phthalate | ug/L | 68 | | U | | 10 |
| MW-30 | Butylbenzylphthalate | ug/L | 10 | | U | | 10 |
| MW-30 | Carbazole | ug/L | 10 | | U | | 10 |
| MW-30 | Chrysene | ug/L | 10 | | U | | 10 |
| MW-30 | Di-n-butylphthalate | ug/L | 10 | | U | | 10 |
| MW-30 | Di-n-octylphthalate | ug/L | 10 | | U | | 10 |
| MW-30 | Dibenzo(a,h)anthracene | ug/L | 10 | | U | | 10 |
| MW-30 | Dibenzofuran | ug/L | 10 | | U | | 10 |
| MW-30 | Diethylphthalate | ug/L | 10 | | U | | 10 |
| MW-30 | Dimethylphthalate | ug/L | 10 | | U | | 10 |
| MW-30 | Fluoranthene | ug/L | 10 | | U | | 10 |
| MW-30 | Fluorene | ug/L | 10 | | U | | 10 |
| MW-30 | Hexachlorobenzene | ug/L | 10 | | U | | 10 |
| MW-30 | Hexachlorobutadiene | ug/L | 10 | | U | | 10 |
| MW-30 | Hexachlorocyclopentadiene | ug/L | 10 | | U | | 10 |
| MW-30 | Hexachloroethane | ug/L | 10 | | U | | 10 |
| MW-30 | Indeno(1,2,3-cd)pyrene | ug/L | 10 | | U | | 10 |
| MW-30 | Isophorone | ug/L | 10 | | U | | 10 |
| MW-30 | N-Nitroso-di-n-propylamine | ug/L | 10 | | U | | 10 |
| MW-30 | N-Nitrosodiphenylamine | ug/L | 10 | | U | | 10 |
| MW-30 | Naphthalene | ug/L | 10 | | U | | 10 |
| MW-30 | Nitrobenzene | ug/L | 10 | | U | | 10 |
| MW-30 | Pentachlorophenol | ug/L | 25 | | U | | 25 |
| MW-30 | Phenanthrene | ug/L | 10 | | U | | 10 |
| MW-30 | Phenol | ug/L | 40 | | BJ | U | 10 |
| MW-30 | Pyrene | ug/L | 10 | | U | | 10 |
| MW-31 | 1,2,4-Trichlorobenzene | ug/L | 20 | | U | | 10 |
| MW-31 | 1,2-Dichlorobenzene | ug/L | 20 | | U | | 10 |
| MW-31 | 1,3-Dichlorobenzene | ug/L | 20 | | U | | 10 |
| MW-31 | 1,4-Dichlorobenzene | ug/L | 20 | | U | | 10 |
| MW-31 | 2,2'-oxybis(1-Chloropropane) | ug/L | 20 | | U | | 10 |
| MW-31 | 2,4,5-Trichlorophenol | ug/L | 50 | | U | | 25 |
| MW-31 | 2,4,6-Trichlorophenol | ug/L | 20 | | U | | 10 |
| MW-31 | 2,4-Dichlorophenol | ug/L | 20 | | U | | 10 |
| MW-31 | 2,4-Dimethylphenol | ug/L | 20 | | U | | 10 |
| MW-31 | 2,4-Dinitrophenol | ug/L | 50 | | U | | 25 |
| MW-31 | 2,4-Dinitrotoluene | ug/L | 20 | | U | | 10 |
| MW-31 | 2,6-Dinitrotoluene | ug/L | 20 | | U | | 10 |
| MW-31 | 2-Chloronaphthalene | ug/L | 20 | | U | | 10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 10 |
| MW-31 | 2-Methylnaphthalene | ug/L | 20 | | U | | 10 |
| MW-31 | 2-Methylphenol | ug/L | 20 | | U | | 10 |
| MW-31 | 2-Nitroaniline | ug/L | 50 | | U | | 25 |
| MW-31 | 2-Nitrophenol | ug/L | 20 | | U | | 10 |
| MW-31 | 3,3'-Dichlorobenzidine | ug/L | 20 | | U | | 10 |
| MW-31 | 3-Nitroaniline | ug/L | 50 | | U | | 25 |
| MW-31 | 4,6-Dinitro-2-methylphenol | ug/L | 50 | | U | | 25 |
| MW-31 | 4-Bromophenyl-phenylether | ug/L | 20 | | U | | 10 |
| MW-31 | 4-Chloro-3-methylphenol | ug/L | 20 | | U | | 10 |
| MW-31 | 4-Chloroaniline | ug/L | 20 | | U | | 10 |
| MW-31 | 4-Chlorophenyl-phenyl ether | ug/L | 20 | | U | | 10 |
| MW-31 | 4-Methylphenol | ug/L | 20 | | U | | 10 |
| MW-31 | 4-Nitroaniline | ug/L | 50 | | U | | 25 |
| MW-31 | 4-Nitrophenol | ug/L | 50 | | U | | 25 |
| MW-31 | Acenaphthene | ug/L | 20 | | U | | 10 |
| MW-31 | Acenaphthylene | ug/L | 20 | | U | | 10 |
| MW-31 | Anthracene | ug/L | 20 | | U | | 10 |
| MW-31 | Benzo(a)anthracene | ug/L | 20 | | U | | 10 |
| MW-31 | Benzo(a)pyrene | ug/L | 20 | | U | | 10 |
| MW-31 | Benzo(b)fluoranthene | ug/L | 20 | | U | | 10 |
| MW-31 | Benzo(g,h,i)perylene | ug/L | 20 | | U | | 10 |
| MW-31 | Benzo(k)fluoranthene | ug/L | 20 | | U | | 10 |
| MW-31 | Bis(2-chloroethoxy)methane | ug/L | 20 | | U | | 10 |
| MW-31 | bis(2-chloroethyl) ether | ug/L | 20 | | U | | 10 |
| MW-31 | Bis(2-ethylhexyl)phthalate | ug/L | 20 | 13 | B | | 10 |
| MW-31 | Butylbenzylphthalate | ug/L | 20 | | U | | 10 |
| MW-31 | Carbazole | ug/L | 20 | | U | | 10 |
| MW-31 | Chrysene | ug/L | 20 | | U | | 10 |
| MW-31 | Di-n-butylphthalate | ug/L | 20 | | U | | 10 |
| MW-31 | Di-n-octylphthalate | ug/L | 20 | | U | | 10 |
| MW-31 | Dibenzo(a,h)anthracene | ug/L | 20 | | U | | 10 |
| MW-31 | Dibenzofuran | ug/L | 20 | | U | | 10 |
| MW-31 | Diethylphthalate | ug/L | 20 | | U | | 10 |
| MW-31 | Dimethylphthalate | ug/L | 20 | | U | | 10 |
| MW-31 | Fluoranthene | ug/L | 20 | | U | | 10 |
| MW-31 | Fluorene | ug/L | 20 | | U | | 10 |
| MW-31 | Hexachlorobenzene | ug/L | 20 | | U | | 10 |
| MW-31 | Hexachlorobutadiene | ug/L | 20 | | U | | 10 |
| MW-31 | Hexachlorocyclopentadiene | ug/L | 20 | | U | | 10 |
| MW-31 | Hexachloroethane | ug/L | 20 | | U | | 10 |
| MW-31 | Indeno(1,2,3-cd)pyrene | ug/L | 20 | | U | | 10 |
| MW-31 | Isophorone | ug/L | 20 | | U | | 10 |
| MW-31 | N-Nitroso-di-n-propylamine | ug/L | 20 | | U | | 10 |
| MW-31 | N-Nitrosodiphenylamine | ug/L | 20 | | U | | 10 |
| MW-31 | Naphthalene | ug/L | 20 | | U | | 10 |
| MW-31 | Nitrobenzene | ug/L | 20 | | U | | 10 |
| MW-31 | Pentachlorophenol | ug/L | 50 | | U | | 25 |
| MW-31 | Phenanthrene | ug/L | 20 | | U | | 10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 10 |
| MW-31 | Pyrene | ug/L | 20 | | U | | 10 |
| MW-32 | 1,2,4-Trichlorobenzene | ug/L | 20 | | U | | 10 |
| MW-32 | 1,2-Dichlorobenzene | ug/L | 20 | | U | | 10 |
| MW-32 | 1,3-Dichlorobenzene | ug/L | 20 | | U | | 10 |
| MW-32 | 1,4-Dichlorobenzene | ug/L | 20 | | U | | 10 |
| MW-32 | 2,2'-oxybis(1-Chloropropane) | ug/L | 20 | | U | | 10 |
| MW-32 | 2,4,5-Trichlorophenol | ug/L | 50 | | U | | 25 |
| MW-32 | 2,4,6-Trichlorophenol | ug/L | 20 | | U | | 10 |
| MW-32 | 2,4-Dichlorophenol | ug/L | 20 | | U | | 10 |
| MW-32 | 2,4-Dimethylphenol | ug/L | 20 | | U | | 10 |
| MW-32 | 2,4-Dinitrophenol | ug/L | 50 | | U | | 25 |
| MW-32 | 2,4-Dinitrotoluene | ug/L | 20 | | U | | 10 |
| MW-32 | 2,6-Dinitrotoluene | ug/L | 20 | | U | | 10 |
| MW-32 | 2-Chloronaphthalene | ug/L | 20 | | U | | 10 |
| MW-32 | 2-Chlorophenol | ug/L | 20 | | U | | 10 |
| MW-32 | 2-Methylnaphthalene | ug/L | 20 | | U | | 10 |
| MW-32 | 2-Methylphenol | ug/L | 20 | | U | | 10 |
| MW-32 | 2-Nitroaniline | ug/L | 50 | | U | | 25 |
| MW-32 | 2-Nitrophenol | ug/L | 20 | | U | | 10 |
| MW-32 | 3,3'-Dichlorobenzidine | ug/L | 20 | | U | | 10 |
| MW-32 | 3-Nitroaniline | ug/L | 50 | | U | | 25 |
| MW-32 | 4,6-Dinitro-2-methylphenol | ug/L | 50 | | U | | 25 |
| MW-32 | 4-Bromophenyl-phenylether | ug/L | 20 | | U | | 10 |
| MW-32 | 4-Chloro-3-methylphenol | ug/L | 20 | | U | | 10 |
| MW-32 | 4-Chloroaniline | ug/L | 20 | | U | | 10 |
| MW-32 | 4-Chlorophenyl-phenyl ether | ug/L | 20 | | U | | 10 |
| MW-32 | 4-Methylphenol | ug/L | 20 | | U | | 10 |
| MW-32 | 4-Nitroaniline | ug/L | 50 | | U | | 25 |
| MW-32 | 4-Nitrophenol | ug/L | 50 | | U | | 25 |
| MW-32 | Acenaphthene | ug/L | 20 | | U | | 10 |
| MW-32 | Acenaphthylene | ug/L | 20 | | U | | 10 |
| MW-32 | Anthracene | ug/L | 20 | | U | | 10 |
| MW-32 | Benzo(a)anthracene | ug/L | 20 | | U | | 10 |
| MW-32 | Benzo(a)pyrene | ug/L | 20 | | U | | 10 |
| MW-32 | Benzo(b)fluoranthene | ug/L | 20 | | U | | 10 |
| MW-32 | Benzo(g,h,i)perylene | ug/L | 20 | | U | | 10 |
| MW-32 | Benzo(k)fluoranthene | ug/L | 20 | | U | | 10 |
| MW-32 | Bis(2-chloroethoxy)methane | ug/L | 20 | | U | | 10 |
| MW-32 | bis(2-chloroethyl) ether | ug/L | 20 | | U | | 10 |
| MW-32 | Bis(2-ethylhexyl)phthalate | ug/L | 31 | | U | | 10 |
| MW-32 | Butylbenzylphthalate | ug/L | 20 | | U | | 10 |
| MW-32 | Carbazole | ug/L | 20 | | U | | 10 |
| MW-32 | Chrysene | ug/L | 20 | | U | | 10 |
| MW-32 | Di-n-butylphthalate | ug/L | 20 | | U | | 10 |
| MW-32 | Di-n-octylphthalate | ug/L | 20 | | U | | 10 |
| MW-32 | Dibenzo(a,h)anthracene | ug/L | 20 | | U | | 10 |
| MW-32 | Dibenzofuran | ug/L | 20 | | U | | 10 |
| MW-32 | Diethylphthalate | ug/L | 20 | 16 | | | 10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 10 |
| MW-32 | Fluoranthene | ug/L | 20 | | U | | 10 |
| MW-32 | Fluorene | ug/L | 20 | | U | | 10 |
| MW-32 | Hexachlorobenzene | ug/L | 20 | | U | | 10 |
| MW-32 | Hexachlorobutadiene | ug/L | 20 | | U | | 10 |
| MW-32 | Hexachlorocyclopentadiene | ug/L | 20 | | U | | 10 |
| MW-32 | Hexachloroethane | ug/L | 20 | | U | | 10 |
| MW-32 | Indeno(1,2,3-cd)pyrene | ug/L | 20 | | U | | 10 |
| MW-32 | Isophorone | ug/L | 20 | | U | | 10 |
| MW-32 | N-Nitroso-di-n-propylamine | ug/L | 20 | | U | | 10 |
| MW-32 | N-Nitrosodiphenylamine | ug/L | 20 | | U | | 10 |
| MW-32 | Naphthalene | ug/L | 20 | | U | | 10 |
| MW-32 | Nitrobenzene | ug/L | 20 | | U | | 10 |
| MW-32 | Pentachlorophenol | ug/L | 50 | | U | | 25 |
| MW-32 | Phenanthrene | ug/L | 20 | | U | | 10 |
| MW-32 | Phenol | ug/L | 110 | | U | | 10 |
| MW-32 | Pyrene | ug/L | 20 | | U | | 10 |
| MW-33 | 1,2,4-Trichlorobenzene | ug/L | 20 | | U | | 10 |
| MW-33 | 1,2-Dichlorobenzene | ug/L | 20 | | U | | 10 |
| MW-33 | 1,3-Dichlorobenzene | ug/L | 20 | | U | | 10 |
| MW-33 | 1,4-Dichlorobenzene | ug/L | 20 | | U | | 10 |
| MW-33 | 2,2'-oxybis(1-Chloropropane) | ug/L | 20 | | U | | 10 |
| MW-33 | 2,4,5-Trichlorophenol | ug/L | 50 | | U | | 25 |
| MW-33 | 2,4,6-Trichlorophenol | ug/L | 20 | | U | | 10 |
| MW-33 | 2,4-Dichlorophenol | ug/L | 20 | | U | | 10 |
| MW-33 | 2,4-Dimethylphenol | ug/L | 20 | | U | | 10 |
| MW-33 | 2,4-Dinitrophenol | ug/L | 50 | | U | | 25 |
| MW-33 | 2,4-Dinitrotoluene | ug/L | 20 | | U | | 10 |
| MW-33 | 2,6-Dinitrotoluene | ug/L | 20 | | U | | 10 |
| MW-33 | 2-Chloronaphthalene | ug/L | 20 | | U | | 10 |
| MW-33 | 2-Chlorophenol | ug/L | 20 | | U | | 10 |
| MW-33 | 2-Methylnaphthalene | ug/L | 20 | | U | | 10 |
| MW-33 | 2-Methylphenol | ug/L | 20 | | U | | 10 |
| MW-33 | 2-Nitroaniline | ug/L | 50 | | U | | 25 |
| MW-33 | 2-Nitrophenol | ug/L | 20 | | U | | 10 |
| MW-33 | 3,3'-Dichlorobenzidine | ug/L | 20 | | U | | 10 |
| MW-33 | 3-Nitroaniline | ug/L | 50 | | U | | 25 |
| MW-33 | 4,6-Dinitro-2-methylphenol | ug/L | 50 | | U | | 25 |
| MW-33 | 4-Bromophenyl-phenylether | ug/L | 20 | | U | | 10 |
| MW-33 | 4-Chloro-3-methylphenol | ug/L | 20 | | U | | 10 |
| MW-33 | 4-Chloroaniline | ug/L | 20 | | U | | 10 |
| MW-33 | 4-Chlorophenyl-phenyl ether | ug/L | 20 | | U | | 10 |
| MW-33 | 4-Methylphenol | ug/L | 20 | | U | | 10 |
| MW-33 | 4-Nitroaniline | ug/L | 50 | | U | | 25 |
| MW-33 | 4-Nitrophenol | ug/L | 50 | | U | | 25 |
| MW-33 | Acenaphthene | ug/L | 20 | | U | | 10 |
| MW-33 | Acenaphthylene | ug/L | 20 | | U | | 10 |
| MW-33 | Anthracene | ug/L | 20 | | U | | 10 |
| MW-33 | Benzo(a)anthracene | ug/L | 20 | | U | | 10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 10 |
| MW-33 | Benzo(b)fluoranthene | ug/L | 20 | | U | | 10 |
| MW-33 | Benzo(g,h,i)perylene | ug/L | 20 | | U | | 10 |
| MW-33 | Benzo(k)fluoranthene | ug/L | 20 | | U | | 10 |
| MW-33 | Bis(2-chloroethoxy)methane | ug/L | 20 | | U | | 10 |
| MW-33 | bis(2-chloroethyl) ether | ug/L | 20 | | U | | 10 |
| MW-33 | Bis(2-ethylhexyl)phthalate | ug/L | 76 | | J | U | 10 |
| MW-33 | Butylbenzylphthalate | ug/L | 20 | | U | | 10 |
| MW-33 | Carbazole | ug/L | 20 | | U | | 10 |
| MW-33 | Chrysene | ug/L | 20 | | U | | 10 |
| MW-33 | Di-n-butylphthalate | ug/L | 20 | | U | | 10 |
| MW-33 | Di-n-octylphthalate | ug/L | 20 | | U | | 10 |
| MW-33 | Dibenzo(a,h)anthracene | ug/L | 20 | | U | | 10 |
| MW-33 | Dibenzofuran | ug/L | 20 | | U | | 10 |
| MW-33 | Diethylphthalate | ug/L | 20 | | U | | 10 |
| MW-33 | Dimethylphthalate | ug/L | 20 | | U | | 10 |
| MW-33 | Fluoranthene | ug/L | 20 | | U | | 10 |
| MW-33 | Fluorene | ug/L | 20 | | U | | 10 |
| MW-33 | Hexachlorobenzene | ug/L | 20 | | U | | 10 |
| MW-33 | Hexachlorobutadiene | ug/L | 20 | | U | | 10 |
| MW-33 | Hexachlorocyclopentadiene | ug/L | 20 | | U | | 10 |
| MW-33 | Hexachloroethane | ug/L | 20 | | U | | 10 |
| MW-33 | Indeno(1,2,3-cd)pyrene | ug/L | 20 | | U | | 10 |
| MW-33 | Isophorone | ug/L | 20 | | U | | 10 |
| MW-33 | N-Nitroso-di-n-propylamine | ug/L | 20 | | U | | 10 |
| MW-33 | N-Nitrosodiphenylamine | ug/L | 20 | | U | | 10 |
| MW-33 | Naphthalene | ug/L | 20 | | U | | 10 |
| MW-33 | Nitrobenzene | ug/L | 20 | | U | | 10 |
| MW-33 | Pentachlorophenol | ug/L | 50 | | U | | 25 |
| MW-33 | Phenanthrene | ug/L | 20 | | U | | 10 |
| MW-33 | Phenol | ug/L | 83 | | U | | 10 |
| MW-33 | Pyrene | ug/L | 20 | | U | | 10 |
| MW-34 | 1,2,4-Trichlorobenzene | ug/L | 80 | | U | | 10 |
| MW-34 | 1,2-Dichlorobenzene | ug/L | 80 | | U | | 10 |
| MW-34 | 1,3-Dichlorobenzene | ug/L | 80 | | U | | 10 |
| MW-34 | 1,4-Dichlorobenzene | ug/L | 80 | | U | | 10 |
| MW-34 | 2,2'-oxybis(1-Chloropropane) | ug/L | 80 | | U | UJ | 10 |
| MW-34 | 2,4,5-Trichlorophenol | ug/L | 200 | | U | | 25 |
| MW-34 | 2,4,6-Trichlorophenol | ug/L | 80 | | U | | 10 |
| MW-34 | 2,4-Dichlorophenol | ug/L | 80 | | U | | 10 |
| MW-34 | 2,4-Dimethylphenol | ug/L | 80 | | U | | 10 |
| MW-34 | 2,4-Dinitrophenol | ug/L | 200 | | U | UJ | 25 |
| 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 | | 10 |
| MW-34 | 2-Methylnaphthalene | ug/L | 80 | | U | | 10 |
| MW-34 | 2-Methylphenol | ug/L | 80 | | U | | 10 |
| MW-34 | 2-Nitroaniline | ug/L | 200 | | U | | 25 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 10 |
| MW-34 | 3,3'-Dichlorobenzidine | ug/L | 80 | | U | | 10 |
| MW-34 | 3-Nitroaniline | ug/L | 200 | | U | | 25 |
| MW-34 | 4,6-Dinitro-2-methylphenol | ug/L | 200 | | U | UJ | 25 |
| MW-34 | 4-Bromophenyl-phenylether | ug/L | 80 | | U | | 10 |
| MW-34 | 4-Chloro-3-methylphenol | ug/L | 80 | | U | | 10 |
| MW-34 | 4-Chloroaniline | ug/L | 80 | | U | | 10 |
| MW-34 | 4-Chlorophenyl-phenyl ether | ug/L | 80 | | U | | 10 |
| MW-34 | 4-Methylphenol | ug/L | 80 | | U | | 10 |
| MW-34 | 4-Nitroaniline | ug/L | 200 | | U | | 25 |
| MW-34 | 4-Nitrophenol | ug/L | 200 | | U | UJ | 25 |
| 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 | | 10 |
| MW-34 | bis(2-chloroethyl) ether | ug/L | 80 | | U | | 10 |
| MW-34 | Bis(2-ethylhexyl)phthalate | ug/L | 80 | 3.0 | J | | 10 |
| MW-34 | Butylbenzylphthalate | ug/L | 80 | | U | | 10 |
| MW-34 | Carbazole | ug/L | 80 | | U | | 10 |
| MW-34 | Chrysene | ug/L | 80 | | U | UJ | 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 | | 10 |
| MW-34 | Hexachlorocyclopentadiene | ug/L | 80 | | U | | 10 |
| MW-34 | Hexachloroethane | ug/L | 80 | | U | | 10 |
| MW-34 | Indeno(1,2,3-cd)pyrene | ug/L | 80 | | U | | 10 |
| MW-34 | Isophorone | ug/L | 80 | | U | | 10 |
| MW-34 | N-Nitroso-di-n-propylamine | ug/L | 80 | | U | | 10 |
| MW-34 | N-Nitrosodiphenylamine | ug/L | 80 | | U | | 10 |
| MW-34 | Naphthalene | ug/L | 80 | | U | | 10 |
| MW-34 | Nitrobenzene | ug/L | 80 | | U | | 10 |
| MW-34 | Pentachlorophenol | ug/L | 200 | | U | | 25 |
| MW-34 | Phenanthrene | ug/L | 80 | | U | | 10 |
| MW-34 | Phenol | ug/L | 340 | | U | | 10 |
| MW-34 | Pyrene | ug/L | 80 | | U | UJ | 10 |
| MW-36 | 1,2,4-Trichlorobenzene | ug/L | 30 | | U | | 10 |
| MW-36 | 1,2-Dichlorobenzene | ug/L | 30 | | U | | 10 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 10 |
| MW-36 | 1,4-Dichlorobenzene | ug/L | 30 | | U | | 10 |
| MW-36 | 2,2'-oxybis(1-Chloropropane) | ug/L | 30 | | U | | 10 |
| MW-36 | 2,4,5-Trichlorophenol | ug/L | 75 | | U | | 25 |
| MW-36 | 2,4,6-Trichlorophenol | ug/L | 30 | | U | | 10 |
| MW-36 | 2,4-Dichlorophenol | ug/L | 30 | | U | | 10 |
| MW-36 | 2,4-Dimethylphenol | ug/L | 30 | | U | | 10 |
| MW-36 | 2,4-Dinitrophenol | ug/L | 75 | | U | | 25 |
| MW-36 | 2,4-Dinitrotoluene | ug/L | 30 | | U | | 10 |
| MW-36 | 2,6-Dinitrotoluene | ug/L | 30 | | U | | 10 |
| MW-36 | 2-Chloronaphthalene | ug/L | 30 | | U | | 10 |
| MW-36 | 2-Chlorophenol | ug/L | 30 | | U | | 10 |
| MW-36 | 2-Methylnaphthalene | ug/L | 30 | | U | | 10 |
| MW-36 | 2-Methylphenol | ug/L | 30 | | U | | 10 |
| MW-36 | 2-Nitroaniline | ug/L | 75 | | U | | 25 |
| MW-36 | 2-Nitrophenol | ug/L | 30 | | U | | 10 |
| MW-36 | 3,3'-Dichlorobenzidine | ug/L | 30 | | U | | 10 |
| MW-36 | 3-Nitroaniline | ug/L | 75 | | U | | 25 |
| MW-36 | 4,6-Dinitro-2-methylphenol | ug/L | 75 | | U | | 25 |
| MW-36 | 4-Bromophenyl-phenylether | ug/L | 30 | | U | | 10 |
| MW-36 | 4-Chloro-3-methylphenol | ug/L | 30 | | U | | 10 |
| MW-36 | 4-Chloroaniline | ug/L | 30 | | U | | 10 |
| MW-36 | 4-Chlorophenyl-phenyl ether | ug/L | 30 | | U | | 10 |
| MW-36 | 4-Methylphenol | ug/L | 30 | | U | | 10 |
| MW-36 | 4-Nitroaniline | ug/L | 75 | | U | | 25 |
| MW-36 | 4-Nitrophenol | ug/L | 75 | | U | | 25 |
| MW-36 | Acenaphthene | ug/L | 30 | | U | | 10 |
| MW-36 | Acenaphthylene | ug/L | 30 | | U | | 10 |
| MW-36 | Anthracene | ug/L | 30 | | U | | 10 |
| MW-36 | Benzo(a)anthracene | ug/L | 30 | | U | | 10 |
| MW-36 | Benzo(a)pyrene | ug/L | 30 | | U | | 10 |
| MW-36 | Benzo(b)fluoranthene | ug/L | 30 | | U | | 10 |
| MW-36 | Benzo(g,h,i)perylene | ug/L | 30 | | U | | 10 |
| MW-36 | Benzo(k)fluoranthene | ug/L | 30 | | U | | 10 |
| MW-36 | Bis(2-chloroethoxy)methane | ug/L | 30 | | U | | 10 |
| MW-36 | bis(2-chloroethyl) ether | ug/L | 30 | | U | | 10 |
| MW-36 | Bis(2-ethylhexyl)phthalate | ug/L | 56 | | J | U | 10 |
| MW-36 | Butylbenzylphthalate | ug/L | 30 | | U | | 10 |
| MW-36 | Carbazole | ug/L | 30 | | U | | 10 |
| MW-36 | Chrysene | ug/L | 30 | | U | | 10 |
| MW-36 | Di-n-butylphthalate | ug/L | 30 | | U | | 10 |
| MW-36 | Di-n-octylphthalate | ug/L | 30 | | U | | 10 |
| MW-36 | Dibenzo(a,h)anthracene | ug/L | 30 | | U | | 10 |
| MW-36 | Dibenzofuran | ug/L | 30 | | U | | 10 |
| MW-36 | Diethylphthalate | ug/L | 30 | | U | | 10 |
| MW-36 | Dimethylphthalate | ug/L | 30 | | U | | 10 |
| MW-36 | Fluoranthene | ug/L | 30 | | U | | 10 |
| MW-36 | Fluorene | ug/L | 30 | | U | | 10 |
| MW-36 | Hexachlorobenzene | ug/L | 30 | | U | | 10 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 10 |
| MW-36 | Hexachlorocyclopentadiene | ug/L | 30 | | U | | 10 |
| MW-36 | Hexachloroethane | ug/L | 30 | | U | | 10 |
| MW-36 | Indeno(1,2,3-cd)pyrene | ug/L | 30 | | U | | 10 |
| MW-36 | Isophorone | ug/L | 30 | | U | | 10 |
| MW-36 | N-Nitroso-di-n-propylamine | ug/L | 30 | | U | | 10 |
| MW-36 | N-Nitrosodiphenylamine | ug/L | 30 | | U | | 10 |
| MW-36 | Naphthalene | ug/L | 30 | | U | | 10 |
| MW-36 | Nitrobenzene | ug/L | 30 | | U | | 10 |
| MW-36 | Pentachlorophenol | ug/L | 75 | | U | | 25 |
| MW-36 | Phenanthrene | ug/L | 30 | | U | | 10 |
| MW-36 | Phenol | ug/L | 240 | | U | | 10 |
| MW-36 | Pyrene | ug/L | 30 | | U | | 10 |
| MW-37 | 1,2,4-Trichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-37 | 1,2-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-37 | 1,3-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-37 | 1,4-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-37 | 2,2'-oxybis(1-Chloropropane) | ug/L | 10 | | U | | 10 |
| MW-37 | 2,4,5-Trichlorophenol | ug/L | 25 | | U | | 25 |
| MW-37 | 2,4,6-Trichlorophenol | ug/L | 10 | | U | | 10 |
| MW-37 | 2,4-Dichlorophenol | ug/L | 10 | | U | | 10 |
| MW-37 | 2,4-Dimethylphenol | ug/L | 10 | | U | | 10 |
| MW-37 | 2,4-Dinitrophenol | ug/L | 25 | | U | UJ | 25 |
| MW-37 | 2,4-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| MW-37 | 2,6-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| MW-37 | 2-Chloronaphthalene | ug/L | 10 | | U | | 10 |
| MW-37 | 2-Chlorophenol | ug/L | 10 | | U | | 10 |
| MW-37 | 2-Methylnaphthalene | ug/L | 10 | | U | | 10 |
| MW-37 | 2-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-37 | 2-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-37 | 2-Nitrophenol | ug/L | 10 | | U | | 10 |
| MW-37 | 3,3'-Dichlorobenzidine | ug/L | 10 | | U | | 10 |
| MW-37 | 3-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-37 | 4,6-Dinitro-2-methylphenol | ug/L | 25 | | U | | 25 |
| MW-37 | 4-Bromophenyl-phenylether | ug/L | 10 | | U | | 10 |
| MW-37 | 4-Chloro-3-methylphenol | ug/L | 10 | | U | | 10 |
| MW-37 | 4-Chloroaniline | ug/L | 10 | | U | | 10 |
| MW-37 | 4-Chlorophenyl-phenyl ether | ug/L | 10 | | U | | 10 |
| MW-37 | 4-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-37 | 4-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-37 | 4-Nitrophenol | ug/L | 25 | | U | | 25 |
| MW-37 | Acenaphthene | ug/L | 10 | | U | | 10 |
| MW-37 | Acenaphthylene | ug/L | 10 | | U | | 10 |
| MW-37 | Anthracene | ug/L | 10 | | U | | 10 |
| MW-37 | Benzo(a)anthracene | ug/L | 10 | | U | | 10 |
| MW-37 | Benzo(a)pyrene | ug/L | 10 | | U | | 10 |
| MW-37 | Benzo(b)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-37 | Benzo(g,h,i)perylene | ug/L | 10 | | U | | 10 |
| MW-37 | Benzo(k)fluoranthene | ug/L | 10 | | U | | 10 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 10 |
| MW-37 | bis(2-chloroethyl) ether | ug/L | 10 | | U | | 10 |
| MW-37 | Bis(2-ethylhexyl)phthalate | ug/L | 34 | 19 | | | 10 |
| MW-37 | Butylbenzylphthalate | ug/L | 10 | | U | | 10 |
| MW-37 | Carbazole | ug/L | 10 | | U | | 10 |
| MW-37 | Chrysene | ug/L | 10 | | U | | 10 |
| MW-37 | Di-n-butylphthalate | ug/L | 10 | | U | | 10 |
| MW-37 | Di-n-octylphthalate | ug/L | 10 | | U | | 10 |
| MW-37 | Dibenzo(a,h)anthracene | ug/L | 10 | | U | | 10 |
| MW-37 | Dibenzofuran | ug/L | 10 | | U | | 10 |
| MW-37 | Diethylphthalate | ug/L | 10 | | U | | 10 |
| MW-37 | Dimethylphthalate | ug/L | 10 | | U | | 10 |
| MW-37 | Fluoranthene | ug/L | 10 | | U | | 10 |
| MW-37 | Fluorene | ug/L | 10 | | U | | 10 |
| MW-37 | Hexachlorobenzene | ug/L | 10 | | U | | 10 |
| MW-37 | Hexachlorobutadiene | ug/L | 10 | | U | | 10 |
| MW-37 | Hexachlorocyclopentadiene | ug/L | 10 | | U | | 10 |
| MW-37 | Hexachloroethane | ug/L | 10 | | U | | 10 |
| MW-37 | Indeno(1,2,3-cd)pyrene | ug/L | 10 | | U | | 10 |
| MW-37 | Isophorone | ug/L | 10 | | U | | 10 |
| MW-37 | N-Nitroso-di-n-propylamine | ug/L | 10 | | U | | 10 |
| MW-37 | N-Nitrosodiphenylamine | ug/L | 10 | | U | | 10 |
| MW-37 | Naphthalene | ug/L | 10 | | U | | 10 |
| MW-37 | Nitrobenzene | ug/L | 10 | | U | | 10 |
| MW-37 | Pentachlorophenol | ug/L | 25 | | U | | 25 |
| MW-37 | Phenanthrene | ug/L | 10 | | U | | 10 |
| MW-37 | Phenol | ug/L | 23 | | U | | 10 |
| MW-37 | Pyrene | ug/L | 10 | | U | | 10 |
| MW-38 | 1,2,4-Trichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-38 | 1,2-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-38 | 1,3-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-38 | 1,4-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-38 | 2,2'-oxybis(1-Chloropropane) | ug/L | 10 | | U | | 10 |
| MW-38 | 2,4,5-Trichlorophenol | ug/L | 25 | | U | | 25 |
| MW-38 | 2,4,6-Trichlorophenol | ug/L | 10 | | U | | 10 |
| MW-38 | 2,4-Dichlorophenol | ug/L | 10 | | U | | 10 |
| MW-38 | 2,4-Dimethylphenol | ug/L | 10 | | U | | 10 |
| MW-38 | 2,4-Dinitrophenol | ug/L | 25 | | U | | 25 |
| MW-38 | 2,4-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| MW-38 | 2,6-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| MW-38 | 2-Chloronaphthalene | ug/L | 10 | | U | | 10 |
| MW-38 | 2-Chlorophenol | ug/L | 10 | | U | | 10 |
| MW-38 | 2-Methylnaphthalene | ug/L | 10 | | U | | 10 |
| MW-38 | 2-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-38 | 2-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-38 | 2-Nitrophenol | ug/L | 10 | | U | | 10 |
| MW-38 | 3,3'-Dichlorobenzidine | ug/L | 10 | | U | | 10 |
| MW-38 | 3-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-38 | 4,6-Dinitro-2-methylphenol | ug/L | 25 | | U | | 25 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 10 |
| MW-38 | 4-Chloro-3-methylphenol | ug/L | 10 | | U | | 10 |
| MW-38 | 4-Chloroaniline | ug/L | 10 | | U | | 10 |
| MW-38 | 4-Chlorophenyl-phenyl ether | ug/L | 10 | | U | | 10 |
| MW-38 | 4-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-38 | 4-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-38 | 4-Nitrophenol | ug/L | 25 | | U | | 25 |
| MW-38 | Acenaphthene | ug/L | 10 | | U | | 10 |
| MW-38 | Acenaphthylene | ug/L | 10 | | U | | 10 |
| MW-38 | Anthracene | ug/L | 10 | | U | | 10 |
| MW-38 | Benzo(a)anthracene | ug/L | 10 | | U | | 10 |
| MW-38 | Benzo(a)pyrene | ug/L | 10 | | U | | 10 |
| MW-38 | Benzo(b)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-38 | Benzo(g,h,i)perylene | ug/L | 10 | | U | | 10 |
| MW-38 | Benzo(k)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-38 | Bis(2-chloroethoxy)methane | ug/L | 10 | | U | | 10 |
| MW-38 | bis(2-chloroethyl) ether | ug/L | 10 | | U | | 10 |
| MW-38 | Bis(2-ethylhexyl)phthalate | ug/L | 10 | | U | | 10 |
| MW-38 | Butylbenzylphthalate | ug/L | 10 | | U | | 10 |
| MW-38 | Carbazole | ug/L | 10 | | U | | 10 |
| MW-38 | Chrysene | ug/L | 10 | | U | | 10 |
| MW-38 | Di-n-butylphthalate | ug/L | 10 | | U | | 10 |
| MW-38 | Di-n-octylphthalate | ug/L | 10 | | U | | 10 |
| MW-38 | Dibenzo(a,h)anthracene | ug/L | 10 | | U | | 10 |
| MW-38 | Dibenzofuran | ug/L | 10 | | U | | 10 |
| MW-38 | Diethylphthalate | ug/L | 10 | | U | | 10 |
| MW-38 | Dimethylphthalate | ug/L | 10 | | U | | 10 |
| MW-38 | Fluoranthene | ug/L | 10 | | U | | 10 |
| MW-38 | Fluorene | ug/L | 10 | | U | | 10 |
| MW-38 | Hexachlorobenzene | ug/L | 10 | | U | | 10 |
| MW-38 | Hexachlorobutadiene | ug/L | 10 | | U | | 10 |
| MW-38 | Hexachlorocyclopentadiene | ug/L | 10 | | U | | 10 |
| MW-38 | Hexachloroethane | ug/L | 10 | | U | | 10 |
| MW-38 | Indeno(1,2,3-cd)pyrene | ug/L | 10 | | U | | 10 |
| MW-38 | Isophorone | ug/L | 10 | | U | | 10 |
| MW-38 | N-Nitroso-di-n-propylamine | ug/L | 10 | | U | | 10 |
| MW-38 | N-Nitrosodiphenylamine | ug/L | 10 | | U | | 10 |
| MW-38 | Naphthalene | ug/L | 10 | | U | | 10 |
| MW-38 | Nitrobenzene | ug/L | 10 | | U | | 10 |
| MW-38 | Pentachlorophenol | ug/L | 25 | | U | | 25 |
| MW-38 | Phenanthrene | ug/L | 10 | | U | | 10 |
| MW-38 | Phenol | ug/L | 13 | | U | | 10 |
| MW-38 | Pyrene | ug/L | 10 | | U | | 10 |
| MW-39 | 1,2,4-Trichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-39 | 1,2-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-39 | 1,3-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-39 | 1,4-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-39 | 2,2'-oxybis(1-Chloropropane) | ug/L | 10 | | U | | 10 |
| MW-39 | 2,4,5-Trichlorophenol | ug/L | 25 | | U | | 25 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 10 |
| MW-39 | 2,4-Dichlorophenol | ug/L | 10 | | U | | 10 |
| MW-39 | 2,4-Dimethylphenol | ug/L | 10 | | U | | 10 |
| MW-39 | 2,4-Dinitrophenol | ug/L | 25 | | U | | 25 |
| MW-39 | 2,4-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| MW-39 | 2,6-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| MW-39 | 2-Chloronaphthalene | ug/L | 10 | | U | | 10 |
| MW-39 | 2-Chlorophenol | ug/L | 10 | | U | | 10 |
| MW-39 | 2-Methylnaphthalene | ug/L | 10 | | U | | 10 |
| MW-39 | 2-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-39 | 2-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-39 | 2-Nitrophenol | ug/L | 10 | | U | | 10 |
| MW-39 | 3,3'-Dichlorobenzidine | ug/L | 10 | | U | | 10 |
| MW-39 | 3-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-39 | 4,6-Dinitro-2-methylphenol | ug/L | 25 | | U | | 25 |
| MW-39 | 4-Bromophenyl-phenylether | ug/L | 10 | | U | | 10 |
| MW-39 | 4-Chloro-3-methylphenol | ug/L | 10 | | U | | 10 |
| MW-39 | 4-Chloroaniline | ug/L | 10 | | U | | 10 |
| MW-39 | 4-Chlorophenyl-phenyl ether | ug/L | 10 | | U | | 10 |
| MW-39 | 4-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-39 | 4-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-39 | 4-Nitrophenol | ug/L | 25 | | U | | 25 |
| MW-39 | Acenaphthene | ug/L | 10 | | U | | 10 |
| MW-39 | Acenaphthylene | ug/L | 10 | | U | | 10 |
| MW-39 | Anthracene | ug/L | 10 | | U | | 10 |
| MW-39 | Benzo(a)anthracene | ug/L | 10 | | U | | 10 |
| MW-39 | Benzo(a)pyrene | ug/L | 10 | | U | | 10 |
| MW-39 | Benzo(b)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-39 | Benzo(g,h,i)perylene | ug/L | 10 | | U | | 10 |
| MW-39 | Benzo(k)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-39 | Bis(2-chloroethoxy)methane | ug/L | 10 | | U | | 10 |
| MW-39 | bis(2-chloroethyl) ether | ug/L | 10 | | U | | 10 |
| MW-39 | Bis(2-ethylhexyl)phthalate | ug/L | 18 | | U | | 10 |
| MW-39 | Butylbenzylphthalate | ug/L | 10 | | BJ | U | 10 |
| MW-39 | Carbazole | ug/L | 10 | | U | | 10 |
| MW-39 | Chrysene | ug/L | 10 | | U | | 10 |
| MW-39 | Di-n-butylphthalate | ug/L | 10 | 1.0 | J | | 10 |
| MW-39 | Di-n-octylphthalate | ug/L | 10 | | U | | 10 |
| MW-39 | Dibenzo(a,h)anthracene | ug/L | 10 | | U | | 10 |
| MW-39 | Dibenzofuran | ug/L | 10 | | U | | 10 |
| MW-39 | Diethylphthalate | ug/L | 10 | | U | | 10 |
| MW-39 | Dimethylphthalate | ug/L | 10 | | U | | 10 |
| MW-39 | Fluoranthene | ug/L | 10 | | U | | 10 |
| MW-39 | Fluorene | ug/L | 10 | | U | | 10 |
| MW-39 | Hexachlorobenzene | ug/L | 10 | | U | | 10 |
| MW-39 | Hexachlorobutadiene | ug/L | 10 | | U | | 10 |
| MW-39 | Hexachlorocyclopentadiene | ug/L | 10 | | U | | 10 |
| MW-39 | Hexachloroethane | ug/L | 10 | | U | | 10 |
| MW-39 | Indeno(1,2,3-cd)pyrene | ug/L | 10 | | U | | 10 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 10 |
| MW-39 | N-Nitroso-di-n-propylamine | ug/L | 10 | | U | | 10 |
| MW-39 | N-Nitrosodiphenylamine | ug/L | 10 | | U | | 10 |
| MW-39 | Naphthalene | ug/L | 10 | | U | | 10 |
| MW-39 | Nitrobenzene | ug/L | 10 | | U | | 10 |
| MW-39 | Pentachlorophenol | ug/L | 25 | | U | | 25 |
| MW-39 | Phenanthrene | ug/L | 10 | | U | | 10 |
| MW-39 | Phenol | ug/L | 33 | | U | | 10 |
| MW-39 | Pyrene | ug/L | 10 | | U | | 10 |
| MW-40 | 1,2,4-Trichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-40 | 1,2-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-40 | 1,3-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-40 | 1,4-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-40 | 2,2'-oxybis(1-Chloropropane) | ug/L | 10 | | U | | 10 |
| MW-40 | 2,4,5-Trichlorophenol | ug/L | 25 | | U | | 25 |
| MW-40 | 2,4,6-Trichlorophenol | ug/L | 10 | | U | | 10 |
| MW-40 | 2,4-Dichlorophenol | ug/L | 10 | | U | | 10 |
| MW-40 | 2,4-Dimethylphenol | ug/L | 10 | | U | | 10 |
| MW-40 | 2,4-Dinitrophenol | ug/L | 25 | | U | | 25 |
| MW-40 | 2,4-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| MW-40 | 2,6-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| MW-40 | 2-Chloronaphthalene | ug/L | 10 | | U | | 10 |
| MW-40 | 2-Chlorophenol | ug/L | 10 | | U | | 10 |
| MW-40 | 2-Methylnaphthalene | ug/L | 10 | | U | | 10 |
| MW-40 | 2-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-40 | 2-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-40 | 2-Nitrophenol | ug/L | 10 | | U | | 10 |
| MW-40 | 3,3'-Dichlorobenzidine | ug/L | 10 | | U | | 10 |
| MW-40 | 3-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-40 | 4,6-Dinitro-2-methylphenol | ug/L | 25 | | U | | 25 |
| MW-40 | 4-Bromophenyl-phenylether | ug/L | 10 | | U | | 10 |
| MW-40 | 4-Chloro-3-methylphenol | ug/L | 10 | | U | | 10 |
| MW-40 | 4-Chloroaniline | ug/L | 10 | | U | | 10 |
| MW-40 | 4-Chlorophenyl-phenyl ether | ug/L | 10 | | U | | 10 |
| MW-40 | 4-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-40 | 4-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-40 | 4-Nitrophenol | ug/L | 25 | | U | | 25 |
| MW-40 | Acenaphthene | ug/L | 10 | | U | | 10 |
| MW-40 | Acenaphthylene | ug/L | 10 | | U | | 10 |
| MW-40 | Anthracene | ug/L | 10 | | U | | 10 |
| MW-40 | Benzo(a)anthracene | ug/L | 10 | | U | | 10 |
| MW-40 | Benzo(a)pyrene | ug/L | 10 | | U | | 10 |
| MW-40 | Benzo(b)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-40 | Benzo(g,h,i)perylene | ug/L | 10 | | U | | 10 |
| MW-40 | Benzo(k)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-40 | Bis(2-chloroethoxy)methane | ug/L | 10 | | U | | 10 |
| MW-40 | bis(2-chloroethyl) ether | ug/L | 10 | | U | | 10 |
| MW-40 | Bis(2-ethylhexyl)phthalate | ug/L | 13 | | U | | 10 |
| MW-40 | Butylbenzylphthalate | ug/L | 10 | | U | | 10 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

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

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| Well | Analyte | Units | Highest Detection | CurrentEvent | | | |
|---|---|---|---|---|---|---|---|
| | | | | Result | LQ | DQ | Detect Limit |
| MW-41 | 4-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-41 | 4-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-41 | 4-Nitrophenol | ug/L | 25 | | U | | 25 |
| MW-41 | Acenaphthene | ug/L | 10 | | U | | 10 |
| MW-41 | Acenaphthylene | ug/L | 10 | | U | | 10 |
| MW-41 | Anthracene | ug/L | 10 | | U | | 10 |
| MW-41 | Benzo(a)anthracene | ug/L | 10 | | U | | 10 |
| MW-41 | Benzo(a)pyrene | ug/L | 10 | | U | | 10 |
| MW-41 | Benzo(b)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-41 | Benzo(g,h,i)perylene | ug/L | 10 | | U | | 10 |
| MW-41 | Benzo(k)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-41 | Bis(2-chloroethoxy)methane | ug/L | 10 | | U | | 10 |
| MW-41 | bis(2-chloroethyl) ether | ug/L | 10 | | U | | 10 |
| MW-41 | Bis(2-ethylhexyl)phthalate | ug/L | 10 | | J | U | 10 |
| MW-41 | Butylbenzylphthalate | ug/L | 10 | | BJ | U | 10 |
| MW-41 | Carbazole | ug/L | 10 | | U | | 10 |
| MW-41 | Chrysene | ug/L | 10 | | U | | 10 |
| MW-41 | Di-n-butylphthalate | ug/L | 10 | 2.0 | J | | 10 |
| MW-41 | Di-n-octylphthalate | ug/L | 10 | | U | | 10 |
| MW-41 | Dibenzo(a,h)anthracene | ug/L | 10 | | U | | 10 |
| MW-41 | Dibenzofuran | ug/L | 10 | | U | | 10 |
| MW-41 | Diethylphthalate | ug/L | 10 | | U | | 10 |
| MW-41 | Dimethylphthalate | ug/L | 10 | | U | | 10 |
| MW-41 | Fluoranthene | ug/L | 10 | | U | | 10 |
| MW-41 | Fluorene | ug/L | 10 | | U | | 10 |
| MW-41 | Hexachlorobenzene | ug/L | 10 | | U | | 10 |
| MW-41 | Hexachlorobutadiene | ug/L | 10 | | U | | 10 |
| MW-41 | Hexachlorocyclopentadiene | ug/L | 10 | | U | | 10 |
| MW-41 | Hexachloroethane | ug/L | 10 | | U | | 10 |
| MW-41 | Indeno(1,2,3-cd)pyrene | ug/L | 10 | | U | | 10 |
| MW-41 | Isophorone | ug/L | 10 | | U | | 10 |
| MW-41 | N-Nitroso-di-n-propylami- | ug/L | 10 | | U | | 10 |
| MW-41 | N-Nitrosodiphenylamine | ug/L | 10 | | U | | 10 |
| MW-41 | Naphthalene | ug/L | 10 | | U | | 10 |
| MW-41 | Nitrobenzene | ug/L | 10 | | U | | 10 |
| MW-41 | Pentachlorophenol | ug/L | 25 | | U | | 25 |
| MW-41 | Phenanthrene | ug/L | 10 | | U | | 10 |
| MW-41 | Phenol | ug/L | 34 | | U | | 10 |
| MW-41 | Pyrene | ug/L | 10 | | U | | 10 |
| MW-42 | 1,2,4-Trichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-42 | 1,2-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-42 | 1,3-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-42 | 1,4-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-42 | 2,2'-oxybis(1-Chloropropane) | ug/L | 10 | | U | | 10 |
| MW-42 | 2,4,5-Trichlorophenol | ug/L | 25 | | U | | 25 |
| MW-42 | 2,4,6-Trichlorophenol | ug/L | 10 | | U | | 10 |
| MW-42 | 2,4-Dichlorophenol | ug/L | 10 | | U | | 10 |
| MW-42 | 2,4-Dimethylphenol | ug/L | 10 | | U | | 10 |
| MW-42 | 2,4-Dinitrophenol | ug/L | 25 | | U | | 25 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| Well | Analyte | Units | Highest Detection | CurrentEvent | | | |
|---|---|---|---|---|---|---|---|
| | | | | Result | LQ | DQ | Detect Limit |
| MW-42 | 2,4-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| MW-42 | 2,6-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| MW-42 | 2-Chloronaphthalene | ug/L | 10 | | U | | 10 |
| MW-42 | 2-Chlorophenol | ug/L | 10 | | U | | 10 |
| MW-42 | 2-Methylnaphthalene | ug/L | 10 | | U | | 10 |
| MW-42 | 2-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-42 | 2-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-42 | 2-Nitrophenol | ug/L | 10 | | U | | 10 |
| MW-42 | 3,3'-Dichlorobenzidine | ug/L | 10 | | U | | 10 |
| MW-42 | 3-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-42 | 4,6-Dinitro-2-methylphenol | ug/L | 25 | | U | | 25 |
| MW-42 | 4-Bromophenyl-phenylether | ug/L | 10 | | U | | 10 |
| MW-42 | 4-Chloro-3-methylphenol | ug/L | 10 | | U | | 10 |
| MW-42 | 4-Chloroaniline | ug/L | 10 | | U | | 10 |
| MW-42 | 4-Chlorophenyl-phenyl ether | ug/L | 10 | | U | | 10 |
| MW-42 | 4-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-42 | 4-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-42 | 4-Nitrophenol | ug/L | 25 | | U | | 25 |
| MW-42 | Acenaphthene | ug/L | 10 | | U | | 10 |
| MW-42 | Acenaphthylene | ug/L | 10 | | U | | 10 |
| MW-42 | Anthracene | ug/L | 10 | | U | | 10 |
| MW-42 | Benzo(a)anthracene | ug/L | 10 | | U | | 10 |
| MW-42 | Benzo(a)pyrene | ug/L | 10 | | U | | 10 |
| MW-42 | Benzo(b)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-42 | Benzo(g,h,i)perylene | ug/L | 10 | | U | | 10 |
| MW-42 | Benzo(k)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-42 | Bis(2-chloroethoxy)methane | ug/L | 10 | | U | | 10 |
| MW-42 | bis(2-chloroethyl) ether | ug/L | 10 | | U | | 10 |
| MW-42 | Bis(2-ethylhexyl)phthalate | ug/L | 10 | | J | U | 10 |
| MW-42 | Butylbenzylphthalate | ug/L | 10 | | BJ | U | 10 |
| MW-42 | Carbazole | ug/L | 10 | | U | | 10 |
| MW-42 | Chrysene | ug/L | 10 | | U | | 10 |
| MW-42 | Di-n-butylphthalate | ug/L | 10 | 2.0 | J | | 10 |
| MW-42 | Di-n-octylphthalate | ug/L | 10 | | U | | 10 |
| MW-42 | Dibenzo(a,h)anthracene | ug/L | 10 | | U | | 10 |
| MW-42 | Dibenzofuran | ug/L | 10 | | U | | 10 |
| MW-42 | Diethylphthalate | ug/L | 10 | | U | | 10 |
| MW-42 | Dimethylphthalate | ug/L | 10 | | U | | 10 |
| MW-42 | Fluoranthene | ug/L | 10 | | U | | 10 |
| MW-42 | Fluorene | ug/L | 10 | | U | | 10 |
| MW-42 | Hexachlorobenzene | ug/L | 10 | | U | | 10 |
| MW-42 | Hexachlorobutadiene | ug/L | 10 | | U | | 10 |
| MW-42 | Hexachlorocyclopentadiene | ug/L | 10 | | U | | 10 |
| MW-42 | Hexachloroethane | ug/L | 10 | | U | | 10 |
| MW-42 | Indeno(1,2,3-cd)pyrene | ug/L | 10 | | U | | 10 |
| MW-42 | Isophorone | ug/L | 10 | | U | | 10 |
| MW-42 | N-Nitroso-di-n-propylamine | ug/L | 10 | | U | | 10 |
| MW-42 | N-Nitrosodiphenylamine | ug/L | 10 | | U | | 10 |
| MW-42 | Naphthalene | ug/L | 10 | | U | | 10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| Well | Analyte | Units | Highest Detection | CurrentEvent | | | |
|---|---|---|---|---|---|---|---|
| | | | | Result | LQ | DQ | Detect Limit |
| MW-42 | Nitrobenzene | ug/L | 10 | | U | | 10 |
| MW-42 | Pentachlorophenol | ug/L | 25 | | U | | 25 |
| MW-42 | Phenanthrene | ug/L | 10 | | U | | 10 |
| MW-42 | Phenol | ug/L | 41 | | U | | 10 |
| MW-42 | Pyrene | ug/L | 10 | | U | | 10 |
| MW-43 | 1,2,4-Trichlorobenzene | ug/L | 20 | | U | | 10 |
| MW-43 | 1,2-Dichlorobenzene | ug/L | 20 | | U | | 10 |
| MW-43 | 1,3-Dichlorobenzene | ug/L | 20 | | U | | 10 |
| MW-43 | 1,4-Dichlorobenzene | ug/L | 20 | | U | | 10 |
| MW-43 | 2,2'-oxybis(1-Chloropropane) | ug/L | 20 | | U | | 10 |
| MW-43 | 2,4,5-Trichlorophenol | ug/L | 50 | | U | | 25 |
| MW-43 | 2,4,6-Trichlorophenol | ug/L | 20 | | U | | 10 |
| MW-43 | 2,4-Dichlorophenol | ug/L | 20 | | U | | 10 |
| MW-43 | 2,4-Dimethylphenol | ug/L | 20 | | U | | 10 |
| MW-43 | 2,4-Dinitrophenol | ug/L | 50 | | U | | 25 |
| MW-43 | 2,4-Dinitrotoluene | ug/L | 20 | | U | | 10 |
| MW-43 | 2,6-Dinitrotoluene | ug/L | 20 | | U | | 10 |
| MW-43 | 2-Chloronaphthalene | ug/L | 20 | | U | | 10 |
| MW-43 | 2-Chlorophenol | ug/L | 20 | | U | | 10 |
| MW-43 | 2-Methylnaphthalene | ug/L | 20 | | U | | 10 |
| MW-43 | 2-Methylphenol | ug/L | 20 | | U | | 10 |
| MW-43 | 2-Nitroaniline | ug/L | 50 | | U | | 25 |
| MW-43 | 2-Nitrophenol | ug/L | 20 | | U | | 10 |
| MW-43 | 3,3'-Dichlorobenzidine | ug/L | 20 | | U | | 10 |
| MW-43 | 3-Nitroaniline | ug/L | 50 | | U | | 25 |
| MW-43 | 4,6-Dinitro-2-methylphenol | ug/L | 50 | | U | | 25 |
| MW-43 | 4-Bromophenyl-phenylether | ug/L | 20 | | U | | 10 |
| MW-43 | 4-Chloro-3-methylphenol | ug/L | 20 | | U | | 10 |
| MW-43 | 4-Chloroaniline | ug/L | 20 | | U | | 10 |
| MW-43 | 4-Chlorophenyl-phenyl ether | ug/L | 20 | | U | | 10 |
| MW-43 | 4-Methylphenol | ug/L | 20 | | U | | 10 |
| MW-43 | 4-Nitroaniline | ug/L | 50 | | U | | 25 |
| MW-43 | 4-Nitrophenol | ug/L | 50 | | U | | 25 |
| MW-43 | Acenaphthene | ug/L | 20 | | U | | 10 |
| MW-43 | Acenaphthylene | ug/L | 20 | | U | | 10 |
| MW-43 | Anthracene | ug/L | 20 | | U | | 10 |
| MW-43 | Benzo(a)anthracene | ug/L | 20 | | U | | 10 |
| MW-43 | Benzo(a)pyrene | ug/L | 20 | | U | | 10 |
| MW-43 | Benzo(b)fluoranthene | ug/L | 20 | | U | | 10 |
| MW-43 | Benzo(g,h,i)perylene | ug/L | 20 | | U | | 10 |
| MW-43 | Benzo(k)fluoranthene | ug/L | 20 | | U | | 10 |
| MW-43 | Bis(2-chloroethoxy)methane | ug/L | 20 | | U | | 10 |
| MW-43 | bis(2-chloroethyl) ether | ug/L | 20 | | U | | 10 |
| MW-43 | Bis(2-ethylhexyl)phthalate | ug/L | 20 | | J | U | 10 |
| MW-43 | Butylbenzylphthalate | ug/L | 20 | | BJ | U | 10 |
| MW-43 | Carbazole | ug/L | 20 | | U | | 10 |
| MW-43 | Chrysene | ug/L | 20 | | U | | 10 |
| MW-43 | Di-n-butylphthalate | ug/L | 20 | 2.0 | J | | 10 |
| MW-43 | Di-n-octylphthalate | ug/L | 20 | | U | | 10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

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

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| Well | Analyte | Units | Highest Detection | CurrentEvent | | | |
|---|---|---|---|---|---|---|---|
| | | | | Result | LQ | DQ | Detect Limit |
| MW-44 | Acenaphthylene | ug/L | 10 | | U | | 10 |
| MW-44 | Anthracene | ug/L | 10 | | U | | 10 |
| MW-44 | Benzo(a)anthracene | ug/L | 10 | | U | | 10 |
| MW-44 | Benzo(a)pyrene | ug/L | 10 | | U | | 10 |
| MW-44 | Benzo(b)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-44 | Benzo(g,h,i)perylene | ug/L | 10 | | U | | 10 |
| MW-44 | Benzo(k)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-44 | Bis(2-chloroethoxy)methane | ug/L | 10 | | U | | 10 |
| MW-44 | bis(2-chloroethyl) ether | ug/L | 10 | | U | | 10 |
| MW-44 | Bis(2-ethylhexyl)phthalate | ug/L | 15 | | U | | 10 |
| MW-44 | Butylbenzylphthalate | ug/L | 10 | | BJ | U | 10 |
| MW-44 | Carbazole | ug/L | 10 | | U | | 10 |
| MW-44 | Chrysene | ug/L | 10 | | U | | 10 |
| MW-44 | Di-n-butylphthalate | ug/L | 10 | 2.0 | J | | 10 |
| MW-44 | Di-n-octylphthalate | ug/L | 10 | | U | | 10 |
| MW-44 | Dibenzo(a,h)anthracene | ug/L | 10 | | U | | 10 |
| MW-44 | Dibenzofuran | ug/L | 10 | | U | | 10 |
| MW-44 | Diethylphthalate | ug/L | 10 | | U | | 10 |
| MW-44 | Dimethylphthalate | ug/L | 10 | | U | | 10 |
| MW-44 | Fluoranthene | ug/L | 10 | | U | | 10 |
| MW-44 | Fluorene | ug/L | 10 | | U | | 10 |
| MW-44 | Hexachlorobenzene | ug/L | 10 | | U | | 10 |
| MW-44 | Hexachlorobutadiene | ug/L | 10 | | U | | 10 |
| MW-44 | Hexachlorocyclopentadiene | ug/L | 10 | | U | | 10 |
| MW-44 | Hexachloroethane | ug/L | 10 | | U | | 10 |
| MW-44 | Indeno(1,2,3-cd)pyrene | ug/L | 10 | | U | | 10 |
| MW-44 | Isophorone | ug/L | 10 | | U | | 10 |
| MW-44 | N-Nitroso-di-n-propylamine | ug/L | 10 | | U | | 10 |
| MW-44 | N-Nitrosodiphenylamine | ug/L | 10 | | U | | 10 |
| MW-44 | Naphthalene | ug/L | 10 | | U | | 10 |
| MW-44 | Nitrobenzene | ug/L | 10 | | U | | 10 |
| MW-44 | Pentachlorophenol | ug/L | 25 | | U | | 25 |
| MW-44 | Phenanthrene | ug/L | 10 | | U | | 10 |
| MW-44 | Phenol | ug/L | 11 | | U | | 10 |
| MW-44 | Pyrene | ug/L | 10 | | U | | 10 |
| MW-45 | 1,2,4-Trichlorobenzene | ug/L | 20 | | U | | 10 |
| MW-45 | 1,2-Dichlorobenzene | ug/L | 20 | 4.0 | J | | 10 |
| MW-45 | 1,3-Dichlorobenzene | ug/L | 20 | | U | | 10 |
| MW-45 | 1,4-Dichlorobenzene | ug/L | 20 | 2.0 | J | | 10 |
| MW-45 | 2,2'-oxybis(1-Chloropropane) | ug/L | 20 | | U | | 10 |
| MW-45 | 2,4,5-Trichlorophenol | ug/L | 50 | | U | | 25 |
| MW-45 | 2,4,6-Trichlorophenol | ug/L | 20 | | U | | 10 |
| MW-45 | 2,4-Dichlorophenol | ug/L | 20 | | U | | 10 |
| MW-45 | 2,4-Dimethylphenol | ug/L | 20 | | U | | 10 |
| MW-45 | 2,4-Dinitrophenol | ug/L | 50 | | U | | 25 |
| MW-45 | 2,4-Dinitrotoluene | ug/L | 20 | | U | | 10 |
| MW-45 | 2,6-Dinitrotoluene | ug/L | 20 | | U | | 10 |
| MW-45 | 2-Chloronaphthalene | ug/L | 20 | | U | | 10 |
| MW-45 | 2-Chlorophenol | ug/L | 20 | | U | | 10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| Well | Analyte | Units | Highest Detection | CurrentEvent | | | |
|---|---|---|---|---|---|---|---|
| | | | | Result | LQ | DQ | Detect Limit |
| MW-45 | 2-Methylnaphthalene | ug/L | 20 | 2.0 | J | | 10 |
| MW-45 | 2-Methylphenol | ug/L | 20 | | U | | 10 |
| MW-45 | 2-Nitroaniline | ug/L | 50 | | U | | 25 |
| MW-45 | 2-Nitrophenol | ug/L | 20 | | U | | 10 |
| MW-45 | 3,3'-Dichlorobenzidine | ug/L | 20 | | U | | 10 |
| MW-45 | 3-Nitroaniline | ug/L | 50 | | U | | 25 |
| MW-45 | 4,6-Dinitro-2-methylphenol | ug/L | 50 | | U | | 25 |
| MW-45 | 4-Bromophenyl-phenylether | ug/L | 20 | | U | | 10 |
| MW-45 | 4-Chloro-3-methylphenol | ug/L | 20 | | U | | 10 |
| MW-45 | 4-Chloroaniline | ug/L | 20 | | U | | 10 |
| MW-45 | 4-Chlorophenyl-phenyl ether | ug/L | 20 | | U | | 10 |
| MW-45 | 4-Methylphenol | ug/L | 20 | | U | | 10 |
| MW-45 | 4-Nitroaniline | ug/L | 50 | | U | | 25 |
| MW-45 | 4-Nitrophenol | ug/L | 50 | | U | | 25 |
| MW-45 | Acenaphthene | ug/L | 20 | | U | | 10 |
| MW-45 | Acenaphthylene | ug/L | 20 | | U | | 10 |
| MW-45 | Anthracene | ug/L | 20 | | U | | 10 |
| MW-45 | Benzo(a)anthracene | ug/L | 20 | | U | | 10 |
| MW-45 | Benzo(a)pyrene | ug/L | 20 | | U | | 10 |
| MW-45 | Benzo(b)fluoranthene | ug/L | 20 | | U | | 10 |
| MW-45 | Benzo(g,h,i)perylene | ug/L | 20 | | U | | 10 |
| MW-45 | Benzo(k)fluoranthene | ug/L | 20 | | U | | 10 |
| MW-45 | Bis(2-chloroethoxy)methane | ug/L | 20 | | U | | 10 |
| MW-45 | bis(2-chloroethyl) ether | ug/L | 20 | 7.0 | J | | 10 |
| MW-45 | Bis(2-ethylhexyl)phthalate | ug/L | 20 | | J | U | 10 |
| MW-45 | Butylbenzylphthalate | ug/L | 20 | | BJ | U | 10 |
| MW-45 | Carbazole | ug/L | 20 | | U | | 10 |
| MW-45 | Chrysene | ug/L | 20 | | U | | 10 |
| MW-45 | Di-n-butylphthalate | ug/L | 20 | 2.0 | J | | 10 |
| MW-45 | Di-n-octylphthalate | ug/L | 20 | | U | | 10 |
| MW-45 | Dibenzo(a,h)anthracene | ug/L | 20 | | U | | 10 |
| MW-45 | Dibenzofuran | ug/L | 20 | | U | | 10 |
| MW-45 | Diethylphthalate | ug/L | 20 | | U | | 10 |
| MW-45 | Dimethylphthalate | ug/L | 20 | | U | | 10 |
| MW-45 | Fluoranthene | ug/L | 20 | | U | | 10 |
| MW-45 | Fluorene | ug/L | 20 | | U | | 10 |
| MW-45 | Hexachlorobenzene | ug/L | 20 | | U | | 10 |
| MW-45 | Hexachlorobutadiene | ug/L | 20 | | U | | 10 |
| MW-45 | Hexachlorocyclopentadiene | ug/L | 20 | | U | | 10 |
| MW-45 | Hexachloroethane | ug/L | 20 | | U | | 10 |
| MW-45 | Indeno(1,2,3-cd)pyrene | ug/L | 20 | | U | | 10 |
| MW-45 | Isophorone | ug/L | 20 | | U | | 10 |
| MW-45 | N-Nitroso-di-n-propylamine | ug/L | 20 | | U | | 10 |
| MW-45 | N-Nitrosodiphenylamine | ug/L | 20 | | U | | 10 |
| MW-45 | Naphthalene | ug/L | 140 | 96 | D | | 10 |
| MW-45 | Nitrobenzene | ug/L | 20 | | U | | 10 |
| MW-45 | Pentachlorophenol | ug/L | 50 | | U | | 25 |
| MW-45 | Phenanthrene | ug/L | 20 | | U | | 10 |
| MW-45 | Phenol | ug/L | 50 | 20 | | | 10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| Well | Analyte | Units | Highest Detection | CurrentEvent | | | |
|---|---|---|---|---|---|---|---|
| | | | | Result | LQ | DQ | Detect Limit |
| MW-45 | Pyrene | ug/L | 20 | | U | | 10 |
| MW-46 | 1,2,4-Trichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-46 | 1,2-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-46 | 1,3-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-46 | 1,4-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-46 | 2,2'-oxybis(1-Chloropropane) | ug/L | 10 | | U | UJ | 10 |
| MW-46 | 2,4,5-Trichlorophenol | ug/L | 25 | | U | | 25 |
| MW-46 | 2,4,6-Trichlorophenol | ug/L | 10 | | U | | 10 |
| MW-46 | 2,4-Dichlorophenol | ug/L | 10 | | U | | 10 |
| MW-46 | 2,4-Dimethylphenol | ug/L | 10 | | U | | 10 |
| MW-46 | 2,4-Dinitrophenol | ug/L | 25 | | U | UJ | 25 |
| MW-46 | 2,4-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| MW-46 | 2,6-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| MW-46 | 2-Chloronaphthalene | ug/L | 10 | | U | | 10 |
| MW-46 | 2-Chlorophenol | ug/L | 10 | | U | | 10 |
| MW-46 | 2-Methylnaphthalene | ug/L | 10 | | U | | 10 |
| MW-46 | 2-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-46 | 2-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-46 | 2-Nitrophenol | ug/L | 10 | | U | | 10 |
| MW-46 | 3,3'-Dichlorobenzidine | ug/L | 10 | | U | | 10 |
| MW-46 | 3-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-46 | 4,6-Dinitro-2-methylphenol | ug/L | 25 | | U | UJ | 25 |
| MW-46 | 4-Bromophenyl-phenylether | ug/L | 10 | | U | | 10 |
| MW-46 | 4-Chloro-3-methylphenol | ug/L | 10 | | U | | 10 |
| MW-46 | 4-Chloroaniline | ug/L | 10 | | U | | 10 |
| MW-46 | 4-Chlorophenyl-phenyl ether | ug/L | 10 | | U | | 10 |
| MW-46 | 4-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-46 | 4-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-46 | 4-Nitrophenol | ug/L | 25 | | U | UJ | 25 |
| MW-46 | Acenaphthene | ug/L | 10 | | U | | 10 |
| MW-46 | Acenaphthylene | ug/L | 10 | | U | | 10 |
| MW-46 | Anthracene | ug/L | 10 | | U | | 10 |
| MW-46 | Benzo(a)anthracene | ug/L | 10 | | U | | 10 |
| MW-46 | Benzo(a)pyrene | ug/L | 10 | | U | | 10 |
| MW-46 | Benzo(b)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-46 | Benzo(g,h,i)perylene | ug/L | 10 | | U | | 10 |
| MW-46 | Benzo(k)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-46 | Bis(2-chloroethoxy)methane | ug/L | 10 | | U | | 10 |
| MW-46 | bis(2-chloroethyl) ether | ug/L | 10 | 4.0 | J | | 10 |
| MW-46 | Bis(2-ethylhexyl)phthalate | ug/L | 10 | | U | | 10 |
| MW-46 | Butylbenzylphthalate | ug/L | 10 | | U | | 10 |
| MW-46 | Carbazole | ug/L | 10 | | U | | 10 |
| MW-46 | Chrysene | ug/L | 10 | | U | UJ | 10 |
| MW-46 | Di-n-butylphthalate | ug/L | 10 | | U | | 10 |
| MW-46 | Di-n-octylphthalate | ug/L | 10 | | U | | 10 |
| MW-46 | Dibenzo(a,h)anthracene | ug/L | 10 | | U | | 10 |
| MW-46 | Dibenzofuran | ug/L | 10 | | U | | 10 |
| MW-46 | Diethylphthalate | ug/L | 10 | | U | | 10 |
| MW-46 | Dimethylphthalate | ug/L | 10 | | U | | 10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

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

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

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

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| Well | Analyte | Units | Highest Detection | CurrentEvent | | | |
|---|---|---|---|---|---|---|---|
| | | | | Result | LQ | DQ | Detect Limit |
| MW-48 | 3,3'-Dichlorobenzidine | ug/L | 20 | | U | | 10 |
| MW-48 | 3-Nitroaniline | ug/L | 50 | | U | | 25 |
| MW-48 | 4,6-Dinitro-2-methylphenol | ug/L | 50 | | U | | 25 |
| MW-48 | 4-Bromophenyl-phenylether | ug/L | 20 | | U | | 10 |
| MW-48 | 4-Chloro-3-methylphenol | ug/L | 20 | | U | | 10 |
| MW-48 | 4-Chloroaniline | ug/L | 20 | | U | | 10 |
| MW-48 | 4-Chlorophenyl-phenyl ether | ug/L | 20 | | U | | 10 |
| MW-48 | 4-Methylphenol | ug/L | 20 | | U | | 10 |
| MW-48 | 4-Nitroaniline | ug/L | 50 | | U | | 25 |
| MW-48 | 4-Nitrophenol | ug/L | 50 | | U | | 25 |
| MW-48 | Acenaphthene | ug/L | 20 | | U | | 10 |
| MW-48 | Acenaphthylene | ug/L | 20 | | U | | 10 |
| MW-48 | Anthracene | ug/L | 20 | | U | | 10 |
| MW-48 | Benzo(a)anthracene | ug/L | 20 | | U | | 10 |
| MW-48 | Benzo(a)pyrene | ug/L | 20 | | U | | 10 |
| MW-48 | Benzo(b)fluoranthene | ug/L | 20 | | U | | 10 |
| MW-48 | Benzo(g,h,i)perylene | ug/L | 20 | | U | | 10 |
| MW-48 | Benzo(k)fluoranthene | ug/L | 20 | | U | | 10 |
| MW-48 | Bis(2-chloroethoxy)methane | ug/L | 20 | | U | | 10 |
| MW-48 | bis(2-chloroethyl) ether | ug/L | 20 | 13 | | | 10 |
| MW-48 | Bis(2-ethylhexyl)phthalate | ug/L | 20 | | U | | 10 |
| MW-48 | Butylbenzylphthalate | ug/L | 20 | | U | | 10 |
| MW-48 | Carbazole | ug/L | 20 | | U | | 10 |
| MW-48 | Chrysene | ug/L | 20 | | U | | 10 |
| MW-48 | Di-n-butylphthalate | ug/L | 20 | | U | | 10 |
| MW-48 | Di-n-octylphthalate | ug/L | 20 | | U | | 10 |
| MW-48 | Dibenzo(a,h)anthracene | ug/L | 20 | | U | | 10 |
| MW-48 | Dibenzofuran | ug/L | 20 | | U | | 10 |
| MW-48 | Diethylphthalate | ug/L | 20 | | U | | 10 |
| MW-48 | Dimethylphthalate | ug/L | 20 | | U | | 10 |
| MW-48 | Fluoranthene | ug/L | 20 | | U | | 10 |
| MW-48 | Fluorene | ug/L | 20 | | U | | 10 |
| MW-48 | Hexachlorobenzene | ug/L | 20 | | U | | 10 |
| MW-48 | Hexachlorobutadiene | ug/L | 20 | | U | | 10 |
| MW-48 | Hexachlorocyclopentadiene | ug/L | 20 | | U | | 10 |
| MW-48 | Hexachloroethane | ug/L | 20 | | U | | 10 |
| MW-48 | Indeno(1,2,3-cd)pyrene | ug/L | 20 | | U | | 10 |
| MW-48 | Isophorone | ug/L | 20 | | U | | 10 |
| MW-48 | N-Nitroso-di-n-propylamine | ug/L | 20 | | U | | 10 |
| MW-48 | N-Nitrosodiphenylamine | ug/L | 20 | | U | | 10 |
| MW-48 | Naphthalene | ug/L | 20 | | U | | 10 |
| MW-48 | Nitrobenzene | ug/L | 20 | | U | | 10 |
| MW-48 | Pentachlorophenol | ug/L | 50 | | U | | 25 |
| MW-48 | Phenanthrene | ug/L | 20 | | U | | 10 |
| MW-48 | Phenol | ug/L | 110 | 36 | B | | 10 |
| MW-48 | Pyrene | ug/L | 20 | | U | | 10 |
| MW-49 | 1,2,4-Trichlorobenzene | ug/L | 50 | | U | UJ | 10 |
| MW-49 | 1,2-Dichlorobenzene | ug/L | 50 | | U | UJ | 10 |
| MW-49 | 1,3-Dichlorobenzene | ug/L | 50 | | U | UJ | 10 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| Well | Analyte | Units | Highest Detection | CurrentEvent | | | |
|---|---|---|---|---|---|---|---|
| | | | | Result | LQ | DQ | Detect Limit |
| MW-49 | 1,4-Dichlorobenzene | ug/L | 50 | | U | UJ | 10 |
| MW-49 | 2,2'-oxybis(1-Chloropropane) | ug/L | 28 | 10 | | J | 10 |
| MW-49 | 2,4,5-Trichlorophenol | ug/L | 120 | | U | UJ | 25 |
| MW-49 | 2,4,6-Trichlorophenol | ug/L | 50 | | U | UJ | 10 |
| MW-49 | 2,4-Dichlorophenol | ug/L | 50 | | U | UJ | 10 |
| MW-49 | 2,4-Dimethylphenol | ug/L | 50 | | U | UJ | 10 |
| MW-49 | 2,4-Dinitrophenol | ug/L | 120 | | U | UJ | 25 |
| MW-49 | 2,4-Dinitrotoluene | ug/L | 50 | | U | UJ | 10 |
| MW-49 | 2,6-Dinitrotoluene | ug/L | 50 | | U | UJ | 10 |
| MW-49 | 2-Chloronaphthalene | ug/L | 50 | | U | UJ | 10 |
| MW-49 | 2-Chlorophenol | ug/L | 50 | | U | UJ | 10 |
| MW-49 | 2-Methylnaphthalene | ug/L | 50 | | U | UJ | 10 |
| MW-49 | 2-Methylphenol | ug/L | 50 | | U | UJ | 10 |
| MW-49 | 2-Nitroaniline | ug/L | 120 | | U | UJ | 25 |
| MW-49 | 2-Nitrophenol | ug/L | 50 | | U | UJ | 10 |
| MW-49 | 3,3'-Dichlorobenzidine | ug/L | 50 | | U | UJ | 10 |
| MW-49 | 3-Nitroaniline | ug/L | 120 | | U | UJ | 25 |
| MW-49 | 4,6-Dinitro-2-methylphenol | ug/L | 120 | | U | UJ | 25 |
| MW-49 | 4-Bromophenyl-phenylether | ug/L | 50 | | U | UJ | 10 |
| MW-49 | 4-Chloro-3-methylphenol | ug/L | 50 | | U | UJ | 10 |
| MW-49 | 4-Chloroaniline | ug/L | 50 | | U | UJ | 10 |
| MW-49 | 4-Chlorophenyl-phenyl ether | ug/L | 50 | | U | UJ | 10 |
| MW-49 | 4-Methylphenol | ug/L | 50 | | U | UJ | 10 |
| MW-49 | 4-Nitroaniline | ug/L | 120 | | U | UJ | 25 |
| MW-49 | 4-Nitrophenol | ug/L | 120 | | U | UJ | 25 |
| MW-49 | Acenaphthene | ug/L | 50 | | U | UJ | 10 |
| MW-49 | Acenaphthylene | ug/L | 50 | | U | UJ | 10 |
| MW-49 | Anthracene | ug/L | 50 | | U | UJ | 10 |
| MW-49 | Benzo(a)anthracene | ug/L | 50 | | U | UJ | 10 |
| MW-49 | Benzo(a)pyrene | ug/L | 50 | | U | UJ | 10 |
| MW-49 | Benzo(b)fluoranthene | ug/L | 50 | | U | UJ | 10 |
| MW-49 | Benzo(g,h,i)perylene | ug/L | 50 | | U | UJ | 10 |
| MW-49 | Benzo(k)fluoranthene | ug/L | 50 | | U | UJ | 10 |
| MW-49 | Bis(2-chloroethoxy)methane | ug/L | 50 | | U | UJ | 10 |
| MW-49 | bis(2-chloroethyl) ether | ug/L | 50 | 6.0 | J | J | 10 |
| MW-49 | Bis(2-ethylhexyl)phthalate | ug/L | 50 | | | UJ | 16 |
| MW-49 | Butylbenzylphthalate | ug/L | 50 | | U | UJ | 10 |
| MW-49 | Carbazole | ug/L | 50 | | U | UJ | 10 |
| MW-49 | Chrysene | ug/L | 50 | | U | UJ | 10 |
| MW-49 | Di-n-butylphthalate | ug/L | 50 | | U | UJ | 10 |
| MW-49 | Di-n-octylphthalate | ug/L | 50 | | U | UJ | 10 |
| MW-49 | Dibenzo(a,h)anthracene | ug/L | 50 | | U | UJ | 10 |
| MW-49 | Dibenzofuran | ug/L | 50 | | U | UJ | 10 |
| MW-49 | Diethylphthalate | ug/L | 50 | | U | UJ | 10 |
| MW-49 | Dimethylphthalate | ug/L | 50 | | U | UJ | 10 |
| MW-49 | Fluoranthene | ug/L | 50 | | U | UJ | 10 |
| MW-49 | Fluorene | ug/L | 50 | | U | UJ | 10 |
| MW-49 | Hexachlorobenzene | ug/L | 50 | | U | UJ | 10 |
| MW-49 | Hexachlorobutadiene | ug/L | 50 | | U | UJ | 10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| Well | Analyte | Units | Highest Detection | CurrentEvent | | | |
|---|---|---|---|---|---|---|---|
| | | | | Result | LQ | DQ | Detect Limit |
| MW-49 | Hexachlorocyclopentadiene | ug/L | 50 | | U | UJ | 10 |
| MW-49 | Hexachloroethane | ug/L | 50 | | U | UJ | 10 |
| MW-49 | Indeno(1,2,3-cd)pyrene | ug/L | 50 | | U | UJ | 10 |
| MW-49 | Isophorone | ug/L | 10 | 7.0 | J | J | 10 |
| MW-49 | N-Nitroso-di-n-propylamine | ug/L | 50 | | U | UJ | 10 |
| MW-49 | N-Nitrosodiphenylamine | ug/L | 50 | | U | UJ | 10 |
| MW-49 | Naphthalene | ug/L | 50 | | U | UJ | 10 |
| MW-49 | Nitrobenzene | ug/L | 50 | | U | UJ | 10 |
| MW-49 | Pentachlorophenol | ug/L | 120 | | U | UJ | 25 |
| MW-49 | Phenanthrene | ug/L | 50 | | U | UJ | 10 |
| MW-49 | Phenol | ug/L | 125 | | BJ | U | 10 |
| MW-49 | Pyrene | ug/L | 50 | | U | UJ | 10 |
| 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 | | 25 |
| 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 | UJ | 25 |
| MW-50 | 2,4-Dinitrotoluene | ug/L | 60 | | U | | 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 | | 25 |
| 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 | | 25 |
| MW-50 | 4,6-Dinitro-2-methylphenol | ug/L | 150 | | U | | 25 |
| 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 | | 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 | | 25 |
| MW-50 | 4-Nitrophenol | ug/L | 150 | | U | | 25 |
| 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 |
| 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 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| Well | Analyte | Units | Highest Detection | CurrentEvent | | | |
|---|---|---|---|---|---|---|---|
| | | | | Result | LQ | DQ | Detect Limit |
| MW-50 | bis(2-chloroethyl) ether | ug/L | 60 | | U | | 10 |
| MW-50 | Bis(2-ethylhexyl)phthalate | ug/L | 60 | 1.0 | J | | 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 | | 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 | | 25 |
| MW-50 | Phenanthrene | ug/L | 60 | | U | | 10 |
| MW-50 | Phenol | ug/L | 340 | | U | | 10 |
| MW-50 | Pyrene | ug/L | 60 | | U | | 10 |
| MW-51 | 1,2,4-Trichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-51 | 1,2-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-51 | 1,3-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-51 | 1,4-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-51 | 2,2'-oxybis(1-Chloropropane) | ug/L | 10 | | U | | 10 |
| MW-51 | 2,4,5-Trichlorophenol | ug/L | 25 | | U | | 25 |
| MW-51 | 2,4,6-Trichlorophenol | ug/L | 10 | | U | | 10 |
| MW-51 | 2,4-Dichlorophenol | ug/L | 10 | | U | | 10 |
| MW-51 | 2,4-Dimethylphenol | ug/L | 10 | | U | | 10 |
| MW-51 | 2,4-Dinitrophenol | ug/L | 25 | | U | | 25 |
| MW-51 | 2,4-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| MW-51 | 2,6-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| MW-51 | 2-Chloronaphthalene | ug/L | 10 | | U | | 10 |
| MW-51 | 2-Chlorophenol | ug/L | 10 | | U | | 10 |
| MW-51 | 2-Methylnaphthalene | ug/L | 10 | | U | | 10 |
| MW-51 | 2-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-51 | 2-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-51 | 2-Nitrophenol | ug/L | 10 | | U | | 10 |
| MW-51 | 3,3'-Dichlorobenzidine | ug/L | 10 | | U | | 10 |
| MW-51 | 3-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-51 | 4,6-Dinitro-2-methylphenol | ug/L | 25 | | U | | 25 |
| MW-51 | 4-Bromophenyl-phenylether | ug/L | 10 | | U | | 10 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| Well | Analyte | Units | Highest Detection | CurrentEvent | | | |
|---|---|---|---|---|---|---|---|
| | | | | Result | LQ | DQ | Detect Limit |
| MW-51 | 4-Chloro-3-methylphenol | ug/L | 10 | | U | | 10 |
| MW-51 | 4-Chloroaniline | ug/L | 10 | | U | | 10 |
| MW-51 | 4-Chlorophenyl-phenyl ether | ug/L | 10 | | U | | 10 |
| MW-51 | 4-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-51 | 4-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-51 | 4-Nitrophenol | ug/L | 25 | | U | | 25 |
| MW-51 | Acenaphthene | ug/L | 10 | | U | | 10 |
| MW-51 | Acenaphthylene | ug/L | 10 | | U | | 10 |
| MW-51 | Anthracene | ug/L | 10 | | U | | 10 |
| MW-51 | Benzo(a)anthracene | ug/L | 10 | | U | | 10 |
| MW-51 | Benzo(a)pyrene | ug/L | 10 | | U | | 10 |
| MW-51 | Benzo(b)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-51 | Benzo(g,h,i)perylene | ug/L | 10 | | U | | 10 |
| MW-51 | Benzo(k)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-51 | Bis(2-chloroethoxy)methane | ug/L | 10 | | U | | 10 |
| MW-51 | bis(2-chloroethyl) ether | ug/L | 10 | | U | | 10 |
| MW-51 | Bis(2-ethylhexyl)phthalate | ug/L | 10 | | J | U | 10 |
| MW-51 | Butylbenzylphthalate | ug/L | 10 | | U | | 10 |
| MW-51 | Carbazole | ug/L | 10 | | U | | 10 |
| MW-51 | Chrysene | ug/L | 10 | | U | | 10 |
| MW-51 | Di-n-butylphthalate | ug/L | 10 | | U | | 10 |
| MW-51 | Di-n-octylphthalate | ug/L | 10 | | U | | 10 |
| MW-51 | Dibenzo(a,h)anthracene | ug/L | 10 | | U | | 10 |
| MW-51 | Dibenzofuran | ug/L | 10 | | U | | 10 |
| MW-51 | Diethylphthalate | ug/L | 10 | 8.0 | J | | 10 |
| MW-51 | Dimethylphthalate | ug/L | 10 | | U | | 10 |
| MW-51 | Fluoranthene | ug/L | 10 | | U | | 10 |
| MW-51 | Fluorene | ug/L | 10 | | U | | 10 |
| MW-51 | Hexachlorobenzene | ug/L | 10 | | U | | 10 |
| MW-51 | Hexachlorobutadiene | ug/L | 10 | | U | | 10 |
| MW-51 | Hexachlorocyclopentadiene | ug/L | 10 | | U | | 10 |
| MW-51 | Hexachloroethane | ug/L | 10 | | U | | 10 |
| MW-51 | Indeno(1,2,3-cd)pyrene | ug/L | 10 | | U | | 10 |
| MW-51 | Isophorone | ug/L | 10 | | U | | 10 |
| MW-51 | N-Nitroso-di-n-propylamine | ug/L | 10 | | U | | 10 |
| MW-51 | N-Nitrosodiphenylamine | ug/L | 10 | | U | | 10 |
| MW-51 | Naphthalene | ug/L | 10 | | U | | 10 |
| MW-51 | Nitrobenzene | ug/L | 10 | | U | | 10 |
| MW-51 | Pentachlorophenol | ug/L | 25 | | U | | 25 |
| MW-51 | Phenanthrene | ug/L | 10 | | U | | 10 |
| MW-51 | Phenol | ug/L | 25 | | U | | 10 |
| MW-51 | Pyrene | ug/L | 10 | | U | | 10 |
| MW-52 | 1,2,4-Trichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-52 | 1,2-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-52 | 1,3-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-52 | 1,4-Dichlorobenzene | ug/L | 10 | | U | | 10 |
| MW-52 | 2,2'-oxybis(1-Chloropropane) | ug/L | 10 | | U | | 10 |
| MW-52 | 2,4,5-Trichlorophenol | ug/L | 25 | | U | | 25 |
| MW-52 | 2,4,6-Trichlorophenol | ug/L | 10 | | U | | 10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| Well | Analyte | Units | Highest Detection | CurrentEvent | | | |
|---|---|---|---|---|---|---|---|
| | | | | Result | LQ | DQ | Detect Limit |
| MW-52 | 2,4-Dichlorophenol | ug/L | 10 | | U | | 10 |
| MW-52 | 2,4-Dimethylphenol | ug/L | 10 | | U | | 10 |
| MW-52 | 2,4-Dinitrophenol | ug/L | 25 | | U | | 25 |
| MW-52 | 2,4-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| MW-52 | 2,6-Dinitrotoluene | ug/L | 10 | | U | | 10 |
| MW-52 | 2-Chloronaphthalene | ug/L | 10 | | U | | 10 |
| MW-52 | 2-Chlorophenol | ug/L | 10 | | U | | 10 |
| MW-52 | 2-Methylnaphthalene | ug/L | 10 | | U | | 10 |
| MW-52 | 2-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-52 | 2-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-52 | 2-Nitrophenol | ug/L | 10 | | U | | 10 |
| MW-52 | 3,3'-Dichlorobenzidine | ug/L | 10 | | U | | 10 |
| MW-52 | 3-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-52 | 4,6-Dinitro-2-methylphenol | ug/L | 25 | | U | | 25 |
| MW-52 | 4-Bromophenyl-phenylether | ug/L | 10 | | U | | 10 |
| MW-52 | 4-Chloro-3-methylphenol | ug/L | 10 | | U | | 10 |
| MW-52 | 4-Chloroaniline | ug/L | 10 | | U | | 10 |
| MW-52 | 4-Chlorophenyl-phenyl ether | ug/L | 10 | | U | | 10 |
| MW-52 | 4-Methylphenol | ug/L | 10 | | U | | 10 |
| MW-52 | 4-Nitroaniline | ug/L | 25 | | U | | 25 |
| MW-52 | 4-Nitrophenol | ug/L | 25 | | U | | 25 |
| MW-52 | Acenaphthene | ug/L | 10 | | U | | 10 |
| MW-52 | Acenaphthylene | ug/L | 10 | | U | | 10 |
| MW-52 | Anthracene | ug/L | 10 | | U | | 10 |
| MW-52 | Benzo(a)anthracene | ug/L | 10 | | U | | 10 |
| MW-52 | Benzo(a)pyrene | ug/L | 10 | | U | | 10 |
| MW-52 | Benzo(b)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-52 | Benzo(g,h,i)perylene | ug/L | 10 | | U | | 10 |
| MW-52 | Benzo(k)fluoranthene | ug/L | 10 | | U | | 10 |
| MW-52 | Bis(2-chloroethoxy)methane | ug/L | 10 | | U | | 10 |
| MW-52 | bis(2-chloroethyl) ether | ug/L | 10 | | U | | 10 |
| MW-52 | Bis(2-ethylhexyl)phthalate | ug/L | 39 | | J | " | 10 |
| MW-52 | Butylbenzylphthalate | ug/L | 10 | | U | | 10 |
| MW-52 | Carbazole | ug/L | 10 | | U | | 10 |
| MW-52 | Chrysene | ug/L | 10 | | U | | 10 |
| MW-52 | Di-n-butylphthalate | ug/L | 10 | | U | | 10 |
| MW-52 | Di-n-octylphthalate | ug/L | 10 | | U | | 10 |
| MW-52 | Dibenzo(a,h)anthracene | ug/L | 10 | | U | | 10 |
| MW-52 | Dibenzofuran | ug/L | 10 | | U | | 10 |
| MW-52 | Diethylphthalate | ug/L | 10 | | U | | 10 |
| MW-52 | Dimethylphthalate | ug/L | 10 | | U | | 10 |
| MW-52 | Fluoranthene | ug/L | 10 | | U | | 10 |
| MW-52 | Fluorene | ug/L | 10 | | U | | 10 |
| MW-52 | Hexachlorobenzene | ug/L | 10 | | U | | 10 |
| MW-52 | Hexachlorobutadiene | ug/L | 10 | | U | | 10 |
| MW-52 | Hexachlorocyclopentadiene | ug/L | 10 | | U | | 10 |
| MW-52 | Hexachloroethane | ug/L | 10 | | U | | 10 |
| MW-52 | Indeno(1,2,3-cd)pyrene | ug/L | 10 | | U | | 10 |
| MW-52 | Isophorone | ug/L | 10 | | U | | 10 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| Well | Analyte | Units | Highest Detection | CurrentEvent | | | |
|---|---|---|---|---|---|---|---|
| | | | | Result | LQ | DQ | Detect Limit |
| MW-52 | N-Nitroso-di-n-propylamine | ug/L | 10 | | U | | 10 |
| MW-52 | N-Nitrosodiphenylamine | ug/L | 10 | | U | | 10 |
| MW-52 | Naphthalene | ug/L | 10 | | U | | 10 |
| MW-52 | Nitrobenzene | ug/L | 10 | | U | | 10 |
| MW-52 | Pentachlorophenol | ug/L | 25 | | U | | 25 |
| MW-52 | Phenanthrene | ug/L | 10 | | U | | 10 |
| MW-52 | Phenol | ug/L | 33 | | U | | 10 |
| MW-52 | Pyrene | ug/L | 10 | | U | | 10 |
| MW-53 | 1,2,4-Trichlorobenzene | ug/L | 15 | | U | | 10 |
| MW-53 | 1,2-Dichlorobenzene | ug/L | 15 | | U | | 10 |
| MW-53 | 1,3-Dichlorobenzene | ug/L | 15 | | U | | 10 |
| MW-53 | 1,4-Dichlorobenzene | ug/L | 15 | | U | | 10 |
| MW-53 | 2,2'-oxybis(1-Chloropropane) | ug/L | 15 | | U | | 10 |
| MW-53 | 2,4,5-Trichlorophenol | ug/L | 38 | | U | | 25 |
| MW-53 | 2,4,6-Trichlorophenol | ug/L | 15 | | U | | 10 |
| MW-53 | 2,4-Dichlorophenol | ug/L | 15 | | U | | 10 |
| MW-53 | 2,4-Dimethylphenol | ug/L | 15 | | U | | 10 |
| MW-53 | 2,4-Dinitrophenol | ug/L | 38 | | U | | 25 |
| MW-53 | 2,4-Dinitrotoluene | ug/L | 15 | | U | | 10 |
| MW-53 | 2,6-Dinitrotoluene | ug/L | 15 | | U | | 10 |
| MW-53 | 2-Chloronaphthalene | ug/L | 15 | | U | | 10 |
| MW-53 | 2-Chlorophenol | ug/L | 15 | | U | | 10 |
| MW-53 | 2-Methylnaphthalene | ug/L | 15 | | U | | 10 |
| MW-53 | 2-Methylphenol | ug/L | 15 | | U | | 10 |
| MW-53 | 2-Nitroaniline | ug/L | 38 | | U | | 25 |
| MW-53 | 2-Nitrophenol | ug/L | 15 | | U | | 10 |
| MW-53 | 3,3'-Dichlorobenzidine | ug/L | 15 | | U | | 10 |
| MW-53 | 3-Nitroaniline | ug/L | 38 | | U | | 25 |
| MW-53 | 4,6-Dinitro-2-methylphenol | ug/L | 50 | | U | | 25 |
| MW-53 | 4-Bromophenyl-phenylether | ug/L | 15 | | U | | 10 |
| MW-53 | 4-Chloro-3-methylphenol | ug/L | 15 | | U | | 10 |
| MW-53 | 4-Chloroaniline | ug/L | 15 | | U | | 10 |
| MW-53 | 4-Chlorophenyl-phenyl ether | ug/L | 15 | | U | | 10 |
| MW-53 | 4-Methylphenol | ug/L | 11 | | U | | 10 |
| MW-53 | 4-Nitroaniline | ug/L | 38 | | U | | 25 |
| MW-53 | 4-Nitrophenol | ug/L | 38 | | U | | 25 |
| MW-53 | Acenaphthene | ug/L | 15 | | U | | 10 |
| MW-53 | Acenaphthylene | ug/L | 15 | | U | | 10 |
| MW-53 | Anthracene | ug/L | 15 | | U | | 10 |
| MW-53 | Benzo(a)anthracene | ug/L | 15 | | U | | 10 |
| MW-53 | Benzo(a)pyrene | ug/L | 15 | | U | | 10 |
| MW-53 | Benzo(b)fluoranthene | ug/L | 15 | | U | | 10 |
| MW-53 | Benzo(g,h,i)perylene | ug/L | 15 | | U | | 10 |
| MW-53 | Benzo(k)fluoranthene | ug/L | 15 | | U | | 10 |
| MW-53 | Bis(2-chloroethoxy)methane | ug/L | 15 | | U | | 10 |
| MW-53 | bis(2-chloroethyl) ether | ug/L | 15 | | U | | 10 |
| MW-53 | Bis(2-ethylhexyl)phthalate | ug/L | 21 | | | U | 13 |
| MW-53 | Butylbenzylphthalate | ug/L | 15 | | U | | 10 |
| MW-53 | Carbazole | ug/L | 15 | | U | | 10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| Well | Analyte | Units | Highest Detection | CurrentEvent | | | |
|---|---|---|---|---|---|---|---|
| | | | | Result | LQ | DQ | Detect Limit |
| MW-53 | Chrysene | ug/L | 15 | | U | | 10 |
| MW-53 | Di-n-butylphthalate | ug/L | 15 | | U | | 10 |
| MW-53 | Di-n-octylphthalate | ug/L | 15 | | U | | 10 |
| MW-53 | Dibenzo(a,h)anthracene | ug/L | 15 | | U | | 10 |
| MW-53 | Dibenzofuran | ug/L | 15 | | U | | 10 |
| MW-53 | Diethylphthalate | ug/L | 15 | | U | | 10 |
| MW-53 | Dimethylphthalate | ug/L | 15 | | U | | 10 |
| MW-53 | Fluoranthene | ug/L | 15 | | U | | 10 |
| MW-53 | Fluorene | ug/L | 15 | | U | | 10 |
| MW-53 | Hexachlorobenzene | ug/L | 15 | | U | | 10 |
| MW-53 | Hexachlorobutadiene | ug/L | 15 | | U | | 10 |
| MW-53 | Hexachlorocyclopentadiene | ug/L | 15 | | U | | 10 |
| MW-53 | Hexachloroethane | ug/L | 15 | | U | | 10 |
| MW-53 | Indeno(1,2,3-cd)pyrene | ug/L | 15 | | U | | 10 |
| MW-53 | Isophorone | ug/L | 10 | | U | | 10 |
| MW-53 | N-Nitroso-di-n-propylamine | ug/L | 15 | | U | | 10 |
| MW-53 | N-Nitrosodiphenylamine | ug/L | 15 | | U | | 10 |
| MW-53 | Naphthalene | ug/L | 15 | | U | | 10 |
| MW-53 | Nitrobenzene | ug/L | 15 | | U | | 10 |
| MW-53 | Pentachlorophenol | ug/L | 38 | | U | | 25 |
| MW-53 | Phenanthrene | ug/L | 15 | | U | | 10 |
| MW-53 | Phenol | ug/L | 58 | | U | | 10 |
| MW-53 | Pyrene | ug/L | 15 | | U | | 10 |
| MW-54R | 1,2,4-Trichlorobenzene | ug/L | 30 | | U | | 10 |
| MW-54R | 1,2-Dichlorobenzene | ug/L | 30 | | U | | 10 |
| MW-54R | 1,3-Dichlorobenzene | ug/L | 30 | | U | | 10 |
| MW-54R | 1,4-Dichlorobenzene | ug/L | 30 | | U | | 10 |
| MW-54R | 2,2'-oxybis(1-Chloropropane) | ug/L | 30 | | U | | 10 |
| MW-54R | 2,4,5-Trichlorophenol | ug/L | 75 | | U | | 25 |
| MW-54R | 2,4,6-Trichlorophenol | ug/L | 30 | | U | | 10 |
| MW-54R | 2,4-Dichlorophenol | ug/L | 30 | | U | | 10 |
| MW-54R | 2,4-Dimethylphenol | ug/L | 30 | | U | | 10 |
| MW-54R | 2,4-Dinitrophenol | ug/L | 75 | | U | | 25 |
| MW-54R | 2,4-Dinitrotoluene | ug/L | 30 | | U | | 10 |
| MW-54R | 2,6-Dinitrotoluene | ug/L | 30 | | U | | 10 |
| MW-54R | 2-Chloronaphthalene | ug/L | 30 | | U | | 10 |
| MW-54R | 2-Chlorophenol | ug/L | 30 | | U | | 10 |
| MW-54R | 2-Methylnaphthalene | ug/L | 30 | | U | | 10 |
| MW-54R | 2-Methylphenol | ug/L | 30 | | U | | 10 |
| MW-54R | 2-Nitroaniline | ug/L | 75 | | U | | 25 |
| MW-54R | 2-Nitrophenol | ug/L | 30 | | U | | 10 |
| MW-54R | 3,3'-Dichlorobenzidine | ug/L | 30 | | U | | 10 |
| MW-54R | 3-Nitroaniline | ug/L | 75 | | U | | 25 |
| MW-54R | 4,6-Dinitro-2-methylphenol | ug/L | 75 | | U | | 25 |
| MW-54R | 4-Bromophenyl-phenylether | ug/L | 30 | | U | | 10 |
| MW-54R | 4-Chloro-3-methylphenol | ug/L | 30 | | U | | 10 |
| MW-54R | 4-Chloroaniline | ug/L | 30 | | U | | 10 |
| MW-54R | 4-Chlorophenyl-phenyl ether | ug/L | 30 | | U | | 10 |
| MW-54R | 4-Methylphenol | ug/L | 30 | | U | | 10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

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

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

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

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| Well | Analyte | Units | Highest Detection | CurrentEvent | | | |
|---|---|---|---|---|---|---|---|
| | | | | Result | LQ | DQ | Detect Limit |
| MW-55 | Pentachlorophenol | ug/L | 25 | | U | | 25 |
| MW-55 | Phenanthrene | ug/L | 10 | | U | | 10 |
| MW-55 | Phenol | ug/L | 39 | | U | | 10 |
| MW-55 | Pyrene | ug/L | 10 | | U | | 10 |

**BOLD** = Exceedance
NA = Not Available

# PESTICIDES AND PCBs

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | UJ | 0.10 |
| M-1S | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.10 |
| M-1S | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.10 |
| M-1S | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| M-1S | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| M-1S | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| M-1S | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 1.0 |
| M-1S | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 2.0 |
| M-1S | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 1.0 |
| M-1S | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 1.0 |
| M-1S | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 1.0 |
| M-1S | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 1.0 |
| M-1S | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 1.0 |
| M-1S | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| M-1S | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| M-1S | Dieldrin | ug/L | 0.10 | | U | UJ | 0.10 |
| M-1S | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| M-1S | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.10 |
| M-1S | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.10 |
| M-1S | Endrin | ug/L | 0.10 | | U | UJ | 0.10 |
| M-1S | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.10 |
| M-1S | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.10 |
| M-1S | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| M-1S | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| M-1S | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| M-1S | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| M-1S | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.51 |
| M-1S | Toxaphene | ug/L | 5.0 | | U | UJ | 5.1 |
| M-3S | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.10 |
| M-3S | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.10 |
| M-3S | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.10 |
| M-3S | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| M-3S | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| M-3S | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| M-3S | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 1.0 |
| M-3S | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 2.0 |
| M-3S | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 1.0 |
| M-3S | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 1.0 |
| M-3S | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 1.0 |
| M-3S | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 1.0 |
| M-3S | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 1.0 |
| M-3S | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| M-3S | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| M-3S | Dieldrin | ug/L | 0.10 | | U | UJ | 0.10 |
| M-3S | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| M-3S | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.10 |
| M-3S | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.10 |
| M-3S | Endrin | ug/L | 0.10 | | U | UJ | 0.10 |
| M-3S | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.10 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | UJ | 0.10 |
| M-3S | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| M-3S | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| M-3S | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| M-3S | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| M-3S | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.50 |
| M-3S | Toxaphene | ug/L | 5.0 | | U | UJ | 5.0 |
| M-4D | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.10 |
| M-4D | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.10 |
| M-4D | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.10 |
| M-4D | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| M-4D | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| M-4D | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| M-4D | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 0.95 |
| M-4D | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 1.9 |
| M-4D | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 0.95 |
| M-4D | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 0.95 |
| M-4D | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 0.95 |
| M-4D | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 0.95 |
| M-4D | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 0.95 |
| M-4D | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| M-4D | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| M-4D | Dieldrin | ug/L | 0.10 | | U | UJ | 0.10 |
| M-4D | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| M-4D | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.10 |
| M-4D | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.10 |
| M-4D | Endrin | ug/L | 0.10 | | U | UJ | 0.10 |
| M-4D | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.10 |
| M-4D | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.10 |
| M-4D | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| M-4D | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| M-4D | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| M-4D | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| M-4D | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.48 |
| M-4D | Toxaphene | ug/L | 5.0 | | U | UJ | 4.8 |
| M-4S | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.10 |
| M-4S | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.10 |
| M-4S | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.10 |
| M-4S | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| M-4S | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| M-4S | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| M-4S | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 0.96 |
| M-4S | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 1.9 |
| M-4S | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 0.96 |
| M-4S | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 0.96 |
| M-4S | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 0.96 |
| M-4S | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 0.96 |
| M-4S | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 0.96 |
| M-4S | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | UJ | 0.05 |
| M-4S | Dieldrin | ug/L | 0.10 | | U | UJ | 0.10 |
| M-4S | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| M-4S | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.10 |
| M-4S | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.10 |
| M-4S | Endrin | ug/L | 0.10 | | U | UJ | 0.10 |
| M-4S | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.10 |
| M-4S | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.10 |
| M-4S | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| M-4S | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| M-4S | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| M-4S | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| M-4S | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.48 |
| M-4S | Toxaphene | ug/L | 5.0 | | U | UJ | 4.8 |
| MW-06 | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-06 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-06 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-06 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-06 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-06 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-06 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-06 | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 2.1 |
| MW-06 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-06 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-06 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-06 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-06 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-06 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-06 | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-06 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-06 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-06 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-06 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-06 | Endrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-06 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-06 | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-06 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-06 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-06 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-06 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-06 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.52 |
| MW-06 | Toxaphene | ug/L | 5.0 | | U | UJ | 5.2 |
| MW-07 | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-07 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-07 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-07 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-07 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-07 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-07 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 1.0 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | UJ | 2.0 |
| MW-07 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-07 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-07 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-07 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-07 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-07 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-07 | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-07 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-07 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-07 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-07 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-07 | Endrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-07 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-07 | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-07 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-07 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-07 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-07 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-07 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.51 |
| MW-07 | Toxaphene | ug/L | 5.0 | | U | UJ | 5.1 |
| MW-08 | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-08 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-08 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-08 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-08 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-08 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-08 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 0.98 |
| MW-08 | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 2.0 |
| MW-08 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 0.98 |
| MW-08 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 0.98 |
| MW-08 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 0.98 |
| MW-08 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 0.98 |
| MW-08 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 0.98 |
| MW-08 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-08 | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-08 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-08 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-08 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-08 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-08 | Endrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-08 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-08 | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-08 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-08 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-08 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-08 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-08 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.49 |
| MW-08 | Toxaphene | ug/L | 5.0 | | U | UJ | 4.9 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| Well | Analyte | Units | Highest Detection | CurrentEvent | | | |
|---|---|---|---|---|---|---|---|
| | | | | Result | LQ | DQ | Detect Limit |
| MW-09R | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-09R | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-09R | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-09R | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-09R | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-09R | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-09R | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-09R | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 1.9 |
| MW-09R | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-09R | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-09R | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-09R | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-09R | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-09R | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-09R | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-09R | Dieldrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-09R | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-09R | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-09R | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-09R | Endrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-09R | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-09R | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-09R | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-09R | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-09R | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-09R | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-09R | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.48 |
| MW-09R | Toxaphene | ug/L | 5.0 | | U | UJ | 4.8 |
| MW-10C | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-10C | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-10C | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-10C | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-10C | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-10C | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.09 |
| MW-10C | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-10C | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 1.9 |
| MW-10C | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-10C | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-10C | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-10C | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-10C | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-10C | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-10C | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-10C | Dieldrin | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-10C | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-10C | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-10C | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-10C | Endrin | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-10C | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.09 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| Well | Analyte | Units | Highest Detection | CurrentEvent | | | |
|---|---|---|---|---|---|---|---|
| | | | | Result | LQ | DQ | Detect Limit |
| MW-10C | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-10C | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-10C | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.09 |
| MW-10C | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-10C | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-10C | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.47 |
| MW-10C | Toxaphene | ug/L | 5.0 | | U | UJ | 4.7 |
| MW-11 | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-11 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-11 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-11 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-11 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-11 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.09 |
| MW-11 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-11 | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 1.9 |
| MW-11 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-11 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-11 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-11 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-11 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-11 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-11 | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-11 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-11 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-11 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-11 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-11 | Endrin | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-11 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-11 | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-11 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-11 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.09 |
| MW-11 | Heptachlor | ug/L | [illegible].05 | | U | UJ | 0.05 |
| MW-11 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-11 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.47 |
| MW-11 | Toxaphene | ug/L | 5.0 | | U | UJ | 4.7 |
| MW-12 | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-12 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-12 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-12 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-12 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-12 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-12 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 0.96 |
| MW-12 | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 1.9 |
| MW-12 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 0.96 |
| MW-12 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 0.96 |
| MW-12 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 0.96 |
| MW-12 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 0.96 |
| MW-12 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 0.96 |
| MW-12 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | 0.05 |
| MW-12 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-12 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-12 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-12 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-12 | Endrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-12 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-12 | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-12 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-12 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-12 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-12 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-12 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.48 |
| MW-12 | Toxaphene | ug/L | 5.0 | | U | UJ | 4.8 |
| MW-13 | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-13 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-13 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-13 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-13 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-13 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-13 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-13 | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 2.0 |
| MW-13 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-13 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-13 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-13 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-13 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-13 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-13 | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-13 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-13 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-13 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-13 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-13 | Endrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-13 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-13 | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-13 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-13 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-13 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-13 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-13 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.50 |
| MW-13 | Toxaphene | ug/L | 5.0 | | U | UJ | 5.0 |
| MW-14 | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-14 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-14 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-14 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-14 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-14 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-14 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 0.95 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | 1.9 |
| MW-14 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-14 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-14 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-14 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-14 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-14 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-14 | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-14 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-14 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-14 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-14 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-14 | Endrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-14 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-14 | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-14 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-14 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-14 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-14 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-14 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.48 |
| MW-14 | Toxaphene | ug/L | 5.0 | | U | UJ | 4.8 |
| MW-15 | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-15 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-15 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-15 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-15 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-15 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-15 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-15 | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 2.0 |
| MW-15 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-15 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-15 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-15 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-15 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-15 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-15 | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-15 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-15 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-15 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-15 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-15 | Endrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-15 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-15 | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-15 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-15 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-15 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-15 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-15 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.50 |
| MW-15 | Toxaphene | ug/L | 5.0 | | U | UJ | 5.0 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | UJ | 0.09 |
| MW-18 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-18 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-18 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-18 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-18 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.09 |
| MW-18 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-18 | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 1.9 |
| MW-18 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-18 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-18 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-18 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-18 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-18 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-18 | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-18 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-18 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-18 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-18 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-18 | Endrin | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-18 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-18 | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-18 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-18 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.09 |
| MW-18 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-18 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-18 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.47 |
| MW-18 | Toxaphene | ug/L | 5.0 | | U | UJ | 4.7 |
| MW-19 | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-19 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-19 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-19 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-19 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-19 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-19 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-19 | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 2.1 |
| MW-19 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-19 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-19 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-19 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-19 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-19 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-19 | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-19 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-19 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-19 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-19 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-19 | Endrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-19 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.10 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | UJ | 0.10 |
| MW-19 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-19 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-19 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-19 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-19 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.52 |
| MW-19 | Toxaphene | ug/L | 5.0 | | U | UJ | 5.2 |
| MW-22 | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.12 |
| MW-22 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.12 |
| MW-22 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.12 |
| MW-22 | Aldrin | ug/L | 0.05 | | U | UJ | 0.06 |
| MW-22 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.06 |
| MW-22 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.12 |
| MW-22 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 1.2 |
| MW-22 | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 2.4 |
| MW-22 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 1.2 |
| MW-22 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 1.2 |
| MW-22 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 1.2 |
| MW-22 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 1.2 |
| MW-22 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 1.2 |
| MW-22 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.06 |
| MW-22 | delta-BHC | ug/L | 0.05 | | U | UJ | 0.06 |
| MW-22 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.12 |
| MW-22 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.06 |
| MW-22 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.12 |
| MW-22 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.12 |
| MW-22 | Endrin | ug/L | 0.10 | | U | UJ | 0.12 |
| MW-22 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.12 |
| MW-22 | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.12 |
| MW-22 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.06 |
| MW-22 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.12 |
| MW-22 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.06 |
| MW-22 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.06 |
| MW-22 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.59 |
| MW-22 | Toxaphene | ug/L | 5.0 | | U | UJ | 5.9 |
| MW-23 | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-23 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-23 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-23 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-23 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-23 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.09 |
| MW-23 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-23 | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 1.9 |
| MW-23 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-23 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-23 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-23 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-23 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-23 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | UJ | 0.05 |
| MW-23 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-23 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-23 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-23 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-23 | Endrin | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-23 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-23 | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-23 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-23 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.09 |
| MW-23 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-23 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-23 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.47 |
| MW-23 | Toxaphene | ug/L | 5.0 | | U | UJ | 4.7 |
| MW-24 | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-24 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-24 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-24 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-24 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-24 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-24 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-24 | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 1.9 |
| MW-24 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-24 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-24 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-24 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-24 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-24 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-24 | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-24 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-24 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-24 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-24 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-24 | Endrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-24 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-24 | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-24 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-24 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-24 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-24 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-24 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.48 |
| MW-24 | Toxaphene | ug/L | 5.0 | | U | UJ | 4.8 |
| MW-28 | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-28 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-28 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-28 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-28 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-28 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-28 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 0.95 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | UJ | 1.9 |
| MW-28 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-28 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-28 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-28 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-28 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-28 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-28 | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-28 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-28 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-28 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-28 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-28 | Endrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-28 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-28 | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-28 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-28 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-28 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-28 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-28 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.47 |
| MW-28 | Toxaphene | ug/L | 5.0 | | U | UJ | 4.7 |
| MW-29 | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-29 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-29 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-29 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-29 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-29 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-29 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-29 | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 2.0 |
| MW-29 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-29 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-29 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-29 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-29 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-29 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-29 | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-29 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-29 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-29 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-29 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-29 | Endrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-29 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-29 | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-29 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-29 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-29 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-29 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-29 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.50 |
| MW-29 | Toxaphene | ug/L | 5.0 | | U | UJ | 5.0 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | UJ | 0.10 |
| MW-30 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-30 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-30 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-30 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-30 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-30 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 0.98 |
| MW-30 | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 2.0 |
| MW-30 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 0.98 |
| MW-30 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 0.98 |
| MW-30 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 0.98 |
| MW-30 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 0.98 |
| MW-30 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 0.98 |
| MW-30 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-30 | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-30 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-30 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-30 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-30 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-30 | Endrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-30 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-30 | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-30 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-30 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-30 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-30 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-30 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.49 |
| MW-30 | Toxaphene | ug/L | 5.0 | | U | UJ | 4.9 |
| MW-31 | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-31 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-31 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-31 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-31 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-31 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-31 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-31 | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 1.9 |
| MW-31 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-31 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-31 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-31 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-31 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-31 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-31 | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-31 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-31 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-31 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-31 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-31 | Endrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-31 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | UJ | 0.10 |
| MW-31 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-31 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-31 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-31 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-31 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.48 |
| MW-31 | Toxaphene | ug/L | 5.0 | | U | UJ | 4.8 |
| MW-32 | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-32 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-32 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-32 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-32 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-32 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-32 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 0.96 |
| MW-32 | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 1.9 |
| MW-32 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 0.96 |
| MW-32 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 0.96 |
| MW-32 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 0.96 |
| MW-32 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 0.96 |
| MW-32 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 0.96 |
| MW-32 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-32 | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-32 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-32 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-32 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-32 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-32 | Endrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-32 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-32 | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-32 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-32 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-32 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-32 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-32 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.48 |
| MW-32 | Toxaphene | ug/L | 5.0 | | U | UJ | 4.8 |
| MW-33 | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-33 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-33 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-33 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-33 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-33 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.09 |
| MW-33 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-33 | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 1.9 |
| MW-33 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-33 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-33 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-33 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-33 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-33 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | UJ | 0.05 |
| MW-33 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-33 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-33 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-33 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-33 | Endrin | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-33 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-33 | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-33 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-33 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.09 |
| MW-33 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-33 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-33 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.47 |
| MW-33 | Toxaphene | ug/L | 5.0 | | U | UJ | 4.7 |
| MW-34 | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-34 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-34 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-34 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-34 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-34 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-34 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 0.99 |
| MW-34 | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 2.0 |
| MW-34 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 0.99 |
| MW-34 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 0.99 |
| MW-34 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 0.99 |
| MW-34 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 0.99 |
| MW-34 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 0.99 |
| MW-34 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-34 | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-34 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-34 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-34 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-34 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-34 | Endrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-34 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-34 | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-34 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-34 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-34 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-34 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-34 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.50 |
| MW-34 | Toxaphene | ug/L | 5.0 | | U | UJ | 5.0 |
| MW-36 | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-36 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-36 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-36 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-36 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-36 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-36 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 0.95 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | UJ | 1.9 |
| MW-36 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-36 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-36 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-36 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-36 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-36 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-36 | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-36 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-36 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-36 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-36 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-36 | Endrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-36 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-36 | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-36 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-36 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-36 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-36 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-36 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.48 |
| MW-36 | Toxaphene | ug/L | 5.0 | | U | UJ | 4.8 |
| MW-37 | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-37 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-37 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-37 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-37 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-37 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.09 |
| MW-37 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-37 | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 1.9 |
| MW-37 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-37 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-37 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-37 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-37 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-37 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-37 | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-37 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-37 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-37 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-37 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-37 | Endrin | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-37 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-37 | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-37 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-37 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.09 |
| MW-37 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-37 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-37 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.47 |
| MW-37 | Toxaphene | ug/L | 5.0 | | U | UJ | 4.7 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | UJ | 0.10 |
| MW-38 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-38 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-38 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-38 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-38 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-38 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-38 | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 1.9 |
| MW-38 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-38 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-38 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-38 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-38 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-38 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-38 | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-38 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-38 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-38 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-38 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-38 | Endrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-38 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-38 | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-38 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-38 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-38 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-38 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-38 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.48 |
| MW-38 | Toxaphene | ug/L | 5.0 | | U | UJ | 4.8 |
| MW-39 | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-39 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-39 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-39 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-39 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-39 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-39 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-39 | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 1.9 |
| MW-39 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-39 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-39 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-39 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-39 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-39 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-39 | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-39 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-39 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-39 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-39 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-39 | Endrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-39 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | UJ | 0.10 |
| MW-39 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-39 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-39 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-39 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-39 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.48 |
| MW-39 | Toxaphene | ug/L | 5.0 | | U | UJ | 4.8 |
| MW-40 | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-40 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-40 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-40 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-40 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-40 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-40 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-40 | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 1.9 |
| MW-40 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-40 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-40 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-40 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-40 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-40 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-40 | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-40 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-40 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-40 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-40 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-40 | Endrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-40 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-40 | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-40 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-40 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-40 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-40 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-40 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.48 |
| MW-40 | Toxaphene | ug/L | 5.0 | | U | UJ | 4.8 |
| MW-41 | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-41 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-41 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-41 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-41 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-41 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-41 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-41 | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 2.0 |
| MW-41 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-41 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-41 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-41 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-41 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-41 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | UJ | 0.05 |
| MW-41 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-41 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-41 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-41 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-41 | Endrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-41 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-41 | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-41 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-41 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-41 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-41 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-41 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.50 |
| MW-41 | Toxaphene | ug/L | 5.0 | | U | UJ | 5.0 |
| MW-42 | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-42 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-42 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-42 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-42 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-42 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-42 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-42 | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 1.9 |
| MW-42 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-42 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-42 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-42 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-42 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-42 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-42 | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-42 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-42 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-42 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-42 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-42 | Endrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-42 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-42 | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-42 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-42 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-42 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-42 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-42 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.47 |
| MW-42 | Toxaphene | ug/L | 5.0 | | U | UJ | 4.7 |
| MW-43 | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-43 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-43 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-43 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-43 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-43 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-43 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 0.95 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | UJ | 1.9 |
| MW-43 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-43 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-43 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-43 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-43 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-43 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-43 | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-43 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-43 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-43 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-43 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-43 | Endrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-43 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-43 | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-43 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-43 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-43 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-43 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-43 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.47 |
| MW-43 | Toxaphene | ug/L | 5.0 | | U | UJ | 4.7 |
| MW-44 | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-44 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-44 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-44 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-44 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-44 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-44 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-44 | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 1.9 |
| MW-44 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-44 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-44 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-44 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-44 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-44 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-44 | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-44 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-44 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-44 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-44 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-44 | Endrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-44 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-44 | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-44 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-44 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-44 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-44 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-44 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.47 |
| MW-44 | Toxaphene | ug/L | 5.0 | | U | UJ | 4.7 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | UJ | 0.10 |
| MW-45 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-45 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-45 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-45 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-45 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-45 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-45 | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 1.9 |
| MW-45 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-45 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-45 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-45 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-45 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-45 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-45 | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-45 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-45 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-45 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-45 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-45 | Endrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-45 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-45 | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-45 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-45 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-45 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-45 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-45 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.48 |
| MW-45 | Toxaphene | ug/L | 5.0 | | U | UJ | 4.8 |
| MW-46 | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-46 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-46 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-46 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-46 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-46 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.09 |
| MW-46 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-46 | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 1.9 |
| MW-46 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-46 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-46 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-46 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-46 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-46 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-46 | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-46 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-46 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-46 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-46 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-46 | Endrin | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-46 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.09 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | UJ | 0.09 |
| MW-46 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-46 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.09 |
| MW-46 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-46 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-46 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.47 |
| MW-46 | Toxaphene | ug/L | 5.0 | | U | UJ | 4.7 |
| MW-47 | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-47 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-47 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-47 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-47 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-47 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-47 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 0.96 |
| MW-47 | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 1.9 |
| MW-47 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 0.96 |
| MW-47 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 0.96 |
| MW-47 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 0.96 |
| MW-47 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 0.96 |
| MW-47 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 0.96 |
| MW-47 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-47 | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-47 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-47 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-47 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-47 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-47 | Endrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-47 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-47 | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-47 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-47 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-47 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-47 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-47 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.48 |
| MW-47 | Toxaphene | ug/L | 5.0 | | U | UJ | 4.8 |
| MW-48 | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-48 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-48 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-48 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-48 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-48 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-48 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-48 | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 1.9 |
| MW-48 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-48 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-48 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-48 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-48 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-48 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | UJ | 0.05 |
| MW-48 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-48 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-48 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-48 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-48 | Endrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-48 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-48 | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-48 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-48 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-48 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-48 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-48 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.48 |
| MW-48 | Toxaphene | ug/L | 5.0 | | U | UJ | 4.8 |
| MW-49 | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-49 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-49 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-49 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-49 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-49 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.09 |
| MW-49 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-49 | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 1.9 |
| MW-49 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-49 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-49 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-49 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-49 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-49 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-49 | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-49 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-49 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-49 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-49 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-49 | Endrin | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-49 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-49 | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-49 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-49 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.09 |
| MW-49 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-49 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-49 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.47 |
| MW-49 | Toxaphene | ug/L | 5.0 | | U | UJ | 4.7 |
| MW-50 | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-50 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-50 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-50 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-50 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-50 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.09 |
| MW-50 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 0.94 |

**BOLD** = Exceedance

NA = Not Available

## Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | UJ | 1.9 |
| MW-50 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-50 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-50 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-50 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-50 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 0.94 |
| MW-50 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-50 | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-50 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-50 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-50 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-50 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-50 | Endrin | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-50 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-50 | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.09 |
| MW-50 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-50 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.09 |
| MW-50 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-50 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-50 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.47 |
| MW-50 | Toxaphene | ug/L | 5.0 | | U | UJ | 4.7 |
| MW-51 | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-51 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-51 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-51 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-51 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-51 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-51 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-51 | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 2.0 |
| MW-51 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-51 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-51 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-51 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-51 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 1.0 |
| MW-51 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-51 | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-51 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-51 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-51 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-51 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-51 | Endrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-51 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-51 | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-51 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-51 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-51 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-51 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-51 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.50 |
| MW-51 | Toxaphene | ug/L | 5.0 | | U | UJ | 5.0 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | 0.10 |
| MW-52 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-52 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-52 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-52 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-52 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-52 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-52 | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 1.9 |
| MW-52 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-52 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-52 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-52 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-52 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 0.95 |
| MW-52 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-52 | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-52 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-52 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-52 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-52 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-52 | Endrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-52 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-52 | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-52 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-52 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-52 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-52 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-52 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.48 |
| MW-52 | Toxaphene | ug/L | 5.0 | | U | UJ | 4.8 |
| MW-53 | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-53 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-53 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-53 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-53 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-53 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-53 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 0.96 |
| MW-53 | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 1.9 |
| MW-53 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 0.96 |
| MW-53 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 0.96 |
| MW-53 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 0.96 |
| MW-53 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 0.96 |
| MW-53 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 0.96 |
| MW-53 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-53 | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-53 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-53 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-53 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-53 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-53 | Endrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-53 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | 0.10 |
| MW-53 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-53 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-53 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-53 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-53 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.48 |
| MW-53 | Toxaphene | ug/L | 5.0 | | U | UJ | 4.8 |
| MW-54R | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-54R | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-54R | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-54R | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-54R | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-54R | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-54R | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 0.96 |
| MW-54R | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 1.9 |
| MW-54R | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 0.96 |
| MW-54R | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 0.96 |
| MW-54R | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 0.96 |
| MW-54R | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 0.96 |
| MW-54R | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 0.96 |
| MW-54R | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-54R | delta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-54R | Dieldrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-54R | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-54R | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-54R | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-54R | Endrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-54R | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-54R | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-54R | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-54R | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-54R | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-54R | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-54R | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.48 |
| MW-54R | Toxaphene | ug/L | 5.0 | | U | UJ | 4.8 |
| MW-55 | 4,4'-DDD | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-55 | 4,4'-DDE | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-55 | 4,4'-DDT | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-55 | Aldrin | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-55 | alpha-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-55 | alpha-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-55 | Aroclor-1016 | ug/L | 1.0 | | U | UJ | 0.97 |
| MW-55 | Aroclor-1221 | ug/L | 2.0 | | U | UJ | 1.9 |
| MW-55 | Aroclor-1232 | ug/L | 1.0 | | U | UJ | 0.97 |
| MW-55 | Aroclor-1242 | ug/L | 1.0 | | U | UJ | 0.97 |
| MW-55 | Aroclor-1248 | ug/L | 1.0 | | U | UJ | 0.97 |
| MW-55 | Aroclor-1254 | ug/L | 1.0 | | U | UJ | 0.97 |
| MW-55 | Aroclor-1260 | ug/L | 1.0 | | U | UJ | 0.97 |
| MW-55 | beta-BHC | ug/L | 0.05 | | U | UJ | 0.05 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | UJ | 0.05 |
| MW-55 | Dieldrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-55 | Endosulfan I | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-55 | Endosulfan II | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-55 | Endosulfan sulfate | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-55 | Endrin | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-55 | Endrin aldehyde | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-55 | Endrin ketone | ug/L | 0.10 | | U | UJ | 0.10 |
| MW-55 | gamma-BHC | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-55 | gamma-Chlordane | ug/L | 0.05 | | U | UJ | 0.10 |
| MW-55 | Heptachlor | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-55 | Heptachlor epoxide | ug/L | 0.05 | | U | UJ | 0.05 |
| MW-55 | Methoxychlor | ug/L | 0.50 | | U | UJ | 0.49 |
| MW-55 | Toxaphene | ug/L | 5.0 | | U | UJ | 4.9 |

**BOLD** = Exceedance
NA = Not Available

# INORGANICS

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| Well | Analyte | Units | Highest Detection | CurrentEvent | | | |
|---|---|---|---|---|---|---|---|
| | | | | Result | LQ | DQ | Detect Limit |
| M-1S | Aluminum | ug/L | 891 | | B | U | 125 |
| M-1S | Antimony | ug/L | 2.0 | | U | | 46 |
| M-1S | Arsenic | ug/L | 3.0 | | U | | 1.9 |
| M-1S | Barium | ug/L | 908 | 518 | | | 1.0 |
| M-1S | Beryllium | ug/L | 1.0 | | U | | 0.60 |
| M-1S | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| M-1S | Calcium | ug/L | 270,000 | 225,000 | | | 11 |
| M-1S | Chromium (Total) | ug/L | 23 | | B | U | 6.5 |
| M-1S | Cobalt | ug/L | 5.1 | | B | U | 5.6 |
| M-1S | Copper | ug/L | 8.3 | | B | U | 5.9 |
| M-1S | Cyanide (Total) | ug/L | 10 | | U | | 1.7 |
| M-1S | Iron | ug/L | 23,600 | 22,500 | | | 6.8 |
| M-1S | Lead | ug/L | 2.5 | | U | | 1.1 |
| M-1S | Magnesium | ug/L | 91,100 | 80,000 | | | 64 |
| M-1S | Manganese | ug/L | 704 | 567 | | | 1.1 |
| M-1S | Mercury | ug/L | 0.20 | | U | | 0.10 |
| M-1S | Nickel | ug/L | 22 | | U | | 14 |
| M-1S | Potassium | ug/L | 46,400 | 35,600 | | | 2,150 |
| M-1S | Selenium | ug/L | 2.0 | | U | | 3.1 |
| M-1S | Silver | ug/L | 1.0 | | U | | 5.1 |
| M-1S | Sodium | ug/L | 125,000 | 93,500 | | | 44 |
| M-1S | Thallium | ug/L | 3.0 | | U | | 3.1 |
| M-1S | Vanadium | ug/L | 3.4 | | B | U | 13 |
| M-1S | Zinc | ug/L | 21 | **76** | | | 2.2 |
| M-3S | Aluminum | ug/L | 197 | | B | U | 110 |
| M-3S | Antimony | ug/L | 2.0 | | U | | 46 |
| M-3S | Arsenic | ug/L | 15 | | B | U | 4.7 |
| M-3S | Barium | ug/L | 280 | 157 | B | | 1.0 |
| M-3S | Beryllium | ug/L | 1.0 | | U | | 0.60 |
| M-3S | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| M-3S | Calcium | ug/L | 132,500 | 79,200 | | | 11 |
| M-3S | Chromium (Total) | ug/L | 8.7 | | U | | 2.1 |
| M-3S | Cobalt | ug/L | 2,900 | | B | U | 4.8 |
| M-3S | Copper | ug/L | 2,500 | | U | | 3.6 |
| M-3S | Cyanide (Total) | ug/L | 10 | | U | | 1.7 |
| M-3S | Iron | ug/L | 4,475 | 2,820 | | | 6.8 |
| M-3S | Lead | ug/L | 3.0 | | U | | 1.1 |
| M-3S | Magnesium | ug/L | 47,000 | 27,900 | | | 64 |
| M-3S | Manganese | ug/L | 1,240 | 699 | | | 1.1 |
| M-3S | Mercury | ug/L | 0.20 | | U | | 0.10 |
| M-3S | Nickel | ug/L | 12 | | U | | 14 |
| M-3S | Potassium | ug/L | 21,200 | 14,900 | | | 2,150 |
| M-3S | Selenium | ug/L | 2.0 | | U | | 3.1 |
| M-3S | Silver | ug/L | 1.0 | | U | | 5.1 |
| M-3S | Sodium | ug/L | 42,500 | **60,900** | | | 44 |
| M-3S | Thallium | ug/L | 3.0 | | U | | 3.1 |
| M-3S | Vanadium | ug/L | 3.1 | | B | U | 8.1 |
| M-3S | Zinc | ug/L | 17 | 15 | B | | 2.2 |
| M-4D | Aluminum | ug/L | 1,140 | 379 | | | 21 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| Well | Analyte | Units | Highest Detection | CurrentEvent | | | |
|---|---|---|---|---|---|---|---|
| | | | | Result | LQ | DQ | Detect Limit |
| M-4D | Antimony | ug/L | 2.0 | | U | | 46 |
| M-4D | Arsenic | ug/L | 2.5 | | U | | 1.9 |
| M-4D | Barium | ug/L | 204 | 193 | B | | 1.0 |
| M-4D | Beryllium | ug/L | 1.0 | | U | | 0.60 |
| M-4D | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| M-4D | Calcium | ug/L | 99,100 | 90,200 | | | 11 |
| M-4D | Chromium (Total) | ug/L | 14 | | U | | 2.1 |
| M-4D | Cobalt | ug/L | 1.2 | | B | U | 5.8 |
| M-4D | Copper | ug/L | 4.3 | | U | | 3.6 |
| M-4D | Cyanide (Total) | ug/L | 10 | | B | U | 2.1 |
| M-4D | Iron | ug/L | 2,990 | 2,300 | | | 6.8 |
| M-4D | Lead | ug/L | 3.1 | | U | | 1.1 |
| M-4D | Magnesium | ug/L | 45,600 | 43,800 | | | 64 |
| M-4D | Manganese | ug/L | 56 | 38 | | | 1.1 |
| M-4D | Mercury | ug/L | 0.20 | | U | | 0.10 |
| M-4D | Nickel | ug/L | 12 | | U | | 14 |
| M-4D | Potassium | ug/L | 4,880 | 2,940 | B | | 2,150 |
| M-4D | Selenium | ug/L | 2.0 | | U | | 3.1 |
| M-4D | Silver | ug/L | 1.0 | | U | | 5.1 |
| M-4D | Sodium | ug/L | 78,300 | **85,900** | | | 44 |
| M-4D | Thallium | ug/L | 3.0 | | U | | 3.1 |
| M-4D | Vanadium | ug/L | 2.0 | | B | U | 6.3 |
| M-4D | Zinc | ug/L | 19 | | B | U | 12 |
| M-4S | Aluminum | ug/L | 1,120 | | B | U | 56 |
| M-4S | Antimony | ug/L | 2.0 | | U | | 46 |
| M-4S | Arsenic | ug/L | 6.8 | | B | U | 4.8 |
| M-4S | Barium | ug/L | 737 | 519 | | | 1.0 |
| M-4S | Beryllium | ug/L | 1.2 | | B | U | 0.88 |
| M-4S | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| M-4S | Calcium | ug/L | 397,000 | 350,000 | | | 11 |
| M-4S | Chromium (Total) | ug/L | 68 | | U | | 2.1 |
| M-4S | Cobalt | ug/L | 8.2 | | B | U | 6.8 |
| M-4S | Copper | ug/L | 11 | | U | | 3.6 |
| M-4S | Cyanide (Total) | ug/L | 10 | | B | U | 3.3 |
| M-4S | Iron | ug/L | 39,500 | 32,700 | | | 6.8 |
| M-4S | Lead | ug/L | 6.1 | | U | | 1.1 |
| M-4S | Magnesium | ug/L | 57,300 | 45,000 | | | 64 |
| M-4S | Manganese | ug/L | 582 | 388 | | | 1.1 |
| M-4S | Mercury | ug/L | 0.20 | | U | | 0.10 |
| M-4S | Nickel | ug/L | 75 | | U | | 14 |
| M-4S | Potassium | ug/L | 23,000 | 12,700 | | | 2,150 |
| M-4S | Selenium | ug/L | 2.0 | | U | | 3.1 |
| M-4S | Silver | ug/L | 1.0 | | U | | 5.1 |
| M-4S | Sodium | ug/L | 130,000 | 91,500 | | | 44 |
| M-4S | Thallium | ug/L | 3.0 | | U | | 3.1 |
| M-4S | Vanadium | ug/L | 3.9 | | B | U | 18 |
| M-4S | Zinc | ug/L | 30 | **65** | | | 2.2 |
| MW-06 | Aluminum | ug/L | 180 | | B | U | 41 |
| MW-06 | Antimony | ug/L | 2.1 | | U | | 46 |

**BOLD** = Exceedance

NA = Not Available

| Sampleid | Atype | DCNO | DPARMNAME | Conc | DVQ | LQ | RDL | Unit | SDG | Value |
|---|---|---|---|---|---|---|---|---|---|---|
| ACS-GWM04S-05 | MTL | 2 | Antimony | | | U | 45.7 | UG/L | 3 | U/ 45.7 |
| ACS-GWM04S-05 | MTL | 3 | Arsenic | | U | B | 4.8 | UG/L | 3 | B/U 4.8 |
| ACS-GWM04S-05 | MTL | 4 | Barium | 519 | | | 1 | UG/L | 3 | 519 / 1 |
| ACS-GWM04S-05 | MTL | 5 | Beryllium | | U | B | 0.88 | UG/L | 3 | B/U 0.88 |
| ACS-GWM04S-05 | MTL | 6 | Cadmium | | | U | 4.6 | UG/L | 3 | U/ 4.6 |
| ACS-GWM04S-05 | MTL | 7 | Calcium | 350000 | | | 10.5 | UG/L | 3 | 350000 / 10.5 |
| CS-GWM04S-05 | MTL | 8 | Chromium | | | U | 2.1 | UG/L | 3 | U/ 2.1 |
| S-GWM04S-05 | MTL | 9 | Cobalt | | U | B | 6.8 | UG/L | 3 | B/U 6.8 |
| ACS-GWM04S-05 | MTL | 10 | Copper | | | U | 3.6 | UG/L | 3 | U/ 3.6 |
| ACS-GWM04S-05 | MTL | 24 | Cyanide | | U | B | 3.3 | UG/L | 3 | B/U 3.3 |
| ACS-GWM04S-05 | MTL | 11 | Iron | 32700 | | | 6.8 | UG/L | 3 | 32700 / 6.8 |
| ACS-GWM04S-05 | MTL | 12 | Lead | | | U | 1.1 | UG/L | 3 | U/ 1.1 |
| ACS-GWM04S-05 | MTL | 13 | Magnesium | 45000 | | | 64.1 | UG/L | 3 | 45000 / 64.1 |
| ACS-GWM04S-05 | MTL | 14 | Manganese | 388 | | | 1.1 | UG/L | 3 | 388 / 1.1 |
| ACS-GWM04S-05 | MTL | 15 | Mercury | | | U | 0.1 | UG/L | 3 | U/ 0.1 |
| ACS-GWM04S-05 | MTL | 16 | Nickel | | | U | 14.2 | UG/L | 3 | U/ 14.2 |
| ACS-GWM04S-05 | MTL | 17 | Potassium | 12700 | | | 2150 | UG/L | 3 | 12700 / 2150 |
| ACS-GWM04S-05 | MTL | 18 | Selenium | | | U | 3.1 | UG/L | 3 | U/ 3.1 |
| ACS-GWM04S-05 | MTL | 19 | Silver | | | U | 5.1 | UG/L | 3 | U/ 5.1 |
| ACS-GWM04S-05 | MTL | 20 | Sodium | 91500 | | | 44.1 | UG/L | 3 | 91500 / 44.1 |
| ACS-GWM04S-05 | MTL | 21 | Thallium | | | U | 3.1 | UG/L | 3 | U/ 3.1 |
| ACS-GWM04S-05 | MTL | 22 | Vanadium | | U | B | 17.5 | UG/L | 3 | B/U 17.5 |
| ACS-GWM04S-05 | MTL | 23 | Zinc | 65 | | | 2.2 | UG/L | 3 | 65 / 2.2 |
| ACS-GWM04S-95 | MTL | 1 | Aluminum | | U | B | 98.6 | UG/L | 3 | B/U 98.6 |
| ACS-GWM04S-95 | MTL | 2 | Antimony | | | U | 45.7 | UG/L | 3 | U/ 45.7 |
| ACS-GWM04S-95 | MTL | 3 | Arsenic | | U | B | 2.8 | UG/L | 3 | B/U 2.8 |
| ACS-GWM04S-95 | MTL | 4 | Barium | 539 | | | 1 | UG/L | 3 | 539 / 1 |
| ACS-GWM04S-95 | MTL | 5 | Beryllium | | U | B | 0.66 | UG/L | 3 | B/U 0.66 |
| ACS-GWM04S-95 | MTL | 6 | Cadmium | | | U | 4.6 | UG/L | 3 | U/ 4.6 |
| ACS-GWM04S-95 | MTL | 7 | Calcium | 361000 | | | 10.5 | UG/L | 3 | 361000 / 10.5 |
| ACS-GWM04S-95 | MTL | 8 | Chromium | | | U | 2.1 | UG/L | 3 | U/ 2.1 |
| ACS-GWM04S-95 | MTL | 9 | Cobalt | | U | B | 5.8 | UG/L | 3 | B/U 5.8 |
| ACS-GWM04S-95 | MTL | 10 | Copper | | | U | 3.6 | UG/L | 3 | U/ 3.6 |
| ACS-GWM04S-95 | MTL | 24 | Cyanide | | | U | 1.7 | UG/L | 3 | U/ 1.7 |
| ACS-GWM04S-95 | MTL | 11 | Iron | 33800 | | | 6.8 | UG/L | 3 | 33800 / 6.8 |
| ACS-GWM04S-95 | MTL | 12 | Lead | | | U | 1.1 | UG/L | 3 | U/ 1.1 |
| ACS-GWM04S-95 | MTL | 13 | Magnesium | 45900 | | | 64.1 | UG/L | 3 | 45900 / 64.1 |
| ACS-GWM04S-95 | MTL | 14 | Manganese | 376 | | | 1.1 | UG/L | 3 | 376 / 1.1 |
| CS-GWM04S-95 | MTL | 15 | Mercury | | | U | 0.1 | UG/L | 3 | U/ 0.1 |
| CS-GWM04S-95 | MTL | 16 | Nickel | | | U | 14.2 | UG/L | 3 | U/ 14.2 |
| ACS-GWM04S-95 | MTL | 17 | Potassium | 12900 | | | 2150 | UG/L | 3 | 12900 / 2150 |
| ACS-GWM04S-95 | MTL | 18 | Selenium | | | U | 3.1 | UG/L | 3 | U/ 3.1 |
| ACS-GWM04S-95 | MTL | 19 | Silver | | | U | 5.1 | UG/L | 3 | U/ 5.1 |
| ACS-GWM04S-95 | MTL | 20 | Sodium | 97100 | | | 44.1 | UG/L | 3 | 97100 / 44.1 |
| ACS-GWM04S-95 | MTL | 21 | Thallium | | | U | 3.1 | UG/L | 3 | U/ 3.1 |
| ACS-GWM04S-95 | MTL | 22 | Vanadium | | U | B | 18.2 | UG/L | 3 | B/U 18.2 |
| ACS-GWM04S-95 | MTL | 23 | Zinc | 31.8 | | | 2.2 | UG/L | 3 | 31.8 / 2.2 |
| ACS-GWMW06-05 | MTL | 1 | Aluminum | | U | B | 41.1 | UG/L | 3 | B/U 41.1 |
| ACS-GWMW06-05 | MTL | 2 | Antimony | | | U | 45.7 | UG/L | 3 | U/ 45.7 |
| ACS-GWMW06-05 | MTL | 3 | Arsenic | | U | B | 8.6 | UG/L | 3 | B/U 8.6 |
| ACS-GWMW06-05 | MTL | 4 | Barium | 231 | | | 1 | UG/L | 3 | 231 / 1 |
| ACS-GWMW06-05 | MTL | 5 | Beryllium | | U | B | 0.86 | UG/L | 3 | B/U 0.86 |
| ACS-GWMW06-05 | MTL | 6 | Cadmium | | | U | 4.6 | UG/L | 3 | U/ 4.6 |
| ACS-GWMW06-05 | MTL | 7 | Calcium | 240000 | | | 10.5 | UG/L | 3 | 240000 / 10.5 |
| ACS-GWMW06-05 | MTL | 8 | Chromium | | U | B | 4.6 | UG/L | 3 | B/U 4.6 |
| ACS-GWMW06-05 | MTL | 9 | Cobalt | | | U | 3.8 | UG/L | 3 | U/ 3.8 |
| ACS-GWMW06-05 | MTL | 10 | Copper | | U | B | 11.3 | UG/L | 3 | B/U 11.3 |
| ACS-GWMW06-05 | MTL | 24 | Cyanide | 17 | | | 1.7 | UG/L | 3 | 17 / 1.7 |
| ACS-GWMW06-05 | MTL | 11 | Iron | 2990 | | | 6.8 | UG/L | 3 | 2990 / 6.8 |
| ACS-GWMW06-05 | MTL | 12 | Lead | | U | B | 2.3 | UG/L | 3 | B/U 2.3 |
| ACS-GWMW06-05 | MTL | 13 | Magnesium | 47000 | | | 64.1 | UG/L | 3 | 47000 / 64.1 |
| ACS-GWMW06-05 | MTL | 14 | Manganese | 803 | | | 1.1 | UG/L | 3 | 803 / 1.1 |
| ACS-GWMW06-05 | MTL | 15 | Mercury | | | U | 0.1 | UG/L | 3 | U/ 0.1 |
| ACS-GWMW06-05 | MTL | 16 | Nickel | | | U | 14.2 | UG/L | 3 | U/ 14.2 |
| ACS-GWMW06-05 | MTL | 17 | Potassium | 12500 | | | 2150 | UG/L | 3 | 12500 / 2150 |
| ACS-GWMW06-05 | MTL | 18 | Selenium | | | U | 3.1 | UG/L | 3 | U/ 3.1 |
| ACS-GWMW06-05 | MTL | 19 | Silver | | U | B | 5.7 | UG/L | 3 | B/U 5.7 |
| ACS-GWMW06-05 | MTL | 20 | Sodium | 601000 | | | 44.1 | UG/L | 3 | 601000 / 44.1 |
| ACS-GWMW06-05 | MTL | 21 | Thallium | | | U | 3.1 | UG/L | 3 | U/ 3.1 |
| ACS-GWMW06-05 | MTL | 22 | Vanadium | | U | B | 20.9 | UG/L | 3 | B/U 20.9 |
| CS-GWMW06-05 | MTL | 23 | Zinc | 206 | | | 2.2 | UG/L | 3 | 206 / 2.2 |
| ACS-GWMW07-05 | MTL | 1 | Aluminum | | U | B | 28.8 | UG/L | 1 | B/U 28.8 |
| ACS-GWMW07-05 | MTL | 2 | Antimony | | | U | 45.7 | UG/L | 1 | U/ 45.7 |
| ACS-GWMW07-05 | MTL | 3 | Arsenic | | U | B | 2.9 | UG/L | 1 | B/U 2.9 |

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| Well | Analyte | Units | Highest Detection | CurrentEvent | | | |
|---|---|---|---|---|---|---|---|
| | | | | Result | LQ | DQ | Detect Limit |
| MW-06 | Arsenic | ug/L | 72 | | B | U | 8.6 |
| MW-06 | Barium | ug/L | 369 | 231 | | | 1.0 |
| MW-06 | Beryllium | ug/L | 1.0 | | B | U | 0.86 |
| MW-06 | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| MW-06 | Calcium | ug/L | 216,000 | **240,000** | | | 11 |
| MW-06 | Chromium (Total) | ug/L | 33 | | B | U | 4.6 |
| MW-06 | Cobalt | ug/L | 3.6 | | U | | 3.8 |
| MW-06 | Copper | ug/L | 52 | | B | U | 11 |
| MW-06 | Cyanide (Total) | ug/L | 17 | 17 | | | 1.7 |
| MW-06 | Iron | ug/L | 16,500 | 2,990 | | | 6.8 |
| MW-06 | Lead | ug/L | 9.6 | | B | U | 2.3 |
| MW-06 | Magnesium | ug/L | 37,600 | **47,000** | | | 64 |
| MW-06 | Manganese | ug/L | 2,900 | 803 | | | 1.1 |
| MW-06 | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-06 | Nickel | ug/L | 39 | | U | | 14 |
| MW-06 | Potassium | ug/L | 27,400 | 12,500 | | | 2,150 |
| MW-06 | Selenium | ug/L | 2.0 | | U | | 3.1 |
| MW-06 | Silver | ug/L | 1.0 | | B | U | 5.7 |
| MW-06 | Sodium | ug/L | 449,000 | **601,000** | | | 44 |
| MW-06 | Thallium | ug/L | 3.6 | | U | | 3.1 |
| MW-06 | Vanadium | ug/L | 3.8 | | B | U | 21 |
| MW-06 | Zinc | ug/L | 27 | **206** | | | 2.2 |
| MW-07 | Aluminum | ug/L | 1,630 | | B | U | 29 |
| MW-07 | Antimony | ug/L | 2.2 | | U | | 46 |
| MW-07 | Arsenic | ug/L | 3.5 | | B | U | 2.9 |
| MW-07 | Barium | ug/L | 138 | 108 | B | | 1.0 |
| MW-07 | Beryllium | ug/L | 1.0 | | U | | 0.60 |
| MW-07 | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| MW-07 | Calcium | ug/L | 113,000 | 86,500 | | | 11 |
| MW-07 | Chromium (Total) | ug/L | 94 | | U | | 2.1 |
| MW-07 | Cobalt | ug/L | 2.4 | | U | | 3.8 |
| MW-07 | Copper | ug/L | 16 | | U | | 3.6 |
| MW-07 | Cyanide (Total) | ug/L | 10 | | U | | 0.85 |
| MW-07 | Iron | ug/L | 6,790 | 2,970 | | | 6.8 |
| MW-07 | Lead | ug/L | 5.8 | 1.1 | B | | 1.1 |
| MW-07 | Magnesium | ug/L | 30,000 | 28,500 | | | 64 |
| MW-07 | Manganese | ug/L | 219 | 150 | | | 1.1 |
| MW-07 | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-07 | Nickel | ug/L | 38 | | U | | 14 |
| MW-07 | Potassium | ug/L | 2,660 | | U | | 2,150 |
| MW-07 | Selenium | ug/L | 2.0 | | U | | 3.1 |
| MW-07 | Silver | ug/L | 1.0 | | U | | 5.1 |
| MW-07 | Sodium | ug/L | 20,200 | 19,500 | | | 44 |
| MW-07 | Thallium | ug/L | 3.0 | | U | | 3.1 |
| MW-07 | Vanadium | ug/L | 3.4 | | U | | 4.4 |
| MW-07 | Zinc | ug/L | 30 | 20 | | | 2.2 |
| MW-08 | Aluminum | ug/L | 839 | | B | U | 44 |
| MW-08 | Antimony | ug/L | 2.0 | | U | | 46 |
| MW-08 | Arsenic | ug/L | 6.1 | | B | U | 2.8 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| Well | Analyte | Units | Highest Detection | CurrentEvent | | | |
|---|---|---|---|---|---|---|---|
| | | | | Result | LQ | DQ | Detect Limit |
| MW-08 | Barium | ug/L | 128 | 102 | B | | 1.0 |
| MW-08 | Beryllium | ug/L | 1.0 | | U | | 0.60 |
| MW-08 | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| MW-08 | Calcium | ug/L | 58,300 | 50,100 | | | 11 |
| MW-08 | Chromium (Total) | ug/L | 37 | | U | | 2.1 |
| MW-08 | Cobalt | ug/L | 1.8 | | U | | 3.8 |
| MW-08 | Copper | ug/L | 7.3 | | U | | 3.6 |
| MW-08 | Cyanide (Total) | ug/L | 10 | | U | | 1.7 |
| MW-08 | Iron | ug/L | 3,420 | 1,140 | | | 6.8 |
| MW-08 | Lead | ug/L | 3.4 | | U | | 1.1 |
| MW-08 | Magnesium | ug/L | 18,600 | 16,700 | | | 64 |
| MW-08 | Manganese | ug/L | 173 | 90 | | | 1.1 |
| MW-08 | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-08 | Nickel | ug/L | 23 | | U | | 14 |
| MW-08 | Potassium | ug/L | 1,540 | | U | | 2,150 |
| MW-08 | Selenium | ug/L | 2.0 | | U | | 3.1 |
| MW-08 | Silver | ug/L | 1.0 | | U | | 5.1 |
| MW-08 | Sodium | ug/L | 13,500 | 12,100 | | | 44 |
| MW-08 | Thallium | ug/L | 3.0 | | U | | 3.1 |
| MW-08 | Vanadium | ug/L | 2.0 | | B | U | 4.4 |
| MW-08 | Zinc | ug/L | 34 | 17 | B | | 2.2 |
| MW-09R | Aluminum | ug/L | 2,580 | | B | U | 100 |
| MW-09R | Antimony | ug/L | 2.0 | | U | | 46 |
| MW-09R | Arsenic | ug/L | 6.8 | | U | | 1.9 |
| MW-09R | Barium | ug/L | 349 | 227 | | | 1.0 |
| MW-09R | Beryllium | ug/L | 1.0 | | U | | 0.60 |
| MW-09R | Cadmium | ug/L | 2.4 | | U | | 4.6 |
| MW-09R | Calcium | ug/L | 159,000 | 128,000 | | | 11 |
| MW-09R | Chromium (Total) | ug/L | 45 | | B | U | 4.7 |
| MW-09R | Cobalt | ug/L | 9.3 | | U | | 3.8 |
| MW-09R | Copper | ug/L | 24 | | B | U | 6.2 |
| MW-09R | Cyanide (Total) | ug/L | 10 | | B | U | 1.5 |
| MW-09R | Iron | ug/L | 20,700 | 13,500 | | | 6.8 |
| MW-09R | Lead | ug/L | 6.7 | | U | | 1.1 |
| MW-09R | Magnesium | ug/L | 33,000 | 31,300 | | | 64 |
| MW-09R | Manganese | ug/L | 249 | 201 | E | J | 1.1 |
| MW-09R | Mercury | ug/L | 0.67 | | U | | 0.10 |
| MW-09R | Nickel | ug/L | 38 | | U | | 14 |
| MW-09R | Potassium | ug/L | 11,150 | 4,690 | B | | 2,150 |
| MW-09R | Selenium | ug/L | 2.0 | | U | | 3.1 |
| MW-09R | Silver | ug/L | 1.0 | | U | | 5.1 |
| MW-09R | Sodium | ug/L | 110,000 | 68,400 | | | 44 |
| MW-09R | Thallium | ug/L | 3.0 | | U | | 3.1 |
| MW-09R | Vanadium | ug/L | 9.6 | | B | U | 12 |
| MW-09R | Zinc | ug/L | 41 | | | U | 45 |
| MW-10C | Aluminum | ug/L | 6,990 | 287 | | | 21 |
| MW-10C | Antimony | ug/L | 2.8 | | U | | 46 |
| MW-10C | Arsenic | ug/L | 10 | | U | | 1.9 |
| MW-10C | Barium | ug/L | 372 | 293 | | | 1.0 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 0.60 |
| MW-10C | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| MW-10C | Calcium | ug/L | 141,000 | 98,800 | | | 11 |
| MW-10C | Chromium (Total) | ug/L | 360 | 6.9 | B | | 2.1 |
| MW-10C | Cobalt | ug/L | 14 | | B | U | 4.2 |
| MW-10C | Copper | ug/L | 46 | **62** | | | 3.6 |
| MW-10C | Cyanide (Total) | ug/L | 10 | | B | U | 2.0 |
| MW-10C | Iron | ug/L | 21,300 | 7,580 | | | 6.8 |
| MW-10C | Lead | ug/L | 19 | | U | | 1.1 |
| MW-10C | Magnesium | ug/L | 65,900 | 49,600 | | | 64 |
| MW-10C | Manganese | ug/L | 447 | 55 | | | 1.1 |
| MW-10C | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-10C | Nickel | ug/L | 257 | | U | | 14 |
| MW-10C | Potassium | ug/L | 7,460 | 2,620 | B | | 2,150 |
| MW-10C | Selenium | ug/L | 2.0 | | U | | 3.1 |
| MW-10C | Silver | ug/L | 1.0 | | U | | 5.1 |
| MW-10C | Sodium | ug/L | 193,000 | 179,000 | | | 44 |
| MW-10C | Thallium | ug/L | 3.0 | | U | | 3.1 |
| MW-10C | Vanadium | ug/L | 15 | 6.4 | B | | 4.4 |
| MW-10C | Zinc | ug/L | 119 | | | U | 40 |
| MW-11 | Aluminum | ug/L | 1,470 | 437 | | | 21 |
| MW-11 | Antimony | ug/L | 2.0 | | U | | 46 |
| MW-11 | Arsenic | ug/L | 2.0 | | U | | 1.9 |
| MW-11 | Barium | ug/L | 27 | 16 | B | | 1.0 |
| MW-11 | Beryllium | ug/L | 1.0 | | U | | 0.60 |
| MW-11 | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| MW-11 | Calcium | ug/L | 44,300 | 31,600 | | | 11 |
| MW-11 | Chromium (Total) | ug/L | 12 | | U | | 2.1 |
| MW-11 | Cobalt | ug/L | 2.2 | | U | | 3.8 |
| MW-11 | Copper | ug/L | 11 | | B | U | 11 |
| MW-11 | Cyanide (Total) | ug/L | 10 | | U | | 1.7 |
| MW-11 | Iron | ug/L | 2,910 | 1,840 | | | 6.8 |
| MW-11 | Lead | ug/L | 7.9 | | B | U | 1.4 |
| MW-11 | Magnesium | ug/L | 18,200 | 13,200 | | | 64 |
| MW-11 | Manganese | ug/L | 525 | 109 | | | 1.1 |
| MW-11 | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-11 | Nickel | ug/L | 8.8 | | U | | 14 |
| MW-11 | Potassium | ug/L | 2,450 | | U | | 2,150 |
| MW-11 | Selenium | ug/L | 2.0 | | U | | 3.1 |
| MW-11 | Silver | ug/L | 1.0 | | U | | 5.1 |
| MW-11 | Sodium | ug/L | 4,890 | **4,940** | B | | 44 |
| MW-11 | Thallium | ug/L | 3.0 | | U | | 3.1 |
| MW-11 | Vanadium | ug/L | 6.5 | | B | U | 10 |
| MW-11 | Zinc | ug/L | 91 | 40 | | | 2.2 |
| MW-12 | Aluminum | ug/L | 2,020 | 668 | | | 21 |
| MW-12 | Antimony | ug/L | 2.0 | | U | | 46 |
| MW-12 | Arsenic | ug/L | 7.8 | | U | | 1.9 |
| MW-12 | Barium | ug/L | 83 | 41 | B | | 1.0 |
| MW-12 | Beryllium | ug/L | 1.0 | | U | | 0.60 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 4.6 |
| MW-12 | Calcium | ug/L | 55,700 | 42,600 | | | 11 |
| MW-12 | Chromium (Total) | ug/L | 12 | | B | U | 5.5 |
| MW-12 | Cobalt | ug/L | 2.4 | | U | | 3.8 |
| MW-12 | Copper | ug/L | 17 | | B | U | 3.7 |
| MW-12 | Cyanide (Total) | ug/L | 10 | | U | | 0.85 |
| MW-12 | Iron | ug/L | 30,100 | 12,100 | | | 6.8 |
| MW-12 | Lead | ug/L | 12 | | B | U | 2.6 |
| MW-12 | Magnesium | ug/L | 18,850 | 18,200 | | | 64 |
| MW-12 | Manganese | ug/L | 1,340 | 878 | E | J | 1.1 |
| MW-12 | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-12 | Nickel | ug/L | 13 | | U | | 14 |
| MW-12 | Potassium | ug/L | 4,780 | | U | | 2,150 |
| MW-12 | Selenium | ug/L | 2.0 | | U | | 3.1 |
| MW-12 | Silver | ug/L | 1.0 | | U | | 5.1 |
| MW-12 | Sodium | ug/L | 20,000 | 6,310 | | | 44 |
| MW-12 | Thallium | ug/L | 3.0 | | U | | 3.1 |
| MW-12 | Vanadium | ug/L | 24 | | B | U | 16 |
| MW-12 | Zinc | ug/L | 39 | | B | U | 15 |
| MW-13 | Aluminum | ug/L | 427 | | B | U | 73 |
| MW-13 | Antimony | ug/L | 2.0 | | U | | 46 |
| MW-13 | Arsenic | ug/L | 2.0 | | U | | 1.9 |
| MW-13 | Barium | ug/L | 69 | 66 | B | | 1.0 |
| MW-13 | Beryllium | ug/L | 1.0 | | B | U | 0.65 |
| MW-13 | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| MW-13 | Calcium | ug/L | 130,000 | **139,000** | | | 11 |
| MW-13 | Chromium (Total) | ug/L | 4.2 | | U | | 2.1 |
| MW-13 | Cobalt | ug/L | 1.9 | | U | | 3.8 |
| MW-13 | Copper | ug/L | 5.9 | | U | | 3.6 |
| MW-13 | Cyanide (Total) | ug/L | 10 | | U | | 0.85 |
| MW-13 | Iron | ug/L | 6,090 | 5,760 | | | 6.8 |
| MW-13 | Lead | ug/L | 2.3 | | U | | 1.1 |
| MW-13 | Magnesium | ug/L | 37,000 | **41,100** | | | 64 |
| MW-13 | Manganese | ug/L | 674 | 633 | E | J | 1.1 |
| MW-13 | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-13 | Nickel | ug/L | 4.3 | | U | | 14 |
| MW-13 | Potassium | ug/L | 2,940 | | U | | 2,150 |
| MW-13 | Selenium | ug/L | 2.0 | | U | | 3.1 |
| MW-13 | Silver | ug/L | 1.0 | | U | | 5.1 |
| MW-13 | Sodium | ug/L | 35,700 | 22,900 | | | 44 |
| MW-13 | Thallium | ug/L | 3.0 | | U | | 3.1 |
| MW-13 | Vanadium | ug/L | 1.8 | | B | U | 13 |
| MW-13 | Zinc | ug/L | 17 | | B | U | 14 |
| MW-14 | Aluminum | ug/L | 13,800 | 9,550 | | | 21 |
| MW-14 | Antimony | ug/L | 2.3 | | U | | 46 |
| MW-14 | Arsenic | ug/L | 11 | 11 | | | 1.9 |
| MW-14 | Barium | ug/L | 122 | 76 | B | | 1.0 |
| MW-14 | Beryllium | ug/L | 1.0 | | B | U | 0.87 |
| MW-14 | Cadmium | ug/L | 1.0 | | U | | 4.6 |

**BOLD** = Exceedance

NA = Not Available

## Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | 72,300 | | | 11 |
| MW-14 | Chromium (Total) | ug/L | 36 | **54** | | | 2.1 |
| MW-14 | Cobalt | ug/L | 12 | | B | U | 12 |
| MW-14 | Copper | ug/L | 32 | | B | U | 20 |
| MW-14 | Cyanide (Total) | ug/L | 10 | | B | U | 4.9 |
| MW-14 | Iron | ug/L | 33,000 | 24,100 | | | 6.8 |
| MW-14 | Lead | ug/L | 20 | | | U | 10 |
| MW-14 | Magnesium | ug/L | 26,200 | 20,600 | | | 64 |
| MW-14 | Manganese | ug/L | 831 | 343 | | | 1.1 |
| MW-14 | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-14 | Nickel | ug/L | 29 | **30** | B | | 14 |
| MW-14 | Potassium | ug/L | 12,500 | 5,420 | | | 2,150 |
| MW-14 | Selenium | ug/L | 2.3 | | U | | 3.1 |
| MW-14 | Silver | ug/L | 1.0 | | U | | 5.1 |
| MW-14 | Sodium | ug/L | 37,900 | 7,160 | | | 44 |
| MW-14 | Thallium | ug/L | 3.0 | | U | | 3.1 |
| MW-14 | Vanadium | ug/L | 34 | 34 | B | | 4.4 |
| MW-14 | Zinc | ug/L | 63 | | | U | 38 |
| MW-15 | Aluminum | ug/L | 487 | | | U | 234 |
| MW-15 | Antimony | ug/L | 2.0 | | U | | 46 |
| MW-15 | Arsenic | ug/L | 59 | 56 | | | 1.9 |
| MW-15 | Barium | ug/L | 1,470 | 1,090 | | | 1.0 |
| MW-15 | Beryllium | ug/L | 1.0 | | U | | 0.60 |
| MW-15 | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| MW-15 | Calcium | ug/L | 94,100 | 61,100 | | | 11 |
| MW-15 | Chromium (Total) | ug/L | 13 | | B | U | 9.2 |
| MW-15 | Cobalt | ug/L | 5.1 | **9.1** | B | | 3.8 |
| MW-15 | Copper | ug/L | 26 | | B | U | 5.3 |
| MW-15 | Cyanide (Total) | ug/L | 10 | 2.3 | B | | 0.85 |
| MW-15 | Iron | ug/L | 7,900 | 6,530 | | | 6.8 |
| MW-15 | Lead | ug/L | 2.4 | | U | | 1.1 |
| MW-15 | Magnesium | ug/L | 93,100 | 67,000 | | | 64 |
| MW-15 | Manganese | ug/L | 534 | 140 | | | 1.1 |
| MW-15 | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-15 | Nickel | ug/L | 24 | | U | | 14 |
| MW-15 | Potassium | ug/L | 122,000 | 74,200 | | | 2,150 |
| MW-15 | Selenium | ug/L | 2.0 | | U | | 3.1 |
| MW-15 | Silver | ug/L | 1.0 | | U | | 5.1 |
| MW-15 | Sodium | ug/L | 459,000 | **474,000** | | | 44 |
| MW-15 | Thallium | ug/L | 3.1 | | U | | 3.1 |
| MW-15 | Vanadium | ug/L | 1.5 | | U | | 4.4 |
| MW-15 | Zinc | ug/L | 44 | 22 | | | 2.2 |
| MW-18 | Aluminum | ug/L | 56 | | B | U | 32 |
| MW-18 | Antimony | ug/L | 2.0 | | U | | 46 |
| MW-18 | Arsenic | ug/L | 2.4 | | U | | 1.9 |
| MW-18 | Barium | ug/L | 35 | 23 | B | | 1.0 |
| MW-18 | Beryllium | ug/L | 1.0 | | U | | 0.60 |
| MW-18 | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| MW-18 | Calcium | ug/L | 88,500 | 53,200 | | | 11 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | 19 | | | 2.1 |
| MW-18 | Cobalt | ug/L | 1.1 | | U | | 3.8 |
| MW-18 | Copper | ug/L | 13 | | B | U | 7.9 |
| MW-18 | Cyanide (Total) | ug/L | 10 | 4.8 | B | | 0.85 |
| MW-18 | Iron | ug/L | 288 | | | U | 233 |
| MW-18 | Lead | ug/L | 14 | | U | | 1.1 |
| MW-18 | Magnesium | ug/L | 28,500 | 16,600 | | | 64 |
| MW-18 | Manganese | ug/L | 609 | 63 | | | 1.1 |
| MW-18 | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-18 | Nickel | ug/L | 6.2 | | U | | 14 |
| MW-18 | Potassium | ug/L | 3,850 | 2,980 | B | | 2,150 |
| MW-18 | Selenium | ug/L | 3.9 | | B | U | 3.2 |
| MW-18 | Silver | ug/L | 1.0 | | U | | 5.1 |
| MW-18 | Sodium | ug/L | 67,700 | 55,800 | | | 44 |
| MW-18 | Thallium | ug/L | 3.0 | | U | | 3.1 |
| MW-18 | Vanadium | ug/L | 1.5 | | U | | 4.4 |
| MW-18 | Zinc | ug/L | 67 | 31 | | | 2.2 |
| MW-19 | Aluminum | ug/L | 421 | | U | | 21 |
| MW-19 | Antimony | ug/L | 2.0 | | U | | 46 |
| MW-19 | Arsenic | ug/L | 27 | 21 | | | 1.9 |
| MW-19 | Barium | ug/L | 673 | 615 | | | 1.0 |
| MW-19 | Beryllium | ug/L | 1.0 | | U | | 0.60 |
| MW-19 | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| MW-19 | Calcium | ug/L | 85,300 | 72,900 | | | 11 |
| MW-19 | Chromium (Total) | ug/L | 10 | | U | | 2.1 |
| MW-19 | Cobalt | ug/L | 2.3 | | U | | 3.8 |
| MW-19 | Copper | ug/L | 184 | | U | | 3.6 |
| MW-19 | Cyanide (Total) | ug/L | 10 | 2.8 | B | | 0.85 |
| MW-19 | Iron | ug/L | 4,810 | 4,160 | | | 6.8 |
| MW-19 | Lead | ug/L | 3.7 | | U | | 1.1 |
| MW-19 | Magnesium | ug/L | 67,700 | 53,200 | | | 64 |
| MW-19 | Manganese | ug/L | 268 | 196 | | | 1.1 |
| MW-19 | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-19 | Nickel | ug/L | 19 | 15 | B | | 14 |
| MW-19 | Potassium | ug/L | 114,000 | 51,600 | | | 2,150 |
| MW-19 | Selenium | ug/L | 2.0 | | U | | 3.1 |
| MW-19 | Silver | ug/L | 1.0 | | U | | 5.1 |
| MW-19 | Sodium | ug/L | 975,000 | 805,000 | | | 44 |
| MW-19 | Thallium | ug/L | 4.7 | | U | | 3.1 |
| MW-19 | Vanadium | ug/L | 1.6 | | U | | 4.4 |
| MW-19 | Zinc | ug/L | 16 | | B | U | 9.5 |
| MW-22 | Aluminum | ug/L | 579 | **647** | | | 21 |
| MW-22 | Antimony | ug/L | 3.8 | | U | | 46 |
| MW-22 | Arsenic | ug/L | 3.3 | | B | U | 4.0 |
| MW-22 | Barium | ug/L | 628 | 291 | | | 1.0 |
| MW-22 | Beryllium | ug/L | 1.0 | | U | | 0.60 |
| MW-22 | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| MW-22 | Calcium | ug/L | 254,000 | 174,000 | | | 11 |
| MW-22 | Chromium (Total) | ug/L | 20 | **73** | | | 2.1 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | **25** | B | | 3.8 |
| MW-22 | Copper | ug/L | 125 | | B | U | 18 |
| MW-22 | Cyanide (Total) | ug/L | 10 | | U | | 0.87 |
| MW-22 | Iron | ug/L | 1,340 | **4,170** | | | 6.8 |
| MW-22 | Lead | ug/L | 6.8 | **17** | | | 1.1 |
| MW-22 | Magnesium | ug/L | 41,500 | **52,400** | | | 64 |
| MW-22 | Manganese | ug/L | 49 | **118** | | | 1.1 |
| MW-22 | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-22 | Nickel | ug/L | 18 | **93** | | | 14 |
| MW-22 | Potassium | ug/L | 93,100 | 7,680 | | | 2,150 |
| MW-22 | Selenium | ug/L | 2.0 | | U | | 3.1 |
| MW-22 | Silver | ug/L | 1.0 | | U | | 5.1 |
| MW-22 | Sodium | ug/L | 338,000 | 128,000 | | | 44 |
| MW-22 | Thallium | ug/L | 3.0 | | U | | 3.1 |
| MW-22 | Vanadium | ug/L | 1.0 | **8.9** | B | | 4.4 |
| MW-22 | Zinc | ug/L | 21 | **62** | | | 2.2 |
| MW-23 | Aluminum | ug/L | 2,480 | | B | U | 71 |
| MW-23 | Antimony | ug/L | 2.0 | | U | | 46 |
| MW-23 | Arsenic | ug/L | 5.3 | | U | | 1.9 |
| MW-23 | Barium | ug/L | 140 | 109 | B | | 1.0 |
| MW-23 | Beryllium | ug/L | 1.0 | | U | | 0.60 |
| MW-23 | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| MW-23 | Calcium | ug/L | 86,500 | 67,100 | | | 11 |
| MW-23 | Chromium (Total) | ug/L | 19 | | B | U | 4.6 |
| MW-23 | Cobalt | ug/L | 4.7 | | U | | 3.8 |
| MW-23 | Copper | ug/L | 20 | | B | U | 5.1 |
| MW-23 | Cyanide (Total) | ug/L | 10 | | U | | 0.85 |
| MW-23 | Iron | ug/L | 11,700 | 7,570 | | | 6.8 |
| MW-23 | Lead | ug/L | 7.7 | | U | | 1.1 |
| MW-23 | Magnesium | ug/L | 23,800 | 19,300 | | | 64 |
| MW-23 | Manganese | ug/L | 377 | 228 | E | J | 1.1 |
| MW-23 | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-23 | Nickel | ug/L | 20 | | U | | 14 |
| MW-23 | Potassium | ug/L | 4,350 | | U | | 2,150 |
| MW-23 | Selenium | ug/L | 2.0 | | U | | 3.1 |
| MW-23 | Silver | ug/L | 1.0 | | U | | 5.1 |
| MW-23 | Sodium | ug/L | 75,300 | 65,500 | | | 44 |
| MW-23 | Thallium | ug/L | 3.0 | | B | U | 3.4 |
| MW-23 | Vanadium | ug/L | 7.1 | | B | U | 11 |
| MW-23 | Zinc | ug/L | 33 | | B | U | 15 |
| MW-24 | Aluminum | ug/L | 14,800 | 1,490 | | | 21 |
| MW-24 | Antimony | ug/L | 2.0 | | U | | 46 |
| MW-24 | Arsenic | ug/L | 10 | | U | | 1.9 |
| MW-24 | Barium | ug/L | 386 | 208 | | | 1.0 |
| MW-24 | Beryllium | ug/L | 1.6 | | B | U | 0.72 |
| MW-24 | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| MW-24 | Calcium | ug/L | 170,000 | 131,000 | | | 11 |
| MW-24 | Chromium (Total) | ug/L | 143 | 20 | | | 2.1 |
| MW-24 | Cobalt | ug/L | 14 | | U | | 3.8 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| Well | Analyte | Units | Highest Detection | CurrentEvent | | | |
|---|---|---|---|---|---|---|---|
| | | | | Result | LQ | DQ | Detect Limit |
| MW-24 | Copper | ug/L | 94 | | B | U | 15 |
| MW-24 | Cyanide (Total) | ug/L | 10 | | U | | 0.85 |
| MW-24 | Iron | ug/L | 51,500 | 11,200 | | | 6.8 |
| MW-24 | Lead | ug/L | 25 | | U | | 1.1 |
| MW-24 | Magnesium | ug/L | 51,800 | 34,100 | | | 64 |
| MW-24 | Manganese | ug/L | 696 | 294 | E | J | 1.1 |
| MW-24 | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-24 | Nickel | ug/L | 96 | | U | | 14 |
| MW-24 | Potassium | ug/L | 9,750 | | U | | 2,150 |
| MW-24 | Selenium | ug/L | 2.6 | | U | | 3.1 |
| MW-24 | Silver | ug/L | 1.0 | | U | | 5.1 |
| MW-24 | Sodium | ug/L | 95,600 | 88,200 | | | 44 |
| MW-24 | Thallium | ug/L | 4.0 | | U | | 3.1 |
| MW-24 | Vanadium | ug/L | 30 | | B | U | 17 |
| MW-24 | Zinc | ug/L | 97 | | | U | 24 |
| MW-28 | Aluminum | ug/L | 2,850 | | B | U | 53 |
| MW-28 | Antimony | ug/L | 2.0 | | U | | 46 |
| MW-28 | Arsenic | ug/L | 4.9 | | U | | 1.9 |
| MW-28 | Barium | ug/L | 131 | 105 | B | | 1.0 |
| MW-28 | Beryllium | ug/L | 1.1 | | U | | 0.60 |
| MW-28 | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| MW-28 | Calcium | ug/L | 96,800 | 78,600 | | | 11 |
| MW-28 | Chromium (Total) | ug/L | 108 | | B | U | 7.5 |
| MW-28 | Cobalt | ug/L | 6.4 | | U | | 3.8 |
| MW-28 | Copper | ug/L | 55 | | B | U | 4.3 |
| MW-28 | Cyanide (Total) | ug/L | 10 | | U | | 0.85 |
| MW-28 | Iron | ug/L | 7,090 | 2,040 | | | 6.8 |
| MW-28 | Lead | ug/L | 12 | | U | | 1.1 |
| MW-28 | Magnesium | ug/L | 41,400 | 38,900 | | | 64 |
| MW-28 | Manganese | ug/L | 169 | 45 | | | 1.1 |
| MW-28 | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-28 | Nickel | ug/L | 74 | | U | | 14 |
| MW-28 | Potassium | ug/L | 3,580 | | U | | 2,150 |
| MW-28 | Selenium | ug/L | 2.0 | | U | | 3.1 |
| MW-28 | Silver | ug/L | 1.0 | | U | | 5.1 |
| MW-28 | Sodium | ug/L | 16,400 | 16,200 | | | 44 |
| MW-28 | Thallium | ug/L | 3.0 | | U | | 3.1 |
| MW-28 | Vanadium | ug/L | 7.1 | | U | | 4.4 |
| MW-28 | Zinc | ug/L | 49 | 19 | B | | 2.2 |
| MW-29 | Aluminum | ug/L | 635 | | B | U | 67 |
| MW-29 | Antimony | ug/L | 2.0 | | U | | 46 |
| MW-29 | Arsenic | ug/L | 2.9 | | U | | 1.9 |
| MW-29 | Barium | ug/L | 140 | 108 | B | | 1.0 |
| MW-29 | Beryllium | ug/L | 1.0 | | U | | 0.60 |
| MW-29 | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| MW-29 | Calcium | ug/L | 115,000 | 88,500 | | | 11 |
| MW-29 | Chromium (Total) | ug/L | 24 | | B | U | 3.9 |
| MW-29 | Cobalt | ug/L | 2.6 | | U | | 3.8 |
| MW-29 | Copper | ug/L | 15 | | B | U | 7.0 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 1.7 |
| MW-29 | Iron | ug/L | 7,410 | 3,350 | | | 6.8 |
| MW-29 | Lead | ug/L | 2.4 | | U | | 1.1 |
| MW-29 | Magnesium | ug/L | 55,700 | 38,300 | | | 64 |
| MW-29 | Manganese | ug/L | 218 | 56 | | | 1.1 |
| MW-29 | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-29 | Nickel | ug/L | 31 | | U | | 14 |
| MW-29 | Potassium | ug/L | 7,040 | | U | | 2,150 |
| MW-29 | Selenium | ug/L | 2.0 | | U | | 3.1 |
| MW-29 | Silver | ug/L | 1.0 | | U | | 5.1 |
| MW-29 | Sodium | ug/L | 76,100 | 73,900 | | | 44 |
| MW-29 | Thallium | ug/L | 3.0 | | U | | 3.1 |
| MW-29 | Vanadium | ug/L | 1.8 | | B | U | 14 |
| MW-29 | Zinc | ug/L | 22 | **49** | | | 2.2 |
| MW-30 | Aluminum | ug/L | 1,830 | | U | | 21 |
| MW-30 | Antimony | ug/L | 2.0 | | U | | 46 |
| MW-30 | Arsenic | ug/L | 4.3 | | U | | 1.9 |
| MW-30 | Barium | ug/L | 210 | **225** | | | 1.0 |
| MW-30 | Beryllium | ug/L | 1.0 | | U | | 0.60 |
| MW-30 | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| MW-30 | Calcium | ug/L | 170,000 | 103,000 | | | 11 |
| MW-30 | Chromium (Total) | ug/L | 50 | | U | | 2.1 |
| MW-30 | Cobalt | ug/L | 15 | 5.5 | B | | 3.8 |
| MW-30 | Copper | ug/L | 40 | | U | | 3.6 |
| MW-30 | Cyanide (Total) | ug/L | 10 | | U | | 0.85 |
| MW-30 | Iron | ug/L | 8,590 | 4,440 | | | 6.8 |
| MW-30 | Lead | ug/L | 8.0 | | U | | 1.1 |
| MW-30 | Magnesium | ug/L | 51,000 | **53,900** | | | 64 |
| MW-30 | Manganese | ug/L | 240 | 41 | | | 1.1 |
| MW-30 | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-30 | Nickel | ug/L | 59 | | U | | 14 |
| MW-30 | Potassium | ug/L | 4,980 | | U | | 2,150 |
| MW-30 | Selenium | ug/L | 2.0 | | U | | 3.1 |
| MW-30 | Silver | ug/L | 1.0 | | U | | 5.1 |
| MW-30 | Sodium | ug/L | 40,900 | 37,700 | | | 44 |
| MW-30 | Thallium | ug/L | 3.0 | | U | | 3.1 |
| MW-30 | Vanadium | ug/L | 3.8 | | U | | 4.4 |
| MW-30 | Zinc | ug/L | 40 | 27 | | | 2.2 |
| MW-31 | Aluminum | ug/L | 1,890 | | B | U | 55 |
| MW-31 | Antimony | ug/L | 2.7 | | U | | 46 |
| MW-31 | Arsenic | ug/L | 7.5 | | U | | 1.9 |
| MW-31 | Barium | ug/L | 246 | 148 | B | | 1.0 |
| MW-31 | Beryllium | ug/L | 1.0 | | U | | 0.60 |
| MW-31 | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| MW-31 | Calcium | ug/L | 96,400 | 55,500 | | | 11 |
| MW-31 | Chromium (Total) | ug/L | 89 | | U | | 2.1 |
| MW-31 | Cobalt | ug/L | 4.3 | | U | | 3.8 |
| MW-31 | Copper | ug/L | 52 | | B | U | 18 |
| MW-31 | Cyanide (Total) | ug/L | 10 | | U | | 1.7 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | B | U | 62 |
| MW-31 | Lead | ug/L | 8.9 | | U | | 1.1 |
| MW-31 | Magnesium | ug/L | 35,100 | 20,700 | | | 64 |
| MW-31 | Manganese | ug/L | 174 | 55 | | | 1.1 |
| MW-31 | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-31 | Nickel | ug/L | 66 | 20 | B | | 14 |
| MW-31 | Potassium | ug/L | 3,870 | 2,780 | B | | 2,150 |
| MW-31 | Selenium | ug/L | 2.0 | | U | | 3.1 |
| MW-31 | Silver | ug/L | 1.0 | | U | | 5.1 |
| MW-31 | Sodium | ug/L | 19,800 | 14,500 | | | 44 |
| MW-31 | Thallium | ug/L | 3.0 | | U | | 3.1 |
| MW-31 | Vanadium | ug/L | 4.3 | | U | | 4.4 |
| MW-31 | Zinc | ug/L | 38 | **58** | | | 2.2 |
| MW-32 | Aluminum | ug/L | 10,500 | | B | U | 79 |
| MW-32 | Antimony | ug/L | 2.0 | | U | | 46 |
| MW-32 | Arsenic | ug/L | 4.9 | | U | | 1.9 |
| MW-32 | Barium | ug/L | 258 | 86 | B | | 1.0 |
| MW-32 | Beryllium | ug/L | 1.5 | | U | | 0.60 |
| MW-32 | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| MW-32 | Calcium | ug/L | 77,700 | 44,400 | | | 11 |
| MW-32 | Chromium (Total) | ug/L | 149 | | U | | 2.1 |
| MW-32 | Cobalt | ug/L | 3.2 | | U | | 3.8 |
| MW-32 | Copper | ug/L | 30 | | B | U | 5.5 |
| MW-32 | Cyanide (Total) | ug/L | 10 | | U | | 1.7 |
| MW-32 | Iron | ug/L | 14,600 | 619 | | | 6.8 |
| MW-32 | Lead | ug/L | 11 | | B | U | 2.0 |
| MW-32 | Magnesium | ug/L | 48,000 | 20,900 | | | 64 |
| MW-32 | Manganese | ug/L | 219 | 120 | | | 1.1 |
| MW-32 | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-32 | Nickel | ug/L | 96 | | U | | 14 |
| MW-32 | Potassium | ug/L | 5,560 | | U | | 2,150 |
| MW-32 | Selenium | ug/L | 2.0 | | U | | 3.1 |
| MW-32 | Silver | ug/L | 1.0 | | U | | 5.1 |
| MW-32 | Sodium | ug/L | 55,000 | 38,700 | | | 44 |
| MW-32 | Thallium | ug/L | 3.0 | | U | | 3.1 |
| MW-32 | Vanadium | ug/L | 5.6 | | U | | 4.4 |
| MW-32 | Zinc | ug/L | 47 | 30 | | | 2.2 |
| MW-33 | Aluminum | ug/L | 195 | | B | U | 60 |
| MW-33 | Antimony | ug/L | 2.0 | | U | | 46 |
| MW-33 | Arsenic | ug/L | 23 | | | U | 18 |
| MW-33 | Barium | ug/L | 1,340 | 1,140 | | | 1.0 |
| MW-33 | Beryllium | ug/L | 1.0 | | B | U | 1.2 |
| MW-33 | Cadmium | ug/L | 1.4 | | U | | 4.6 |
| MW-33 | Calcium | ug/L | 313,000 | 285,000 | | | 11 |
| MW-33 | Chromium (Total) | ug/L | 15 | | B | U | 2.5 |
| MW-33 | Cobalt | ug/L | 6.1 | **8.8** | B | | 3.8 |
| MW-33 | Copper | ug/L | 15 | | B | U | 7.2 |
| MW-33 | Cyanide (Total) | ug/L | 10 | | B | U | 0.96 |
| MW-33 | Iron | ug/L | 28,500 | 26,900 | | | 6.8 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | U | | 1.1 |
| MW-33 | Magnesium | ug/L | 70,500 | 63,200 | | | 64 |
| MW-33 | Manganese | ug/L | 686 | 95 | E | J | 1.1 |
| MW-33 | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-33 | Nickel | ug/L | 48 | | U | | 14 |
| MW-33 | Potassium | ug/L | 15,800 | 8,720 | | | 2,150 |
| MW-33 | Selenium | ug/L | 2.0 | | U | | 3.1 |
| MW-33 | Silver | ug/L | 1.0 | | U | | 5.1 |
| MW-33 | Sodium | ug/L | 195,000 | 175,000 | | | 44 |
| MW-33 | Thallium | ug/L | 3.8 | | B | U | 6.8 |
| MW-33 | Vanadium | ug/L | 1.8 | | B | U | 19 |
| MW-33 | Zinc | ug/L | 27 | | | U | 25 |
| MW-34 | Aluminum | ug/L | 1,140 | | B | U | 42 |
| MW-34 | Antimony | ug/L | 2.1 | | U | | 46 |
| MW-34 | Arsenic | ug/L | 2.8 | | U | | 1.9 |
| MW-34 | Barium | ug/L | 176 | 113 | B | | 1.0 |
| MW-34 | Beryllium | ug/L | 1.0 | | U | | 0.60 |
| MW-34 | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| MW-34 | Calcium | ug/L | 85,700 | 55,400 | | | 11 |
| MW-34 | Chromium (Total) | ug/L | 38 | | U | | 2.1 |
| MW-34 | Cobalt | ug/L | 2.4 | | U | | 3.8 |
| MW-34 | Copper | ug/L | 24 | | B | U | 11 |
| MW-34 | Cyanide (Total) | ug/L | 10 | | U | | 1.7 |
| MW-34 | Iron | ug/L | 4,360 | | B | U | 95 |
| MW-34 | Lead | ug/L | 3.8 | | U | | 1.1 |
| MW-34 | Magnesium | ug/L | 51,000 | 25,200 | | | 64 |
| MW-34 | Manganese | ug/L | 138 | 19 | | | 1.1 |
| MW-34 | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-34 | Nickel | ug/L | 34 | **165** | | | 14 |
| MW-34 | Potassium | ug/L | 5,810 | | U | | 2,150 |
| MW-34 | Selenium | ug/L | 2.0 | | U | | 3.1 |
| MW-34 | Silver | ug/L | 1.0 | | U | | 5.1 |
| MW-34 | Sodium | ug/L | 37,200 | 19,300 | | | 44 |
| MW-34 | Thallium | ug/L | 3.0 | | U | | 3.1 |
| MW-34 | Vanadium | ug/L | 1.1 | | B | U | 13 |
| MW-34 | Zinc | ug/L | 30 | **60** | | | 2.2 |
| MW-36 | Aluminum | ug/L | 4,770 | | U | | 21 |
| MW-36 | Antimony | ug/L | 2.0 | | U | | 46 |
| MW-36 | Arsenic | ug/L | 3.4 | | U | | 1.9 |
| MW-36 | Barium | ug/L | 242 | 187 | B | | 1.0 |
| MW-36 | Beryllium | ug/L | 1.0 | | U | | 0.60 |
| MW-36 | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| MW-36 | Calcium | ug/L | 75,400 | **79,500** | | | 11 |
| MW-36 | Chromium (Total) | ug/L | 81 | | U | | 2.1 |
| MW-36 | Cobalt | ug/L | 3.1 | | U | | 3.8 |
| MW-36 | Copper | ug/L | 38 | | U | | 3.6 |
| MW-36 | Cyanide (Total) | ug/L | 10 | | U | | 0.85 |
| MW-36 | Iron | ug/L | 9,550 | 3,210 | | | 6.8 |
| MW-36 | Lead | ug/L | 8.9 | | U | | 1.1 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | **51,600** | | | 64 |
| MW-36 | Manganese | ug/L | 145 | 30 | | | 1.1 |
| MW-36 | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-36 | Nickel | ug/L | 68 | | U | | 14 |
| MW-36 | Potassium | ug/L | 6,990 | 3,110 | B | | 2,150 |
| MW-36 | Selenium | ug/L | 2.0 | | U | | 3.1 |
| MW-36 | Silver | ug/L | 1.0 | | U | | 5.1 |
| MW-36 | Sodium | ug/L | 40,600 | 31,200 | | | 44 |
| MW-36 | Thallium | ug/L | 3.0 | | U | | 3.1 |
| MW-36 | Vanadium | ug/L | 3.3 | **4.5** | B | | 4.4 |
| MW-36 | Zinc | ug/L | 46 | | B | U | 8.6 |
| MW-37 | Aluminum | ug/L | 1,410 | 605 | | | 21 |
| MW-37 | Antimony | ug/L | 2.0 | | U | | 46 |
| MW-37 | Arsenic | ug/L | 2.5 | | U | | 1.9 |
| MW-37 | Barium | ug/L | 34 | 19 | B | | 1.0 |
| MW-37 | Beryllium | ug/L | 1.0 | | U | | 0.60 |
| MW-37 | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| MW-37 | Calcium | ug/L | 85,600 | 74,000 | | | 11 |
| MW-37 | Chromium (Total) | ug/L | 10 | | U | | 2.1 |
| MW-37 | Cobalt | ug/L | 10 | | B | U | 5.9 |
| MW-37 | Copper | ug/L | 21 | 14 | B | | 3.6 |
| MW-37 | Cyanide (Total) | ug/L | 10 | | U | | 1.7 |
| MW-37 | Iron | ug/L | 9,665 | 4,410 | | | 6.8 |
| MW-37 | Lead | ug/L | 8.6 | | U | | 1.1 |
| MW-37 | Magnesium | ug/L | 26,850 | 23,000 | | | 64 |
| MW-37 | Manganese | ug/L | 694 | 283 | | | 1.1 |
| MW-37 | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-37 | Nickel | ug/L | 20 | | U | | 14 |
| MW-37 | Potassium | ug/L | 2,025 | | U | | 2,150 |
| MW-37 | Selenium | ug/L | 2.0 | | U | | 3.1 |
| MW-37 | Silver | ug/L | 10 | | U | | 5.1 |
| MW-37 | Sodium | ug/L | 17,500 | 10,700 | | | 44 |
| MW-37 | Thallium | ug/L | 3.0 | | U | | 3.1 |
| MW-37 | Vanadium | ug/L | 20 | | B | U | 7.4 |
| MW-37 | Zinc | ug/L | 23 | 23 | | | 2.2 |
| MW-38 | Aluminum | ug/L | 1,280 | | B | U | 181 |
| MW-38 | Antimony | ug/L | 2.0 | | U | | 46 |
| MW-38 | Arsenic | ug/L | 5.6 | | B | U | 3.4 |
| MW-38 | Barium | ug/L | 54 | 32 | B | | 1.0 |
| MW-38 | Beryllium | ug/L | 1.0 | | U | | 0.60 |
| MW-38 | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| MW-38 | Calcium | ug/L | 63,500 | 60,000 | | | 11 |
| MW-38 | Chromium (Total) | ug/L | 12 | | B | U | 4.7 |
| MW-38 | Cobalt | ug/L | 10 | 8.0 | B | | 3.8 |
| MW-38 | Copper | ug/L | 14 | | B | U | 22 |
| MW-38 | Cyanide (Total) | ug/L | 10 | | U | | 0.85 |
| MW-38 | Iron | ug/L | 16,200 | 3,770 | | | 6.8 |
| MW-38 | Lead | ug/L | 10 | | B | U | 2.6 |
| MW-38 | Magnesium | ug/L | 22,000 | **22,100** | | | 64 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | 807 | E | J | 1.1 |
| MW-38 | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-38 | Nickel | ug/L | 22 | 17 | B | | 14 |
| MW-38 | Potassium | ug/L | 959 | | U | | 2,150 |
| MW-38 | Selenium | ug/L | 2.0 | | U | | 3.1 |
| MW-38 | Silver | ug/L | 10 | | U | | 5.1 |
| MW-38 | Sodium | ug/L | 7,380 | 6,100 | | | 44 |
| MW-38 | Thallium | ug/L | 3.0 | | U | | 3.1 |
| MW-38 | Vanadium | ug/L | 20 | | U | | 4.4 |
| MW-38 | Zinc | ug/L | 73 | | | U | 67 |
| MW-39 | Aluminum | ug/L | 520 | | B | U | 68 |
| MW-39 | Antimony | ug/L | 2.0 | | U | | 46 |
| MW-39 | Arsenic | ug/L | 4.3 | | U | | 1.9 |
| MW-39 | Barium | ug/L | 95 | 74 | B | | 1.0 |
| MW-39 | Beryllium | ug/L | 1.0 | | U | | 0.60 |
| MW-39 | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| MW-39 | Calcium | ug/L | 125,000 | 114,000 | | | 11 |
| MW-39 | Chromium (Total) | ug/L | 12 | | U | | 2.1 |
| MW-39 | Cobalt | ug/L | 10 | | U | | 3.8 |
| MW-39 | Copper | ug/L | 16 | | B | U | 6.6 |
| MW-39 | Cyanide (Total) | ug/L | 10 | 1.2 | B | | 0.85 |
| MW-39 | Iron | ug/L | 17,300 | 7,890 | | | 6.8 |
| MW-39 | Lead | ug/L | 3.5 | | U | | 1.1 |
| MW-39 | Magnesium | ug/L | 22,300 | 21,000 | | | 64 |
| MW-39 | Manganese | ug/L | 1,060 | 772 | | | 1.1 |
| MW-39 | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-39 | Nickel | ug/L | 712 | | U | | 14 |
| MW-39 | Potassium | ug/L | 8,190 | 5,940 | | | 2,150 |
| MW-39 | Selenium | ug/L | 2.0 | | U | | 3.1 |
| MW-39 | Silver | ug/L | 10 | | U | | 5.1 |
| MW-39 | Sodium | ug/L | 123,000 | **145,000** | | | 44 |
| MW-39 | Thallium | ug/L | 3.0 | | U | | 3.1 |
| MW-39 | Vanadium | ug/L | 20 | 5.6 | B | | 4.4 |
| MW-39 | Zinc | ug/L | 36 | 33 | | | 2.2 |
| MW-40 | Aluminum | ug/L | 2,040 | 1,280 | | | 21 |
| MW-40 | Antimony | ug/L | 2.0 | | U | | 46 |
| MW-40 | Arsenic | ug/L | 3.8 | | B | U | 3.6 |
| MW-40 | Barium | ug/L | 27 | **30** | B | | 1.0 |
| MW-40 | Beryllium | ug/L | 1.0 | | U | | 0.60 |
| MW-40 | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| MW-40 | Calcium | ug/L | 35,900 | 16,700 | | | 11 |
| MW-40 | Chromium (Total) | ug/L | 10 | | B | U | 7.1 |
| MW-40 | Cobalt | ug/L | 10 | 5.0 | B | | 3.8 |
| MW-40 | Copper | ug/L | 13 | | B | U | 9.0 |
| MW-40 | Cyanide (Total) | ug/L | 10 | | U | | 0.85 |
| MW-40 | Iron | ug/L | 4,120 | 4,050 | | | 6.8 |
| MW-40 | Lead | ug/L | 11 | 3.2 | | | 1.1 |
| MW-40 | Magnesium | ug/L | 12,950 | 7,220 | | | 64 |
| MW-40 | Manganese | ug/L | 852 | 318 | | | 1.1 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 0.10 |
| MW-40 | Nickel | ug/L | 20 | | U | | 14 |
| MW-40 | Potassium | ug/L | 1,700 | **3,080** | B | | 2,150 |
| MW-40 | Selenium | ug/L | 2.0 | | U | | 3.1 |
| MW-40 | Silver | ug/L | 10 | | U | | 5.1 |
| MW-40 | Sodium | ug/L | 7,800 | 4,030 | B | | 44 |
| MW-40 | Thallium | ug/L | 3.0 | | U | | 3.1 |
| MW-40 | Vanadium | ug/L | 20 | | U | | 4.4 |
| MW-40 | Zinc | ug/L | 26 | **29** | | | 2.2 |
| MW-41 | Aluminum | ug/L | 1,040 | 393 | | | 21 |
| MW-41 | Antimony | ug/L | 2.0 | | U | | 46 |
| MW-41 | Arsenic | ug/L | 3.0 | | B | U | 3.6 |
| MW-41 | Barium | ug/L | 31 | 19 | B | | 1.0 |
| MW-41 | Beryllium | ug/L | 1.0 | | U | | 0.60 |
| MW-41 | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| MW-41 | Calcium | ug/L | 55,200 | 48,400 | | | 11 |
| MW-41 | Chromium (Total) | ug/L | 10 | | B | U | 5.4 |
| MW-41 | Cobalt | ug/L | 10 | | U | | 3.8 |
| MW-41 | Copper | ug/L | 16 | | B | U | 4.2 |
| MW-41 | Cyanide (Total) | ug/L | 10 | | U | | 0.85 |
| MW-41 | Iron | ug/L | 1,670 | 428 | | | 6.8 |
| MW-41 | Lead | ug/L | 13 | | U | | 1.1 |
| MW-41 | Magnesium | ug/L | 18,500 | 15,700 | | | 64 |
| MW-41 | Manganese | ug/L | 414 | 95 | | | 1.1 |
| MW-41 | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-41 | Nickel | ug/L | 20 | | U | | 14 |
| MW-41 | Potassium | ug/L | 964 | **2,170** | B | | 2,150 |
| MW-41 | Selenium | ug/L | 2.0 | | U | | 3.1 |
| MW-41 | Silver | ug/L | 10 | | U | | 5.1 |
| MW-41 | Sodium | ug/L | 9,560 | 4,080 | B | | 44 |
| MW-41 | Thallium | ug/L | 3.0 | | U | | 3.1 |
| MW-41 | Vanadium | ug/L | 20 | | U | | 4.4 |
| MW-41 | Zinc | ug/L | 32 | **43** | | | 2.2 |
| MW-42 | Aluminum | ug/L | 1,880 | | B | U | 24 |
| MW-42 | Antimony | ug/L | 2.0 | | U | | 46 |
| MW-42 | Arsenic | ug/L | 15 | | U | | 1.9 |
| MW-42 | Barium | ug/L | 97 | 63 | B | | 1.0 |
| MW-42 | Beryllium | ug/L | 1.0 | | U | | 0.60 |
| MW-42 | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| MW-42 | Calcium | ug/L | 139,000 | 108,000 | | | 11 |
| MW-42 | Chromium (Total) | ug/L | 15 | | U | | 2.1 |
| MW-42 | Cobalt | ug/L | 10 | | U | | 3.8 |
| MW-42 | Copper | ug/L | 22 | | U | | 3.6 |
| MW-42 | Cyanide (Total) | ug/L | 10 | | U | | 0.85 |
| MW-42 | Iron | ug/L | 11,100 | 1,100 | | | 6.8 |
| MW-42 | Lead | ug/L | 5.7 | | U | | 1.1 |
| MW-42 | Magnesium | ug/L | 49,800 | 40,200 | | | 64 |
| MW-42 | Manganese | ug/L | 928 | 576 | | | 1.1 |
| MW-42 | Mercury | ug/L | 0.20 | | U | | 0.10 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| Well | Analyte | Units | Highest Detection | CurrentEvent | | | |
|---|---|---|---|---|---|---|---|
| | | | | Result | LQ | DQ | Detect Limit |
| MW-42 | Nickel | ug/L | 20 | | U | | 14 |
| MW-42 | Potassium | ug/L | 2,350 | 2,340 | B | | 2,150 |
| MW-42 | Selenium | ug/L | 2.0 | | U | | 3.1 |
| MW-42 | Silver | ug/L | 10 | | U | | 5.1 |
| MW-42 | Sodium | ug/L | 18,000 | 14,200 | | | 44 |
| MW-42 | Thallium | ug/L | 3.0 | | U | | 3.1 |
| MW-42 | Vanadium | ug/L | 20 | 6.8 | B | | 4.4 |
| MW-42 | Zinc | ug/L | 30 | 18 | B | | 2.2 |
| MW-43 | Aluminum | ug/L | 12,700 | 1,820 | | | 21 |
| MW-43 | Antimony | ug/L | 2.0 | | U | | 46 |
| MW-43 | Arsenic | ug/L | 81 | 36 | | | 1.9 |
| MW-43 | Barium | ug/L | 128 | 68 | B | | 1.0 |
| MW-43 | Beryllium | ug/L | 1.5 | | U | | 0.60 |
| MW-43 | Cadmium | ug/L | 1.3 | | U | | 4.6 |
| MW-43 | Calcium | ug/L | 134,000 | 111,000 | | | 11 |
| MW-43 | Chromium (Total) | ug/L | 95 | | B | U | 6.2 |
| MW-43 | Cobalt | ug/L | 20 | 4.6 | B | | 3.8 |
| MW-43 | Copper | ug/L | 75 | | B | U | 7.9 |
| MW-43 | Cyanide (Total) | ug/L | 10 | | U | | 0.85 |
| MW-43 | Iron | ug/L | 47,500 | 16,800 | | | 6.8 |
| MW-43 | Lead | ug/L | 33 | 3.7 | | | 1.1 |
| MW-43 | Magnesium | ug/L | 63,600 | 49,000 | | | 64 |
| MW-43 | Manganese | ug/L | 857 | 320 | | | 1.1 |
| MW-43 | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-43 | Nickel | ug/L | 82 | | U | | 14 |
| MW-43 | Potassium | ug/L | 5,610 | | U | | 2,150 |
| MW-43 | Selenium | ug/L | 2.1 | | U | | 3.1 |
| MW-43 | Silver | ug/L | 10 | | U | | 5.1 |
| MW-43 | Sodium | ug/L | 13,100 | 12,300 | | | 44 |
| MW-43 | Thallium | ug/L | 3.0 | | U | | 3.1 |
| MW-43 | Vanadium | ug/L | 31 | 9.1 | B | | 4.4 |
| MW-43 | Zinc | ug/L | 104 | 39 | | | 2.2 |
| MW-44 | Aluminum | ug/L | 1,710 | | B | U | 34 |
| MW-44 | Antimony | ug/L | 2.0 | | U | | 46 |
| MW-44 | Arsenic | ug/L | 41 | | B | U | 9.6 |
| MW-44 | Barium | ug/L | 150 | 105 | B | | 1.0 |
| MW-44 | Beryllium | ug/L | 1.0 | | U | | 0.60 |
| MW-44 | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| MW-44 | Calcium | ug/L | 94,000 | 84,900 | | | 11 |
| MW-44 | Chromium (Total) | ug/L | 31 | 20 | | | 2.1 |
| MW-44 | Cobalt | ug/L | 10 | | U | | 3.8 |
| MW-44 | Copper | ug/L | 27 | | U | | 3.6 |
| MW-44 | Cyanide (Total) | ug/L | 10 | | U | | 0.85 |
| MW-44 | Iron | ug/L | 14,700 | 1,860 | | | 6.8 |
| MW-44 | Lead | ug/L | 1.5 | | U | | 1.1 |
| MW-44 | Magnesium | ug/L | 38,450 | 36,600 | | | 64 |
| MW-44 | Manganese | ug/L | 108 | 35 | | | 1.1 |
| MW-44 | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-44 | Nickel | ug/L | 23 | | U | | 14 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | **2,900** | B | | 2,150 |
| MW-44 | Selenium | ug/L | 2.0 | | U | | 3.1 |
| MW-44 | Silver | ug/L | 10 | | U | | 5.1 |
| MW-44 | Sodium | ug/L | 20,800 | 19,100 | | | 44 |
| MW-44 | Thallium | ug/L | 3.0 | | U | | 3.1 |
| MW-44 | Vanadium | ug/L | 20 | | U | | 4.4 |
| MW-44 | Zinc | ug/L | 28 | 16 | B | | 2.2 |
| MW-45 | Aluminum | ug/L | 776 | | B | U | 65 |
| MW-45 | Antimony | ug/L | 2.0 | | U | | 46 |
| MW-45 | Arsenic | ug/L | 44 | **44** | | | 1.9 |
| MW-45 | Barium | ug/L | 117 | 89 | B | | 1.0 |
| MW-45 | Beryllium | ug/L | 1.0 | | U | | 0.60 |
| MW-45 | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| MW-45 | Calcium | ug/L | 120,000 | 94,900 | | | 11 |
| MW-45 | Chromium (Total) | ug/L | 29 | | B | U | 4.4 |
| MW-45 | Cobalt | ug/L | 10 | 4.4 | B | | 3.8 |
| MW-45 | Copper | ug/L | 48 | | U | | 3.6 |
| MW-45 | Cyanide (Total) | ug/L | 10 | | U | | 0.85 |
| MW-45 | Iron | ug/L | 15,900 | **17,000** | | | 6.8 |
| MW-45 | Lead | ug/L | 39 | | U | | 1.1 |
| MW-45 | Magnesium | ug/L | 322,000 | 24,500 | | | 64 |
| MW-45 | Manganese | ug/L | 688 | 364 | | | 1.1 |
| MW-45 | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-45 | Nickel | ug/L | 35 | | U | | 14 |
| MW-45 | Potassium | ug/L | 8,350 | 6,320 | | | 2,150 |
| MW-45 | Selenium | ug/L | 2.0 | | U | | 3.1 |
| MW-45 | Silver | ug/L | 10 | | U | | 5.1 |
| MW-45 | Sodium | ug/L | 101,000 | 86,900 | | | 44 |
| MW-45 | Thallium | ug/L | 3.0 | | U | | 3.1 |
| MW-45 | Vanadium | ug/L | 20 | | U | | 4.4 |
| MW-45 | Zinc | ug/L | 21 | **51** | | | 2.2 |
| MW-46 | Aluminum | ug/L | 821 | **1,800** | | | 21 |
| MW-46 | Antimony | ug/L | 2.0 | | U | | 46 |
| MW-46 | Arsenic | ug/L | 3.7 | | B | U | 3.9 |
| MW-46 | Barium | ug/L | 132 | 118 | B | | 1.0 |
| MW-46 | Beryllium | ug/L | 1.0 | | B | U | 1.0 |
| MW-46 | Cadmium | ug/L | 1.1 | | U | | 4.6 |
| MW-46 | Calcium | ug/L | 115,000 | 112,000 | | | 11 |
| MW-46 | Chromium (Total) | ug/L | 12 | **15** | | | 2.1 |
| MW-46 | Cobalt | ug/L | 10 | | U | | 3.8 |
| MW-46 | Copper | ug/L | 13 | | B | U | 11 |
| MW-46 | Cyanide (Total) | ug/L | 10 | | U | | 1.7 |
| MW-46 | Iron | ug/L | 21,700 | **28,300** | | | 6.8 |
| MW-46 | Lead | ug/L | 5.0 | | | U | 5.3 |
| MW-46 | Magnesium | ug/L | 32,400 | 29,900 | | | 64 |
| MW-46 | Manganese | ug/L | 1,510 | **1,520** | | | 1.1 |
| MW-46 | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-46 | Nickel | ug/L | 20 | | U | | 14 |
| MW-46 | Potassium | ug/L | 1,450 | | U | | 2,150 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 3.1 |
| MW-46 | Silver | ug/L | 10 | | B | U | 6.0 |
| MW-46 | Sodium | ug/L | 74,900 | 51,700 | | | 44 |
| MW-46 | Thallium | ug/L | 3.0 | | U | | 3.1 |
| MW-46 | Vanadium | ug/L | 20 | | B | U | 18 |
| MW-46 | Zinc | ug/L | 19 | **38** | | | 2.2 |
| MW-47 | Aluminum | ug/L | 1,630 | | B | U | 197 |
| MW-47 | Antimony | ug/L | 2.0 | | U | | 46 |
| MW-47 | Arsenic | ug/L | 2.0 | | U | | 1.9 |
| MW-47 | Barium | ug/L | 13 | | B | U | 3.7 |
| MW-47 | Beryllium | ug/L | 1.0 | | U | | 0.60 |
| MW-47 | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| MW-47 | Calcium | ug/L | 13,700 | 6,390 | | | 11 |
| MW-47 | Chromium (Total) | ug/L | 10 | **10** | | | 2.1 |
| MW-47 | Cobalt | ug/L | 10 | | U | | 3.8 |
| MW-47 | Copper | ug/L | 15 | | U | | 3.6 |
| MW-47 | Cyanide (Total) | ug/L | 10 | | U | | 1.7 |
| MW-47 | Iron | ug/L | 1,130 | | | U | 206 |
| MW-47 | Lead | ug/L | 23 | | U | | 1.1 |
| MW-47 | Magnesium | ug/L | 3,990 | 1,780 | B | | 64 |
| MW-47 | Manganese | ug/L | 27 | | B | U | 6.0 |
| MW-47 | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-47 | Nickel | ug/L | 20 | | U | | 14 |
| MW-47 | Potassium | ug/L | 1,130 | | U | | 2,150 |
| MW-47 | Selenium | ug/L | 2.0 | | U | | 3.1 |
| MW-47 | Silver | ug/L | 10 | | U | | 5.1 |
| MW-47 | Sodium | ug/L | 6,750 | 2,870 | B | | 44 |
| MW-47 | Thallium | ug/L | 4.3 | | U | | 3.1 |
| MW-47 | Vanadium | ug/L | 20 | | U | | 4.4 |
| MW-47 | Zinc | ug/L | 42 | | | U | 23 |
| MW-48 | Aluminum | ug/L | 330 | | B | U | 45 |
| MW-48 | Antimony | ug/L | 2.0 | | U | | 46 |
| MW-48 | Arsenic | ug/L | 13 | | B | U | 7.9 |
| MW-48 | Barium | ug/L | 160 | 85 | B | | 1.0 |
| MW-48 | Beryllium | ug/L | 1.0 | | U | | 0.60 |
| MW-48 | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| MW-48 | Calcium | ug/L | 142,000 | 93,000 | | | 11 |
| MW-48 | Chromium (Total) | ug/L | 10 | | B | U | 2.2 |
| MW-48 | Cobalt | ug/L | 10 | | U | | 3.8 |
| MW-48 | Copper | ug/L | 14 | | U | | 3.6 |
| MW-48 | Cyanide (Total) | ug/L | 10 | | U | | 0.85 |
| MW-48 | Iron | ug/L | 30,800 | 17,500 | | | 6.8 |
| MW-48 | Lead | ug/L | 7.7 | | U | | 1.1 |
| MW-48 | Magnesium | ug/L | 20,100 | 13,400 | | | 64 |
| MW-48 | Manganese | ug/L | 688 | 622 | | | 1.1 |
| MW-48 | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-48 | Nickel | ug/L | 20 | | U | | 14 |
| MW-48 | Potassium | ug/L | 8,470 | 6,200 | | | 2,150 |
| MW-48 | Selenium | ug/L | 2.0 | | U | | 3.1 |

**BOLD** = Exceedance
NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 5.1 |
| MW-48 | Sodium | ug/L | 52,100 | 29,800 | | | 44 |
| MW-48 | Thallium | ug/L | 4.0 | | U | | 3.1 |
| MW-48 | Vanadium | ug/L | 20 | | U | | 4.4 |
| MW-48 | Zinc | ug/L | 53 | | U | | 11 |
| MW-49 | Aluminum | ug/L | 1,070 | | B | U | 131 |
| MW-49 | Antimony | ug/L | 2.0 | | U | | 46 |
| MW-49 | Arsenic | ug/L | 38 | 18 | | | 1.9 |
| MW-49 | Barium | ug/L | 135 | 96 | B | | 1.0 |
| MW-49 | Beryllium | ug/L | 1.1 | | U | | 0.60 |
| MW-49 | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| MW-49 | Calcium | ug/L | 94,600 | 74,900 | | | 11 |
| MW-49 | Chromium (Total) | ug/L | 11 | 2.6 | B | | 2.1 |
| MW-49 | Cobalt | ug/L | 10 | | B | U | 5.5 |
| MW-49 | Copper | ug/L | 12 | | U | | 3.6 |
| MW-49 | Cyanide (Total) | ug/L | 10 | | B | U | 2.0 |
| MW-49 | Iron | ug/L | 28,700 | 27,800 | | | 6.8 |
| MW-49 | Lead | ug/L | 4.4 | | U | | 1.1 |
| MW-49 | Magnesium | ug/L | 11,800 | 10,500 | | | 64 |
| MW-49 | Manganese | ug/L | 2,330 | 1,790 | | | 1.1 |
| MW-49 | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-49 | Nickel | ug/L | 21 | | U | | 14 |
| MW-49 | Potassium | ug/L | 5,900 | 4,480 | B | | 2,150 |
| MW-49 | Selenium | ug/L | 2.0 | | U | | 3.1 |
| MW-49 | Silver | ug/L | 10 | | U | | 5.1 |
| MW-49 | Sodium | ug/L | 29,650 | 21,500 | | | 44 |
| MW-49 | Thallium | ug/L | 3.0 | | U | | 3.1 |
| MW-49 | Vanadium | ug/L | 20 | | U | | 4.4 |
| MW-49 | Zinc | ug/L | 60 | | | U | 47 |
| MW-50 | Aluminum | ug/L | 12,000 | 5,240 | | | 21 |
| MW-50 | Antimony | ug/L | 2.0 | | U | | 46 |
| MW-50 | Arsenic | ug/L | 7.7 | | B | U | 3.6 |
| MW-50 | Barium | ug/L | 314 | 218 | | | 1.0 |
| MW-50 | Beryllium | ug/L | 1.1 | 0.65 | B | | 0.60 |
| MW-50 | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| MW-50 | Calcium | ug/L | 191,000 | 140,000 | | | 11 |
| MW-50 | Chromium (Total) | ug/L | 130 | 27 | | | 2.1 |
| MW-50 | Cobalt | ug/L | 12 | | B | U | 10 |
| MW-50 | Copper | ug/L | 41 | | B | U | 14 |
| MW-50 | Cyanide (Total) | ug/L | 10 | | B | U | 1.7 |
| MW-50 | Iron | ug/L | 20,200 | 8,870 | | | 6.8 |
| MW-50 | Lead | ug/L | 14 | | | U | 3.2 |
| MW-50 | Magnesium | ug/L | 87,800 | 66,600 | | | 64 |
| MW-50 | Manganese | ug/L | 408 | 163 | | | 1.1 |
| MW-50 | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-50 | Nickel | ug/L | 105 | 27 | B | | 14 |
| MW-50 | Potassium | ug/L | 21,200 | 8,520 | | | 2,150 |
| MW-50 | Selenium | ug/L | 2.0 | | U | | 3.1 |
| MW-50 | Silver | ug/L | 1.0 | | U | | 5.1 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | 314,000 | | | 44 |
| MW-50 | Thallium | ug/L | 3.0 | | U | | 3.1 |
| MW-50 | Vanadium | ug/L | 19 | | B | U | 18 |
| MW-50 | Zinc | ug/L | 57 | **82** | | | 2.2 |
| MW-51 | Aluminum | ug/L | 1,040 | 787 | | | 21 |
| MW-51 | Antimony | ug/L | 2.0 | | U | | 46 |
| MW-51 | Arsenic | ug/L | 3.9 | | U | | 1.9 |
| MW-51 | Barium | ug/L | 455 | 352 | | | 1.0 |
| MW-51 | Beryllium | ug/L | 1.0 | | B | U | 0.80 |
| MW-51 | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| MW-51 | Calcium | ug/L | 153,000 | 132,000 | | | 11 |
| MW-51 | Chromium (Total) | ug/L | 7.5 | | B | U | 9.2 |
| MW-51 | Cobalt | ug/L | 2.3 | | U | | 3.8 |
| MW-51 | Copper | ug/L | 6.7 | | B | U | 4.4 |
| MW-51 | Cyanide (Total) | ug/L | 10 | | B | U | 1.9 |
| MW-51 | Iron | ug/L | 8,660 | 8,430 | | | 6.8 |
| MW-51 | Lead | ug/L | 3.9 | | B | U | 1.9 |
| MW-51 | Magnesium | ug/L | 67,600 | 60,500 | | | 64 |
| MW-51 | Manganese | ug/L | 173 | 111 | E | J | 1.1 |
| MW-51 | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-51 | Nickel | ug/L | 11 | | U | | 14 |
| MW-51 | Potassium | ug/L | 4,495 | | U | | 2,150 |
| MW-51 | Selenium | ug/L | 2.0 | | B | U | 3.7 |
| MW-51 | Silver | ug/L | 1.0 | | U | | 5.1 |
| MW-51 | Sodium | ug/L | 114,000 | 101,000 | | | 44 |
| MW-51 | Thallium | ug/L | 3.0 | | B | U | 3.3 |
| MW-51 | Vanadium | ug/L | 1.8 | | B | U | 12 |
| MW-51 | Zinc | ug/L | 19 | | | U | 27 |
| MW-52 | Aluminum | ug/L | 4,190 | | B | U | 130 |
| MW-52 | Antimony | ug/L | 6.8 | | U | | 46 |
| MW-52 | Arsenic | ug/L | 125 | | B | U | 9.9 |
| MW-52 | Barium | ug/L | 369 | 280 | | | 1.0 |
| MW-52 | Beryllium | ug/L | 1.2 | | U | | 0.60 |
| MW-52 | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| MW-52 | Calcium | ug/L | 139,000 | 110,000 | | | 11 |
| MW-52 | Chromium (Total) | ug/L | 248 | | U | | 2.1 |
| MW-52 | Cobalt | ug/L | 13 | | U | | 3.8 |
| MW-52 | Copper | ug/L | 67 | | B | U | 18 |
| MW-52 | Cyanide (Total) | ug/L | 10 | | B | U | 1.4 |
| MW-52 | Iron | ug/L | 11,600 | 4,780 | | | 6.8 |
| MW-52 | Lead | ug/L | 31 | | U | | 1.1 |
| MW-52 | Magnesium | ug/L | 52,800 | 43,900 | | | 64 |
| MW-52 | Manganese | ug/L | 673 | 165 | E | J | 1.1 |
| MW-52 | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-52 | Nickel | ug/L | 201 | | U | | 14 |
| MW-52 | Potassium | ug/L | 7,770 | | U | | 2,150 |
| MW-52 | Selenium | ug/L | 2.1 | | U | | 3.1 |
| MW-52 | Silver | ug/L | 1.0 | | U | | 5.1 |
| MW-52 | Sodium | ug/L | 152,000 | 149,000 | | | 44 |

**BOLD** = Exceedance

NA = Not Available

# Comparison of Results to Baseline Highest Detections
## June 1998
## 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 | | 3.1 |
| MW-52 | Vanadium | ug/L | 11 | | B | U | 11 |
| MW-52 | Zinc | ug/L | 90 | | | U | 28 |
| MW-53 | Aluminum | ug/L | 39,200 | 2,820 | | | 21 |
| MW-53 | Antimony | ug/L | 3.3 | | U | | 46 |
| MW-53 | Arsenic | ug/L | 30 | | B | U | 4.8 |
| MW-53 | Barium | ug/L | 1,620 | 1,450 | | | 1.0 |
| MW-53 | Beryllium | ug/L | 6.2 | | B | U | 1.2 |
| MW-53 | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| MW-53 | Calcium | ug/L | 258,000 | **262,000** | | | 11 |
| MW-53 | Chromium (Total) | ug/L | 189 | 21 | | | 2.1 |
| MW-53 | Cobalt | ug/L | 25 | 8.8 | B | | 3.8 |
| MW-53 | Copper | ug/L | 107 | | B | U | 20 |
| MW-53 | Cyanide (Total) | ug/L | 10 | | B | U | 2.4 |
| MW-53 | Iron | ug/L | 48,800 | 31,000 | | | 6.8 |
| MW-53 | Lead | ug/L | 138 | | | U | 8.6 |
| MW-53 | Magnesium | ug/L | 117,000 | 105,000 | | | 64 |
| MW-53 | Manganese | ug/L | 1,630 | 203 | E | J | 1.1 |
| MW-53 | Mercury | ug/L | 0.24 | 0.12 | B | | 0.10 |
| MW-53 | Nickel | ug/L | 139 | 16 | B | | 14 |
| MW-53 | Potassium | ug/L | 33,200 | 13,200 | | | 2,150 |
| MW-53 | Selenium | ug/L | 5.1 | | U | | 3.1 |
| MW-53 | Silver | ug/L | 1.0 | | U | | 5.1 |
| MW-53 | Sodium | ug/L | 404,000 | 372,000 | | | 44 |
| MW-53 | Thallium | ug/L | 3.0 | | U | | 3.1 |
| MW-53 | Vanadium | ug/L | 32 | | B | U | 18 |
| MW-53 | Zinc | ug/L | 443 | | | U | 54 |
| MW-54R | Aluminum | ug/L | 1,980 | 566 | | | 21 |
| MW-54R | Antimony | ug/L | 3.2 | | U | | 46 |
| MW-54R | Arsenic | ug/L | 9.8 | | B | U | 3.2 |
| MW-54R | Barium | ug/L | 190 | 164 | B | | 1.0 |
| MW-54R | Beryllium | ug/L | 1.0 | | B | U | 0.72 |
| MW-54R | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| MW-54R | Calcium | ug/L | 132,000 | 126,000 | | | 11 |
| MW-54R | Chromium (Total) | ug/L | 82 | | B | U | 7.0 |
| MW-54R | Cobalt | ug/L | 4.0 | | U | | 3.8 |
| MW-54R | Copper | ug/L | 60 | | U | | 3.6 |
| MW-54R | Cyanide (Total) | ug/L | 10 | | U | | 0.85 |
| MW-54R | Iron | ug/L | 5,480 | 2,500 | | | 6.8 |
| MW-54R | Lead | ug/L | 10 | | U | | 1.1 |
| MW-54R | Magnesium | ug/L | 54,100 | 47,200 | | | 64 |
| MW-54R | Manganese | ug/L | 256 | 95 | E | J | 1.1 |
| MW-54R | Mercury | ug/L | 0.20 | | U | | 0.10 |
| MW-54R | Nickel | ug/L | 66 | | U | | 14 |
| MW-54R | Potassium | ug/L | 4,540 | 3,080 | B | | 2,150 |
| MW-54R | Selenium | ug/L | 2.7 | | U | | 3.1 |
| MW-54R | Silver | ug/L | 1.0 | | U | | 5.1 |
| MW-54R | Sodium | ug/L | 28,700 | **41,200** | | | 44 |
| MW-54R | Thallium | ug/L | 3.0 | | U | | 3.1 |

**BOLD** = Exceedance
NA = Not Available

## Comparison of Results to Baseline Highest Detections
## June 1998
## American Chemical Services NPL Site
## Griffith, Indiana

| Well | Analyte | Units | Highest Detection | CurrentEvent | | | |
|---|---|---|---|---|---|---|---|
| | | | | Result | LQ | DQ | Detect Limit |
| MW-54R | Vanadium | ug/L | 3.4 | | B | U | 15 |
| MW-54R | Zinc | ug/L | 128 | | B | U | 19 |
| MW-55 | Aluminum | ug/L | 15,950 | 376 | | | 21 |
| MW-55 | Antimony | ug/L | 2.2 | | U | | 46 |
| MW-55 | Arsenic | ug/L | 13 | | U | | 1.9 |
| MW-55 | Barium | ug/L | 286 | 151 | B | | 1.0 |
| MW-55 | Beryllium | ug/L | 2.7 | | U | | 0.60 |
| MW-55 | Cadmium | ug/L | 1.0 | | U | | 4.6 |
| MW-55 | Calcium | ug/L | 80,000 | 57,600 | | | 11 |
| MW-55 | Chromium (Total) | ug/L | 145 | | B | U | 3.9 |
| MW-55 | Cobalt | ug/L | 11 | | U | | 3.8 |
| MW-55 | Copper | ug/L | 105 | | B | U | 16 |
| MW-55 | Cyanide (Total) | ug/L | 10 | | U | | 0.85 |
| MW-55 | Iron | ug/L | 17,700 | 515 | | | 6.8 |
| MW-55 | Lead | ug/L | 46 | | U | | 1.1 |
| MW-55 | Magnesium | ug/L | 48,500 | 34,400 | | | 64 |
| MW-55 | Manganese | ug/L | 594 | 159 | E | J | 1.1 |
| MW-55 | Mercury | ug/L | 0.22 | | U | | 0.10 |
| MW-55 | Nickel | ug/L | 110 | 17 | B | | 14 |
| MW-55 | Potassium | ug/L | 11,350 | 4,290 | B | | 2,150 |
| MW-55 | Selenium | ug/L | 4.7 | | U | | 3.1 |
| MW-55 | Silver | ug/L | 1.0 | | U | | 5.1 |
| MW-55 | Sodium | ug/L | 128,000 | 68,000 | | | 44 |
| MW-55 | Thallium | ug/L | 3.0 | | U | | 3.1 |
| MW-55 | Vanadium | ug/L | 16 | | B | U | 10 |
| MW-55 | Zinc | ug/L | 110 | | | U | 59 |

**BOLD** = Exceedance
NA = Not Available

# APPENDIX B

# TIME TREND PLOTS

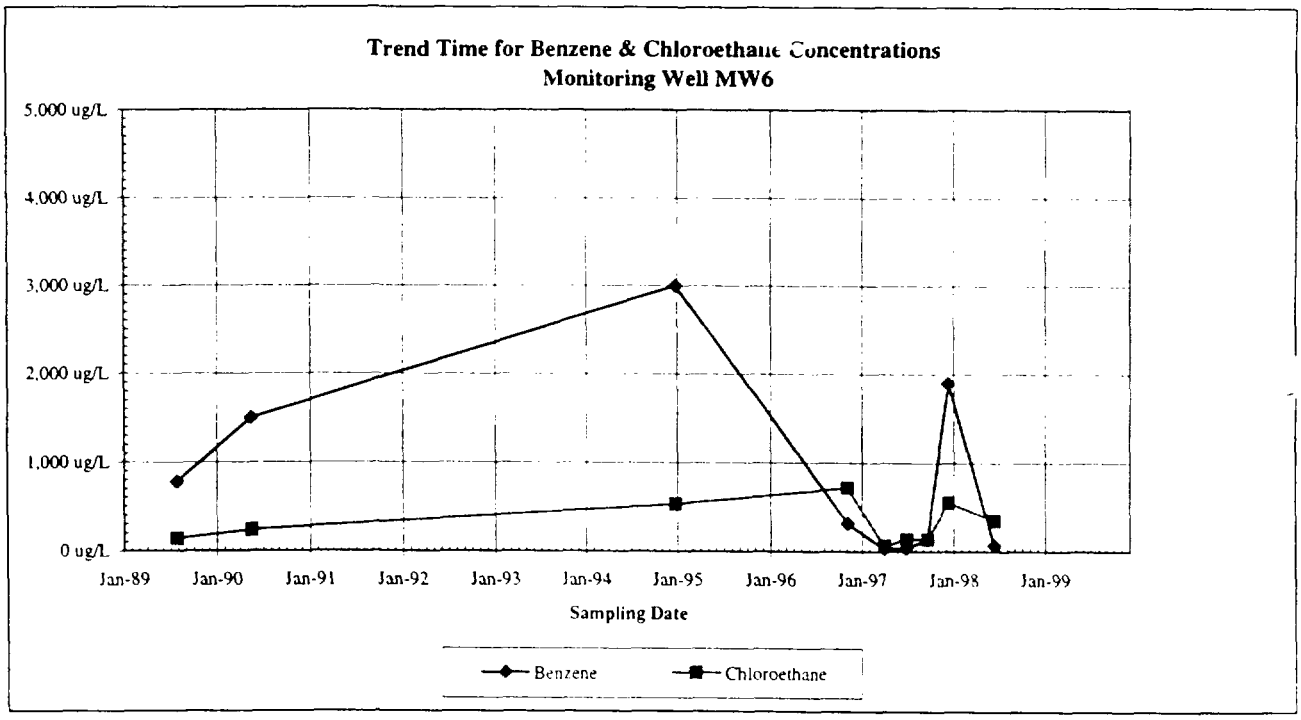
# Upper Aquifer Monitoring Well: MW6

**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 | 72 ug/L | 350 ug/L |
| November-98 | | |
| March-99 | | |
| October-99 | | |

BDL = Below the Detection Limit



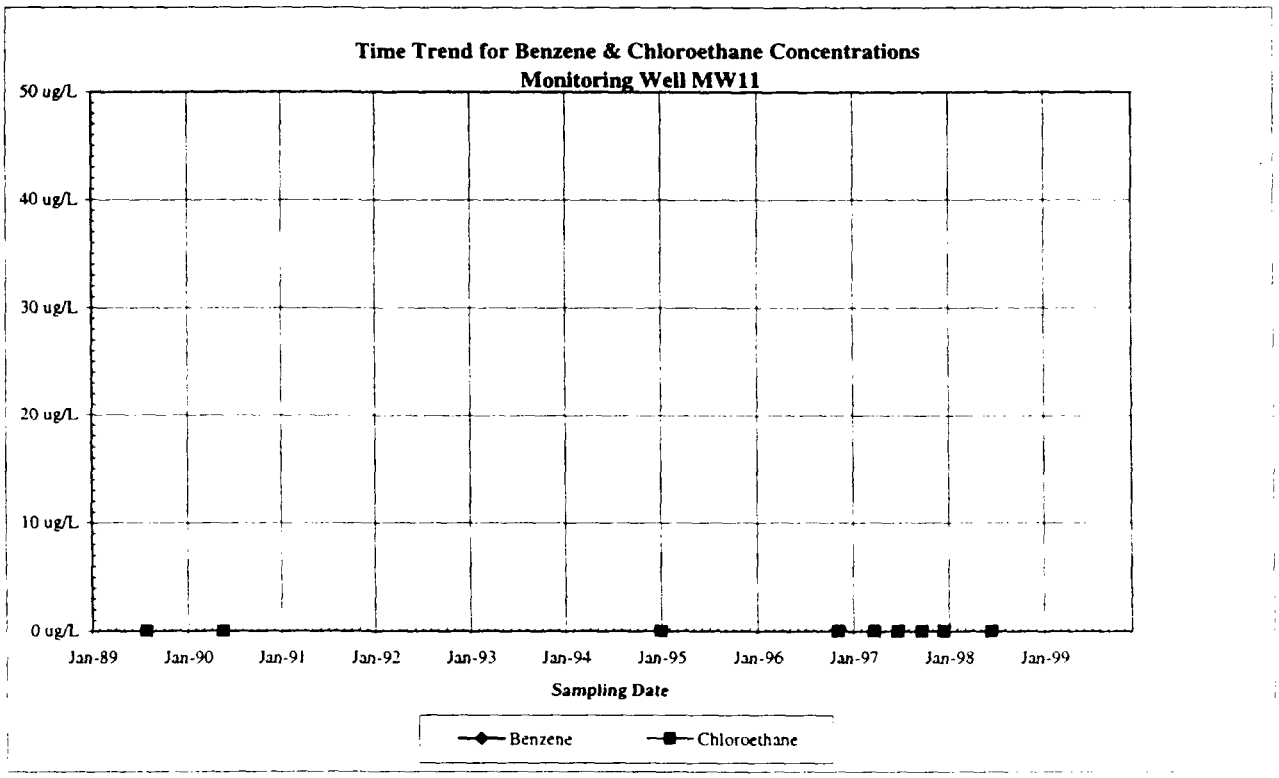
Upper Aquifer Monitoring Well: MW11

**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 | BDL | BDL |
| November-98 | | |
| March-99 | | |
| October-99 | | |

BDL = Below the Detection Limit



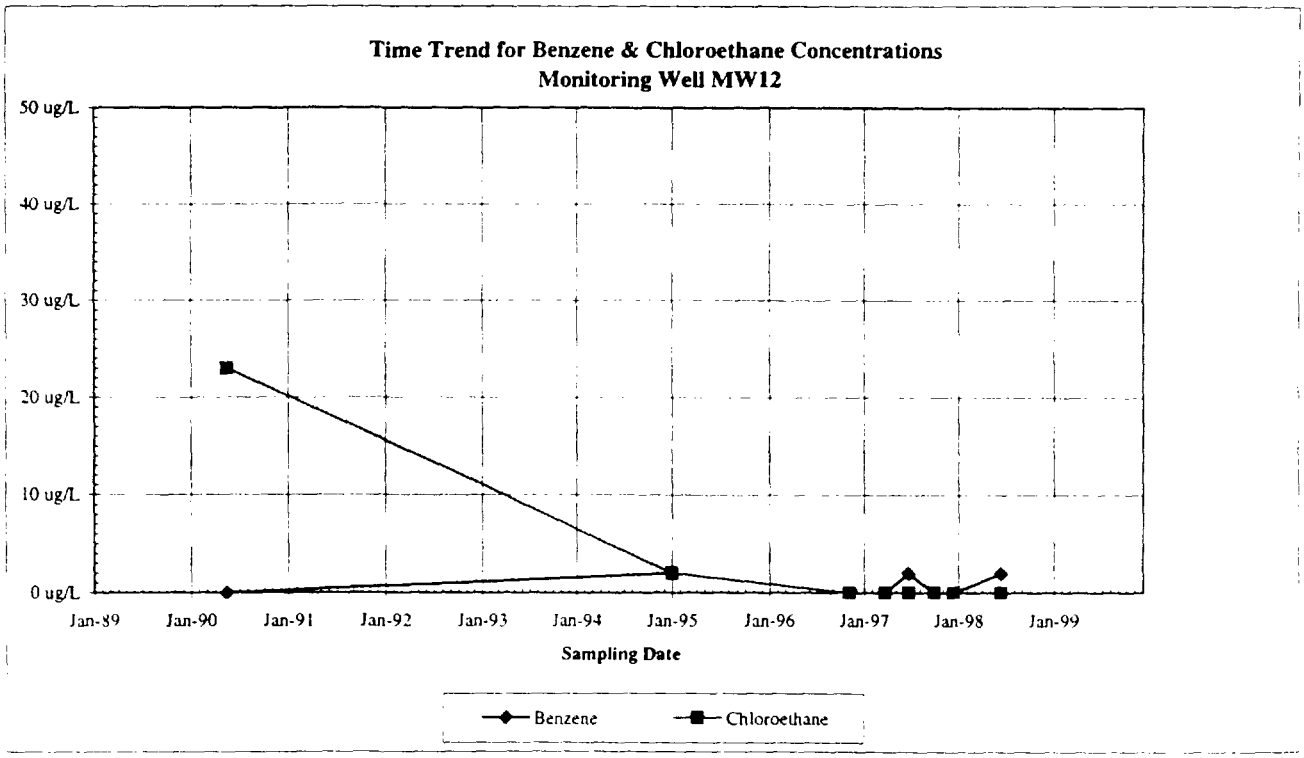
# Upper Aquifer Monitoring Well: MW12

**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 | 2 ug/L | BDL |
| November-98 | | |
| March-99 | | |
| October-99 | | |

BDL = Below the Detection Limit

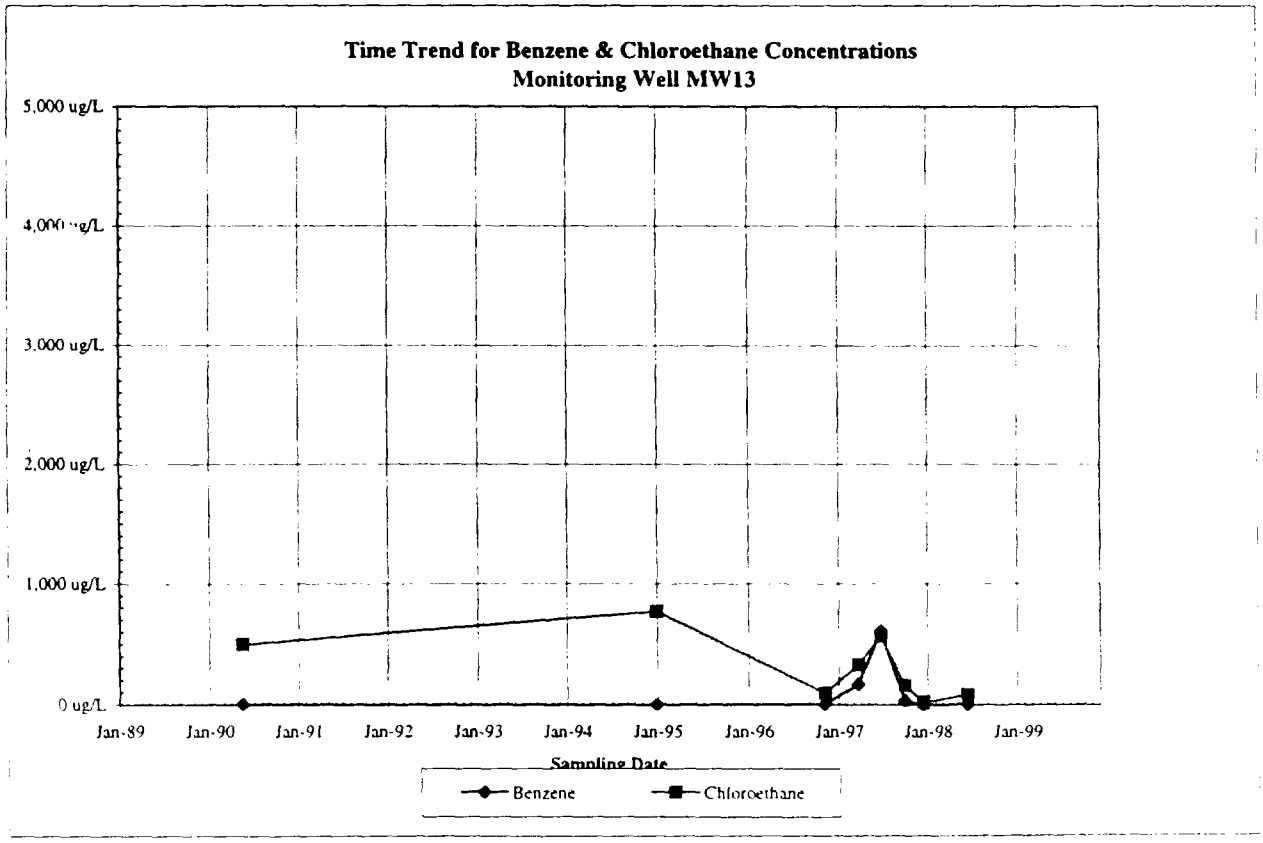


**Baseline Groundwater Monitoring**
ACS NPL Site

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 | 2 ug/L | 82 ug/L |
| November-98 | | |
| March-99 | | |
| October-99 | | |

BDL = Below the Detection Limit



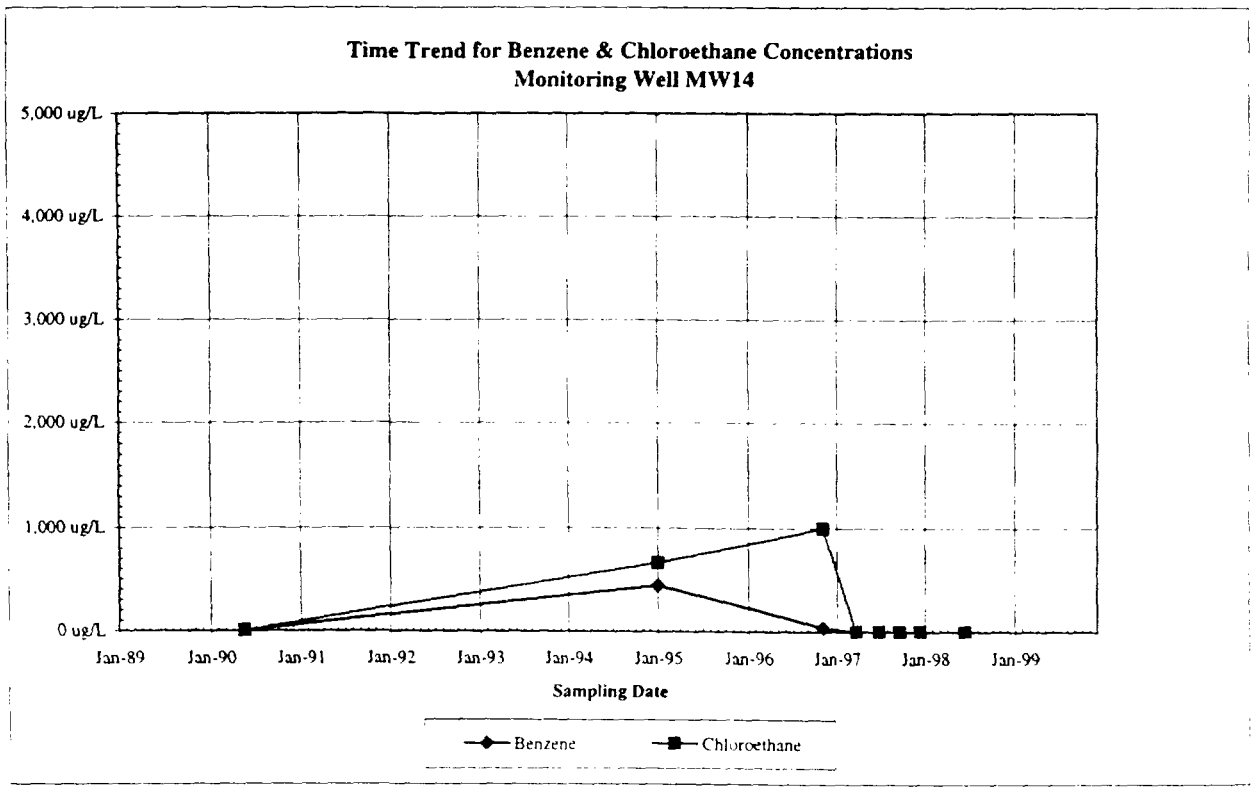
Upper Aquifer Monitoring Well: MW14

**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 | BDL | BDL |
| November-98 | | |
| March-99 | | |
| October-99 | | |

BDL = Below the Detection Limit



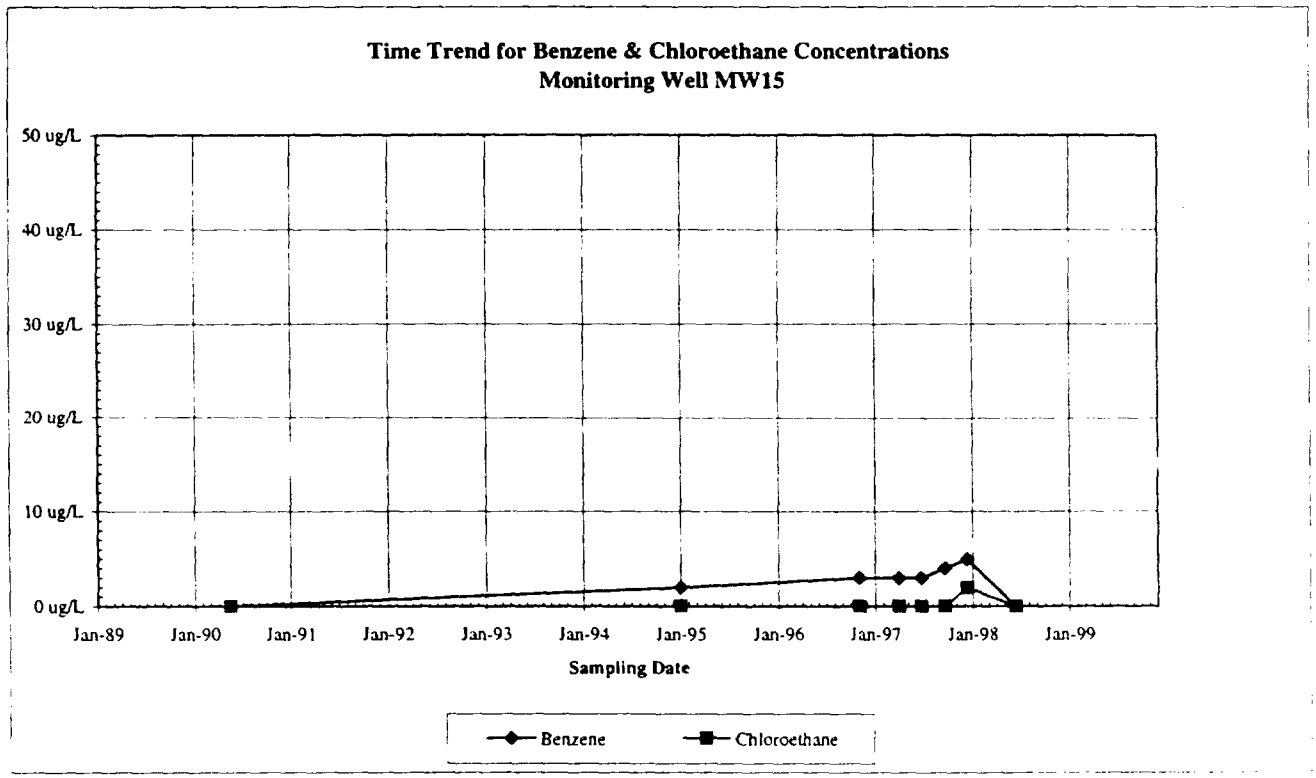
# Upper Aquifer Monitoring Well: MW15

**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 | BDL | BDL |
| November-98 | | |
| March-99 | | |
| October-99 | | |

BDL = Below the Detection Limit



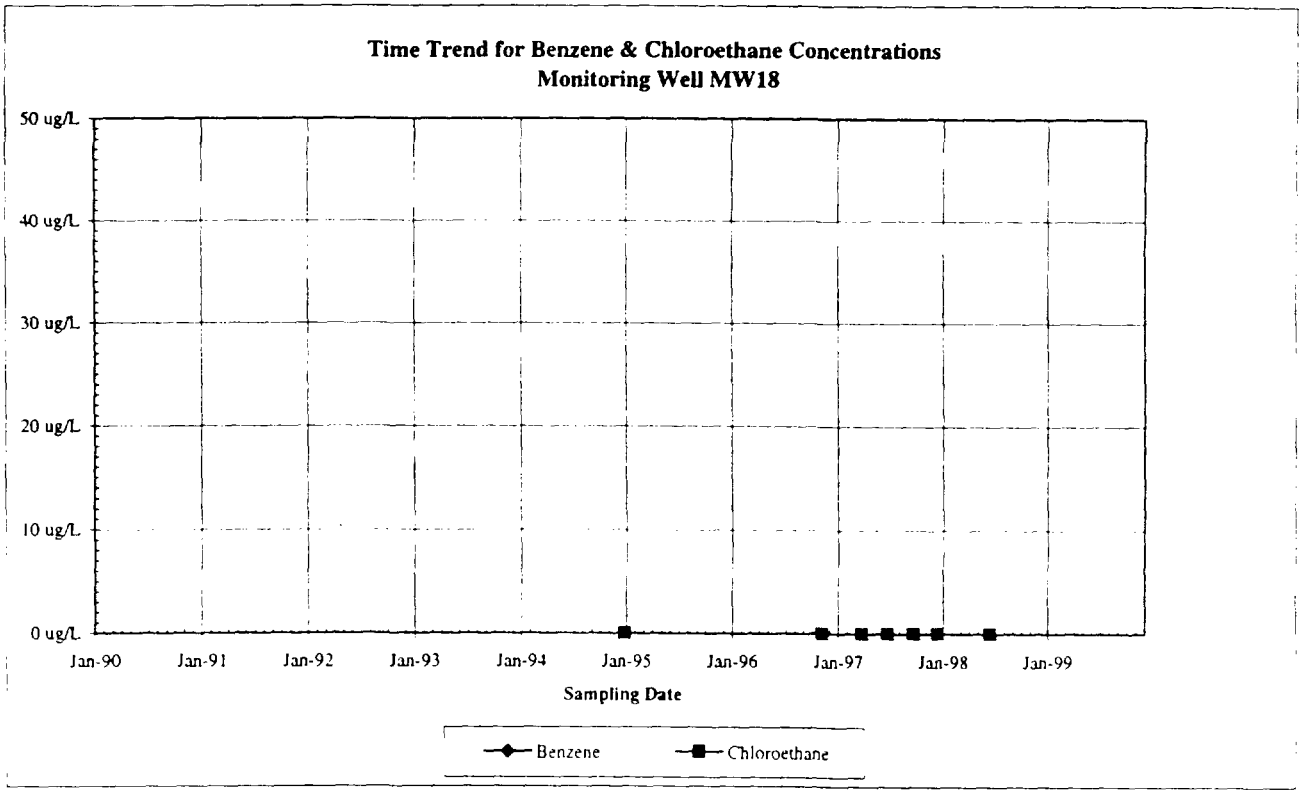
# Upper Aquifer Monitoring Well: MW18

**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 | BDL | BDL |
| November-98 | | |
| March-99 | | |
| October-99 | | |

BDL = Below the Detection Limit



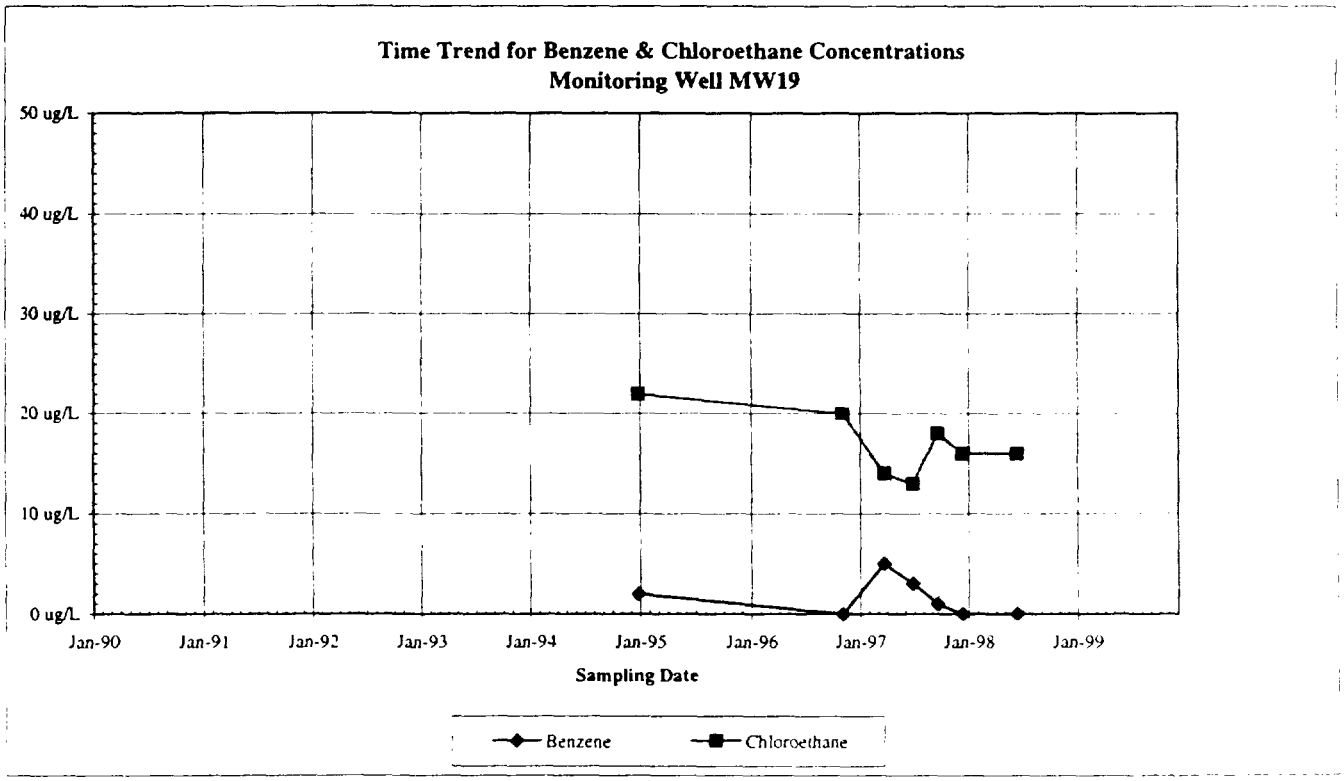
# Upper Aquifer Monitoring Well: MW19

**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 | BDL | 16 ug/L |
| November-98 | | |
| March-99 | | |
| October-99 | | |

BDL = Below the Detection Limit

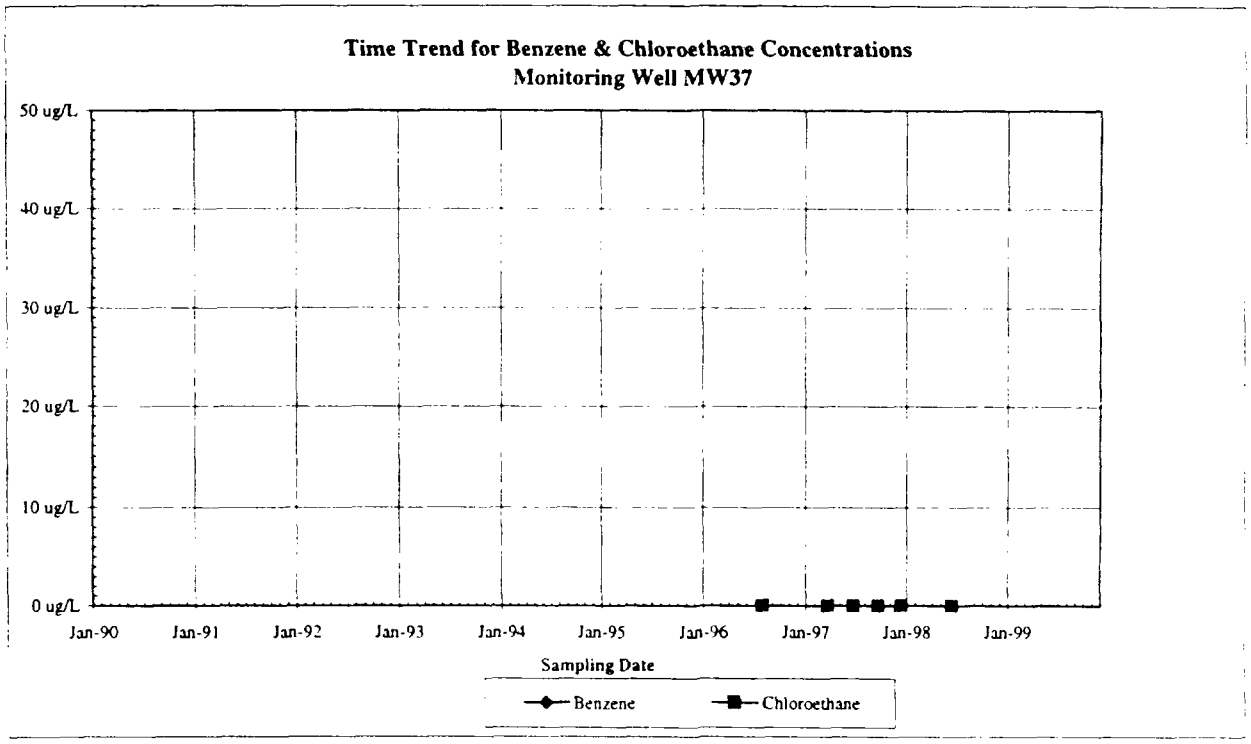


**Baseline Groundwater Monitoring**
ACS NPL Site

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 | BDL | BDL |
| November-98 | | |
| March-99 | | |
| October-99 | | |

BDL = Below the Detection Limit

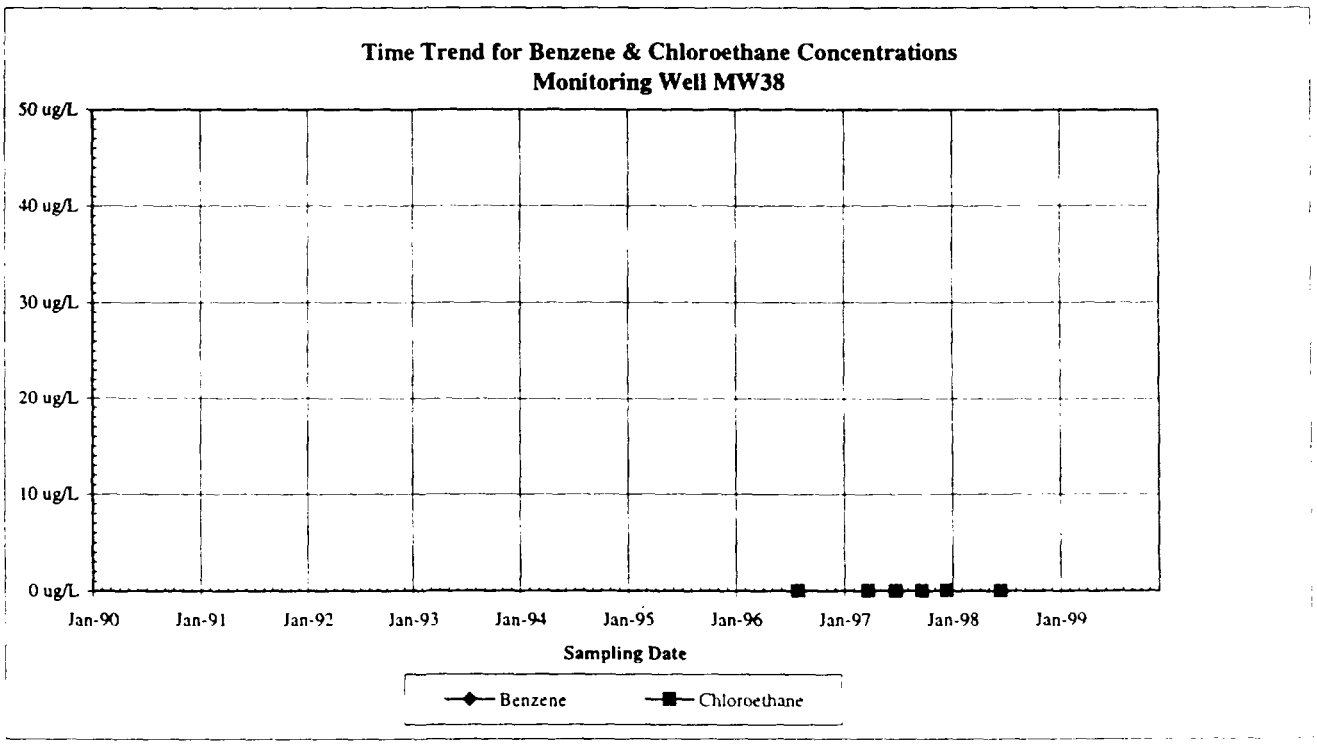


**Baseline Groundwater Monitoring**
ACS NPL Site

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 | BDL | BDL |
| November-98 | | |
| March-99 | | |
| October-99 | | |

BDL = Below the Detection Limit



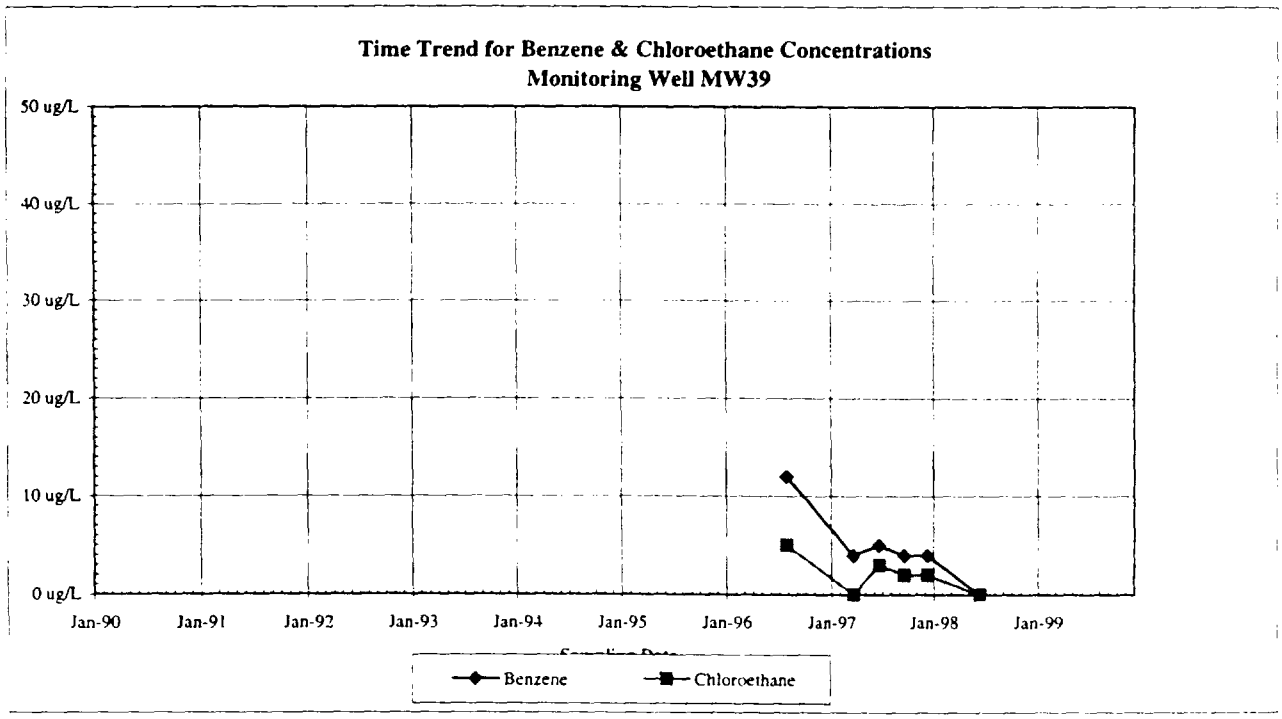
Upper Aquifer Monitoring Well: MW39

**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 | BDL | BDL |
| November-98 | | |
| March-99 | | |
| October-99 | | |

BDL = Below the Detection Limit

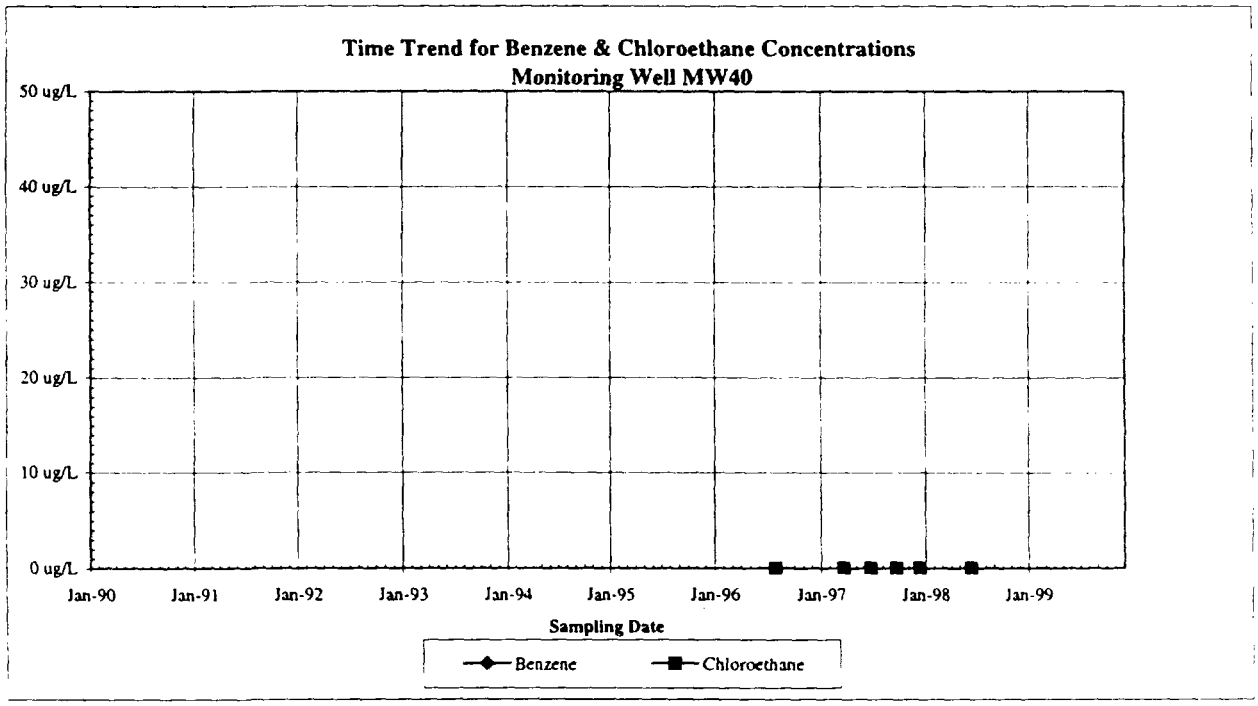


**Baseline Groundwater Monitoring**
ACS NPL Site

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 | BDL | BDL |
| November-98 | | |
| March-99 | | |
| October-99 | | |

BDL = Below the Detection Limit



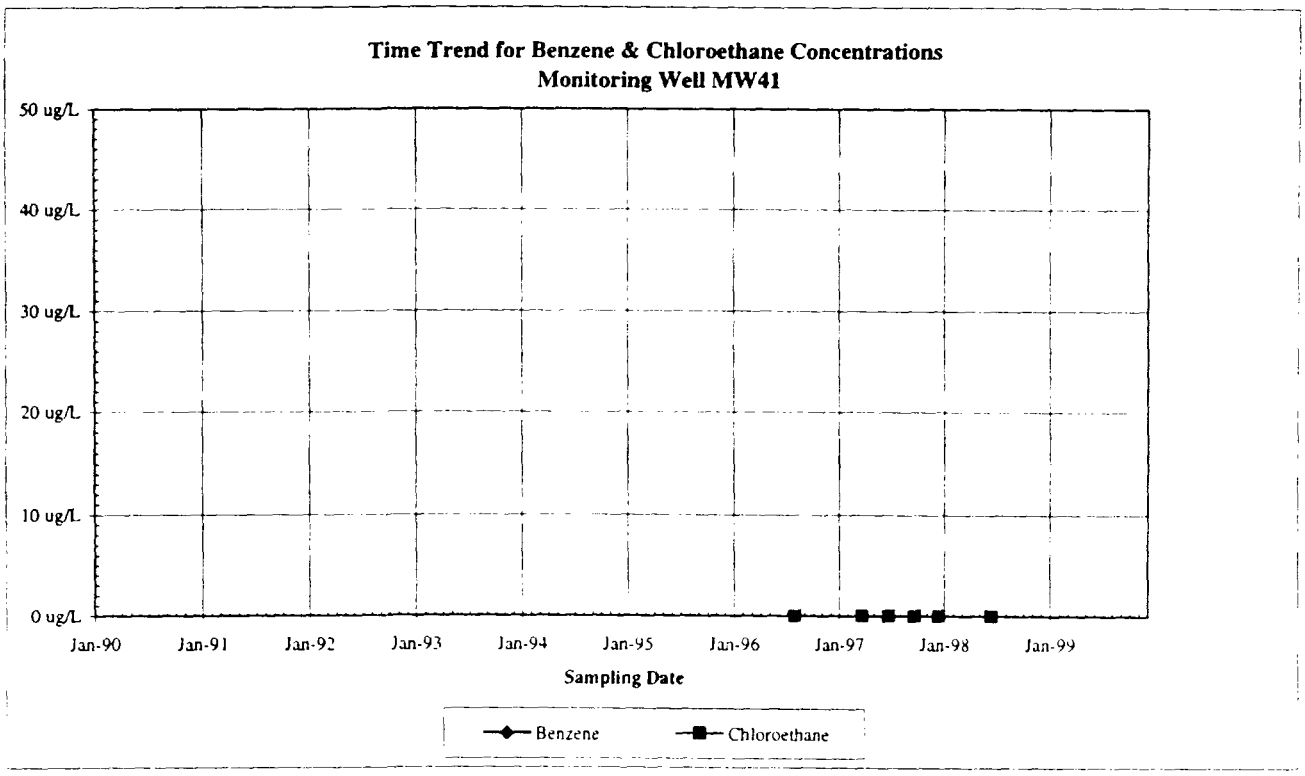
# Upper Aquifer Monitoring Well: MW41

**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 | BDL | BDL |
| November-98 | | |
| March-99 | | |
| October-99 | | |

BDL = Below the Detection Limit



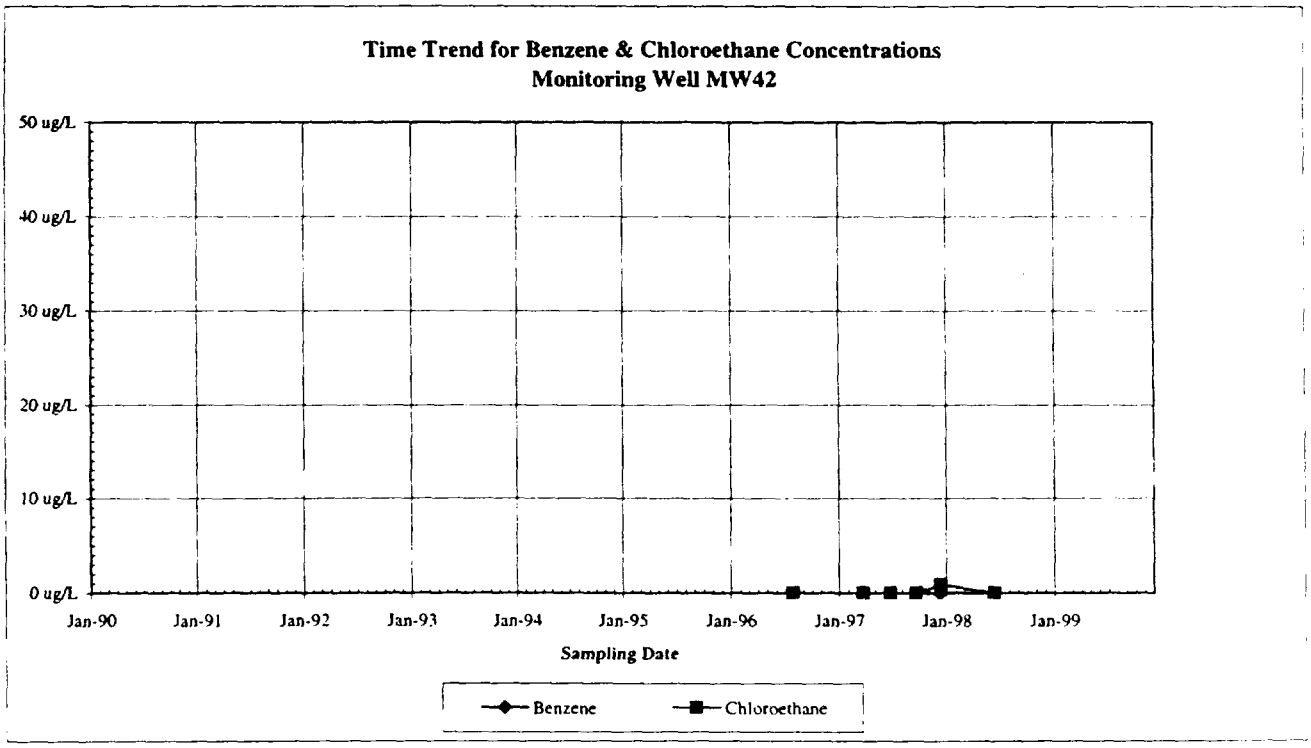
# Upper Aquifer Monitoring Well: MW42

**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 | BDL | BDL |
| November-98 | | |
| March-99 | | |
| October-99 | | |

BDL = Below the Detection Limit



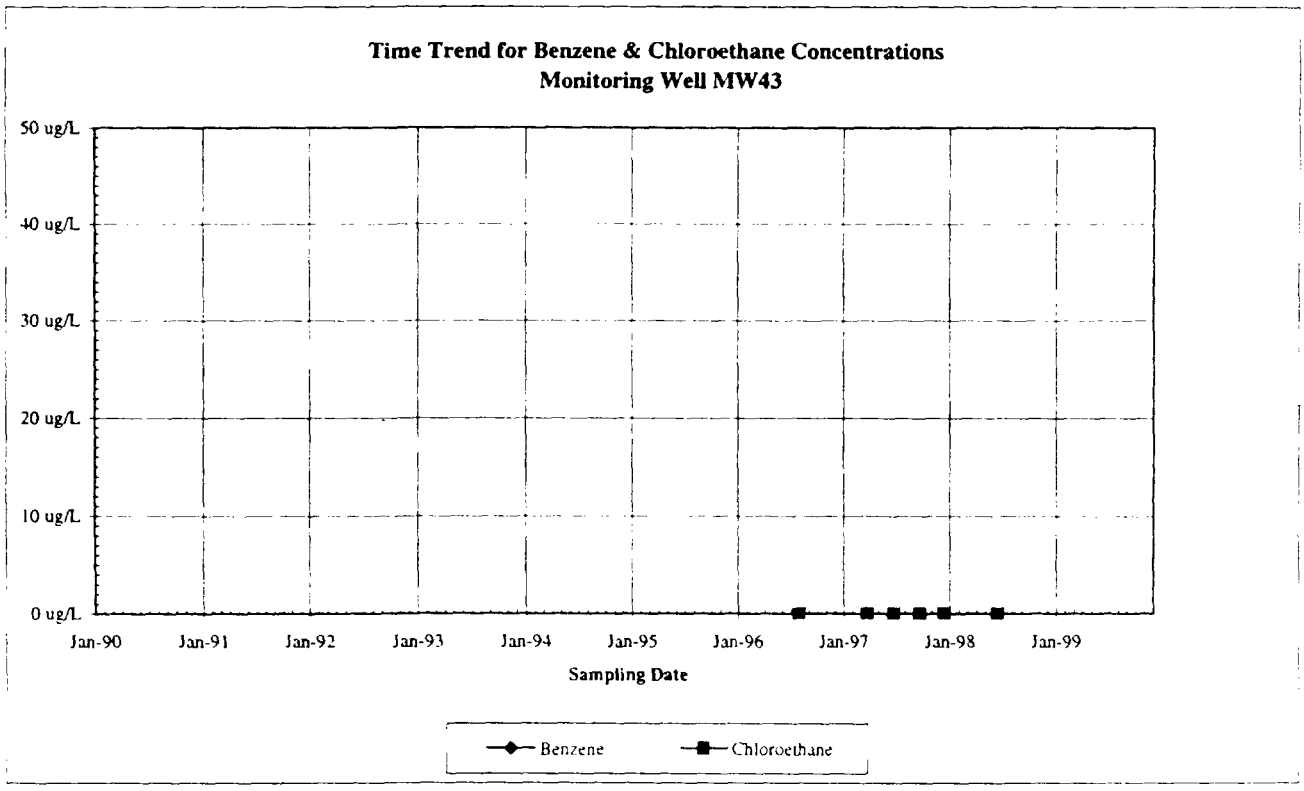
# Upper Aquifer Monitoring Well: MW43

**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 | BDL | BDL |
| November-98 | | |
| March-99 | | |
| October-99 | | |

BDL = Below the Detection Limit



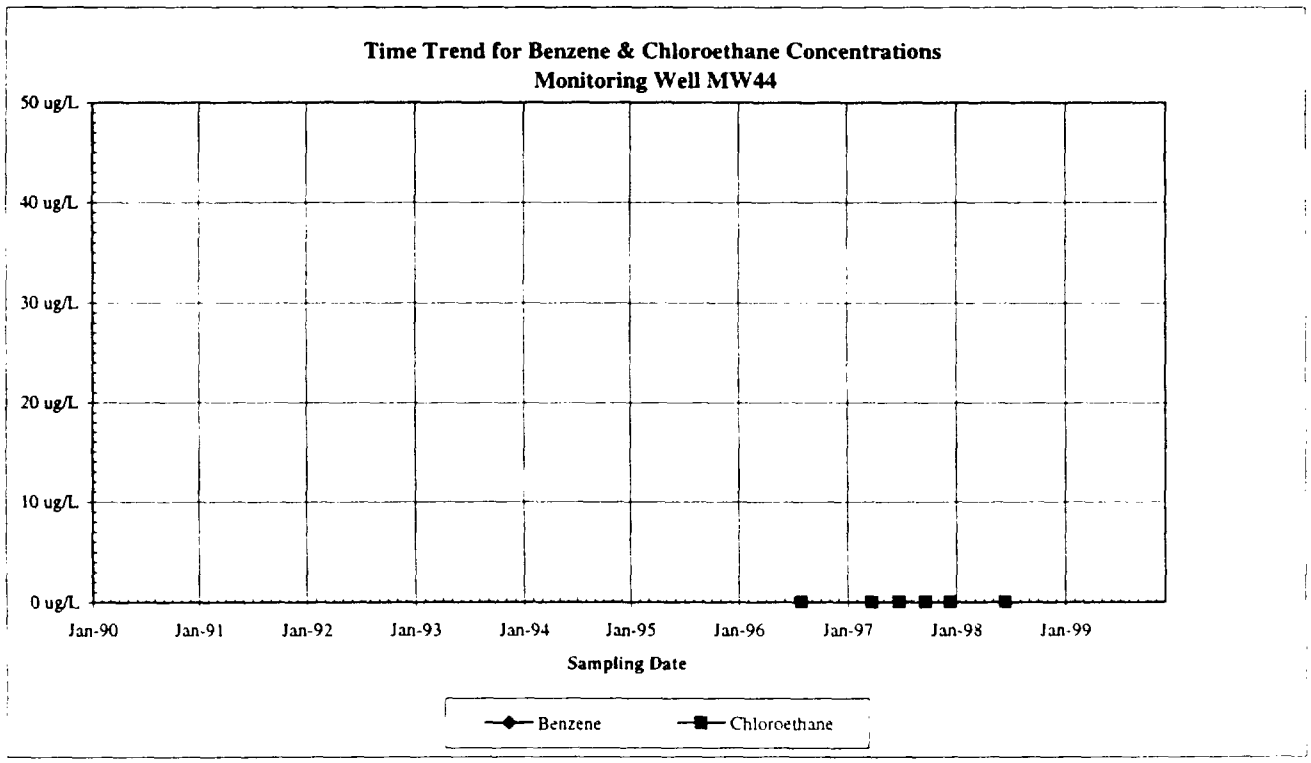
# Upper Aquifer Monitoring Well: MW44

**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 | BDL | BDL |
| November-98 | | |
| March-99 | | |
| October-99 | | |

BDL = Below the Detection Limit



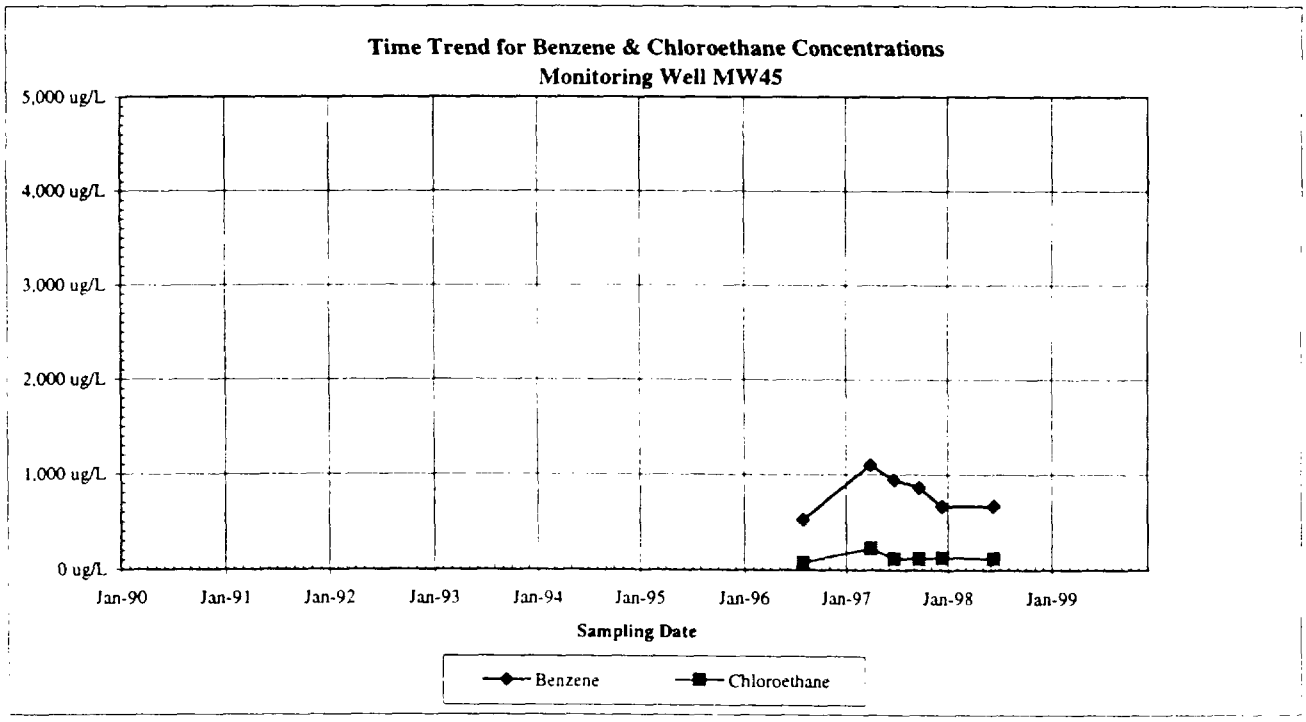
# Upper Aquifer Monitoring Well: MW45

**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 | 670 ug/L | 120 ug/L |
| November-98 | | |
| March-99 | | |
| October-99 | | |

BDL = Below the Detection Limit



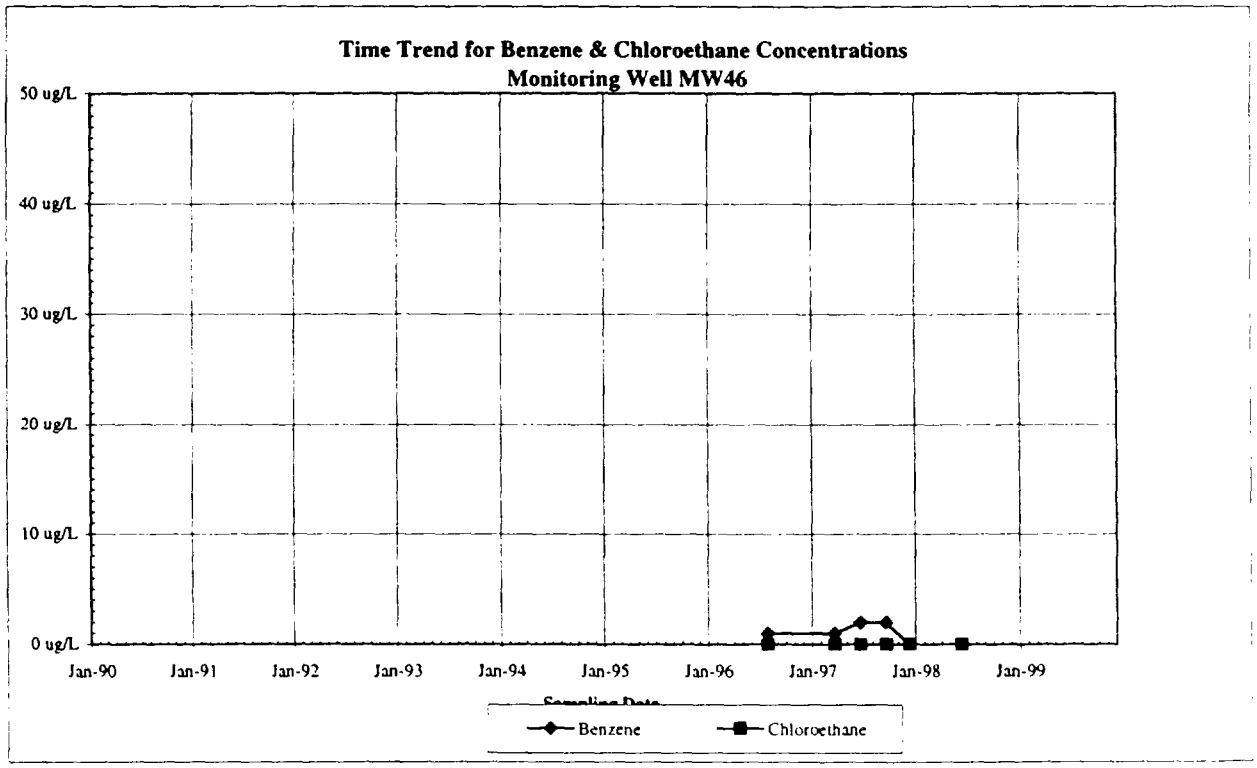
Upper Aquifer Monitoring Well: MW46

**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 | BDL | BDL |
| November-98 | | |
| March-99 | | |
| October-99 | | |

BDL = Below the Detection Limit



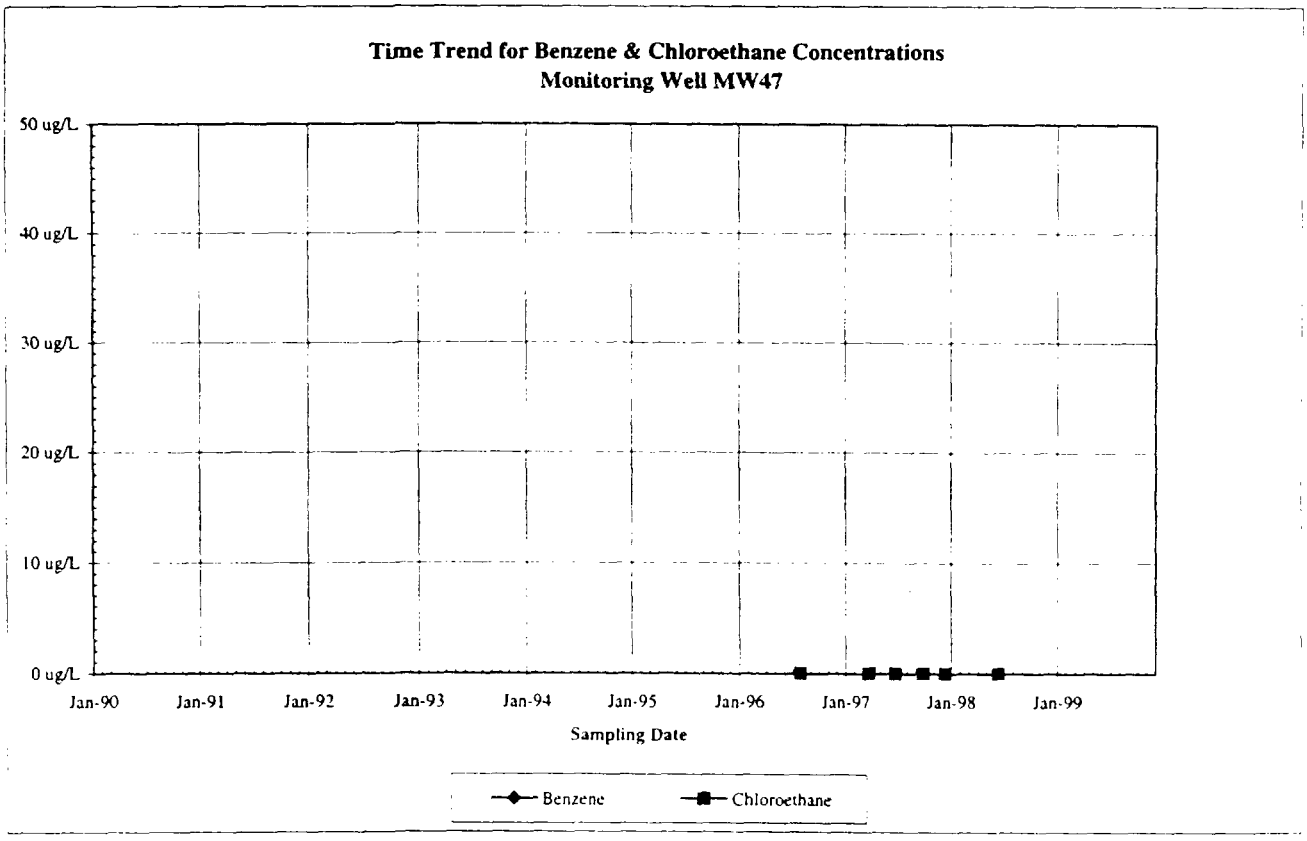
# Upper Aquifer Monitoring Well: MW47

**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 | BDL | BDL |
| November-98 | | |
| March-99 | | |
| October-99 | | |

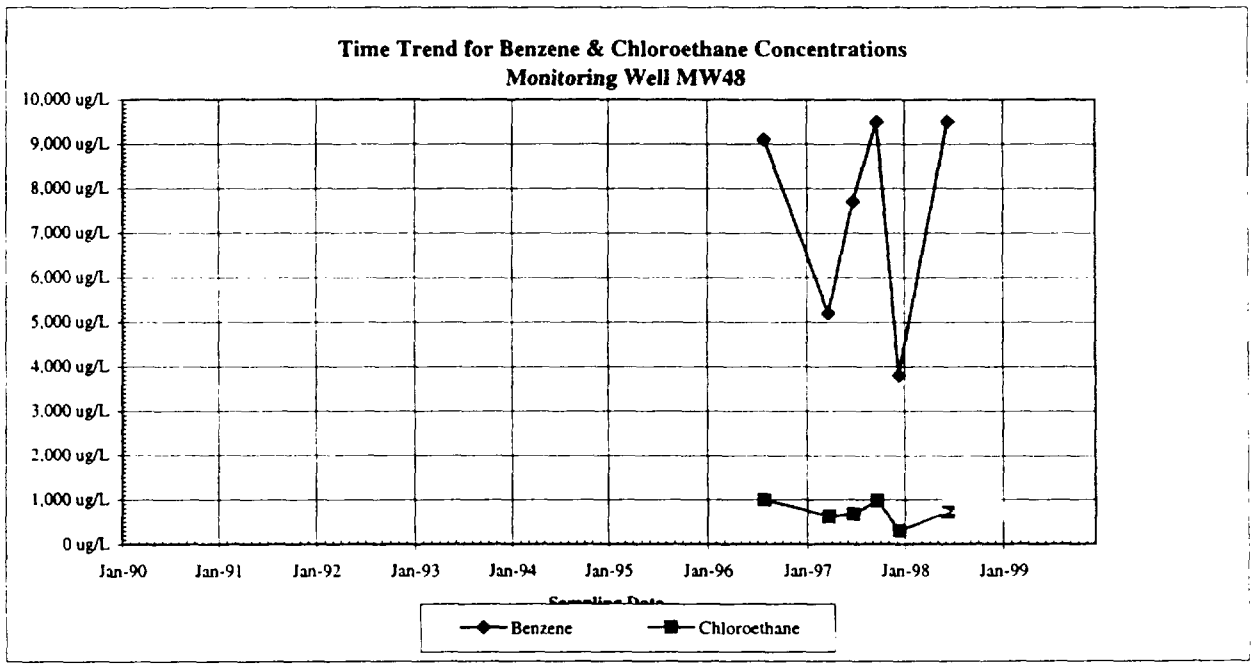
BDL = Below the Detection Limit



**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 | 9,500 ug/L | 720 ug/L |
| November-98 | | |
| March-99 | | |
| October-99 | | |



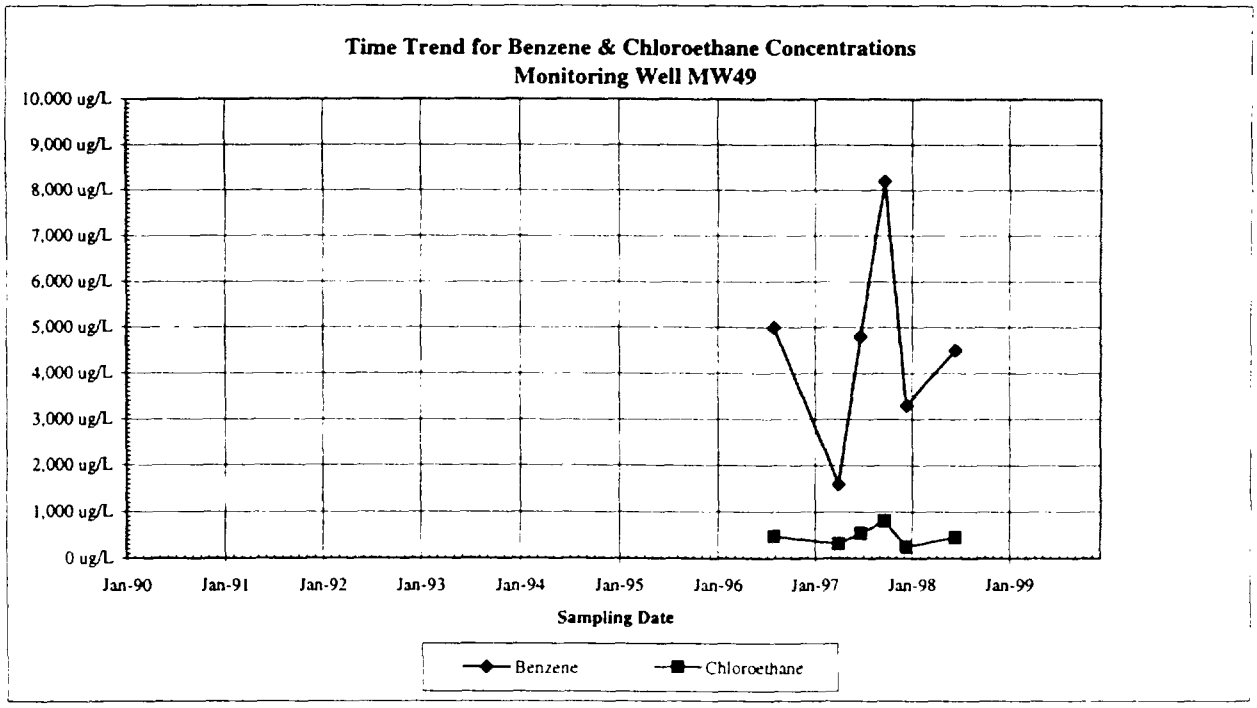
Upper Aquifer Monitoring Well: MW49

**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 | 4,500 ug/L | 450 ug/L |
| November-98 | | |
| March-99 | | |
| October-99 | | |

BDL = Below the Detection Limit



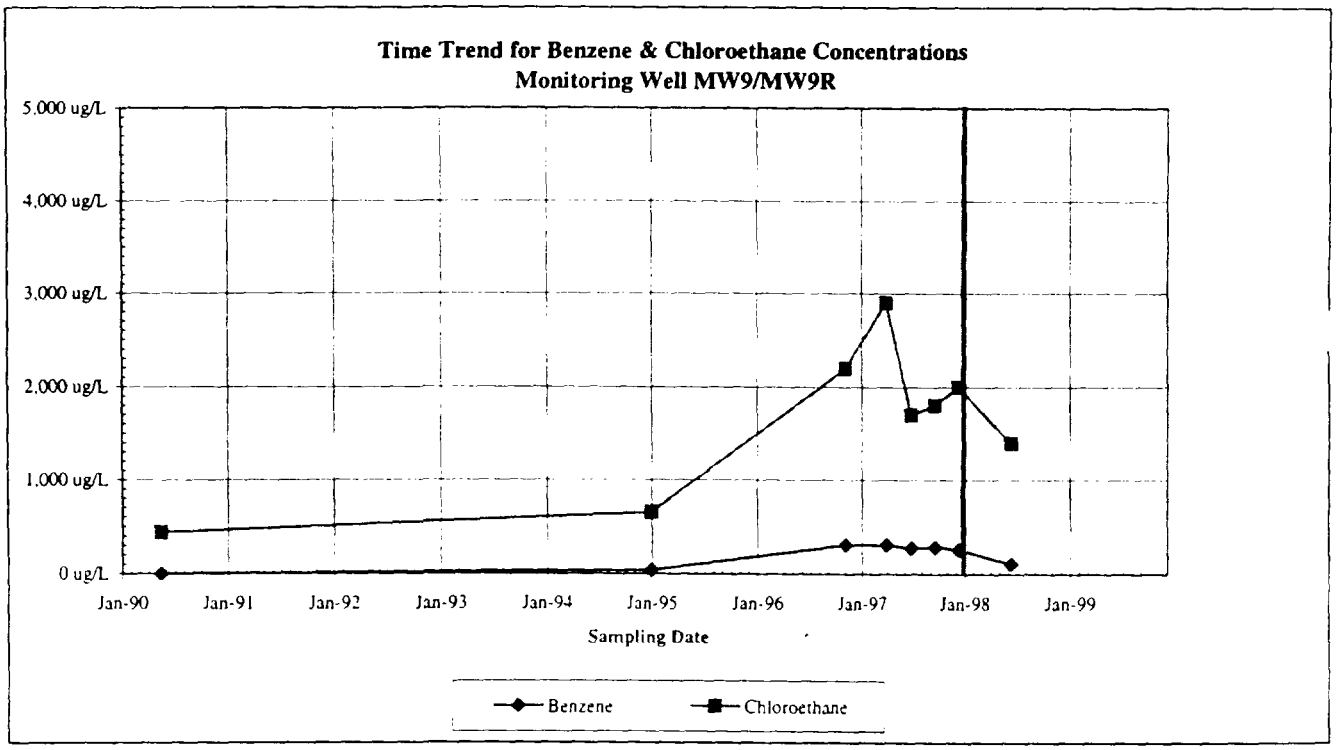
# Lower Aquifer Monitoring Well: MW9/MW9R

**Baseline Groundwater Monitoring**
ACS NPL Site

MW9/MW9R

| 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 | 110 ug/L | 1,400 ug/L |
| November-98 | | |
| March-99 | | |
| October-99 | | |

BDL = Below the Detection Limit




Line indicates change to replacement well

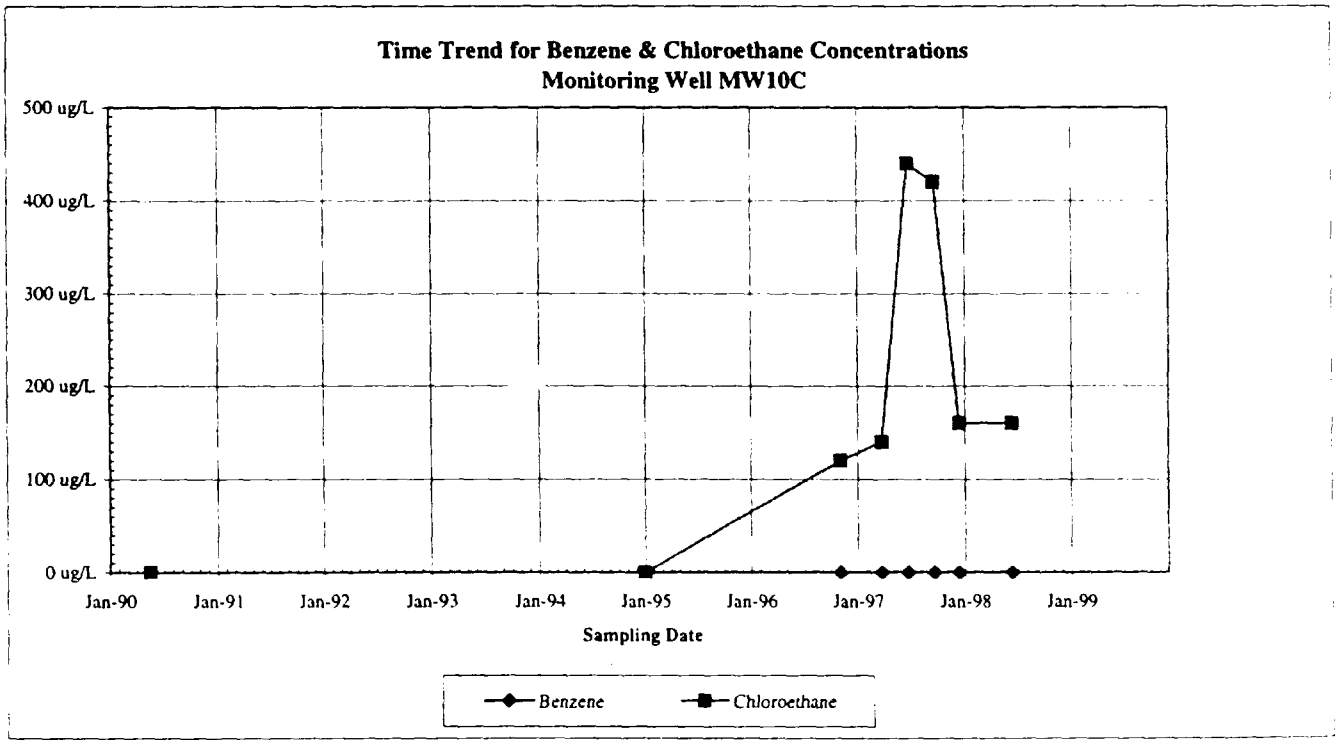
# Lower Aquifer Monitoring Well: MW10C

**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 | BDL | 160 ug/L |
| November-98 | | |
| March-99 | | |
| October-99 | | |

BDL = Below the Detection Limit



# APPENDIX C

## VALIDATION NARRATIVE AND LABORATORY REPORTS FROM UPPER AQUIFER

# SUMMARY OF ANALYTICAL DATA

Analytical data generated for the fifth round of groundwater monitoring well samples collected during June 1998 from the ACS Site in Griffith, Indiana has been computerized in a format organized to facilitate data review and evaluation. The results of the sampling and analysis are organized by sample type (i.e., groundwater), well, and by analytical method (VOCs, SVOCs, Pesticide/PCBs, total metals and indicators). All compounds included in the analysis are presented for each sample. Each sample has any detected concentrations, the laboratory qualifier/data validation qualifier, and the reported detection limit. A blank in the concentration location indicates the compound was not detected, as shown by the lab and data validation qualifiers.

## SUMMARY OF DATA QUALIFIER DEFINITIONS

Laboratory qualified data are flagged by the performing laboratory. Data may be further qualified by Montgomery Watson personnel during the data validation process. Data qualifiers are letter or symbol codes as outlined below. If data are qualified, the qualifiers are presented with results. The laboratory qualifiers (LQ) and data validation qualifiers (DVQ) are presented with the data, separated by a "/".

### Laboratory Qualifier Definitions

The following qualifiers were used by laboratories performing the various analyses. The qualifiers defined below are presented in the "LQ" column adjacent to the result. Note: all possible relevant qualifiers potentially used by the laboratory for metals, VOC, and SVOC analysis are included here for reference, whether they apply to these specific results or not.

The laboratory-provided qualifiers will include:

- Non-detects
- Concentration below required detection limit
- Estimated concentration due to poor QC data
- Concentration of chemical also found in the laboratory blank.

### Laboratory Qualifiers for Organic Analysis

- U - Indicates the compound was analyzed for, but was not detected. The sample quantitation limit is corrected for dilution and, in the case of soil samples, for percent moisture.

- J - The associated numerical value is an estimated quantity, because the value was less than the CRQL. TICs are flagged as estimated (J).

- N - Indicates presumptive evidence of a compound. This flag is only used for TICs where a specific compound identification is based on a mass spectral library search.

- B - This flag is used when the compound is found in the associated blank as well as in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action. (note the difference between the 'B' lab qualifier for organics and inorganics).

- E - This flag identifies a compound where the concentration exceeded the calibration range of the instrument for that specific analysis. If one or more compounds have a response greater than full scale, the sample or extract must be diluted and re-analyzed. If the dilution of the extract cause any compounds identified in the first analysis to be below the calibration range in the second analysis, then the results of both analyses are reported.

- D - This flag identifies a compound that was identified in an analysis at a secondary dilution factor.

- P - This flag is used for a pesticide/PCB target compound when there is greater than 25% difference for the detected concentrations between the two GC columns. The lower of the two values is reported.

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

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

- X - X, Y, and Z flags may be used by the laboratory to properly define the results. In this project, Z was used to indicate results that were reported but considered by the laboratory to be a false positive.

**Laboratory Qualifiers for Inorganic Analyses**

- B - This flag is applied to a value greater than or equal to the instrument detection limit (IDL), but less than the Practical Quantitation Limit (PQL). (Note: the "B" laboratory qualifier for inorganics as defined by the EPA indicates the result is 'bracketed' by the IDL and CRDL. This laboratory qualifier does not indicate blank contamination for inorganic analyses.)

- U - Indicates analyte was analyzed for, but was not detected. The value reported is the instrument detection limit value (e.g., 10U).

- E - Indicates the value is estimated due to the presence of interference.

- S - Indicates the value was determined by the method of standard addition.
- M - Indicates duplicate injection precision for furnace analysis was not met.
- N - Indicates spike sample recovery was not within control limits.
- * - Indicates duplicate analysis was not within control limits.
- + - Indicates the correlation coefficient for method of standard addition was less than 0.995.
- W - Post-digestion spike for Furnace AA analysis was out of control limits (85-115%), while sample absorbence was less than 50% of spike absorbence.

**Data Validation Qualifier Definitions**

The data validation process was performed with specific project needs in mind. Data quality objectives and intended data usage, as outlined in the QAPP, were referred to. The data validation qualifiers defined below are presented with the data to the right of the slash mark ( / ) under the "LQ/DVQ" column.

The data validation/review qualifiers will indicate whether the data are,

- Usable as a quantitative concentration
- Usable with caution as an estimated concentration
- Unusable due to out-of-control QC results.

The following qualifiers were used by Montgomery Watson personnel in the validation of laboratory results. Field QC samples (trip blanks, field blanks, field duplicates) were also evaluated during the data validation process. Validation of organics data was performed using *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review*, U.S. EPA, February 1994. Inorganics data validation was performed using *USEPA Contract Laboratory Program National Functional Guideline for Inorganic Data Review*, U.S. EPA, February 1994. Based on comments received from the U.S.EPA Region 5 during September 1997, the fourth round of data was also evaluated based on the *Region 5 Standard Operating Procedure for Validation of CLP Organic Data* (2/97) and the *Region 5 Standard Operating Procedure for Validation of CLP Inorganic Data* (9/93).

**Data Validation Qualifiers for Organic Analyses**

- J - The associated numerical value is an estimated quantity, because quality control criteria were not met and/or because the value was less than the CRQL. TICs are flagged as estimated (J).

- U - Indicates compound was analyzed for, but was not detected. The associated value is the sample quantitation limit. The sample quantitation limit may be elevated due to contamination detected in laboratory blanks, field blanks, or, in the case of VOCs, trip blanks.

- UJ - Indicates the compound was analyzed for, but was not detected. The associated numerical value is an estimated quantitation limit.

- R - Quality control indicates the result is not usable (compound may or may not be present).

**Data Qualifiers for Inorganic Analyses**

- J - The associated numerical value is an estimated quantity because quality control criteria were not met (i.e., out of control (low or high) spike recoveries, interferences in serial dilution, or poor correlation coefficients).

- R - Quality control data indicates that the value is not usable (analyte may or may not be present).

- U - Indicates analyte was analyzed for, but was not detected. The associated value is the sample quantitation limit. The sample quantitation limit may be elevated due to contamination detected in laboratory blanks or field blanks.

- UJ - The analyte was analyzed for, but was not detected. The associate numerical value is an estimated quantitation limit.

## SUMMARY OF DATA VALIDATION QUALIFIED RESULTS

The fifth round of groundwater quality monitoring samples were analyzed by Quanterra Laboratories in Sacramento, California (All pesticide/PCBs analyses, and VOC analyses for SDGs 01 and 02) and St. Louis Missouri (all remaining parameters). Overall, Quanterra Laboratories experienced some difficulties with the analyses, and 34% of the data was qualified as estimated. Some specific concerns included:

1. VOC samples shipped by Quanterra from Missouri to California developed air bubbles during shipment, indicating the vials provided by the laboratory were of poor quality. Analytical results for all samples with air bubbles were qualified as estimated (UJ/J).
2. Several sample bottles were shipped by the Missouri lab to the Sacramento lab in error, and had to be shipped back. Samples were shipped between laboratories without custody seals.
3. Sample login and internal custody procedures appear lax, as shown by the SVOC sample GWMW15-05, which was run and reported by method 8270 instead of the CLP SOW. Results for this sample were qualified as estimated (UJ/J). While validated as useable, this analysis did not meet the technical requirements of the SOW.
4. While validated as usable, all pesticide/PCB analyses were not technically in conformance with the SOW method and should have been repeated, due to the instrument problems with the confirmation column. No confirmation column results were reported. These results were qualified as usable but estimated because no peaks were observed in the quantitation run within the retention time windows at concentrations greater than 50% of the CRQL.
5. No QC summary packages were provided with the four SDG reports.
6. Electronic data deliverables (EDD) for metals analyses reported the CRQLs instead of the required IDLs. The limits were corrected in the EDD by Montgomery Watson.

For a complete list of all qualified results, refer to the attached table.

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JAH/jah

# VALIDATION NARRATIVE

| | | | |
|---|---|---|---|
| **Project:** | ACS | **Analysis:** | INORGANICS |
| **Number:** | 1252042.221602 | **Matrix:** | Groundwater |
| | | Batch: | SDG-01 |
| Validated By: | JAH | Date: | 7-27-98 |

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This narrative covers the validation of 20 groundwater samples from ACS for CLP inorganic analysis by Quanterra laboratories - Missouri 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 cyanide AA calibration criteria (calibration/ICV/CCV) was acceptable. All mercury CV calibration criteria (calibration/ICV/CCV) were acceptable.

**Blanks** Initial, continuing, and prep blanks were analyzed, together with one 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).

**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 Duplicates** Lab duplicate results were within acceptable QC limits (± 20% RPD), except for cyanide, which was not analyzed.

**Matrix Spikes** All matrix spike recoveries and RPDs were within acceptable QC limits (75-125% recovery), except for cyanide, which was not analyzed.

**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 acceptable, with no significant instrument related problems observed.

**Additional Case Specific Problems** No additional problems were observed with this inorganics case, except that no QC summary package was recieved with this data, the electronic data deliverables reported CRDLs instead of IDLs, and no MS/Dup analysis was reported for Cyanide.

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# VALIDATION NARRATIVE

| | | | |
|---|---|---|---|
| **Project:** | ACS | **Analysis:** | INORGANICS |
| **Number:** | 1252042.221602 | **Matrix:** | Groundwater |
| | | Batch: | SDG-02 |
| Validated By: | JAH | Date: | 7-29-98 |

This narrative covers the validation of 20 groundwater samples from ACS for CLP inorganic analysis by Quanterra laboratories - Missouri 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 cyanide AA calibration criteria (calibration/ICV/CCV) was acceptable. All mercury CV calibration criteria (calibration/ICV/CCV) were acceptable.

**Blanks** Initial, continuing, and prep blanks were analyzed, together with one 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).

**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 Duplicates** Lab duplicate results were within acceptable QC limits (± 20% RPD), except for cyanide, which was not analyzed.

**Matrix Spikes** All matrix spike recoveries and RPDs were within acceptable QC limits (75-125% recovery), except for cyanide, which was not analyzed.

**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 manganese (E flag), which was qualified as estimated (J).

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

**Additional Case Specific Problems** No additional problems were observed with this inorganics case, except that no QC summary package was recieved with this data, the electronic data deliverables reported CRDLs instead of IDLs, and no MS/Dup analysis was reported for Cyanide.

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# VALIDATION NARRATIVE

| | | | |
|---|---|---|---|
| **Project:** | ACS Round 5 | **Analysis:** | INORGANICS |
| **Number:** | 1252042.221602 | **Matrix:** | Groundwater |
| | | Batch: | SDG-04 |
| Validated By: | JAH | Date: | 8-4-98 |

This narrative covers the validation of 5 groundwater samples from ACS for CLP inorganic analysis by Quanterra laboratories - Missouri 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 cyanide AA calibration criteria (calibration/ICV/CCV) was acceptable. All mercury CV calibration criteria (calibration/ICV/CCV) were acceptable.

**Blanks** Initial, continuing, and prep blanks were analyzed, together with one 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).

**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 Duplicates** Lab duplicate results were within acceptable QC limits (± 20% RPD), except for cyanide, which was not analyzed.

**Matrix Spikes** All matrix spike recoveries and RPDs were within acceptable QC limits (75-125% recovery), except for cyanide, which was not analyzed.

**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 manganese (E flag), which was qualified as estimated (J).

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

**Additional Case Specific Problems** No additional problems were observed with this inorganics case, except that no QC summary package was received with this data, and the electronic data deliverables reported CRDLs instead of IDLs.

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# VALIDATION NARRATIVE

**Project:** **ACS - Round 5**
**Number:** 1252042.221602

Validated By: JAH

**Analysis:** VOCs, SVOCs, PCBs
**Matrix:** Groundwater
**SDG:** 01
Date: 7-22-98

---

This narrative covers the validation of 20 groundwater samples from the ACS Site for CLP organic analysis by Quanterra Laboratories using CLP methodologies. VOC & Pesticides were performed at the Sacramento lab, while SVOCs were performed in Missouri. 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. 15 of 20 VOC samples were received with air bubbles in the vials. All analytical results for these samples are qualified as estimated ('J' or 'UJ') due to the potential loss of volatiles.

**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 for the quantitation column. No confirmation run was reported due to 'instrument problems'.

**Calibration**
All VOC calibration criteria was acceptable.
All SVOC CLP-SOW calibration criteria was acceptable. Sample MW15-05 was analyzed by method SW-846 8270 instead of by the SOW SVOC method. The 8270 method uses a linear curve instead of response factors. Because this method is not part of the QAPP, there are no project specific QC limits for this analysis. Results for this sample have been qualified as estimated ('J' or 'UJ') because of the change in methodology.
All pesticide quantitation-column calibration criteria were acceptable. No confirmation-column results were reported. Therefore, the technical acceptance criteria as specified in the SOW for the pesticide analysis was not met. However, because no pesticides/PCBs were detected in the quantitation run at concentrations greater than 50% of the CRQL, the laboratory felt justified in reporting the results without a confirmation run. All pesticide/PCB results are qualified as estimated ('J' or 'UJ') to indicate the analysis was not performed according to the method.

**Blanks** VOC method blanks, two trip blanks and one field blank were analyzed. The VOC method blanks contained 1,1-DCE at 1 ug/L and TICs. The trip blanks contained acetone (34-38 ug/L) and methylene chloride (7-8 ug/L) and TICs. The field blank contained

benzene (2 ug/L) and acetone (7 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 and one field blank were analyzed. The method blanks contained butylbenzyl phthalate (1 ug/L), phenol (4 ug/L), and a variety of TICs. The field blank contained bis(2-ethylhexyl)phthalate at 1 ug/L). 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 one field blank were analyzed. No compounds were reported as detected.

**Surrogates** All VOC surrogate recoveries were within QC limits.
All SVOC surrogate recoveries were within QC limits.
All quantitation-column pesticide/PCB surrogate recoveries were within advisory QC limits.

**Matrix Spikes** All VOC matrix spike recoveries and RPDs were within acceptable QC limits. MS/MSD analysis was not performed on the SVOCs and pesticides. Instead, laboratory control spike analyses were performed. QC on the LCS analyses was acceptable.

**Field Duplicates** Field duplicate analysis was performed on ACS-GWMW42-05. VOCs and pesticides were not detected in these samples. SVOC field duplicate results for diethylphthalate were less than 10 ug/L and 45 ug/L in the duplicate. Di-n-butylphthalate results were 1 and 2 ug/L, respectively. Although not detected in the blanks, the diethylphthtalate is likely due to sample contamination. No other detects were reported.

**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 and baseline resolution criteria on the quantitation column was acceptable. As stated above, no confirmation run was reported.

**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 quantitation run florisil and GPC cleanup check results were within acceptable QC limits. No pesticide confirmation run was reported.

**Sample Results** Overall data quality by the laboratory was marginal:

- VOC sample vials provided by the laboratory would not seal properly, as shown by both the trip blanks prepared in the lab and samples prepared in the field.

- Several sample bottles were shipped by the Missouri lab to the Sacramento lab in error, and had to be shipped back. Samples were shipped between laboratories without custody seals.
- Sample login and internal custody procedures appear lax, as shown by the SVOC sample run and reported by method 8270 instead of the CLP SOW. While validated as useable, this analysis did not meet the technical requirements of the SOW.
- While validated as usable, the entire pesticide/PCB analysis was not technically in conformance with the SOW method and should have been repeated, due to the instrument problems with the confirmation column. Discrepancies between the instrument run log and Form VIII-Pest (Pesticide Analytical Sequence) were observed.
- No QC summary package was provided with the report.

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# VALIDATION NARRATIVE

| | |
|---|---|
| **Project: ACS - Round 5** | **Analysis:** VOCs, SVOCs, PCBs |
| **Number:** 1252042.221602 | **Matrix:** Groundwater |
| | **SDG:** 02 |
| Validated By: JAH | Date: 7-31-98 |

This narrative covers the validation of 20 groundwater samples from the ACS Site for CLP organic analysis by Quanterra Laboratories using CLP methodologies. VOC & Pesticides were performed at the Sacramento lab, while SVOCs were performed in Missouri. 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. 16 of 20 VOC samples were received with air bubbles in the vials. The air bubbles were due to low quality VOA vials. All analytical results for these samples are qualified as estimated ('J' or 'UJ') due to the potential loss of volatiles.

**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 for the quantitation columns. No confirmation run was reported due to 'instrument problems'.

**Calibration**
All VOC calibration criteria was acceptable.
All SVOC CLP-SOW calibration criteria was acceptable.
All pesticide quantitation-column calibration criteria were within acceptable validation criteria. No confirmation-column results were reported. Therefore, the technical acceptance criteria as specified in the SOW for the pesticide analysis was not met. However, because no pesticides/PCBs were detected in the quantitation run at concentrations greater than 50% of the CRQL, the laboratory felt justified in reporting the results without a confirmation run. All pesticide/PCB results are qualified as estimated ('J' or 'UJ') to indicate the analysis was not performed according to the method.

**Blanks** VOC method blanks, two trip blanks and one field blank were analyzed. The VOC method blanks contained 1,1-DCE (1 ug/L), TCE (1 ug/L), and TICs. The trip blanks contained 1,1-DCE (1 ug/L), acetone (29-38 ug/L) and methylene chloride (9-10 ug/L) and TICs. The field blank contained 1,1-DCE (1 ug/L) methylene chloride (1 ug/L), and chloroform (1 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 and one field blank were analyzed. The method blanks contained butylbenzyl phthalate (1 ug/L), phenol (3 ug/L), and a variety of TICs. The field blank contained bis(2-ethylhexyl)phthalate (1 ug/L). 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 one field blank were analyzed. No compounds were reported as detected.

**Surrogates** All VOC surrogate recoveries were within QC limits.
All SVOC surrogate recoveries were within QC limits.
All quantitation-column pesticide/PCB surrogate recoveries were within advisory QC limits.

**Matrix Spikes** MS/MSD analysis was performed on MW51-05. All VOC matrix spike recoveries and RPDs were within acceptable QC limits. MS/MSD analysis was not performed on the cyanide sample, due to loss of the distillate. Instead, laboratory control spike analyses were performed. QC on the LCS analyses was acceptable.

**Field Duplicates** Field duplicate analysis was performed on ACS-GWMW23 and ACS-GWMW24. VOCs, SVOC, and pesticides duplicate QC was acceptable in these samples.

**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 and baseline resolution criteria on the quantitation column was acceptable. As stated above, no confirmation run was reported.

**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 quantitation run florisil and GPC cleanup check results were within acceptable QC limits. No pesticide confirmation run was reported.

**Sample Results** Overall data quality by the laboratory was marginal:

- VOC sample vials provided by the laboratory would not seal properly, as shown by both the trip blanks prepared in the lab and samples prepared in the field.
- While validated as usable, the entire pesticide/PCB analysis was not technically in conformance with the SOW method and should have been repeated, due to the instrument problems with the confirmation column. Discrepancies between the instrument run log and Form VIII-Pest (Pesticide Analytical Sequence) were observed.
- No QC summary package was provided with the report.

JAH/jah
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# VALIDATION NARRATIVE

| | |
|---|---|
| **Project:** ACS - Round 5 | **Analysis:** VOCs, SVOCs, PCBs |
| **Number:** 1252042.221602 | **Matrix:** Groundwater |
| | **SDG:** 04 |
| Validated By: JAH | Date: 8-3-98 |

This narrative covers the validation of 7 groundwater samples from the ACS Site for CLP organic analysis by Quanterra Laboratories using CLP methodologies. Pesticide analysis was performed at the Sacramento lab, while VOCs and SVOCs were performed in Missouri. 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, with the exception of the re-analysis of VOCs MW14-05 and TB07-05. Results were qualified as estimated.

Pesticide/PCB samples were shipped from the Missouri lab to the Sacramento lab, where they were received at a temperature of 13-15° C. Results for all pesticide/PCB samples have been qualified as estimated.

**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, and florisil cartridge check QC criteria was acceptable for the quantitation columns. No confirmation run was reported due to 'instrument problems'.

**Calibration**
All VOC calibration criteria was acceptable.
All SVOC CLP-SOW calibration criteria was acceptable.
All pesticide quantitation-column calibration criteria were within acceptable validation criteria. No confirmation-column results were reported. Therefore, the technical acceptance criteria as specified in the SOW for the pesticide analysis was not met. However, because no pesticides/PCBs were detected in the quantitation run at concentrations greater than 50% of the CRQL, the laboratory felt justified in reporting the results without a confirmation run. All pesticide/PCB results are qualified as estimated ('J' or 'UJ') to indicate the analysis was not performed according to the method.

**Blanks** VOC method blanks, two trip blanks and one field blank were analyzed. The VOC method blanks contained methylene chloride (4-20 ug/L), acetone (13-40 ug/L), and TICs. The trip blanks contained methylene chloride (2-7 ug/L), acetone (6 ug/L) and TICs. The field blank contained methylene chloride (4 ug/L), and TICs. Sample results were qualified using the 5x/10x rule as undetected at the sample result or the CRQL, whichever was

greater. The re-analysis of TB06 also contained chloromethane (2 ug/L) and chloroethane (3 ug/L), both of which were not detected in the first analysis of TB06. Chloroethane was detected in sample MW10C (160 ug/L), run immediately before TB06 RE, indicating carryover problems.

SVOC method blanks and one field blank were analyzed. The method blank contained phenol (3 ug/L), and a variety of TICs. The field blank contained phenol (3 ug/L), and bis(2-ethylhexyl)phthalate (38 ug/L). 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 one field blank were analyzed. No compounds were reported as detected.

**Surrogates** All VOC surrogate recoveries were within QC limits, except for MW10C, MW14, MW49, TB06 and TB07. The out of control surrogate results were either high, or just below the low control limit, with 84-85% recovery (range 86-115%). No qualifiers were applied for this criteria.

All SVOC surrogate recoveries were within QC limits, except for MW14RI and MW49RI, which were repeated due to high internal standard results. Recoveries were high except for phenol-$d_5$ in MW49. These re-injection results were not used, as the original injections were reported.

All quantitation-column pesticide/PCB surrogate recoveries were within advisory QC limits.

**Matrix Spikes** MS/MSD analysis was performed on MW47-05. All matrix spike recoveries and RPDs 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 for MW14, MW49 and the LCS sample. IS recoveries for these samples were just out of the high control limit (207-247%, with range of 50-200%). Because the surrogate results were out for the re-injections of these samples, the original results were reported and qualified as estimated.

**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 and baseline resolution criteria on the quantitation column was acceptable. As stated above, no confirmation run was reported.

**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 quantitation run florisil cleanup results were within acceptable QC limits. No pesticide confirmation run was reported.

**Sample Results** Overall data quality by the laboratory was marginal:

- While validated as usable, the entire pesticide/PCB analysis was not technically in conformance with the SOW method and should have been repeated, due to the instrument problems with the confirmation column. Samples shipped between laboratories were inadequately cooled.
- No QC summary package was provided with the report.

JAH/jah
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWM1~~3~~5 S

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-004

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP2978

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: not dec. _____ Date Analyzed: 06/20/98

GC Column: RTX-502.2 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 |
|---|---|---|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | ~~UJ~~ 10 | U |
| 67-66-3 | Chloroform | UJ 1 | J |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 75-27-4 | Bromodichloromethane | UJ 1 | J |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | Trichloroethene | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 1330-20-7 | Xylenes (total) | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWM15~~5~~5

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-004

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP2978

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: not dec. _____ Date Analyzed: 06/20/98

GC Column: RTX-502.2 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 |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWM15-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-004

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2326

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: decanted: (Y/N) Date Extracted: 06/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

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 | U |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWM18-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-004

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2326

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: decanted: (Y/N) Date Extracted: 06/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | 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 | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 25 | 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-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

GWM1~~8~~S-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-004

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2326

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: decanted: (Y/N) Date Extracted: 06/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 16

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 2.52 | 30 | J |
| 2. | UNKNOWN | 3.49 | 2 | J |
| 3. | UNKNOWN | 10.21 | 5 | J |
| 4. | UNKNOWN | 10.30 | 5 | J |
| 5. | UNKNOWN | 14.78 | 2 | J |
| 6. | UNKNOWN | 15.74 | 3 | J |
| 7. | UNKNOWN | 18.98 | 4 | J |
| 8. | UNKNOWN | 20.78 | 2 | J |
| 9. | UNKNOWN | 20.96 | 5 | J |
| 10. | UNKNOWN | 21.12 | 14 | J |
| 11. | UNKNOWN | 23.31 | 5 | J |
| 12. | UNKNOWN | 24.14 | 2 | J |
| 13. | UNKNOWN | 27.03 | 2 | J |
| 14. | UNKNOWN | 27.20 | 3 | J |
| 15. | UNKNOWN | 27.33 | 3 | J |
| 16. | UNKNOWN | 27.52 | 4 | J |

ID

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW1~~B~~S-05

b Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99665 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 99665-10

Sample wt/vol: 980.0 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/10/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/30/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.051 | U |
| 319-85-7 | beta-BHC | 0.051 | U |
| 319-86-8 | delta-BHC | 0.051 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.051 | U |
| 76-44-8 | Heptachlor | 0.051 | U |
| 309-00-2 | Aldrin | 0.051 | U |
| 1024-57-3 | Heptachlor epoxide | 0.051 | U |
| 959-98-8 | Endosulfan I | 0.051 | U |
| 60-57-1 | Dieldrin | 0.10 | U |
| 72-55-9 | 4,4'-DDE | 0.10 | U |
| 72-20-8 | Endrin | 0.10 | U |
| 33213-65-9 | Endosulfan II | 0.10 | U |
| 72-54-8 | 4,4'-DDD | 0.10 | U |
| 1031-07-8 | Endosulfan sulfate | 0.10 | U |
| 50-29-3 | 4,4'-DDT | 0.10 | U |
| 72-43-5 | Methoxychlor | 0.51 | U |
| 53494-70-5 | Endrin ketone | 0.10 | U |
| 7421-93-4 | Endrin aldehyde | 0.10 | U |
| 5103-71-9 | alpha-Chlordane | 0.051 | U |
| 5103-74-2 | gamma-Chlordane | 0.051 | U |
| 8001-35-2 | Toxaphene | 5.1 | U |
| 12674-11-2 | Aroclor-1016 | 1.0 | U |
| 11104-28-2 | Aroclor-1221 | 2.0 | U |
| 11141-16-5 | Aroclor-1232 | 1.0 | U |
| 53469-21-9 | Aroclor-1242 | 1.0 | U |
| 12672-29-6 | Aroclor-1248 | 1.0 | U |
| 11097-69-1 | Aroclor-1254 | 1.0 | U |
| 11096-82-5 | Aroclor-1260 | 1.0 | U |

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWM15/5 05

Lab Name: QUANTERRA_MO_____ Contract: 707.03____
Lab Code: ITMO__ Case No.:_____ SAS No.:_____ SDG No.: ACS3_____
Matrix (soil/water): WATER Lab Sample ID: 18055-004
Level (low/med): LOW__ Date Received: 06/09/98
% 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 125 | B | | P |
| 7440-36-0 | Antimony_ | 45.7 | U | | P |
| 7440-38-2 | Arsenic__ | 1.9 | U | | P |
| 7440-39-3 | Barium__ | 518 | | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium__ | 4.6 | U | | P |
| 7440-70-2 | Calcium__ | 225000 | | | P |
| 7440-47-3 | Chromium_ | U 6.5 | B | | P |
| 7440-48-4 | Cobalt___ | U 5.6 | B | | P |
| 7440-50-8 | Copper___ | U 5.9 | B | | P |
| 7439-89-6 | Iron_____ | 22500 | | | P |
| 7439-92-1 | Lead_____ | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 80000 | | | P |
| 7439-96-5 | Manganese | 567 | | | P |
| 7439-97-6 | Mercury__ | 0.10 | U | | CV |
| 7440-02-0 | Nickel___ | 14.2 | U | | P |
| 7440-09-7 | Potassium | 35600 | | | P |
| 7782-49-2 | Selenium_ | 3.1 | U | | P |
| 7440-22-4 | Silver___ | 5.1 | U | | P |
| 7440-23-5 | Sodium___ | 93500 | | | P |
| 7440-28-0 | Thallium_ | 3.1 | U | | P |
| 7440-62-2 | Vanadium_ | U 12.9 | B | | P |
| 7440-66-6 | Zinc_____ | 75.8 | | | P |
| | Cyanide__ | 0.85 | U | | AS |

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWM35~~3~~05

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-005

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP2900

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: not dec. _____ Date Analyzed: 06/17/98

GC Column: RTX-502.2 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 |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | | 5 | J |
| 74-83-9 | Bromomethane | UJ | 10 | U |
| 75-01-4 | Vinyl Chloride | | 10 | U |
| 75-00-3 | Chloroethane | | 10 | U |
| 75-09-2 | Methylene Chloride | U | 4 | JB |
| 67-64-1 | Acetone | U | 6 | JB |
| 75-15-0 | Carbon Disulfide | | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | | 10 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | | 10 | U |
| 67-66-3 | Chloroform | | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | | 10 | U |
| 78-93-3 | 2-Butanone | | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 10 | U |
| 56-23-5 | Carbon Tetrachloride | | 10 | U |
| 75-27-4 | Bromodichloromethane | | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | | 10 | U |
| 79-01-6 | Trichloroethene | | 10 | U |
| 124-48-1 | Dibromochloromethane | | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 10 | U |
| 71-43-2 | Benzene | | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | | 10 | U |
| 75-25-2 | Bromoform | | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone | | 10 | U |
| 591-78-6 | 2-Hexanone | | 10 | U |
| 127-18-4 | Tetrachloroethene | | 10 | U |
| 108-88-3 | Toluene | | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 10 | U |
| 108-90-7 | Chlorobenzene | | 10 | U |
| 100-41-4 | Ethylbenzene | | 10 | U |
| 100-42-5 | Styrene | | 10 | U |
| 1330-20-7 | Xylenes (total) | | 10 | U |

1E

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWM3~~0~~5 05

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-005

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP2900

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: not dec. _____ Date Analyzed: 06/17/98

GC Column: RTX-502.2 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 |
|---|---|---|---|---|---|
| 1. | | | | | |
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWM35-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-005

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2327

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: decanted: (Y/N) Date Extracted: 06/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

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 | U |
| 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) | 3 | J |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWM35-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-005

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2327

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: decanted: (Y/N) Date Extracted: 06/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

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 | | 25 | U |
| 100-02-7 | 4-Nitrophenol | | 25 | 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 | | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | | 25 | 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 | | 25 | 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 | u | 1 | BJ |
| 117-84-0 | Di-n-Octyl Phthalate | | 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 |

(1) - Cannot be separated from Diphenylamine

1F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

GWM3~~8~~5-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-005

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2327

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: decanted: (Y/N) Date Extracted: 06/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 11

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 2.52 | 43 | J |
| 2. | UNKNOWN | 3.49 | 3 | J |
| 3. | UNKNOWN | 5.94 | 3 | J |
| 4. | UNKNOWN | 8.33 | 4 | J |
| 5. | UNKNOWN | 24.07 | 3 | J |
| 6. | UNKNOWN | 26.51 | 3 | J |
| 7. | UNKNOWN | 27.17 | 4 | J |
| 8. | UNKNOWN | 27.51 | 6 | J |
| 9. | UNKNOWN | 28.50 | 2 | J |
| 10. | UNKNOWN | 29.41 | 2 | J |
| 11. | UNKNOWN | 30.37 | 5 | J |

ID

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

~~EPA SAMPLE NO.~~

GWMW3~~8~~5-05

b Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99665 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 99665-11

Sample wt/vol: 1000 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/10/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/30/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | UJ 0.050 | U |
| 319-85-7 | beta-BHC | 0.050 | U |
| 319-86-8 | delta-BHC | 0.050 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.050 | U |
| 76-44-8 | Heptachlor | 0.050 | U |
| 309-00-2 | Aldrin | 0.050 | U |
| 1024-57-3 | Heptachlor epoxide | 0.050 | U |
| 959-98-8 | Endosulfan I | 0.050 | U |
| 60-57-1 | Dieldrin | 0.10 | U |
| 72-55-9 | 4,4'-DDE | 0.10 | U |
| 72-20-8 | Endrin | 0.10 | U |
| 33213-65-9 | Endosulfan II | 0.10 | U |
| 72-54-8 | 4,4'-DDD | 0.10 | U |
| 1031-07-8 | Endosulfan sulfate | 0.10 | U |
| 50-29-3 | 4,4'-DDT | 0.10 | U |
| 72-43-5 | Methoxychlor | 0.50 | U |
| 53494-70-5 | Endrin ketone | 0.10 | U |
| 7421-93-4 | Endrin aldehyde | 0.10 | U |
| 5103-71-9 | alpha-Chlordane | 0.050 | U |
| 5103-74-2 | gamma-Chlordane | 0.050 | U |
| 8001-35-2 | Toxaphene | 5.0 | U |
| 12674-11-2 | Aroclor-1016 | 1.0 | U |
| 11104-28-2 | Aroclor-1221 | 2.0 | U |
| 11141-16-5 | Aroclor-1232 | 1.0 | U |
| 53469-21-9 | Aroclor-1242 | 1.0 | U |
| 12672-29-6 | Aroclor-1248 | 1.0 | U |
| 11097-69-1 | Aroclor-1254 | 1.0 | U |
| 11096-82-5 | Aroclor-1260 | 1.0 | U |

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWM3~~3~~5 05

Lab Name: QUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix (soil/water): WATER Lab Sample ID: 18055-005

Level (low/med): LOW Date Received: 06/09/98

% 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 110 | B | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | u 4.7 | B | | P |
| 7440-39-3 | Barium | 157 | B | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 79200 | | | P |
| 7440-47-3 | Chromium | 2.1 | U | | P |
| 7440-48-4 | Cobalt | u 4.8 | B | | P |
| 7440-50-8 | Copper | 3.6 | U | | P |
| 7439-89-6 | Iron | 2820 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 27900 | | | P |
| 7439-96-5 | Manganese | 699 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 14900 | | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 60900 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | u 8.1 | B | | P |
| 7440-66-6 | Zinc | 14.5 | B | | P |
| | Cyanide | 0.85 | U | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWM4~~3~~5 05

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-001

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP2896

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: not dec. _____ Date Analyzed: 06/17/98

GC Column: RTX-502.2 ID: 0.53 (mm) Dilution Factor: 250.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | J | 960 | J |
| 74-83-9 | Bromomethane | UJ | 2500 | U |
| 75-01-4 | Vinyl Chloride | | 2500 | U |
| 75-00-3 | Chloroethane | | 2500 | U |
| 75-09-2 | Methylene Chloride | UJ | 1400 | JB |
| 67-64-1 | Acetone | UJ | 5800 | B |
| 75-15-0 | Carbon Disulfide | | 2500 | U |
| 75-35-4 | 1,1-Dichloroethene | | 2500 | U |
| 75-34-3 | 1,1-Dichloroethane | | 2500 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | | 2500 | U |
| 67-66-3 | Chloroform | | 2500 | U |
| 107-06-2 | 1,2-Dichloroethane | | 2500 | U |
| 78-93-3 | 2-Butanone | | 2500 | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 2500 | U |
| 56-23-5 | Carbon Tetrachloride | | 2500 | U |
| 75-27-4 | Bromodichloromethane | | 2500 | U |
| 78-87-5 | 1,2-Dichloropropane | | 2500 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | | 2500 | U |
| 79-01-6 | Trichloroethene | | 2500 | U |
| 124-48-1 | Dibromochloromethane | | 2500 | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 2500 | U |
| 71-43-2 | Benzene | | 2500 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | | 2500 | U |
| 75-25-2 | Bromoform | | 2500 | U |
| 108-10-1 | 4-Methyl-2-pentanone | | 2500 | U |
| 591-78-6 | 2-Hexanone | | 2500 | U |
| 127-18-4 | Tetrachloroethene | | 2500 | U |
| 108-88-3 | Toluene | | 2500 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 2500 | U |
| 108-90-7 | Chlorobenzene | | 2500 | U |
| 100-41-4 | Ethylbenzene | | 2500 | U |
| 100-42-5 | Styrene | | 2500 | U |
| 1330-20-7 | Xylenes (total) | | 2500 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWM4~~8~~5 S

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-001

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP2896

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: not dec. _____ Date Analyzed: 06/17/98

GC Column: RTX-502.2 ID: 0.53 (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 |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWM45-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-001

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2323

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: decanted: (Y/N) Date Extracted: 06/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

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 | U |
| 111-44-4 | bis(2-Chloroethyl)Ether | 96 | E |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE N

GWM45-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-001

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2323

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: decanted: (Y/N) Date Extracted: 06/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | 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 | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 25 | 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-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

1F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWM45-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-001

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2323

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: decanted: (Y/N) Date Extracted: 06/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 22

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 123911 | 1,4-Dioxane | 2.60 | 39 | JN |
| 2. | UNKNOWN | 7.04 | 13 | J |
| 3. | UNKNOWN | 7.24 | 7 | J |
| 4. 873949 | Cyclohexanone, 3,3,5-trimeth | 7.65 | 11 | JN |
| 5. | UNKNOWN | 7.91 | 10 | J |
| 6. | UNKNOWN | 9.20 | 33 | J |
| 7. | UNKNOWN | 9.42 | 240 | J |
| 8. | UNKNOWN | 9.47 | 66 | J |
| 9. | UNKNOWN | 9.53 | 100 | J |
| 10. | UNKNOWN | 9.66 | 280 | J |
| 11. | UNKNOWN | 9.79 | 25 | J |
| 12. | UNKNOWN | 11.26 | 26 | J |
| 13. | UNKNOWN | 11.87 | 38 | J |
| 14. | UNKNOWN | 12.09 | 26 | J |
| 15. 85449 | 1,3-Isobenzofurandione | 12.19 | 39 | JN |
| 16. | UNKNOWN | 13.16 | 33 | J |
| 17. | UNKNOWN | 13.54 | 14 | J |
| 18. | UNKNOWN | 13.84 | 20 | J |
| 19. | UNKNOWN | 14.61 | 22 | J |
| 20. | UNKNOWN | 14.79 | 26 | J |
| 21. | UNKNOWN | 14.90 | 14 | J |
| 22. 309433 | 5-ALLYL-5(1-METHYLBUTYL)BARB | 18.55 | 34 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWM4~~8~~S-05DL

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-001DL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7609

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: decanted: (Y/N) Date Extracted: 06/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/02/98

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 | 20 | U |
| 111-44-4 | bis(2-Chloroethyl)Ether | 85 | D |
| 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 | 50 | U |
| 91-58-7 | 2-Chloronaphthalene | 20 | U |
| 88-74-4 | 2-Nitroaniline | 50 | U |
| 131-11-3 | Dimethyl Phthalate | 20 | U |
| 208-96-8 | Acenaphthylene | 20 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 20 | U |
| 99-09-2 | 3-Nitroaniline | 50 | U |
| 83-32-9 | Acenaphthene | 20 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE N:

GWM45-05DL

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-001DL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7609

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: decanted: (Y/N) Date Extracted: 06/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/02/98

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 | 50 | U |
| 100-02-7 | 4-Nitrophenol | 50 | 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 | 50 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 50 | 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 | 50 | 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-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

GWM4~~8~~5-05DL

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-001DL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7609

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: decanted: (Y/N) Date Extracted: 06/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/02/98

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 22

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 5.34 | 22 | J |
| 2. | UNKNOWN | 5.67 | 59 | J |
| 3. | UNKNOWN | 6.82 | 130 | J |
| 4. 873949 | Cyclohexanone, 3,3,5-trimeth | 7.52 | 38 | JN |
| 5. | UNKNOWN | 7.92 | 27 | J |
| 6. | UNKNOWN | 8.14 | 29 | J |
| 7. | UNKNOWN | 8.94 | 500 | J |
| 8. | UNKNOWN | 9.22 | 740 | J |
| 9. | UNKNOWN | 9.39 | 20 | J |
| 10. | UNKNOWN | 10.43 | 27 | J |
| 11. | UNKNOWN | 10.95 | 55 | J |
| 12. | UNKNOWN | 11.57 | 30 | J |
| 13. | UNKNOWN | 11.64 | 58 | J |
| 14. | UNKNOWN | 11.96 | 37 | J |
| 15. | UNKNOWN | 12.52 | 20 | J |
| 16. | UNKNOWN | 12.90 | 36 | J |
| 17. | UNKNOWN | 13.33 | 13 | J |
| 18. | UNKNOWN | 13.57 | 24 | J |
| 19. | UNKNOWN | 14.59 | 12 | J |
| 20. | UNKNOWN | 14.72 | 10 | J |
| 21. 101100 | Propanoic acid, 2-(3-chlorop | 15.69 | 10 | JN |
| 22. | UNKNOWN | 18.43 | 29 | J |

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW4~~8~~5-05

Lab Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99665 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 99665-7

Sample wt/vol: 1040 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/10/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/30/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.048 | U |
| 319-85-7 | beta-BHC | 0.048 | U |
| 319-86-8 | delta-BHC | 0.048 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.048 | U |
| 76-44-8 | Heptachlor | 0.048 | U |
| 309-00-2 | Aldrin | 0.048 | U |
| 1024-57-3 | Heptachlor epoxide | 0.048 | U |
| 959-98-8 | Endosulfan I | 0.048 | U |
| 60-57-1 | Dieldrin | 0.096 | U |
| 72-55-9 | 4,4'-DDE | 0.096 | U |
| 72-20-8 | Endrin | 0.096 | U |
| 33213-65-9 | Endosulfan II | 0.096 | U |
| 72-54-8 | 4,4'-DDD | 0.096 | U |
| 1031-07-8 | Endosulfan sulfate | 0.096 | U |
| 50-29-3 | 4,4'-DDT | 0.096 | U |
| 72-43-5 | Methoxychlor | 0.48 | U |
| 53494-70-5 | Endrin ketone | 0.096 | U |
| 7421-93-4 | Endrin aldehyde | 0.096 | U |
| 5103-71-9 | alpha-Chlordane | 0.048 | U |
| 5103-74-2 | gamma-Chlordane | 0.048 | U |
| 8001-35-2 | Toxaphene | 4.8 | U |
| 12674-11-2 | Aroclor-1016 | 0.96 | U |
| 11104-28-2 | Aroclor-1221 | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | 0.96 | U |
| 53469-21-9 | Aroclor-1242 | 0.96 | U |
| 12672-29-6 | Aroclor-1248 | 0.96 | U |
| 11097-69-1 | Aroclor-1254 | 0.96 | U |
| 11096-82-5 | Aroclor-1260 | 0.96 | U |

UJ

U.S. EPA - CLP

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWM4~~6~~5 05

Lab Name: QUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix (soil/water): WATER Lab Sample ID: 18055-001

Level (low/med): LOW Date Received: 06/09/98

% 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 56.0 | B | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | U 4.8 | B | | P |
| 7440-39-3 | Barium | 519 | | | P |
| 7440-41-7 | Beryllium | U 0.88 | B | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 350000 | | | P |
| 7440-47-3 | Chromium | 2.1 | U | | P |
| 7440-48-4 | Cobalt | U 6.8 | B | | P |
| 7440-50-8 | Copper | 3.6 | U | | P |
| 7439-89-6 | Iron | 32700 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 45000 | | | P |
| 7439-96-5 | Manganese | 388 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 12700 | | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 91500 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | U 17.5 | B | | P |
| 7440-66-6 | Zinc | 65.0 | | | P |
| | Cyanide | U 3.3 | B | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWM45/95

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-002

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP2897

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: not dec. _____ Date Analyzed: 06/17/98

GC Column: RTX-502.2 ID: 0.53 (mm) Dilution Factor: 250.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 74-87-3 | Chloromethane | 1300 | J |
| 74-83-9 | Bromomethane | 2500 | U |
| 75-01-4 | Vinyl Chloride | 2500 | U |
| 75-00-3 | Chloroethane | 3400 | |
| 75-09-2 | Methylene Chloride | 1300 | JB |
| 67-64-1 | Acetone | 6400 | B |
| 75-15-0 | Carbon Disulfide | 2500 | U |
| 75-35-4 | 1,1-Dichloroethene | 2500 | U |
| 75-34-3 | 1,1-Dichloroethane | 2500 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 2500 | U |
| 67-66-3 | Chloroform | 2500 | U |
| 107-06-2 | 1,2-Dichloroethane | 2500 | U |
| 78-93-3 | 2-Butanone | 2500 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 2500 | U |
| 56-23-5 | Carbon Tetrachloride | 2500 | U |
| 75-27-4 | Bromodichloromethane | 2500 | U |
| 78-87-5 | 1,2-Dichloropropane | 2500 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 2500 | U |
| 79-01-6 | Trichloroethene | 2500 | U |
| 124-48-1 | Dibromochloromethane | 2500 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 2500 | U |
| 71-43-2 | Benzene | 2500 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 2500 | U |
| 75-25-2 | Bromoform | 2500 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 2500 | U |
| 591-78-6 | 2-Hexanone | 2500 | U |
| 127-18-4 | Tetrachloroethene | 2500 | U |
| 108-88-3 | Toluene | 2500 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 2500 | U |
| 108-90-7 | Chlorobenzene | 2500 | U |
| 100-41-4 | Ethylbenzene | 2500 | U |
| 100-42-5 | Styrene | 2500 | U |
| 1330-20-7 | Xylenes (total) | 2500 | U |

1E

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWM45~~3~~95

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-002

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP2897

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: not dec. _____ Date Analyzed: 06/17/98

GC Column: RTX-502.2 ID: 0.53 (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 |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWM4~~8~~5-95

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-002

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2324

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: decanted: (Y/N) Date Extracted: 06/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

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 | U |
| 111-44-4 | bis(2-Chloroethyl)Ether | 94 | E |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWM45-95

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-002

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2324

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: decanted: (Y/N) Date Extracted: 06/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | 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 | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 25 | 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-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

1F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

GWM4~~3~~5-95

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-002

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2324

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: decanted: (Y/N) Date Extracted: 06/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 22

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 2.59 | 30 | J |
| 2. | UNKNOWN | 5.78 | 6 | J |
| 3. | UNKNOWN | 5.98 | 7 | J |
| 4. | UNKNOWN | 6.19 | 8 | J |
| 5. | UNKNOWN | 7.03 | 12 | J |
| 6. | UNKNOWN | 7.23 | 7 | J |
| 7. | UNKNOWN | 7.66 | 12 | J |
| 8. | UNKNOWN | 7.92 | 10 | J |
| 9. | UNKNOWN | 9.40 | 620 | J |
| 10. | UNKNOWN | 9.48 | 150 | J |
| 11. | UNKNOWN | 9.64 | 330 | J |
| 12. | UNKNOWN | 9.78 | 25 | J |
| 13. | UNKNOWN | 11.46 | 23 | J |
| 14. | UNKNOWN | 11.88 | 32 | J |
| 15. | UNKNOWN | 12.09 | 25 | J |
| 16. | UNKNOWN | 12.19 | 36 | J |
| 17. | UNKNOWN | 13.16 | 32 | J |
| 18. | UNKNOWN | 13.84 | 18 | J |
| 19. | UNKNOWN | 14.61 | 19 | J |
| 20. | UNKNOWN | 14.80 | 23 | J |
| 21. | UNKNOWN | 14.91 | 14 | J |
| 22. | UNKNOWN | 18.56 | 33 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWM45-95DL

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-002DL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7610

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: decanted: (Y/N) Date Extracted: 06/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/02/98

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 | 20 | U |
| 111-44-4 | bis(2-Chloroethyl)Ether | 84 | D |
| 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 | 50 | U |
| 91-58-7 | 2-Chloronaphthalene | 20 | U |
| 88-74-4 | 2-Nitroaniline | 50 | U |
| 131-11-3 | Dimethyl Phthalate | 20 | U |
| 208-96-8 | Acenaphthylene | 20 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 20 | U |
| 99-09-2 | 3-Nitroaniline | 50 | U |
| 83-32-9 | Acenaphthene | 20 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWM4~~8~~5-95DL

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-002DL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7610

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: decanted: (Y/N) Date Extracted: 06/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/02/98

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 | 50 | U |
| 100-02-7 | 4-Nitrophenol | 50 | 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 | 50 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 50 | 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 | 50 | 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-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

1F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

GWM4~~8~~5-95DL

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-002DL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7610

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: decanted: (Y/N) Date Extracted: 06/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/02/98

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 22

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 5.35 | 18 | J |
| 2. | UNKNOWN | 5.57 | 21 | J |
| 3. | UNKNOWN | 5.67 | 29 | J |
| 4. | UNKNOWN | 6.78 | 57 | J |
| 5. | UNKNOWN | 7.52 | 30 | J |
| 6. | UNKNOWN | 7.83 | 29 | J |
| 7. | UNKNOWN | 8.14 | 25 | J |
| 8. | UNKNOWN | 8.95 | 490 | J |
| 9. | UNKNOWN | 9.24 | 760 | J |
| 10. | UNKNOWN | 9.40 | 20 | J |
| 11. | UNKNOWN | 10.96 | 51 | J |
| 12. | UNKNOWN | 11.54 | 28 | J |
| 13. | UNKNOWN | 11.62 | 49 | J |
| 14. | UNKNOWN | 11.96 | 47 | J |
| 15. | UNKNOWN | 12.52 | 17 | J |
| 16. | UNKNOWN | 12.90 | 34 | J |
| 17. | UNKNOWN | 13.32 | 11 | J |
| 18. | UNKNOWN | 13.57 | 23 | J |
| 19. | UNKNOWN | 14.60 | 13 | J |
| 20. | UNKNOWN | 14.72 | 10 | J |
| 21. | UNKNOWN | 15.68 | 10 | J |
| 22. | UNKNOWN | 18.43 | 28 | J |

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW4S-95

Lab Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99665 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 99665-8

Sample wt/vol: 1040 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/10/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/30/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.048 | U |
| 319-85-7 | beta-BHC | 0.048 | U |
| 319-86-8 | delta-BHC | 0.048 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.048 | U |
| 76-44-8 | Heptachlor | 0.048 | U |
| 309-00-2 | Aldrin | 0.048 | U |
| 1024-57-3 | Heptachlor epoxide | 0.048 | U |
| 959-98-8 | Endosulfan I | 0.048 | U |
| 60-57-1 | Dieldrin | 0.096 | U |
| 72-55-9 | 4,4'-DDE | 0.096 | U |
| 72-20-8 | Endrin | 0.096 | U |
| 33213-65-9 | Endosulfan II | 0.096 | U |
| 72-54-8 | 4,4'-DDD | 0.096 | U |
| 1031-07-8 | Endosulfan sulfate | 0.096 | U |
| 50-29-3 | 4,4'-DDT | 0.096 | U |
| 72-43-5 | Methoxychlor | 0.48 | U |
| 53494-70-5 | Endrin ketone | 0.096 | U |
| 7421-93-4 | Endrin aldehyde | 0.096 | U |
| 5103-71-9 | alpha-Chlordane | 0.048 | U |
| 5103-74-2 | gamma-Chlordane | 0.048 | U |
| 8001-35-2 | Toxaphene | 4.8 | U |
| 12674-11-2 | Aroclor-1016 | 0.96 | U |
| 11104-28-2 | Aroclor-1221 | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | 0.96 | U |
| 53469-21-9 | Aroclor-1242 | 0.96 | U |
| 12672-29-6 | Aroclor-1248 | 0.96 | U |
| 11097-69-1 | Aroclor-1254 | 0.96 | U |
| 11096-82-5 | Aroclor-1260 | 0.96 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW065

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18031-009

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP2975

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/19/98

GC Column: RTX-502.2 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 |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | UJ | 10 | U |
| 74-83-9 | Bromomethane | UJ | 10 | U |
| 75-01-4 | Vinyl Chloride | UJ | 10 | U |
| 75-00-3 | Chloroethane | ~~UJ~~ J | 250 | |
| 75-09-2 | Methylene Chloride | UJ | 2 | JB |
| 67-64-1 | Acetone | UJ | 10 | U |
| 75-15-0 | Carbon Disulfide | UJ | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | UJ | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | UJ | 10 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | J | 6 | J |
| 67-66-3 | Chloroform | UJ | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | J | 2 | J |
| 78-93-3 | 2-Butanone | UJ | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | UJ | 10 | U |
| 56-23-5 | Carbon Tetrachloride | UJ | 10 | U |
| 75-27-4 | Bromodichloromethane | UJ | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | UJ | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | UJ | 10 | U |
| 79-01-6 | Trichloroethene | J | 1 | J |
| 124-48-1 | Dibromochloromethane | UJ | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | UJ | 10 | U |
| 71-43-2 | Benzene | J | 72 | |
| 10061-02-6 | trans-1,3-Dichloropropene | UJ | 10 | U |
| 75-25-2 | Bromoform | UJ | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone | UJ | 10 | U |
| 591-78-6 | 2-Hexanone | UJ | 10 | U |
| 127-18-4 | Tetrachloroethene | UJ | 10 | U |
| 108-88-3 | Toluene | UJ | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | UJ | 10 | U |
| 108-90-7 | Chlorobenzene | UJ | 10 | U |
| 100-41-4 | Ethylbenzene | UJ | 10 | U |
| 100-42-5 | Styrene | UJ | 10 | U |
| 1330-20-7 | Xylenes (total) | | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW065

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18031-009

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP2975

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/19/98

GC Column: RTX-502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 5

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 593-70-4 | METHANE, CHLOROFLUORO- | 1.62 | 1017 | NJ |
| 2. | UNKNOWN | 1.84 | 430.4 | J |
| 3. | UNKNOWN | 1.95 | 397.2 | J |
| 4. 60-29-7 | ETHER | 2.68 | 1432 | NJ |
| 5. | UNKNOWN | 4.72 | 175.5 | J |
| 6. | | | | |
| 7. | | | | |
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW065 DL

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18031-009 DL

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP3125

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/26/98

GC Column: RTX-502.2 ID: 0.53 (mm) Dilution Factor: 5.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 74-87-3 | Chloromethane | 50 | U |
| 74-83-9 | Bromomethane | 50 | U |
| 75-01-4 | Vinyl Chloride | 50 | U |
| 75-00-3 | Chloroethane | 350 | D |
| 75-09-2 | Methylene Chloride | 18 | DJB |
| 67-64-1 | Acetone | 50 | U |
| 75-15-0 | Carbon Disulfide | 50 | U |
| 75-35-4 | 1,1-Dichloroethene | 50 | U |
| 75-34-3 | 1,1-Dichloroethane | 50 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 50 | U |
| 67-66-3 | Chloroform | 50 | U |
| 107-06-2 | 1,2-Dichloroethane | 50 | U |
| 78-93-3 | 2-Butanone | 50 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 50 | U |
| 56-23-5 | Carbon Tetrachloride | 50 | U |
| 75-27-4 | Bromodichloromethane | 50 | U |
| 78-87-5 | 1,2-Dichloropropane | 50 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 50 | U |
| 79-01-6 | Trichloroethene | 50 | U |
| 124-48-1 | Dibromochloromethane | 50 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 50 | U |
| 71-43-2 | Benzene | 38 | DJ |
| 10061-02-6 | trans-1,3-Dichloropropene | 50 | U |
| 75-25-2 | Bromoform | 50 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 50 | U |
| 591-78-6 | 2-Hexanone | 50 | U |
| 127-18-4 | Tetrachloroethene | 50 | U |
| 108-88-3 | Toluene | 50 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 50 | U |
| 108-90-7 | Chlorobenzene | 50 | U |
| 100-41-4 | Ethylbenzene | 50 | U |
| 100-42-5 | Styrene | 50 | U |
| 1330-20-7 | Xylenes (total) | 50 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW065 DL

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18031-009 DL

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP3125

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/26/98

GC Column: RTX-502.2 ID: 0.53 (mm) Dilution Factor: 5.0

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

Number TICs found: 4

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

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | 593-70-4 | METHANE, CHLOROFLUORO- | 1.62 | 7330 | NJD |
| 2. | | UNKNOWN | 1.76 | 16750 | JD |
| 3. | 60-29-7 | ETHER | 2.66 | 11490 | NJD |
| 4. | 592-42-7 | 1,5-HEXADIENE | 6.10 | 3654 | NJD |
| 5. | | | | | |
| 6. | | | | | |
| 7. | | | | | |
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078A
JRS 7-23-c

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW065 DLRE

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18031-009 DLRE

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP3155

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/27/98

GC Column: RTX-502.2 ID: 0.53 (mm) Dilution Factor: 5.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 74-87-3 | Chloromethane | 50 | U |
| 74-83-9 | Bromomethane | 50 | U |
| 75-01-4 | Vinyl Chloride | 50 | U |
| 75-00-3 | Chloroethane | 360 | |
| 75-09-2 | Methylene Chloride | 11 | JB |
| 67-64-1 | Acetone | 50 | U |
| 75-15-0 | Carbon Disulfide | 50 | U |
| 75-35-4 | 1,1-Dichloroethene | 50 | U |
| 75-34-3 | 1,1-Dichloroethane | 50 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 50 | U |
| 67-66-3 | Chloroform | 50 | U |
| 107-06-2 | 1,2-Dichloroethane | 50 | U |
| 78-93-3 | 2-Butanone | 50 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 50 | U |
| 56-23-5 | Carbon Tetrachloride | 50 | U |
| 75-27-4 | Bromodichloromethane | 50 | U |
| 78-87-5 | 1,2-Dichloropropane | 50 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 50 | U |
| 79-01-6 | Trichloroethene | 50 | U |
| 124-48-1 | Dibromochloromethane | 50 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 50 | U |
| 71-43-2 | Benzene | 68 | |
| 10061-02-6 | trans-1,3-Dichloropropene | 50 | U |
| 75-25-2 | Bromoform | 50 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 50 | U |
| 591-78-6 | 2-Hexanone | 50 | U |
| 127-18-4 | Tetrachloroethene | 50 | U |
| 108-88-3 | Toluene | 50 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 50 | U |
| 108-90-7 | Chlorobenzene | 50 | U |
| 100-41-4 | Ethylbenzene | 50 | U |
| 100-42-5 | Styrene | 50 | U |
| 1330-20-7 | Xylenes (total) | 50 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW065 DLRE

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18031-009 DLRE

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP3155

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/27/98

GC Column: RTX-502.2 ID: 0.53 (mm) Dilution Factor: 5.0

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 |
|---|---|---|---|---|---|
| 1. | 60-29-7 | ETHER | 2.65 | 37.81 | NJ |
| 2. | | | | | |
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW06-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18031-009

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7778

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: decanted: (Y/N) Date Extracted: 06/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/98

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 | U |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW06-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18031-009

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7778

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: decanted: (Y/N) Date Extracted: 06/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | 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 | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 25 | 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 | 36 | |
| 117-84-0 | Di-n-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

1F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW06-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18031-009

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7778

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: decanted: (Y/N) Date Extracted: 06/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/98

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 22 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 8.51 | 47 | J |
| 2. | UNKNOWN | 11.09 | 4 | J |
| 3. | UNKNOWN | 19.73 | 3 | J |
| 4. | UNKNOWN | 23.83 | 4 | J |
| 5. | UNKNOWN | 27.27 | 5 | J |
| 6. | UNKNOWN | 28.37 | 7 | J |
| 7. | UNKNOWN | 28.57 | 4 | J |
| 8. | UNKNOWN | 28.60 | 4 | J |
| 9. | UNKNOWN | 28.69 | 3 | J |
| 10. | UNKNOWN | 28.80 | 6 | J |
| 11. | UNKNOWN | 28.92 | 5 | J |
| 12. | UNKNOWN | 29.08 | 4 | J |
| 13. | UNKNOWN | 29.11 | 4 | J |
| 14. | UNKNOWN | 29.24 | 5 | J |
| 15. | UNKNOWN | 29.50 | 7 | J |
| 16. | UNKNOWN | 29.66 | 5 | J |
| 17. | UNKNOWN | 29.98 | 6 | J |
| 18. | UNKNOWN | 30.04 | 4 | J |
| 19. | UNKNOWN | 30.11 | 3 | J |
| 20. | UNKNOWN | 30.23 | 3 | J |
| 21. | UNKNOWN | 30.26 | 3 | J |
| 22. | UNKNOWN | 30.36 | 7 | J |

1D

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW06-05

b Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99665 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 99665-4

Sample wt/vol: 950.0 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/09/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/09/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/30/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | UJ 0.052 | U |
| 319-85-7 | beta-BHC | 0.052 | U |
| 319-86-8 | delta-BHC | 0.052 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.052 | U |
| 76-44-8 | Heptachlor | 0.052 | U |
| 309-00-2 | Aldrin | 0.052 | U |
| 1024-57-3 | Heptachlor epoxide | 0.052 | U |
| 959-98-8 | Endosulfan I | 0.052 | U |
| 60-57-1 | Dieldrin | 0.10 | U |
| 72-55-9 | 4,4'-DDE | 0.10 | U |
| 72-20-8 | Endrin | 0.10 | U |
| 33213-65-9 | Endosulfan II | 0.10 | U |
| 72-54-8 | 4,4'-DDD | 0.10 | U |
| 1031-07-8 | Endosulfan sulfate | 0.10 | U |
| 50-29-3 | 4,4'-DDT | 0.10 | U |
| 72-43-5 | Methoxychlor | 0.52 | U |
| 53494-70-5 | Endrin ketone | 0.10 | U |
| 7421-93-4 | Endrin aldehyde | 0.10 | U |
| 5103-71-9 | alpha-Chlordane | 0.052 | U |
| 5103-74-2 | gamma-Chlordane | 0.052 | U |
| 8001-35-2 | Toxaphene | 5.2 | U |
| 12674-11-2 | Aroclor-1016 | 1.0 | U |
| 11104-28-2 | Aroclor-1221 | 2.1 | U |
| 11141-16-5 | Aroclor-1232 | 1.0 | U |
| 53469-21-9 | Aroclor-1242 | 1.0 | U |
| 12672-29-6 | Aroclor-1248 | 1.0 | U |
| 11097-69-1 | Aroclor-1254 | 1.0 | U |
| 11096-82-5 | Aroclor-1260 | 1.0 | U |

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW0605

Lab Name: QUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix (soil/water): WATER Lab Sample ID: 18031-009

Level (low/med): LOW Date Received: 06/06/98

% 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 41.1 | B | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | U 8.6 | B | | P |
| 7440-39-3 | Barium | 231 | | | P |
| 7440-41-7 | Beryllium | U 0.86 | B | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 240000 | | | P |
| 7440-47-3 | Chromium | U 4.6 | B | | P |
| 7440-48-4 | Cobalt | 3.8 | U | | P |
| 7440-50-8 | Copper | U 11.3 | B | | P |
| 7439-89-6 | Iron | 2990 | | | P |
| 7439-92-1 | Lead | U 2.3 | B | | P |
| 7439-95-4 | Magnesium | 47000 | | | P |
| 7439-96-5 | Manganese | 803 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 12500 | | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | U 5.7 | B | | P |
| 7440-23-5 | Sodium | 601000 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | U 20.9 | B | | P |
| 7440-66-6 | Zinc | 206 | | | P |
| | Cyanide | 17.0 | | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW115

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18031-006

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP2970

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/19/98

GC Column: RTX-502.2 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 |
|---|---|---|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | Trichloroethene | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 1330-20-7 | Xylenes (total) | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW115

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18031-006

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP2970

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/19/98

GC Column: RTX-502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 2

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 115-10-6 | DIMETHYL ETHER | 1.51 | 11.08 | NJ |
| 2. 123-91-1 | 1,4-DIOXANE | 10.30 | 5.524 | NJ |
| 3. | | | | |
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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE N

GWMW11-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18031-006

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7449

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: decanted: (Y/N) Date Extracted: 06/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/19/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | UJ | 25 | 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 | | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | UJ | 25 | 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 | | 25 | 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 | UJ | 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 | UJ | 10 | U |
| 117-81-7 | bis(2-Ethylhexyl)Phthalate | | 1 | J |
| 117-84-0 | Di-n-Octyl Phthalate | | 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 |

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWMW11-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18031-006

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7449

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: decanted: (Y/N) Date Extracted: 06/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/19/98

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 | 2 | J |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

ID

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW11-05

b Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99665 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 99665-1

Sample wt/vol: 1060 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/09/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/09/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/30/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | UJ 0.047 | U |
| 319-85-7 | beta-BHC | 0.047 | U |
| 319-86-8 | delta-BHC | 0.047 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.047 | U |
| 76-44-8 | Heptachlor | 0.047 | U |
| 309-00-2 | Aldrin | 0.047 | U |
| 1024-57-3 | Heptachlor epoxide | 0.047 | U |
| 959-98-8 | Endosulfan I | 0.047 | U |
| 60-57-1 | Dieldrin | 0.094 | U |
| 72-55-9 | 4,4'-DDE | 0.094 | U |
| 72-20-8 | Endrin | 0.094 | U |
| 33213-65-9 | Endosulfan II | 0.094 | U |
| 72-54-8 | 4,4'-DDD | 0.094 | U |
| 1031-07-8 | Endosulfan sulfate | 0.094 | U |
| 50-29-3 | 4,4'-DDT | 0.094 | U |
| 72-43-5 | Methoxychlor | 0.47 | U |
| 53494-70-5 | Endrin ketone | 0.094 | U |
| 7421-93-4 | Endrin aldehyde | 0.094 | U |
| 5103-71-9 | alpha-Chlordane | 0.047 | U |
| 5103-74-2 | gamma-Chlordane | 0.047 | U |
| 8001-35-2 | Toxaphene | 4.7 | U |
| 12674-11-2 | Aroclor-1016 | 0.94 | U |
| 11104-28-2 | Aroclor-1221 | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | 0.94 | U |
| 53469-21-9 | Aroclor-1242 | 0.94 | U |
| 12672-29-6 | Aroclor-1248 | 0.94 | U |
| 11097-69-1 | Aroclor-1254 | 0.94 | U |
| 11096-82-5 | Aroclor-1260 | 0.94 | U |

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW1105

Lab Name: QUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix (soil/water): WATER Lab Sample ID: 18031-006

Level (low/med): LOW Date Received: 06/06/98

% 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 | 437 | | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | 1.9 | U | | P |
| 7440-39-3 | Barium | 16.3 | B | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 31600 | | | P |
| 7440-47-3 | Chromium | 2.1 | U | | P |
| 7440-48-4 | Cobalt | 3.8 | U | | P |
| 7440-50-8 | Copper | u 10.6 | B | | P |
| 7439-89-6 | Iron | 1840 | | | P |
| 7439-92-1 | Lead | u 1.4 | B | | P |
| 7439-95-4 | Magnesium | 13200 | | | P |
| 7439-96-5 | Manganese | 109 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 2150 | U | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 4940 | B | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | u 10.4 | B | | P |
| 7440-66-6 | Zinc | 40.0 | | | P |
| | Cyanide | 0.85 | U | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW12-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99600 SAS No.: NA SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-18

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1090

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/10/98

GC Column: DB624 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 |
|---|---|---|---|
| 74-87-3 | Chloromethane (**) | 10 | U |
| 75-01-4 | Vinyl Chloride (*) | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene(*) | 1 | JB |
| 67-64-1 | Acetone (xtra) | 10 | U |
| 75-15-0 | Carbon Disulfide (xtra) | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 540-59-0 | 1,2-dichloroethene (total) | 10 | U |
| 75-34-3 | 1,1-Dichloroethane (**) | 10 | U |
| 78-93-3 | 2-Butanone (xtra) | 10 | U |
| 67-66-3 | Chloroform (*) | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 2 | J |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 79-01-6 | Trichloroethene | 10 | U |
| 78-87-5 | 1,2-Dichloropropane(*) | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | 10 | U |
| 108-88-3 | Toluene (*) | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene(xt | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone (xtra) | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 108-90-7 | Chlorobenzene (**) | 5 | J |
| 1330-20-7 | Xylenes (total) | 10 | U |
| 100-41-4 | Ethylbenzene (*) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform (**) | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane(** | 10 | U |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW12-05

Lab Name: QUANTERRA MO Contract: 767-03

Lab Code: ITSL Case No.: S01600 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18031-005

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7448

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: decanted: (Y/N) Date Extracted: 06/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/19/98

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 | U |
| 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) | 90 | E |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SMMW12-05

Lab Name: QUANTERRA MO  Contract: 707-03

Lab Code: ITSL  Case No.: S01602  SAS No.:  SDG No.: ACS2

Matrix: (soil/water) WATER  Lab Sample ID: 18031-005

Sample wt/vol: 1000 (g/mL) ML  Lab File ID: H7448

Level: (low/med) LOW  Date Received: 06/06/98

% Moisture: decanted: (Y/N)  Date Extracted: 06/11/98

Concentrated Extract Volume: 1000 (uL)  Date Analyzed: 06/19/98

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 | | 25 | U |
| 100-02-7 | 4-Nitrophenol | | 25 | 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 | | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | | 25 | 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 | | 25 | 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 | u | 1 | J |
| 117-84-0 | Di-n-Octyl Phthalate | | 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 |

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BWMW12-05

Lab Name: QUANTERRA MO Contract: 700-09

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18031-005

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7448

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: decanted: (Y/N) Date Extracted: 06/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/19/98

Injection Volume: 2.0(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 |
|---|---|---|---|---|
| 1. | UNKNOWN | 4.25 | 2 | J |
| 2. | UNKNOWN | 4.36 | 3 | J |
| 3. | UNKNOWN | 8.07 | 12 | J |
| 4. | UNKNOWN | 15.07 | 11 | J |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

[illegible]

Lab Name: QUANTERRA M[illegible] Contract: [illegible]

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18031-005DL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7599

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: decanted: (Y/N) Date Extracted: 06/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/01/98

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 108-95-2 | Phenol | 20 | U |
| 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) | 74 | |
| 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 | [illegible] | 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 | 50 | U |
| 91-58-7 | 2-Chloronaphthalene | 20 | U |
| 88-74-4 | 2-Nitroaniline | 50 | U |
| 131-11-3 | Dimethyl Phthalate | [illegible] | U |
| [illegible] | Acenaphthylene | [illegible] | U |
| [illegible] | 2,6-Dinitrotoluene | [illegible] | U |
| [illegible] | 3-Nitroaniline | [illegible] | U |
| 83-32-9 | Acenaphthene | 20 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW12-05DL

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18031-005DL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7599

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: decanted: (Y/N) Date Extracted: 06/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/01/98

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 | 50 | U |
| 100-02-7 | 4-Nitrophenol | 50 | 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 | 50 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 50 | 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 | 50 | 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-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW12-05DL

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18031-005DL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7599

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: decanted: (Y/N) Date Extracted: 06/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/01/98

Injection Volume: 2.0(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 |
|---|---|---|---|---|
| 1. | UNKNOWN | 7.77 | 15 | J |
| 2. | UNKNOWN | 14.72 | 10 | J |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW12-05

Lab Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99600 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-18

Sample wt/vol: 1040 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/06/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/09/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/23/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.048 | U |
| 319-85-7 | beta-BHC | 0.048 | U |
| 319-86-8 | delta-BHC | 0.048 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.048 | U |
| 76-44-8 | Heptachlor | 0.048 | U |
| 309-00-2 | Aldrin | 0.048 | U |
| 1024-57-3 | Heptachlor epoxide | 0.048 | U |
| 959-98-8 | Endosulfan I | 0.048 | U |
| 60-57-1 | Dieldrin | 0.096 | U |
| 72-55-9 | 4,4'-DDE | 0.096 | U |
| 72-20-8 | Endrin | 0.096 | U |
| 33213-65-9 | Endosulfan II | 0.096 | U |
| 72-54-8 | 4,4'-DDD | 0.096 | U |
| 1031-07-8 | Endosulfan sulfate | 0.096 | U |
| 50-29-3 | 4,4'-DDT | 0.096 | U |
| 72-43-5 | Methoxychlor | 0.48 | U |
| 53494-70-5 | Endrin ketone | 0.096 | U |
| 7421-93-4 | Endrin aldehyde | 0.096 | U |
| 5103-71-9 | alpha-Chlordane | 0.048 | U |
| 5103-74-2 | gamma-Chlordane | 0.048 | U |
| 8001-35-2 | Toxaphene | 4.8 | U |
| 12674-11-2 | Aroclor-1016 | 0.96 | U |
| 11104-28-2 | Aroclor-1221 | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | 0.96 | U |
| 53469-21-9 | Aroclor-1242 | 0.96 | U |
| 12672-29-6 | Aroclor-1248 | 0.96 | U |
| 11097-69-1 | Aroclor-1254 | 0.96 | U |
| 11096-82-5 | Aroclor-1260 | 0.96 | U |

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW1205

Lab Name: QUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS2

Matrix (soil/water): WATER Lab Sample ID: 18031-005

Level (low/med): LOW Date Received: 06/06/98

% 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 | 668 | | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | 1.9 | U | | P |
| 7440-39-3 | Barium | 41.4 | B | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 42600 | | | P |
| 7440-47-3 | Chromium | u 5.5 | B | | P |
| 7440-48-4 | Cobalt | 3.8 | U | | P |
| 7440-50-8 | Copper | u 3.7 | B | | P |
| 7439-89-6 | Iron | 12100 | | | P |
| 7439-92-1 | Lead | u 2.6 | B | | P |
| 7439-95-4 | Magnesium | 18200 | | | P |
| 7439-96-5 | Manganese | J 878 | | E | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 2150 | U | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 6310 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | u 15.9 | B | | P |
| 7440-66-6 | Zinc | u 15.3 | B | | P |
| | Cyanide | 0.85 | U | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW13-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99600 SAS No.: NA SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-11

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1073

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/11/98

GC Column: DB624 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 |
|---|---|---|---|---|
| 74-87-3 | Chloromethane (**) | UJ | 10 | U |
| 75-01-4 | Vinyl Chloride (*) | UJ | 10 | U |
| 74-83-9 | Bromomethane | UJ | 10 | U |
| 75-00-3 | Chloroethane | J | 82 | |
| 75-35-4 | 1,1-Dichloroethene(*) | UJ | 2 | JB |
| 67-64-1 | Acetone (xtra) | | 10 | U |
| 75-15-0 | Carbon Disulfide (xtra) | | 10 | U |
| 75-09-2 | Methylene Chloride | | 10 | U |
| 540-59-0 | 1,2-dichloroethene (total) | | 10 | U |
| 75-34-3 | 1,1-Dichloroethane (**) | | 10 | U |
| 78-93-3 | 2-Butanone (xtra) | | 10 | U |
| 67-66-3 | Chloroform (*) | | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 10 | U |
| 56-23-5 | Carbon Tetrachloride | UJ | 10 | U |
| 71-43-2 | Benzene | J | 2 | J |
| 107-06-2 | 1,2-Dichloroethane | UJ | 10 | U |
| 79-01-6 | Trichloroethene | | 10 | U |
| 78-87-5 | 1,2-Dichloropropane(*) | | 10 | U |
| 75-27-4 | Bromodichloromethane | | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | | 10 | U |
| 108-88-3 | Toluene (*) | | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene(xt | | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 10 | U |
| 127-18-4 | Tetrachloroethene | | 10 | U |
| 591-78-6 | 2-Hexanone (xtra) | | 10 | U |
| 124-48-1 | Dibromochloromethane | | 10 | U |
| 108-90-7 | Chlorobenzene (**) | | 10 | U |
| 1330-20-7 | Xylenes (total) | | 10 | U |
| 100-41-4 | Ethylbenzene (*) | | 10 | U |
| 100-42-5 | Styrene | | 10 | U |
| 75-25-2 | Bromoform (**) | | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane(** | UJ | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW13-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99600 SAS No.: NA SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-11

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1073

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/11/98

GC Column: DB624 ID: 0.53 (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 |
|---|---|---|---|---|
| 1. 108-20-3 | DIISOPROPYL ETHER | 4.70 | 7 | NJ |
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW13-05

Lab Name: QUANTERRA MO Contract: 787-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18023-007

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2293

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: decanted: (Y/N) Date Extracted: 06/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/17/98

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 | U | 3 | J |
| 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 | | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | | 10 | U |
| 88-74-4 | 2-Nitroaniline | | 25 | U |
| 131-11-3 | Dimethyl Phthalate | | 10 | U |
| 208-96-8 | Acenaphthylene | | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | | 10 | U |
| 99-09-2 | 3-Nitroaniline | | 25 | U |
| 83-32-9 | Acenaphthene | | 10 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SWMW13-05

Lab Name: QUANTERRA MC Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18023-007

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2293

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: decanted: (Y/N) Date Extracted: 06/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/17/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | 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 | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 25 | 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-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW13-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18023-007

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2293

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: decanted: (Y/N) Date Extracted: 06/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/17/98

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 8

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | SOLVENT | 2.69 | 61 | J |
| 2. | SOLVENT | 2.98 | 11 | J |
| 3. | UNKNOWN | 4.61 | 2 | J |
| 4. | UNKNOWN | 5.11 | 3 | J |
| 5. | UNKNOWN | 15.69 | 2 | J |
| 6. | UNKNOWN | 16.21 | 2 | J |
| 7. | UNKNOWN | 27.17 | 3 | J |
| 8. | UNKNOWN | 27.53 | 2 | J |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW13-05

Lab Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99600 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-11

Sample wt/vol: 991.0 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/06/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/09/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/23/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.050 | U |
| 319-85-7 | beta-BHC | 0.050 | U |
| 319-86-8 | delta-BHC | 0.050 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.050 | U |
| 76-44-8 | Heptachlor | 0.050 | U |
| 309-00-2 | Aldrin | 0.050 | U |
| 1024-57-3 | Heptachlor epoxide | 0.050 | U |
| 959-98-8 | Endosulfan I | 0.050 | U |
| 60-57-1 | Dieldrin | 0.10 | U |
| 72-55-9 | 4,4'-DDE | 0.10 | U |
| 72-20-8 | Endrin | 0.10 | U |
| 33213-65-9 | Endosulfan II | 0.10 | U |
| 72-54-8 | 4,4'-DDD | 0.10 | U |
| 1031-07-8 | Endosulfan sulfate | 0.10 | U |
| 50-29-3 | 4,4'-DDT | 0.10 | U |
| 72-43-5 | Methoxychlor | 0.50 | U |
| 53494-70-5 | Endrin ketone | 0.10 | U |
| 7421-93-4 | Endrin aldehyde | 0.10 | U |
| 5103-71-9 | alpha-Chlordane | 0.050 | U |
| 5103-74-2 | gamma-Chlordane | 0.050 | U |
| 8001-35-2 | Toxaphene | 5.0 | U |
| 12674-11-2 | Aroclor-1016 | 1.0 | U |
| 11104-28-2 | Aroclor-1221 | 2.0 | U |
| 11141-16-5 | Aroclor-1232 | 1.0 | U |
| 53469-21-9 | Aroclor-1242 | 1.0 | U |
| 12672-29-6 | Aroclor-1248 | 1.0 | U |
| 11097-69-1 | Aroclor-1254 | 1.0 | U |
| 11096-82-5 | Aroclor-1260 | 1.0 | U |

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW1305

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS2

Matrix (soil/water): WATER Lab Sample ID: 18023-007

Level (low/med): LOW Date Received: 06/05/98

% 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 73.1 | B | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | 1.9 | U | | P |
| 7440-39-3 | Barium | 66.1 | B | | P |
| 7440-41-7 | Beryllium | U 0.65 | B | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 139000 | | | P |
| 7440-47-3 | Chromium | 2.1 | U | | P |
| 7440-48-4 | Cobalt | 3.8 | U | | P |
| 7440-50-8 | Copper | 3.6 | U | | P |
| 7439-89-6 | Iron | 5760 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 41100 | | | P |
| 7439-96-5 | Manganese | J 633 | | E | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 2150 | U | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 22900 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | U 13.4 | B | | P |
| 7440-66-6 | Zinc | U 13.5 | B | | P |
| | Cyanide | 0.85 | U | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW14

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 18066-001

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP3040

Level: (low/med) LOW Date Received: 06/11/98

% Moisture: not dec. _____ Date Analyzed: 06/23/98

GC Column: RTX-502.2 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 |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | | 10 | U |
| 74-83-9 | Bromomethane | | 10 | U |
| 75-01-4 | Vinyl Chloride | | 10 | U |
| 75-00-3 | Chloroethane | | 10 | U |
| 75-09-2 | Methylene Chloride | UJ | 2 | JB |
| 67-64-1 | Acetone | UJ | 10 | U |
| 75-15-0 | Carbon Disulfide | | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | | 10 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | | 10 | U |
| 67-66-3 | Chloroform | | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | | 10 | U |
| 78-93-3 | 2-Butanone | | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 10 | U |
| 56-23-5 | Carbon Tetrachloride | | 10 | U |
| 75-27-4 | Bromodichloromethane | | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | | 10 | U |
| 79-01-6 | Trichloroethene | | 10 | U |
| 124-48-1 | Dibromochloromethane | | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 10 | U |
| 71-43-2 | Benzene | | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | | 10 | U |
| 75-25-2 | Bromoform | | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone | | 10 | U |
| 591-78-6 | 2-Hexanone | UJ | 10 | U |
| 127-18-4 | Tetrachloroethene | | 10 | U |
| 108-88-3 | Toluene | | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 10 | U |
| 108-90-7 | Chlorobenzene | | 10 | U |
| 100-41-4 | Ethylbenzene | | 10 | U |
| 100-42-5 | Styrene | | 10 | U |
| 1330-20-7 | Xylenes (total) | | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW14

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 18066-001

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP3040

Level: (low/med) LOW Date Received: 06/11/98

% Moisture: not dec. _____ Date Analyzed: 06/23/98

GC Column: RTX-502.2 ID: 0.53 (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 |
|---|---|---|---|---|---|
| 1. | | UNKNOWN | 2.00 | 5.482 | JB |
| 2. | | | | | |
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW14RE

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 18066-001 RE

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP3115

Level: (low/med) LOW Date Received: 06/11/98

% Moisture: not dec. _____ Date Analyzed: 06/26/98

GC Column: RTX-502.2 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 |
|---|---|---|---|
| 74-87-3 | Chloromethane | 4 | J |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | Trichloroethene | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 1330-20-7 | Xylenes (total) | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW14RE

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 18066-001 RE

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP3115

Level: (low/med) LOW Date Received: 06/11/98

% Moisture: not dec. _____ Date Analyzed: 06/26/98

GC Column: RTX-502.2 ID: 0.53 (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 |
|---|---|---|---|---|
| 1. | UNKNOWN | 1.94 | 6.068 | J |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWMW14-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S05704 SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 18066-001

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7473

Level: (low/med) LOW Date Received: 06/11/98

% Moisture: decanted: (Y/N) Date Extracted: 06/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/24/98

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 | U |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

UJ

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWMW14-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S05704 SAS No.: SDG No.: ACS4

Matrix: soil/water) WATER Lab Sample ID: 18066-001

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7473

Level: (low/med) LOW Date Received: 06/11/98

% Moisture: decanted: (Y/N) Date Extracted: 06/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/24/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | 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 | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 25 | 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-Octyl Phthalate | 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 |

1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

GWMW14-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S05704 SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 18066-001

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7473

Level: (low/med) LOW Date Received: 06/11/98

% Moisture: decanted: (Y/N) Date Extracted: 06/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/24/98

Injection Volume: 2.0(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 |
|---|---|---|---|---|
| 1. | UNKNOWN | 4.20 | 2 | J |
| 2. | UNKNOWN | 15.82 | 2 | J |
| 3. | UNKNOWN | 27.54 | 3 | J |
| 4. | UNKNOWN | 27.77 | 2 | J |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWMW14-05RI

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S05704 SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 18066-001RI

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7784

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: decanted: (Y/N) Date Extracted: 06/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/98

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 | U |
| 111-44-4 | bis(2-Chloroethyl)Ether | 2 | J |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

0000165

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWMW14-05RI

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S05704 SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 18066-001RI

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7784

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: decanted: (Y/N) Date Extracted: 06/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | 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 | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 25 | 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 | 16 | |
| 117-84-0 | Di-n-Octyl Phthalate | 1 | 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 | 1 | U |

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

GWMW14-05RI

Lab Name: QUANTERRA MO Contract: 710-03

Lab Code: ITSL Case No.: S05704 SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 18066-001RI

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7784

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: decanted: (Y/N) Date Extracted: 06/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/98

Injection Volume: 2.0(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 |
|---|---|---|---|---|
| 1. | UNKNOWN C13H12 | 13.49 | 4 | J |
| 2. | UNKNOWN | 13.77 | 5 | J |
| 3. | UNKNOWN | 14.53 | 2 | J |
| 4. | UNKNOWN | 15.39 | 7 | J |
| 5. | UNKNOWN | 15.50 | 2 | J |
| 6. | UNKNOWN | 19.10 | 4 | J |
| 7. | UNKNOWN | 19.56 | 2 | J |
| 8. | UNKNOWN | 19.76 | 4 | J |
| 9. | UNKNOWN | 21.56 | 4 | J |
| 10. | UNKNOWN | 23.77 | 6 | J |
| 11. | UNKNOWN | 23.84 | 2 | J |
| 12. | UNKNOWN | 24.46 | 2 | J |
| 13. | UNKNOWN | 25.54 | 3 | J |
| 14. | UNKNOWN | 26.56 | 3 | J |
| 15. | UNKNOWN | 27.05 | 7 | J |
| 16. | UNKNOWN | 27.28 | 8 | J |
| 17. | UNKNOWN | 27.50 | 3 | J |
| 18. | UNKNOWN | 28.39 | 4 | J |
| 19. | UNKNOWN | 29.24 | 3 | J |
| 20. | UNKNOWN | 30.10 | 2 | J |
| 21. | UNKNOWN | 31.08 | 2 | J |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW14-05

Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99736 SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 99736-5

Sample wt/vol: 1050 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/11/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/12/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/24/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | UJ 0.048 | U |
| 319-85-7 | beta-BHC | 0.048 | U |
| 319-86-8 | delta-BHC | 0.048 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.048 | U |
| 76-44-8 | Heptachlor | 0.048 | U |
| 309-00-2 | Aldrin | 0.048 | U |
| 1024-57-3 | Heptachlor epoxide | 0.048 | U |
| 959-98-8 | Endosulfan I | 0.048 | U |
| 60-57-1 | Dieldrin | 0.095 | U |
| 72-55-9 | 4,4'-DDE | 0.095 | U |
| 72-20-8 | Endrin | 0.095 | U |
| 33213-65-9 | Endosulfan II | 0.095 | U |
| 72-54-8 | 4,4'-DDD | 0.095 | U |
| 1031-07-8 | Endosulfan sulfate | 0.095 | U |
| 50-29-3 | 4,4'-DDT | 0.095 | U |
| 72-43-5 | Methoxychlor | 0.48 | U |
| 53494-70-5 | Endrin ketone | 0.095 | U |
| 7421-93-4 | Endrin aldehyde | 0.095 | U |
| 5103-71-9 | alpha-Chlordane | 0.048 | U |
| 5103-74-2 | gamma-Chlordane | 0.048 | U |
| 8001-35-2 | Toxaphene | 4.8 | U |
| 12674-11-2 | Aroclor-1016 | 0.95 | U |
| 11104-28-2 | Aroclor-1221 | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | 0.95 | U |
| 53469-21-9 | Aroclor-1242 | 0.95 | U |
| 12672-29-6 | Aroclor-1248 | 0.95 | U |
| 11097-69-1 | Aroclor-1254 | 0.95 | U |
| 11096-82-5 | Aroclor-1260 | 0.95 | U |

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW1405

Lab Name: QUANTERRA_MO Contract: 707.03
Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS4
Matrix (soil/water): WATER Lab Sample ID: 18066-001
Level (low/med): LOW Date Received: 06/11/98
% 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 | 9550 | | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | 10.9 | | | P |
| 7440-39-3 | Barium | 76.4 | B | | P |
| 7440-41-7 | Beryllium | u 0.87 | B | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 72300 | | | P |
| 7440-47-3 | Chromium | 53.9 | | | P |
| 7440-48-4 | Cobalt | u 12.0 | B | | P |
| 7440-50-8 | Copper | u 20.4 | B | | P |
| 7439-89-6 | Iron | 24100 | | | P |
| 7439-92-1 | Lead | u 10.4 | | | P |
| 7439-95-4 | Magnesium | 20600 | | | P |
| 7439-96-5 | Manganese | 343 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 30.2 | B | | P |
| 7440-09-7 | Potassium | 5420 | | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 7160 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | 34.0 | B | | P |
| 7440-66-6 | Zinc | u 38.1 | | | P |
| | Cyanide | u 4.9 | B | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:
Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW15-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-11

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1042

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/08/98

GC Column: DB624 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 |
|---|---|---|---|
| 74-87-3 | Chloromethane (**) | 10 | U |
| 75-01-4 | Vinyl Chloride (*) | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene(*) | 10 | U |
| 67-64-1 | Acetone (xtra) | 10 | U |
| 75-15-0 | Carbon Disulfide (xtra) | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 540-59-0 | 1,2-dichloroethene (total) | 10 | U |
| 75-34-3 | 1,1-Dichloroethane (**) | 10 | U |
| 78-93-3 | 2-Butanone (xtra) | 10 | U |
| 67-66-3 | Chloroform (*) | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 3 | J |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 79-01-6 | Trichloroethene | 10 | U |
| 78-87-5 | 1,2-Dichloropropane(*) | [illegible] | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | 10 | U |
| 108-88-3 | Toluene (*) | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene(xt | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone (xtra) | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 108-90-7 | Chlorobenzene (**) | 10 | U |
| 1330-20-7 | Xylenes (total) | 10 | U |
| 100-41-4 | Ethylbenzene (*) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform (**) | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane(** | 10 | U |

UJ

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW15-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-11

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1042

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/08/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 2

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | 5700 UNKNOWN | 2.34 | 10 | J |
| 2. | 5700 UNKNOWN | 3.28 | 5 | J |
| 3. | | | | |
| 4. | | | | |
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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW15-05

b Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99599 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-11

Sample wt/vol: 1000 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/05/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/09/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/16/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | UJ 0.050 | U |
| 319-85-7 | beta-BHC | 0.050 | U |
| 319-86-8 | delta-BHC | 0.050 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.050 | U |
| 76-44-8 | Heptachlor | 0.050 | U |
| 309-00-2 | Aldrin | 0.050 | U |
| 1024-57-3 | Heptachlor epoxide | 0.050 | U |
| 959-98-8 | Endosulfan I | 0.050 | U |
| 60-57-1 | Dieldrin | 0.10 | U |
| 72-55-9 | 4,4'-DDE | 0.10 | U |
| 72-20-8 | Endrin | 0.10 | U |
| 33213-65-9 | Endosulfan II | 0.10 | U |
| 72-54-8 | 4,4'-DDD | 0.10 | U |
| 1031-07-8 | Endosulfan sulfate | 0.10 | U |
| 50-29-3 | 4,4'-DDT | 0.10 | U |
| 72-43-5 | Methoxychlor | 0.50 | U |
| 53494-70-5 | Endrin ketone | 0.10 | U |
| 7421-93-4 | Endrin aldehyde | 0.10 | U |
| 5103-71-9 | alpha-Chlordane | 0.050 | U |
| 5103-74-2 | gamma-Chlordane | 0.050 | U |
| 8001-35-2 | Toxaphene | 5.0 | U |
| 12674-11-2 | Aroclor-1016 | 1.0 | U |
| 11104-28-2 | Aroclor-1221 | 2.0 | U |
| 11141-16-5 | Aroclor-1232 | 1.0 | U |
| 53469-21-9 | Aroclor-1242 | 1.0 | U |
| 12672-29-6 | Aroclor-1248 | 1.0 | U |
| 11097-69-1 | Aroclor-1254 | 1.0 | U |
| 11096-82-5 | Aroclor-1260 | 1.0 | U |

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW1505

Lab Name: QUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS1

Matrix (soil/water): WATER Lab Sample ID: 18016-017

Level (low/med): LOW Date Received: 06/03/98

% 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 234 | | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | 55.8 | | | P |
| 7440-39-3 | Barium | 1090 | | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 61100 | | | P |
| 7440-47-3 | Chromium | u 9.2 | B | | P |
| 7440-48-4 | Cobalt | 9.1 | B | | P |
| 7440-50-8 | Copper | u 5.3 | B | | P |
| 7439-89-6 | Iron | 6530 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 67000 | | | P |
| 7439-96-5 | Manganese | 140 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 74200 | | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 474000 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | 4.4 | U | | P |
| 7440-66-6 | Zinc | 22.2 | | | P |
| | Cyanide | 2.3 | B | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW18-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-16

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1077

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/10/98

GC Column: DB624 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 |
|---|---|---|---|---|
| 74-87-3 | Chloromethane (**) | UJ | 10 | U |
| 75-01-4 | Vinyl Chloride (*) | | 10 | U |
| 74-83-9 | Bromomethane | | 10 | U |
| 75-00-3 | Chloroethane | | 10 | U |
| 75-35-4 | 1,1-Dichloroethene(*) | | 1 | JB |
| 67-64-1 | Acetone (xtra) | | 10 | U |
| 75-15-0 | Carbon Disulfide (xtra) | | 10 | U |
| 75-09-2 | Methylene Chloride | | 10 | U |
| 540-59-0 | 1,2-dichloroethene (total) | | 10 | U |
| 75-34-3 | 1,1-Dichloroethane (**) | | 10 | U |
| 78-93-3 | 2-Butanone (xtra) | | 10 | U |
| 67-66-3 | Chloroform (*) | | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 10 | U |
| 56-23-5 | Carbon Tetrachloride | | 10 | U |
| 71-43-2 | Benzene | | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | | 10 | U |
| 79-01-6 | Trichloroethene | | 10 | U |
| 78-87-5 | 1,2-Dichloropropane(*) | | 10 | U |
| 75-27-4 | Bromodichloromethane | | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | | 10 | U |
| 108-88-3 | Toluene (*) | | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene(xt | | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 10 | U |
| 127-18-4 | Tetrachloroethene | | 10 | U |
| 591-78-6 | 2-Hexanone (xtra) | | 10 | U |
| 124-48-1 | Dibromochloromethane | | 10 | U |
| 108-90-7 | Chlorobenzene (**) | | 10 | U |
| 1330-20-7 | Xylenes (total) | | 10 | U |
| 100-41-4 | Ethylbenzene (*) | | 10 | U |
| 100-42-5 | Styrene | | 10 | U |
| 75-25-2 | Bromoform (**) | | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane(** | | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW18-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-16

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1077

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/10/98

GC Column: DB624 ID: 0.53 (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 |
|---|---|---|---|---|---|
| 1. | | 5700 UNKNOWN | 2.35 | 6 | J |
| 2. | | | | | |
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW18-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-007

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7343

Level: (low/med) LOW Date Received: 06/04/98

% Moisture: decanted: (Y/N) Date Extracted: 06/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/16/98

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 | U |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW18-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-007

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7343

Level: (low/med) LOW Date Received: 06/04/98

% Moisture: decanted: (Y/N) Date Extracted: 06/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/16/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | 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 | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 25 | 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-Octyl Phthalate | 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 |

1 Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW18-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-007

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7343

Level: (low/med) LOW Date Received: 06/04/98

% Moisture: decanted: (Y/N) Date Extracted: 06/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/16/98

Injection Volume: 2.0(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 |
|---|---|---|---|---|
| 1. | UNKNOWN | 7.42 | 4 | J |
| 2. | UNKNOWN | 27.94 | 3 | J |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW18-05

Lab Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99599 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-16

Sample wt/vol: 1060 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/05/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/09/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/17/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.047 | U |
| 319-85-7 | beta-BHC | 0.047 | U |
| 319-86-8 | delta-BHC | 0.047 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.047 | U |
| 76-44-8 | Heptachlor | 0.047 | U |
| 309-00-2 | Aldrin | 0.047 | U |
| 1024-57-3 | Heptachlor epoxide | 0.047 | U |
| 959-98-8 | Endosulfan I | 0.047 | U |
| 60-57-1 | Dieldrin | 0.095 | U |
| 72-55-9 | 4,4'-DDE | 0.095 | U |
| 72-20-8 | Endrin | 0.095 | U |
| 33213-65-9 | Endosulfan II | 0.095 | U |
| 72-54-8 | 4,4'-DDD | 0.095 | U |
| 1031-07-8 | Endosulfan sulfate | 0.095 | U |
| 50-29-3 | 4,4'-DDT | 0.095 | U |
| 72-43-5 | Methoxychlor | 0.47 | U |
| 53494-70-5 | Endrin ketone | 0.095 | U |
| 7421-93-4 | Endrin aldehyde | 0.095 | U |
| 5103-71-9 | alpha-Chlordane | 0.047 | U |
| 5103-74-2 | gamma-Chlordane | 0.047 | U |
| 8001-35-2 | Toxaphene | 4.7 | U |
| 12674-11-2 | Aroclor-1016 | 0.95 | U |
| 11104-28-2 | Aroclor-1221 | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | 0.95 | U |
| 53469-21-9 | Aroclor-1242 | 0.95 | U |
| 12672-29-6 | Aroclor-1248 | 0.95 | U |
| 11097-69-1 | Aroclor-1254 | 0.95 | U |
| 11096-82-5 | Aroclor-1260 | 0.95 | U |

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW1805

Lab Name: QUANTERRA_MO Contract: 707.03
Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS1
Matrix (soil/water): WATER Lab Sample ID: 18016-007
Level (low/med): LOW Date Received: 06/04/98
% 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 32.3 | B | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | 1.9 | U | | P |
| 7440-39-3 | Barium | 22.5 | B | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 53200 | | | P |
| 7440-47-3 | Chromium | 19.3 | | | P |
| 7440-48-4 | Cobalt | 3.8 | U | | P |
| 7440-50-8 | Copper | u 7.9 | B | | P |
| 7439-89-6 | Iron | u 233 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 16600 | | | P |
| 7439-96-5 | Manganese | 62.5 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 2980 | B | | P |
| 7782-49-2 | Selenium | u 3.2 | B | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 55800 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | 4.4 | U | | P |
| 7440-66-6 | Zinc | 31.2 | | | P |
| | Cyanide | 4.8 | B | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW19-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-9

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1040

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/08/98

GC Column: DB624 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 |
|---|---|---|---|---|
| 74-87-3 | Chloromethane (**) | UJ | 10 | U |
| 75-01-4 | Vinyl Chloride (*) | UJ | 10 | U |
| 74-83-9 | Bromomethane | UJ | 10 | U |
| 75-00-3 | Chloroethane | J | 16 | |
| 75-35-4 | 1,1-Dichloroethene(*) | UJ | 10 | U |
| 67-64-1 | Acetone (xtra) | | 10 | U |
| 75-15-0 | Carbon Disulfide (xtra) | | 10 | U |
| 75-09-2 | Methylene Chloride | | 10 | U |
| 540-59-0 | 1,2-dichloroethene (total) | | 10 | U |
| 75-34-3 | 1,1-Dichloroethane (**) | | 10 | U |
| 78-93-3 | 2-Butanone (xtra) | | 10 | U |
| 67-66-3 | Chloroform (*) | | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 10 | U |
| 56-23-5 | Carbon Tetrachloride | | 10 | U |
| 71-43-2 | Benzene | | 8 | J |
| 107-06-2 | 1,2-Dichloroethane | | 10 | U |
| 79-01-6 | Trichloroethene | | 10 | U |
| 78-87-5 | 1,2-Dichloropropane(*) | | 10 | U |
| 75-27-4 | Bromodichloromethane | | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | | 10 | U |
| 108-88-3 | Toluene (*) | | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene(xt | | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 10 | U |
| 127-18-4 | Tetrachloroethene | | 10 | U |
| 591-78-6 | 2-Hexanone (xtra) | | 10 | U |
| 124-48-1 | Dibromochloromethane | | 10 | U |
| 108-90-7 | Chlorobenzene (**) | | 10 | U |
| 1330-20-7 | Xylenes (total) | | 10 | U |
| 100-41-4 | Ethylbenzene (*) | | 10 | U |
| 100-42-5 | Styrene | | 10 | U |
| 75-25-2 | Bromoform (**) | | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane(** | | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW19-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-9

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1040

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/08/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 3

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 60-29-7 | ETHER | 3.00 | 8 | NJ |
| 2. | UNKNOWN | 3.29 | 5 | J |
| 3. | UNKNOWN | 4.76 | 6 | J |
| 4. | | | | |
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW19-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-008

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7344

Level: (low/med) LOW Date Received: 06/03/98

% Moisture: decanted: (Y/N) Date Extracted: 06/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/16/98

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 | U |
| 111-44-4 | bis(2-Chloroethyl)Ether | 11 | |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW19-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-008

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7344

Level: (low/med) LOW Date Received: 06/03/98

% Moisture: decanted: (Y/N) Date Extracted: 06/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/16/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | 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 | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 25 | 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-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW19-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-008

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7344

Level: (low/med) LOW Date Received: 06/03/98

% Moisture: decanted: (Y/N) Date Extracted: 06/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/16/98

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 22

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 15980151 | 1,4-Oxathiane | 5.12 | 10 | JN |
| 2. | UNKNOWN | 7.08 | 6 | J |
| 3. | UNKNOWN | 7.14 | 5 | J |
| 4. | UNKNOWN | 8.50 | 33 | J |
| 5. | UNKNOWN | 9.12 | 79 | J |
| 6. | UNKNOWN | 9.68 | 8 | J |
| 7. | UNKNOWN | 11.94 | 14 | J |
| 8. | UNKNOWN | 12.02 | 4 | J |
| 9. | UNKNOWN | 12.29 | 4 | J |
| 10. | UNKNOWN | 13.36 | 11 | J |
| 11. | UNKNOWN | 13.84 | 470 | J |
| 12. | UNKNOWN | 14.99 | 13 | J |
| 13. | UNKNOWN | 15.06 | 13 | J |
| 14. | UNKNOWN | 16.11 | 13 | J |
| 15. | UNKNOWN | 17.02 | 7 | J |
| 16. | UNKNOWN | 17.76 | 6 | J |
| 17. | UNKNOWN | 18.16 | 5 | J |
| 18. | UNKNOWN | 19.31 | 3 | J |
| 19. | UNKNOWN | 19.53 | 4 | J |
| 20. | UNKNOWN | 19.62 | 3 | J |
| 21. | UNKNOWN | 20.97 | 35 | J |
| 22. | UNKNOWN | 24.45 | 4 | J |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW19-05

.b Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99599 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-9

Sample wt/vol: 950.0 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/05/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/09/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/16/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | UJ 0.052 | U |
| 319-85-7 | beta-BHC | 0.052 | U |
| 319-86-8 | delta-BHC | 0.052 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.052 | U |
| 76-44-8 | Heptachlor | 0.052 | U |
| 309-00-2 | Aldrin | 0.052 | U |
| 1024-57-3 | Heptachlor epoxide | 0.052 | U |
| 959-98-8 | Endosulfan I | 0.052 | U |
| 60-57-1 | Dieldrin | 0.10 | U |
| 72-55-9 | 4,4'-DDE | 0.10 | U |
| 72-20-8 | Endrin | 0.10 | U |
| 33213-65-9 | Endosulfan II | 0.10 | U |
| 72-54-8 | 4,4'-DDD | 0.10 | U |
| 1031-07-8 | Endosulfan sulfate | 0.10 | U |
| 50-29-3 | 4,4'-DDT | 0.10 | U |
| 72-43-5 | Methoxychlor | 0.52 | U |
| 53494-70-5 | Endrin ketone | 0.10 | U |
| 7421-93-4 | Endrin aldehyde | 0.10 | U |
| 5103-71-9 | alpha-Chlordane | 0.052 | U |
| 5103-74-2 | gamma-Chlordane | 0.052 | U |
| 8001-35-2 | Toxaphene | 5.2 | U |
| 12674-11-2 | Aroclor-1016 | 1.0 | U |
| 11104-28-2 | Aroclor-1221 | 2.1 | U |
| 11141-16-5 | Aroclor-1232 | 1.0 | U |
| 53469-21-9 | Aroclor-1242 | 1.0 | U |
| 12672-29-6 | Aroclor-1248 | 1.0 | U |
| 11097-69-1 | Aroclor-1254 | 1.0 | U |
| 11096-82-5 | Aroclor-1260 | 1.0 | U |

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW1905

Lab Name: QUANTERRA_MO Contract: 707.03
Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS1
Matrix (soil/water): WATER Lab Sample ID: 18016-008
Level (low/med): LOW Date Received: 06/03/98
% 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 | 20.6 | U | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | 21.1 | | | P |
| 7440-39-3 | Barium | 615 | | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 72900 | | | P |
| 7440-47-3 | Chromium | 2.1 | U | | P |
| 7440-48-4 | Cobalt | 3.8 | U | | P |
| 7440-50-8 | Copper | 3.6 | U | | P |
| 7439-89-6 | Iron | 4160 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 53200 | | | P |
| 7439-96-5 | Manganese | 196 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 15.2 | B | | P |
| 7440-09-7 | Potassium | 51600 | | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 805000 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | 4.4 | U | | P |
| 7440-66-6 | Zinc | 9.5 | B | | P |
| | Cyanide | 2.8 | B | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:
Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW375

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18057-015

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP3031

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: not dec. _____ Date Analyzed: 06/23/98

GC Column: RTX-502.2 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 |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | | 2 | J |
| 74-83-9 | Bromomethane | | 10 | U |
| 75-01-4 | Vinyl Chloride | | 10 | U |
| 75-00-3 | Chloroethane | | 10 | U |
| 75-09-2 | Methylene Chloride | UJ | 8 | JB |
| 67-64-1 | Acetone | | 10 | U |
| 75-15-0 | Carbon Disulfide | | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | | 10 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | | 10 | U |
| 67-66-3 | Chloroform | | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | | 10 | U |
| 78-93-3 | 2-Butanone | | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 10 | U |
| 56-23-5 | Carbon Tetrachloride | | 10 | U |
| 75-27-4 | Bromodichloromethane | | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | | 10 | U |
| 79-01-6 | Trichloroethene | | 10 | U |
| 124-48-1 | Dibromochloromethane | | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 10 | U |
| 71-43-2 | Benzene | | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | | 10 | U |
| 75-25-2 | Bromoform | | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone | | 10 | U |
| 591-78-6 | 2-Hexanone | | 10 | U |
| 127-18-4 | Tetrachloroethene | | 10 | U |
| 108-88-3 | Toluene | | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 10 | U |
| 108-90-7 | Chlorobenzene | | 10 | U |
| 100-41-4 | Ethylbenzene | | 10 | U |
| 100-42-5 | Styrene | | 10 | U |
| 1330-20-7 | Xylenes (total) | | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW375

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18057-015

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP3031

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: not dec. _____ Date Analyzed: 06/23/98

GC Column: RTX-502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 2

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 2.09 | 7.385 | JB |
| 2. 556-67-2 | CYCLOTETRASILOXANE, OCTAMETH | 18.74 | 6.830 | NJ |
| 3. | | | | |
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWMW37-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18057-015

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7469

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: decanted: (Y/N) Date Extracted: 06/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/24/98

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 | U |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWMW37-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18057-015

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7469

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: decanted: (Y/N) Date Extracted: 06/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/24/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | | 25 | 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 | | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | | 25 | 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 | | 25 | 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 | | 19 | |
| 117-84-0 | Di-n-Octyl Phthalate | | 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 |

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

GWMW37-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18057-015

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7469

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: decanted: (Y/N) Date Extracted: 06/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/24/98

Injection Volume: 2.0(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 |
|---|---|---|---|---|
| 1. | UNKNOWN | 4.17 | 2 | J |
| 2. | UNKNOWN | 5.88 | 2 | J |
| 3. | UNKNOWN | 6.01 | 4 | J |
| 4. | UNKNOWN | 27.77 | 5 | J |

ID
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW37-05

Lab Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99665 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 99665-18

Sample wt/vol: 1060 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/11/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/12/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/01/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.047 | U |
| 319-85-7 | beta-BHC | 0.047 | U |
| 319-86-8 | delta-BHC | 0.047 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.047 | U |
| 76-44-8 | Heptachlor | 0.047 | U |
| 309-00-2 | Aldrin | 0.047 | U |
| 1024-57-3 | Heptachlor epoxide | 0.047 | U |
| 959-98-8 | Endosulfan I | 0.047 | U |
| 60-57-1 | Dieldrin | 0.094 | U |
| 72-55-9 | 4,4'-DDE | 0.094 | U |
| 72-20-8 | Endrin | 0.094 | U |
| 33213-65-9 | Endosulfan II | 0.094 | U |
| 72-54-8 | 4,4'-DDD | 0.094 | U |
| 1031-07-8 | Endosulfan sulfate | 0.094 | U |
| 50-29-3 | 4,4'-DDT | 0.094 | U |
| 72-43-5 | Methoxychlor | 0.47 | U |
| 53494-70-5 | Endrin ketone | 0.094 | U |
| 7421-93-4 | Endrin aldehyde | 0.094 | U |
| 5103-71-9 | alpha-Chlordane | 0.047 | U |
| 5103-74-2 | gamma-Chlordane | 0.047 | U |
| 8001-35-2 | Toxaphene | 4.7 | U |
| 12674-11-2 | Aroclor-1016 | 0.94 | U |
| 11104-28-2 | Aroclor-1221 | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | 0.94 | U |
| 53469-21-9 | Aroclor-1242 | 0.94 | U |
| 12672-29-6 | Aroclor-1248 | 0.94 | U |
| 11097-69-1 | Aroclor-1254 | 0.94 | U |
| 11096-82-5 | Aroclor-1260 | 0.94 | U |

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW3705

Lab Name: QUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix (soil/water): WATER Lab Sample ID: 18057-015

Level (low/med): LOW Date Received: 06/10/98

% 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 | 605 | | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | 1.9 | U | | P |
| 7440-39-3 | Barium | 19.3 | B | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 74000 | | | P |
| 7440-47-3 | Chromium | 2.1 | U | | P |
| 7440-48-4 | Cobalt | u 5.9 | B | | P |
| 7440-50-8 | Copper | 14.0 | B | | P |
| 7439-89-6 | Iron | 4410 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 23000 | | | P |
| 7439-96-5 | Manganese | 283 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 2150 | U | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 10700 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | u 7.4 | B | | P |
| 7440-66-6 | Zinc | 22.8 | | | P |
| | Cyanide | 0.88 | U | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW38-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99600 SAS No.: NA SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-2

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1062

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/09/98

GC Column: DB624 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 |
|---|---|---|---|
| 74-87-3 | Chloromethane (**) | 10 | U |
| 75-01-4 | Vinyl Chloride (*) | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene(*) | 10 | U |
| 67-64-1 | Acetone (xtra) | 10 | U |
| 75-15-0 | Carbon Disulfide (xtra) | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 540-59-0 | 1,2-dichloroethene (total) | 10 | U |
| 75-34-3 | 1,1-Dichloroethane (**) | 10 | U |
| 78-93-3 | 2-Butanone (xtra) | 10 | U |
| 67-66-3 | Chloroform (*) | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 79-01-6 | Trichloroethene | 10 | U |
| 78-87-5 | 1,2-Dichloropropane(*) | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | 10 | U |
| 108-88-3 | Toluene (*) | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene(xt | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone (xtra) | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 108-90-7 | Chlorobenzene (**) | 10 | U |
| 1330-20-7 | Xylenes (total) | 10 | U |
| 100-41-4 | Ethylbenzene (*) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform (**) | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane(** | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW38-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99600 SAS No.: NA SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-2

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1062

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/09/98

GC Column: DB624 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 |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW38-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18016-003

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7340

Level: (low/med) LOW Date Received: 06/04/98

% Moisture: decanted: (Y/N) Date Extracted: 06/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/16/98

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 | U |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW38-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18016-003

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7340

Level: (low/med) LOW Date Received: 06/04/98

% Moisture: decanted: (Y/N) Date Extracted: 06/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/16/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | 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 | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 25 | 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-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

000252

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW38-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18016-003

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7340

Level: (low/med) LOW Date Received: 06/04/98

% Moisture: decanted: (Y/N) Date Extracted: 06/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/16/98

Injection Volume: 2.0(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 |
|---|---|---|---|---|
| 1. | UNKNOWN | 11.76 | 4 | J |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW38-05

Lab Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99600 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-2

Sample wt/vol: 1050 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/05/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/09/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/17/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.048 | U |
| 319-85-7 | beta-BHC | 0.048 | U |
| 319-86-8 | delta-BHC | 0.048 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.048 | U |
| 76-44-8 | Heptachlor | 0.048 | U |
| 309-00-2 | Aldrin | 0.048 | U |
| 1024-57-3 | Heptachlor epoxide | 0.048 | U |
| 959-98-8 | Endosulfan I | 0.048 | U |
| 60-57-1 | Dieldrin | 0.095 | U |
| 72-55-9 | 4,4'-DDE | 0.095 | U |
| 72-20-8 | Endrin | 0.095 | U |
| 33213-65-9 | Endosulfan II | 0.095 | U |
| 72-54-8 | 4,4'-DDD | 0.095 | U |
| 1031-07-8 | Endosulfan sulfate | 0.095 | U |
| 50-29-3 | 4,4'-DDT | 0.095 | U |
| 72-43-5 | Methoxychlor | 0.48 | U |
| 53494-70-5 | Endrin ketone | 0.095 | U |
| 7421-93-4 | Endrin aldehyde | 0.095 | U |
| 5103-71-9 | alpha-Chlordane | 0.048 | U |
| 5103-74-2 | gamma-Chlordane | 0.048 | U |
| 8001-35-2 | Toxaphene | 4.8 | U |
| 12674-11-2 | Aroclor-1016 | 0.95 | U |
| 11104-28-2 | Aroclor-1221 | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | 0.95 | U |
| 53469-21-9 | Aroclor-1242 | 0.95 | U |
| 12672-29-6 | Aroclor-1248 | 0.95 | U |
| 11097-69-1 | Aroclor-1254 | 0.95 | U |
| 11096-82-5 | Aroclor-1260 | 0.95 | U |

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW3805

Lab Name: QUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS2

Matrix (soil/water): WATER Lab Sample ID: 18016-003

Level (low/med): LOW Date Received: 06/04/98

% 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 181 | B | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | U 3.4 | B | | P |
| 7440-39-3 | Barium | 31.5 | B | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 60000 | | | P |
| 7440-47-3 | Chromium | U 4.7 | B | | P |
| 7440-48-4 | Cobalt | 8.0 | B | | P |
| 7440-50-8 | Copper | U 21.6 | B | | P |
| 7439-89-6 | Iron | 3770 | | | P |
| 7439-92-1 | Lead | U 2.6 | B | | P |
| 7439-95-4 | Magnesium | 22100 | | | P |
| 7439-96-5 | Manganese | J 807 | | E | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 16.6 | B | | P |
| 7440-09-7 | Potassium | 2150 | U | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 6100 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | 4.4 | U | | P |
| 7440-66-6 | Zinc | U 67.2 | | | P |
| | Cyanide | 0.85 | U | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW39-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-20

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1060

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/09/98

GC Column: DB624 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 |
|---|---|---|---|---|
| 74-87-3 | Chloromethane (**) | UJ | 10 | U |
| 75-01-4 | Vinyl Chloride (*) | | 10 | U |
| 74-83-9 | Bromomethane | | 10 | U |
| 75-00-3 | Chloroethane | | 10 | U |
| 75-35-4 | 1,1-Dichloroethene (*) | | 10 | U |
| 67-64-1 | Acetone (xtra) | | 10 | U |
| 75-15-0 | Carbon Disulfide (xtra) | UJ | 10 | U |
| 75-09-2 | Methylene Chloride | | 10 | U |
| 540-59-0 | 1,2-dichloroethene (total) | J | 3 | J |
| 75-34-3 | 1,1-Dichloroethane (**) | UJ | 10 | U |
| 78-93-3 | 2-Butanone (xtra) | | 10 | U |
| 67-66-3 | Chloroform (*) | | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 10 | U |
| 56-23-5 | Carbon Tetrachloride | | 10 | U |
| 71-43-2 | Benzene | | 3 | J |
| 107-06-2 | 1,2-Dichloroethane | | 10 | U |
| 79-01-6 | Trichloroethene | | 10 | U |
| 78-87-5 | 1,2-Dichloropropane (*) | | 10 | U |
| 75-27-4 | Bromodichloromethane | | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | | 10 | U |
| 108-88-3 | Toluene (*) | | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene (xt | | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 10 | U |
| 127-18-4 | Tetrachloroethene | | 10 | U |
| 591-78-6 | 2-Hexanone (xtra) | | 10 | U |
| 124-48-1 | Dibromochloromethane | | 10 | U |
| 108-90-7 | Chlorobenzene (**) | | 10 | U |
| 1330-20-7 | Xylenes (total) | | 10 | U |
| 100-41-4 | Ethylbenzene (*) | | 10 | U |
| 100-42-5 | Styrene | | 10 | U |
| 75-25-2 | Bromoform (**) | | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane (** | | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW39-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-20

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1060

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/09/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 3

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | 5700 UNKNOWN | 2.37 | 6 | J |
| 2. 540-54-5 | PROPANE, 1-CHLORO- | 3.84 | 7 | NJ |
| 3. 108-20-3 | DIISOPROPYL ETHER | 4.78 | 7 | NJ |
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW39-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-001

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2314

Level: (low/med) LOW Date Received: 06/04/98

% Moisture: decanted: (Y/N) Date Extracted: 06/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

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 | U |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW39-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-001

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2314

Level: (low/med) LOW Date Received: 06/04/98

% Moisture: decanted: (Y/N) Date Extracted: 06/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

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 | | 25 | U |
| 100-02-7 | 4-Nitrophenol | | 25 | 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 | | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | | 25 | 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 | | 25 | 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 | | 1 | J |
| 206-44-0 | Fluoranthene | | 10 | U |
| 129-00-0 | Pyrene | | 10 | U |
| 85-68-7 | Butylbenzylphthalate | U | 2 | BJ |
| 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-Octyl Phthalate | | 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 |

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW39-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-001

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2314

Level: (low/med) LOW Date Received: 06/04/98

% Moisture: decanted: (Y/N) Date Extracted: 06/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 8

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 2.70 | 200 | J |
| 2. | UNKNOWN | 3.46 | 8 | J |
| 3. | UNKNOWN | 4.61 | 3 | J |
| 4. | UNKNOWN | 5.21 | 2 | J |
| 5. | UNKNOWN | 5.94 | 2 | J |
| 6. | UNKNOWN | 8.33 | 2 | J |
| 7. | UNKNOWN | 14.83 | 6 | J |
| 8. | UNKNOWN | 24.10 | 8 | J |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW39-05

b Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99599 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-20

Sample wt/vol: 1050 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/05/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/09/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/17/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | UJ 0.048 | U |
| 319-85-7 | beta-BHC | 0.048 | U |
| 319-86-8 | delta-BHC | 0.048 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.048 | U |
| 76-44-8 | Heptachlor | 0.048 | U |
| 309-00-2 | Aldrin | 0.048 | U |
| 1024-57-3 | Heptachlor epoxide | 0.048 | U |
| 959-98-8 | Endosulfan I | 0.048 | U |
| 60-57-1 | Dieldrin | 0.095 | U |
| 72-55-9 | 4,4'-DDE | 0.095 | U |
| 72-20-8 | Endrin | 0.095 | U |
| 33213-65-9 | Endosulfan II | 0.095 | U |
| 72-54-8 | 4,4'-DDD | 0.095 | U |
| 1031-07-8 | Endosulfan sulfate | 0.095 | U |
| 50-29-3 | 4,4'-DDT | 0.095 | U |
| 72-43-5 | Methoxychlor | 0.48 | U |
| 53494-70-5 | Endrin ketone | 0.095 | U |
| 7421-93-4 | Endrin aldehyde | 0.095 | U |
| 5103-71-9 | alpha-Chlordane | 0.048 | U |
| 5103-74-2 | gamma-Chlordane | 0.048 | U |
| 8001-35-2 | Toxaphene | 4.8 | U |
| 12674-11-2 | Aroclor-1016 | 0.95 | U |
| 11104-28-2 | Aroclor-1221 | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | 0.95 | U |
| 53469-21-9 | Aroclor-1242 | 0.95 | U |
| 12672-29-6 | Aroclor-1248 | 0.95 | U |
| 11097-69-1 | Aroclor-1254 | 0.95 | U |
| 11096-82-5 | Aroclor-1260 | 0.95 | U |

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW3905

Lab Name: QUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS1

Matrix (soil/water): WATER Lab Sample ID: 18016-001

Level (low/med): LOW Date Received: 06/04/98

% 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 68.2 | B | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | 1.9 | U | | P |
| 7440-39-3 | Barium | 74.4 | B | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 114000 | | | P |
| 7440-47-3 | Chromium | 2.1 | U | | P |
| 7440-48-4 | Cobalt | 3.8 | U | | P |
| 7440-50-8 | Copper | u 6.6 | B | | P |
| 7439-89-6 | Iron | 7890 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 21000 | | | P |
| 7439-96-5 | Manganese | 772 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 5940 | | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 145000 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | 5.6 | B | | P |
| 7440-66-6 | Zinc | 33.3 | | | P |
| | Cyanide | 1.2 | B | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW39-95

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99600 SAS No.: NA SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-1

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1061

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/09/98

GC Column: DB624 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 |
|---|---|---|---|
| 74-87-3 | Chloromethane (**) | 10 | U |
| 75-01-4 | Vinyl Chloride (*) | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene(*) | 10 | U |
| 67-64-1 | Acetone (xtra) | 10 | U |
| 75-15-0 | Carbon Disulfide (xtra) | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 540-59-0 | 1,2-dichloroethene (total) | 4 | J |
| 75-34-3 | 1,1-Dichloroethane (**) | 10 | U |
| 78-93-3 | 2-Butanone (xtra) | 10 | U |
| 67-66-3 | Chloroform (*) | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 3 | J |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 79-01-6 | Trichloroethene | 10 | U |
| 78-87-5 | 1,2-Dichloropropane(*) | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | 10 | U |
| 108-88-3 | Toluene (*) | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene(xt | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone (xtra) | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 108-90-7 | Chlorobenzene (**) | 10 | U |
| 1330-20-7 | Xylenes (total) | 10 | U |
| 100-41-4 | Ethylbenzene (*) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform (**) | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane(** | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW39-95

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99600 SAS No.: NA SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-1

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1061

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/09/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 3

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | 5700 UNKNOWN | 3.77 | 7 | J |
| 2. | UNKNOWN | 4.71 | 8 | J |
| 4. | | | | |
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW39-95

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18016-002

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2320

Level: (low/med) LOW Date Received: 06/04/98

% Moisture: decanted: (Y/N) Date Extracted: 06/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

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 | U |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW39-95

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18016-002

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2320

Level: (low/med) LOW Date Received: 06/04/98

% Moisture: decanted: (Y/N) Date Extracted: 06/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | 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 | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 25 | 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 | 1 | J |
| 206-44-0 | Fluoranthene | 10 | U |
| 129-00-0 | Pyrene | 10 | U |
| 85-68-7 | Butylbenzylphthalate | 2 | BJ |
| 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 | 1 | J |
| 117-84-0 | Di-n-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW39-95

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code. ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18016-002

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2320

Level: (low/med) LOW Date Received: 06/04/98

% Moisture: decanted: (Y/N) Date Extracted: 06/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 22

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 2.74 | 170 | J |
| 2. | UNKNOWN | 3.49 | 8 | J |
| 3. | UNKNOWN | 14.84 | 6 | J |
| 4. | UNKNOWN | 24.11 | 10 | J |
| 5. | UNKNOWN | 24.75 | 3 | J |
| 6. | UNKNOWN | 25.63 | 13 | J |
| 7. | UNKNOWN | 26.04 | 3 | J |
| 8. | UNKNOWN | 26.37 | 3 | J |
| 9. | UNKNOWN | 27.12 | 13 | J |
| 10. | UNKNOWN | 27.14 | 10 | J |
| 11. | UNKNOWN | 27.40 | 7 | J |
| 12. | UNKNOWN | 27.51 | 10 | J |
| 13. | UNKNOWN | 27.92 | 6 | J |
| 14. | UNKNOWN | 28.51 | 5 | J |
| 15. | UNKNOWN | 28.60 | 4 | J |
| 16. | UNKNOWN | 29.00 | 10 | J |
| 17. | UNKNOWN | 29.20 | 9 | J |
| 18. | UNKNOWN | 29.64 | 8 | J |
| 19. | UNKNOWN | 30.50 | 11 | J |
| 20. | UNKNOWN | 30.77 | 5 | J |
| 21. | UNKNOWN | 30.84 | 3 | J |
| 22. | UNKNOWN | 30.96 | 8 | J |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW39-95

Lab Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99600 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-1

Sample wt/vol: 1050 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/05/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/09/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/17/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.048 | U |
| 319-85-7 | beta-BHC | 0.048 | U |
| 319-86-8 | delta-BHC | 0.048 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.048 | U |
| 76-44-8 | Heptachlor | 0.048 | U |
| 309-00-2 | Aldrin | 0.048 | U |
| 1024-57-3 | Heptachlor epoxide | 0.048 | U |
| 959-98-8 | Endosulfan I | 0.048 | U |
| 60-57-1 | Dieldrin | 0.096 | U |
| 72-55-9 | 4,4'-DDE | 0.096 | U |
| 72-20-8 | Endrin | 0.096 | U |
| 33213-65-9 | Endosulfan II | 0.096 | U |
| 72-54-8 | 4,4'-DDD | 0.096 | U |
| 1031-07-8 | Endosulfan sulfate | 0.096 | U |
| 50-29-3 | 4,4'-DDT | 0.096 | U |
| 72-43-5 | Methoxychlor | 0.48 | U |
| 53494-70-5 | Endrin ketone | 0.096 | U |
| 7421-93-4 | Endrin aldehyde | 0.096 | U |
| 5103-71-9 | alpha-Chlordane | 0.048 | U |
| 5103-74-2 | gamma-Chlordane | 0.048 | U |
| 8001-35-2 | Toxaphene | 4.8 | U |
| 12674-11-2 | Aroclor-1016 | 0.96 | U |
| 11104-28-2 | Aroclor-1221 | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | 0.96 | U |
| 53469-21-9 | Aroclor-1242 | 0.96 | U |
| 12672-29-6 | Aroclor-1248 | 0.96 | U |
| 11097-69-1 | Aroclor-1254 | 0.96 | U |
| 11096-82-5 | Aroclor-1260 | 0.96 | U |

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW3995

Lab Name: QUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS2

Matrix (soil/water): WATER Lab Sample ID: 18016-002

Level (low/med): LOW Date Received: 06/04/98

% 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 | 71.9 | B | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | 1.9 | U | | P |
| 7440-39-3 | Barium | 76.3 | B | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 116000 | | | P |
| 7440-47-3 | Chromium | 2.1 | U | | P |
| 7440-48-4 | Cobalt | 3.8 | U | | P |
| 7440-50-8 | Copper | 59.0 | | | P |
| 7439-89-6 | Iron | 8080 | | | P |
| 7439-92-1 | Lead | 1.4 | B | | P |
| 7439-95-4 | Magnesium | 21400 | | | P |
| 7439-96-5 | Manganese | 801 | | E | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 6990 | | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 149000 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | 4.8 | B | | P |
| 7440-66-6 | Zinc | 57.2 | | | P |
| | Cyanide | 1.2 | B | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW40-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-15

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1076

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/10/98

GC Column: DB624 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 |
|---|---|---|---|
| 74-87-3 | Chloromethane (**) | 10 | U |
| 75-01-4 | Vinyl Chloride (*) | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene(*) | 10 | U |
| 67-64-1 | Acetone (xtra) | 10 | U |
| 75-15-0 | Carbon Disulfide (xtra) | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 540-59-0 | 1,2-dichloroethene (total) | 10 | U |
| 75-34-3 | 1,1-Dichloroethane (**) | 10 | U |
| 78-93-3 | 2-Butanone (xtra) | 10 | U |
| 67-66-3 | Chloroform (*) | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 4 | J |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 79-01-6 | Trichloroethene | 10 | U |
| 78-87-5 | 1,2-Dichloropropane(*) | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | 10 | U |
| 108-88-3 | Toluene (*) | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene(xt | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone (xtra) | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 108-90-7 | Chlorobenzene (**) | 10 | U |
| 1330-20-7 | Xylenes (total) | 10 | U |
| 100-41-4 | Ethylbenzene (*) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform (**) | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane(** | 10 | U |

1E

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW40-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-15

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1076

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/10/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 3

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | 5700 UNKNOWN | 2.32 | 9 | J |
| 2. | UNKNOWN | 3.66 | 18 | J |
| 3. | 5700 UNKNOWN | 23.36 | 8 | J |
| 4. | | | | |
| 5. | | | | |
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| 9. | | | | |
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| 29. | | | | |
| 30. | | | | |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW40-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-006

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7342

Level: (low/med) LOW Date Received: 06/04/98

% Moisture: decanted: (Y/N) Date Extracted: 06/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/16/98

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 | U |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW40-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-006

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7342

Level: (low/med) LOW Date Received: 06/04/98

% Moisture: decanted: (Y/N) Date Extracted: 06/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/16/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | 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 | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 25 | 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-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW40-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-006

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7342

Level: (low/med) LOW Date Received: 06/04/98

% Moisture: decanted: (Y/N) Date Extracted: 06/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/16/98

Injection Volume: 2.0(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 |
|---|---|---|---|---|
| 1. | UNKNOWN | 27.94 | 2 | J |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW40-05

Lab Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: FCAL Case No.: 99599 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-15

Sample wt/vol: 1050 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/05/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/09/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/17/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.048 | U |
| 319-85-7 | beta-BHC | 0.048 | U |
| 319-86-8 | delta-BHC | 0.048 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.048 | U |
| 76-44-8 | Heptachlor | 0.048 | U |
| 309-00-2 | Aldrin | 0.048 | U |
| 1024-57-3 | Heptachlor epoxide | 0.048 | U |
| 959-98-8 | Endosulfan I | 0.048 | U |
| 60-57-1 | Dieldrin | 0.095 | U |
| 72-55-9 | 4,4'-DDE | 0.095 | U |
| 72-20-8 | Endrin | 0.095 | U |
| 33213-65-9 | Endosulfan II | 0.095 | U |
| 72-54-8 | 4,4'-DDD | 0.095 | U |
| 1031-07-8 | Endosulfan sulfate | 0.095 | U |
| 50-29-3 | 4,4'-DDT | 0.095 | U |
| 72-43-5 | Methoxychlor | 0.48 | U |
| 53494-70-5 | Endrin ketone | 0.095 | U |
| 7421-93-4 | Endrin aldehyde | 0.095 | U |
| 5103-71-9 | alpha-Chlordane | 0.048 | U |
| 5103-74-2 | gamma-Chlordane | 0.048 | U |
| 8001-35-2 | Toxaphene | 4.8 | U |
| 12674-11-2 | Aroclor-1016 | 0.95 | U |
| 11104-28-2 | Aroclor-1221 | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | 0.95 | U |
| 53469-21-9 | Aroclor-1242 | 0.95 | U |
| 12672-29-6 | Aroclor-1248 | 0.95 | U |
| 11097-69-1 | Aroclor-1254 | 0.95 | U |
| 11096-82-5 | Aroclor-1260 | 0.95 | U |

UJ

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW4005

Lab Name: QUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS1

Matrix (soil/water): WATER Lab Sample ID: 18016-006

Level (low/med): LOW Date Received: 06/04/98

% 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 | 1280 | | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | u 3.6 | B | | P |
| 7440-39-3 | Barium | 29.6 | B | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 16700 | | | P |
| 7440-47-3 | Chromium | u 7.1 | B | | P |
| 7440-48-4 | Cobalt | 5.0 | B | | P |
| 7440-50-8 | Copper | u 9.0 | B | | P |
| 7439-89-6 | Iron | 4050 | | | P |
| 7439-92-1 | Lead | 3.2 | | | P |
| 7439-95-4 | Magnesium | 7220 | | | P |
| 7439-96-5 | Manganese | 318 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 3080 | B | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 4030 | B | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | 4.4 | U | | P |
| 7440-66-6 | Zinc | 29.0 | | | P |
| | Cyanide | 0.85 | U | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW41-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-6

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1037

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/08/98

GC Column: DB624 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 |
|---|---|---|---|---|
| 74-87-3 | Chloromethane (**) | UJ | 10 | U |
| 75-01-4 | Vinyl Chloride (*) | | 10 | U |
| 74-83-9 | Bromomethane | | 10 | U |
| 75-00-3 | Chloroethane | | 10 | U |
| 75-35-4 | 1,1-Dichloroethene(*) | | 10 | U |
| 67-64-1 | Acetone (xtra) | | 10 | U |
| 75-15-0 | Carbon Disulfide (xtra) | | 10 | U |
| 75-09-2 | Methylene Chloride | | 10 | U |
| 540-59-0 | 1,2-dichloroethene (total) | | 10 | U |
| 75-34-3 | 1,1-Dichloroethane (**) | | 10 | U |
| 78-93-3 | 2-Butanone (xtra) | | 10 | U |
| 67-66-3 | Chloroform (*) | | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 10 | U |
| 56-23-5 | Carbon Tetrachloride | | 10 | U |
| 71-43-2 | Benzene | | 1 | J |
| 107-06-2 | 1,2-Dichloroethane | | 10 | U |
| 79-01-6 | Trichloroethene | | 10 | U |
| 78-87-5 | 1,2-Dichloropropane(*) | | 10 | U |
| 75-27-4 | Bromodichloromethane | | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | | 10 | U |
| 108-88-3 | Toluene (*) | | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene(xt | | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 10 | U |
| 127-18-4 | Tetrachloroethene | | 10 | U |
| 591-78-6 | 2-Hexanone (xtra) | | 10 | U |
| 124-48-1 | Dibromochloromethane | | 10 | U |
| 108-90-7 | Chlorobenzene (**) | | 10 | U |
| 1330-20-7 | Xylenes (total) | | 10 | U |
| 100-41-4 | Ethylbenzene (*) | | 10 | U |
| 100-42-5 | Styrene | | 10 | U |
| 75-25-2 | Bromoform (**) | | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane(** | | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW41-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-6

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1037

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/08/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 4

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | 5700 UNKNOWN | 2.35 | 13 | J |
| 2. | UNKNOWN | 4.06 | 6 | J |
| 3. | UNKNOWN | 4.88 | 5 | J |
| 4. 91-20-3 | NAPHTHALENE | 22.61 | 6 | NJ |
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW41-05

Name: QUANTERRA MC Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-010

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2307

Level: (low/med) LOW Date Received: 06/03/98

% Moisture: decanted: (Y/N) Date Extracted: 06/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

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 | U |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW41-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-010

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2307

Level: (low/med) LOW Date Received: 06/03/98

% Moisture: decanted: (Y/N) Date Extracted: 06/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

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 | | 25 | U |
| 100-02-7 | 4-Nitrophenol | | 25 | 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 | | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | | 25 | 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 | | 25 | 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 | | 2 | J |
| 206-44-0 | Fluoranthene | | 10 | U |
| 129-00-0 | Pyrene | | 10 | U |
| 85-68-7 | Butylbenzylphthalate | U | 2 | BJ |
| 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 | U | 1 | J |
| 117-84-0 | Di-n-Octyl Phthalate | | 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 |

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW41-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-010

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2307

Level: (low/med) LOW Date Received: 06/03/98

% Moisture: decanted: (Y/N) Date Extracted: 06/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

Injection Volume: 2.0(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 |
|---|---|---|---|---|
| 1. | UNKNOWN | 2.70 | 180 | J |
| 2. | UNKNOWN | 3.45 | 6 | J |
| 3. | UNKNOWN | 4.59 | 2 | J |
| 4. | UNKNOWN | 5.20 | 2 | J |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW41-05

Lab Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99599 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-6

Sample wt/vol: 990.0 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/05/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/09/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/16/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.050 | U |
| 319-85-7 | beta-BHC | 0.050 | U |
| 319-86-8 | delta-BHC | 0.050 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.050 | U |
| 76-44-8 | Heptachlor | 0.050 | U |
| 309-00-2 | Aldrin | 0.050 | U |
| 1024-57-3 | Heptachlor epoxide | 0.050 | U |
| 959-98-8 | Endosulfan I | 0.050 | U |
| 60-57-1 | Dieldrin | 0.10 | U |
| 72-55-9 | 4,4'-DDE | 0.10 | U |
| 72-20-8 | Endrin | 0.10 | U |
| 33213-65-9 | Endosulfan II | 0.10 | U |
| 72-54-8 | 4,4'-DDD | 0.10 | U |
| 1031-07-8 | Endosulfan sulfate | 0.10 | U |
| 50-29-3 | 4,4'-DDT | 0.10 | U |
| 72-43-5 | Methoxychlor | 0.50 | U |
| 53494-70-5 | Endrin ketone | 0.10 | U |
| 7421-93-4 | Endrin aldehyde | 0.10 | U |
| 5103-71-9 | alpha-Chlordane | 0.050 | U |
| 5103-74-2 | gamma-Chlordane | 0.050 | U |
| 8001-35-2 | Toxaphene | 5.0 | U |
| 12674-11-2 | Aroclor-1016 | 1.0 | U |
| 11104-28-2 | Aroclor-1221 | 2.0 | U |
| 11141-16-5 | Aroclor-1232 | 1.0 | U |
| 53469-21-9 | Aroclor-1242 | 1.0 | U |
| 12672-29-6 | Aroclor-1248 | 1.0 | U |
| 11097-69-1 | Aroclor-1254 | 1.0 | U |
| 11096-82-5 | Aroclor-1260 | 1.0 | U |

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW4105

Lab Name: OUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS1

Matrix (soil/water): WATER Lab Sample ID: 18016-010

Level (low/med): LOW Date Received: 06/03/98

% 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 | 393 | | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | 3.6 | B | | P |
| 7440-39-3 | Barium | 19.0 | B | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 48400 | | | P |
| 7440-47-3 | Chromium | 5.4 | B | | P |
| 7440-48-4 | Cobalt | 3.8 | U | | P |
| 7440-50-8 | Copper | 4.2 | B | | P |
| 7439-89-6 | Iron | 428 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 15700 | | | P |
| 7439-96-5 | Manganese | 95.4 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 2170 | B | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 4080 | B | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | 4.4 | U | | P |
| 7440-66-6 | Zinc | 42.6 | | | P |
| | Cyanide | 0.85 | U | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW42-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-1

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1030

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/08/98

GC Column: DB624 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 |
|---|---|---|---|---|
| 74-87-3 | Chloromethane (**) | UJ | 10 | U |
| 75-01-4 | Vinyl Chloride (*) | | 10 | U |
| 74-83-9 | Bromomethane | | 10 | U |
| 75-00-3 | Chloroethane | | 10 | U |
| 75-35-4 | 1,1-Dichloroethene(*) | | 10 | U |
| 67-64-1 | Acetone (xtra) | | 10 | U |
| 75-15-0 | Carbon Disulfide (xtra) | | 10 | U |
| 75-09-2 | Methylene Chloride | | 10 | U |
| 540-59-0 | 1,2-dichloroethene (total) | | 10 | U |
| 75-34-3 | 1,1-Dichloroethane (**) | | 10 | U |
| 78-93-3 | 2-Butanone (xtra) | | 10 | U |
| 67-66-3 | Chloroform (*) | | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 10 | U |
| 56-23-5 | Carbon Tetrachloride | | 10 | U |
| 71-43-2 | Benzene | | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | | 10 | U |
| 79-01-6 | Trichloroethene | | 10 | U |
| 78-87-5 | 1,2-Dichloropropane(*) | | 10 | U |
| 75-27-4 | Bromodichloromethane | | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | | 10 | U |
| 108-88-3 | Toluene (*) | | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene(xt | | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 10 | U |
| 127-18-4 | Tetrachloroethene | | 10 | U |
| 591-78-6 | 2-Hexanone (xtra) | | 10 | U |
| 124-48-1 | Dibromochloromethane | | 10 | U |
| 108-90-7 | Chlorobenzene (**) | | 10 | U |
| 1330-20-7 | Xylenes (total) | | 10 | U |
| 100-41-4 | Ethylbenzene (*) | | 10 | U |
| 100-42-5 | Styrene | | 10 | U |
| 75-25-2 | Bromoform (**) | | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane(** | | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW42-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-1

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1030

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/08/98

GC Column: DB624 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 |
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW42-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-011

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2308

Level: (low/med) LOW Date Received: 06/03/98

% Moisture: decanted: (Y/N) Date Extracted: 06/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

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 | U |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW42-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-011

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2308

Level: (low/med) LOW Date Received: 06/03/98

% Moisture: decanted: (Y/N) Date Extracted: 06/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

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 | | 25 | U |
| 100-02-7 | 4-Nitrophenol | | 25 | 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 | | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | | 25 | 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 | | 25 | 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 | | 2 | J |
| 206-44-0 | Fluoranthene | | 10 | U |
| 129-00-0 | Pyrene | | 10 | U |
| 85-68-7 | Butylbenzylphthalate | u | 2 | BJ |
| 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 | u | 1 | J |
| 117-84-0 | Di-n-Octyl Phthalate | | 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 |

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

GWMW42-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-011

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2308

Level: (low/med) LOW Date Received: 06/03/98

% Moisture: decanted: (Y/N) Date Extracted: 06/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

Injection Volume: 2.0(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 |
|---|---|---|---|---|
| 1. | UNKNOWN | 2.70 | 190 | J |
| 2. | UNKNOWN | 3.46 | 8 | J |
| 3. | UNKNOWN | 5.94 | 3 | J |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW42-05

b Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99599 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-1

Sample wt/vol: 1050 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/05/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/09/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/16/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.047 | U |
| 319-85-7 | beta-BHC | 0.047 | U |
| 319-86-8 | delta-BHC | 0.047 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.047 | U |
| 76-44-8 | Heptachlor | 0.047 | U |
| 309-00-2 | Aldrin | 0.047 | U |
| 1024-57-3 | Heptachlor epoxide | 0.047 | U |
| 959-98-8 | Endosulfan I | 0.047 | U |
| 60-57-1 | Dieldrin | 0.095 | U |
| 72-55-9 | 4,4'-DDE | 0.095 | U |
| 72-20-8 | Endrin | 0.095 | U |
| 33213-65-9 | Endosulfan II | 0.095 | U |
| 72-54-8 | 4,4'-DDD | 0.095 | U |
| 1031-07-8 | Endosulfan sulfate | 0.095 | U |
| 50-29-3 | 4,4'-DDT | 0.095 | U |
| 72-43-5 | Methoxychlor | 0.47 | U |
| 53494-70-5 | Endrin ketone | 0.095 | U |
| 7421-93-4 | Endrin aldehyde | 0.095 | U |
| 5103-71-9 | alpha-Chlordane | 0.047 | U |
| 5103-74-2 | gamma-Chlordane | 0.047 | U |
| 8001-35-2 | Toxaphene | 4.7 | U |
| 12674-11-2 | Aroclor-1016 | 0.95 | U |
| 11104-28-2 | Aroclor-1221 | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | 0.95 | U |
| 53469-21-9 | Aroclor-1242 | 0.95 | U |
| 12672-29-6 | Aroclor-1248 | 0.95 | U |
| 11097-69-1 | Aroclor-1254 | 0.95 | U |
| 11096-82-5 | Aroclor-1260 | 0.95 | U |

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW4205

Lab Name: QUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS1

Matrix (soil/water): WATER Lab Sample ID: 18016-011

Level (low/med): LOW Date Received: 06/03/98

% 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 24.4 | B | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | 1.9 | U | | P |
| 7440-39-3 | Barium | 62.8 | B | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 108000 | | | P |
| 7440-47-3 | Chromium | 2.1 | U | | P |
| 7440-48-4 | Cobalt | 3.8 | U | | P |
| 7440-50-8 | Copper | 3.6 | U | | P |
| 7439-89-6 | Iron | 1100 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 40200 | | | P |
| 7439-96-5 | Manganese | 576 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 2340 | B | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 14200 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | 6.8 | B | | P |
| 7440-66-6 | Zinc | 17.9 | B | | P |
| | Cyanide | 0.85 | U | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW42-95

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-2

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1033

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/08/98

GC Column: DB624 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 |
|---|---|---|---|
| 74-87-3 | Chloromethane (**) | 10 | U |
| 75-01-4 | Vinyl Chloride (*) | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene(*) | 10 | U |
| 67-64-1 | Acetone (xtra) | 10 | U |
| 75-15-0 | Carbon Disulfide (xtra) | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 540-59-0 | 1,2-dichloroethene (total) | 10 | U |
| 75-34-3 | 1,1-Dichloroethane (**) | 10 | U |
| 78-93-3 | 2-Butanone (xtra) | 10 | U |
| 67-66-3 | Chloroform (*) | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 79-01-6 | Trichloroethene | 10 | U |
| 78-87-5 | 1,2-Dichloropropane(*) | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | 10 | U |
| 108-88-3 | Toluene (*) | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene(xt | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone (xtra) | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 108-90-7 | Chlorobenzene (**) | 10 | U |
| 1330-20-7 | Xylenes (total) | 10 | U |
| 100-41-4 | Ethylbenzene (*) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform (**) | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane(** | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW42-95

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-2

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1033

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/08/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 2

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | 5700 UNKNOWN | 2.35 | 11 | J |
| 2. | 5700 UNKNOWN | 4.40 | 11 | J |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWMW42-95

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-012

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2309

Level: (low/med) LOW Date Received: 06/03/98

% Moisture: decanted: (Y/N) Date Extracted: 06/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

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 | U |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWMW42-95

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-012

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2309

Level: (low/med) LOW Date Received: 06/03/98

% Moisture: decanted: (Y/N) Date Extracted: 06/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | U |
| 132-64-9 | Dibenzofuran | 10 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 10 | U |
| 84-66-2 | Diethylphthalate | 45 | |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7 | Fluorene | 10 | U |
| 100-01-6 | 4-Nitroaniline | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 25 | 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 | 1 | J |
| 206-44-0 | Fluoranthene | 10 | U |
| 129-00-0 | Pyrene | 10 | U |
| 85-68-7 | Butylbenzylphthalate | 1 | BJ |
| 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 | 1 | J |
| 117-84-0 | Di-n-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

GWMW42-95

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-012

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2309

Level: (low/med) LOW Date Received: 06/03/98

% Moisture: decanted: (Y/N) Date Extracted: 06/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

Injection Volume: 2.0(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 |
|---|---|---|---|---|
| 1. | UNKNOWN | 2.72 | 190 | J |
| 2. | UNKNOWN | 3.47 | 8 | J |
| 3. | UNKNOWN | 27.50 | 3 | J |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW42-95

ab Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99599 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-2

Sample wt/vol: 1050 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/05/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/09/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/16/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.048 | U |
| 319-85-7 | beta-BHC | 0.048 | U |
| 319-86-8 | delta-BHC | 0.048 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.048 | U |
| 76-44-8 | Heptachlor | 0.048 | U |
| 309-00-2 | Aldrin | 0.048 | U |
| 1024-57-3 | Heptachlor epoxide | 0.048 | U |
| 959-98-8 | Endosulfan I | 0.048 | U |
| 60-57-1 | Dieldrin | 0.095 | U |
| 72-55-9 | 4,4'-DDE | 0.095 | U |
| 72-20-8 | Endrin | 0.095 | U |
| 33213-65-9 | Endosulfan II | 0.095 | U |
| 72-54-8 | 4,4'-DDD | 0.095 | U |
| 1031-07-8 | Endosulfan sulfate | 0.095 | U |
| 50-29-3 | 4,4'-DDT | 0.095 | U |
| 72-43-5 | Methoxychlor | 0.48 | U |
| 53494-70-5 | Endrin ketone | 0.095 | U |
| 7421-93-4 | Endrin aldehyde | 0.095 | U |
| 5103-71-9 | alpha-Chlordane | 0.048 | U |
| 5103-74-2 | gamma-Chlordane | 0.048 | U |
| 8001-35-2 | Toxaphene | 4.8 | U |
| 12674-11-2 | Aroclor-1016 | 0.95 | U |
| 11104-28-2 | Aroclor-1221 | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | 0.95 | U |
| 53469-21-9 | Aroclor-1242 | 0.95 | U |
| 12672-29-6 | Aroclor-1248 | 0.95 | U |
| 11097-69-1 | Aroclor-1254 | 0.95 | U |
| 11096-82-5 | Aroclor-1260 | 0.95 | U |

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW4295

Lab Name: QUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS1

Matrix (soil/water): WATER Lab Sample ID: 18016-012

Level (low/med): LOW Date Received: 06/03/98

% 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 | 27.6 | B | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | 3.4 | B | | P |
| 7440-39-3 | Barium | 64.3 | B | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 110000 | | | P |
| 7440-47-3 | Chromium | 2.1 | U | | P |
| 7440-48-4 | Cobalt | 3.8 | U | | P |
| 7440-50-8 | Copper | 3.6 | U | | P |
| 7439-89-6 | Iron | 1360 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 41200 | | | P |
| 7439-96-5 | Manganese | 580 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 2150 | U | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 14900 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | 5.5 | B | | P |
| 7440-66-6 | Zinc | 14.1 | B | | P |
| | Cyanide | 0.85 | U | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW42-05MS

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-1MS

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1031

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/08/98

GC Column: DB624 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 |
|---|---|---|---|
| 74-87-3 | Chloromethane (**) | 10 | U |
| 75-01-4 | Vinyl Chloride (*) | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene(*) | 46 | |
| 67-64-1 | Acetone (xtra) | 10 | U |
| 75-15-0 | Carbon Disulfide (xtra) | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 540-59-0 | 1,2-dichloroethene (total) | 10 | U |
| 75-34-3 | 1,1-Dichloroethane (**) | 10 | U |
| 78-93-3 | 2-Butanone (xtra) | 10 | U |
| 67-66-3 | Chloroform (*) | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 48 | |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 79-01-6 | Trichloroethene | 48 | |
| 78-87-5 | 1,2-Dichloropropane(*) | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | 10 | U |
| 108-88-3 | Toluene (*) | 49 | |
| 10061-02-6 | trans-1,3-Dichloropropene(xt | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone (xtra) | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 108-90-7 | Chlorobenzene (**) | 49 | |
| 1330-20-7 | Xylenes (total) | 10 | U |
| 100-41-4 | Ethylbenzene (*) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform (**) | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane(** | 10 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW42-05MSD

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-1MSD

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1032

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/08/98

GC Column: DB624 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 |
|---|---|---|---|
| 74-87-3 | Chloromethane (**) | 10 | U |
| 75-01-4 | Vinyl Chloride (*) | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene(*) | 45 | |
| 67-64-1 | Acetone (xtra) | 10 | U |
| 75-15-0 | Carbon Disulfide (xtra) | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 540-59-0 | 1,2-dichloroethene (total) | 10 | U |
| 75-34-3 | 1,1-Dichloroethane (**) | 10 | U |
| 78-93-3 | 2-Butanone (xtra) | 10 | U |
| 67-66-3 | Chloroform (*) | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 46 | |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 79-01-6 | Trichloroethene | 47 | |
| 78-87-5 | 1,2-Dichloropropane(*) | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | 10 | U |
| 108-88-3 | Toluene (*) | 49 | |
| 10061-02-6 | trans-1,3-Dichloropropene(xt | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone (xtra) | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 108-90-7 | Chlorobenzene (**) | 49 | |
| 1330-20-7 | Xylenes (total) | 10 | U |
| 100-41-4 | Ethylbenzene (*) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform (**) | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane(** | 10 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW43-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-3

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1034

Level: (low/med) LOW Date Received: 01/05/70

% Moisture: not dec. _____ Date Analyzed: 06/08/98

GC Column: DB624 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 |
|---|---|---|---|---|
| 74-87-3 | Chloromethane (**) | UJ | 10 | U |
| 75-01-4 | Vinyl Chloride (*) | | 10 | U |
| 74-83-9 | Bromomethane | | 10 | U |
| 75-00-3 | Chloroethane | | 10 | U |
| 75-35-4 | 1,1-Dichloroethene(*) | | 10 | U |
| 67-64-1 | Acetone (xtra) | | 10 | U |
| 75-15-0 | Carbon Disulfide (xtra) | | 10 | U |
| 75-09-2 | Methylene Chloride | | 10 | U |
| 540-59-0 | 1,2-dichloroethene (total) | | 10 | U |
| 75-34-3 | 1,1-Dichloroethane (**) | | 10 | U |
| 78-93-3 | 2-Butanone (xtra) | | 10 | U |
| 67-66-3 | Chloroform (*) | | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 10 | U |
| 56-23-5 | Carbon Tetrachloride | | 10 | U |
| 71-43-2 | Benzene | | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | | 10 | U |
| 79-01-6 | Trichloroethene | | 10 | U |
| 78-87-5 | 1,2-Dichloropropane(*) | | 10 | U |
| 75-27-4 | Bromodichloromethane | | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | | 10 | U |
| 108-88-3 | Toluene (*) | | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene(xt | | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 10 | U |
| 127-18-4 | Tetrachloroethene | | 10 | U |
| 591-78-6 | 2-Hexanone (xtra) | | 10 | U |
| 124-48-1 | Dibromochloromethane | | 10 | U |
| 108-90-7 | Chlorobenzene (**) | | 10 | U |
| 1330-20-7 | Xylenes (total) | | 10 | U |
| 100-41-4 | Ethylbenzene (*) | | 10 | U |
| 100-42-5 | Styrene | | 10 | U |
| 75-25-2 | Bromoform (**) | | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane(** | | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW43-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-3

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1034

Level: (low/med) LOW Date Received: 01/05/70

% Moisture: not dec. _____ Date Analyzed: 06/08/98

GC Column: DB624 ID: 0.53 (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 |
|---|---|---|---|---|
| 1. | 5700 UNKNOWN | 2.38 | 6 | J |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW43-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-013

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2310

Level: (low/med) LOW Date Received: 06/03/98

% Moisture: decanted: (Y/N) Date Extracted: 06/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

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 | U |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWMW43-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-013

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2310

Level: (low/med) LOW Date Received: 06/03/98

% Moisture: decanted: (Y/N) Date Extracted: 06/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

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 | | 25 | U |
| 100-02-7 | 4-Nitrophenol | | 25 | 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 | | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | | 25 | 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 | | 25 | 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 | | 2 | J |
| 206-44-0 | Fluoranthene | | 10 | U |
| 129-00-0 | Pyrene | | 10 | U |
| 85-68-7 | Butylbenzylphthalate | U | 2 | BJ |
| 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 | U | 1 | J |
| 117-84-0 | Di-n-Octyl Phthalate | | 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 |

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW43-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-013

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2310

Level: (low/med) LOW Date Received: 06/03/98

% Moisture: decanted: (Y/N) Date Extracted: 06/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 7

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 2.71 | 45 | J |
| 2. | UNKNOWN | 2.79 | 3 | J |
| 3. | UNKNOWN | 3.47 | 6 | J |
| 4. | UNKNOWN | 5.94 | 3 | J |
| 5. | UNKNOWN | 6.40 | 7 | J |
| 6. | UNKNOWN | 7.23 | 3 | J |
| 7. | UNKNOWN | 27.51 | 3 | J |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW43-05

b Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99599 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-3

Sample wt/vol: 1060 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/05/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/09/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/16/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.047 | U |
| 319-85-7 | beta-BHC | 0.047 | U |
| 319-86-8 | delta-BHC | 0.047 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.047 | U |
| 76-44-8 | Heptachlor | 0.047 | U |
| 309-00-2 | Aldrin | 0.047 | U |
| 1024-57-3 | Heptachlor epoxide | 0.047 | U |
| 959-98-8 | Endosulfan I | 0.047 | U |
| 60-57-1 | Dieldrin | 0.095 | U |
| 72-55-9 | 4,4'-DDE | 0.095 | U |
| 72-20-8 | Endrin | 0.095 | U |
| 33213-65-9 | Endosulfan II | 0.095 | U |
| 72-54-8 | 4,4'-DDD | 0.095 | U |
| 1031-07-8 | Endosulfan sulfate | 0.095 | U |
| 50-29-3 | 4,4'-DDT | 0.095 | U |
| 72-43-5 | Methoxychlor | 0.47 | U |
| 53494-70-5 | Endrin ketone | 0.095 | U |
| 7421-93-4 | Endrin aldehyde | 0.095 | U |
| 5103-71-9 | alpha-Chlordane | 0.047 | U |
| 5103-74-2 | gamma-Chlordane | 0.047 | U |
| 8001-35-2 | Toxaphene | 4.7 | U |
| 12674-11-2 | Aroclor-1016 | 0.95 | U |
| 11104-28-2 | Aroclor-1221 | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | 0.95 | U |
| 53469-21-9 | Aroclor-1242 | 0.95 | U |
| 12672-29-6 | Aroclor-1248 | 0.95 | U |
| 11097-69-1 | Aroclor-1254 | 0.95 | U |
| 11096-82-5 | Aroclor-1260 | 0.95 | U |

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW4305

Lab Name: QUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS1

Matrix (soil/water): WATER Lab Sample ID: 18016-013

Level (low/med): LOW Date Received: 06/03/98

% 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 | 45.7 | U | | P |
| 7440-38-2 | Arsenic | 35.7 | | | P |
| 7440-39-3 | Barium | 67.8 | B | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 111000 | | | P |
| 7440-47-3 | Chromium | u 6.2 | B | | P |
| 7440-48-4 | Cobalt | 4.6 | B | | P |
| 7440-50-8 | Copper | u 7.9 | B | | P |
| 7439-89-6 | Iron | 16800 | | | P |
| 7439-92-1 | Lead | 3.7 | | | P |
| 7439-95-4 | Magnesium | 49000 | | | P |
| 7439-96-5 | Manganese | 320 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 2150 | U | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 12300 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | 9.1 | B | | P |
| 7440-66-6 | Zinc | 38.5 | | | P |
| | Cyanide | 0.85 | U | | AS |

Color Before: COLORLESS Clarity Before: CLOUDY Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW44-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-4

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1035

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/08/98

GC Column: DB624 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 |
|---|---|---|---|---|
| 74-87-3 | Chloromethane (**) | UJ | 10 | U |
| 75-01-4 | Vinyl Chloride (*) | | 10 | U |
| 74-83-9 | Bromomethane | | 10 | U |
| 75-00-3 | Chloroethane | | 10 | U |
| 75-35-4 | 1,1-Dichloroethene(*) | | 10 | U |
| 67-64-1 | Acetone (xtra) | | 10 | U |
| 75-15-0 | Carbon Disulfide (xtra) | | 10 | U |
| 75-09-2 | Methylene Chloride | | 10 | U |
| 540-59-0 | 1,2-dichloroethene (total) | | 10 | U |
| 75-34-3 | 1,1-Dichloroethane (**) | | 10 | U |
| 78-93-3 | 2-Butanone (xtra) | | 10 | U |
| 67-66-3 | Chloroform (*) | | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 10 | U |
| 56-23-5 | Carbon Tetrachloride | | 10 | U |
| 71-43-2 | Benzene | | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | | 10 | U |
| 79-01-6 | Trichloroethene | | 10 | U |
| 78-87-5 | 1,2-Dichloropropane(*) | | 10 | U |
| 75-27-4 | Bromodichloromethane | | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | | 10 | U |
| 108-88-3 | Toluene (*) | | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene(xt | | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 10 | U |
| 127-18-4 | Tetrachloroethene | | 10 | U |
| 591-78-6 | 2-Hexanone (xtra) | | 10 | U |
| 124-48-1 | Dibromochloromethane | | 10 | U |
| 108-90-7 | Chlorobenzene (**) | | 10 | U |
| 1330-20-7 | Xylenes (total) | | 10 | U |
| 100-41-4 | Ethylbenzene (*) | | 10 | U |
| 100-42-5 | Styrene | | 10 | U |
| 75-25-2 | Bromoform (**) | | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane(** | | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW44-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-4

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1035

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/08/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 2

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | 5700 UNKNOWN | 2.38 | 12 | J |
| 2. | 5700 UNKNOWN | 4.44 | 8 | J |
| 3. | | | | |
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW44-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-014

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2311

Level: (low/med) LOW Date Received: 06/03/98

% Moisture: decanted: (Y/N) Date Extracted: 06/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

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 | U |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW44-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-014

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2311

Level: (low/med) LOW Date Received: 06/03/98

% Moisture: decanted: (Y/N) Date Extracted: 06/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

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 | | 25 | U |
| 100-02-7 | 4-Nitrophenol | | 25 | 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 | | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | | 25 | 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 | | 25 | 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 | | 2 | J |
| 206-44-0 | Fluoranthene | | 10 | U |
| 129-00-0 | Pyrene | | 10 | U |
| 85-68-7 | Butylbenzylphthalate | U | 2 | BJ |
| 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-Octyl Phthalate | | 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 |

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW44-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-014

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2311

Level: (low/med) LOW Date Received: 06/03/98

% Moisture: decanted: (Y/N) Date Extracted: 06/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

Injection Volume: 2.0(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 |
|---|---|---|---|---|
| 1. | UNKNOWN | 2.71 | 190 | J |
| 2. | UNKNOWN | 3.46 | 7 | J |
| 3. | UNKNOWN | 4.61 | 2 | J |
| 4. | UNKNOWN | 5.21 | 2 | J |
| 5. | UNKNOWN | 5.94 | 3 | J |
| 6. | UNKNOWN | 27.51 | 2 | J |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW44-05

b Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99599 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-4

Sample wt/vol: 1060 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/05/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/09/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/16/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q |
|---|---|---|---|---|
| 319-84-6 | alpha-BHC | UJ | 0.047 | U |
| 319-85-7 | beta-BHC | | 0.047 | U |
| 319-86-8 | delta-BHC | | 0.047 | U |
| 58-89-9 | gamma-BHC (Lindane) | | 0.047 | U |
| 76-44-8 | Heptachlor | | 0.047 | U |
| 309-00-2 | Aldrin | | 0.047 | U |
| 1024-57-3 | Heptachlor epoxide | | 0.047 | U |
| 959-98-8 | Endosulfan I | | 0.047 | U |
| 60-57-1 | Dieldrin | | 0.095 | U |
| 72-55-9 | 4,4'-DDE | | 0.095 | U |
| 72-20-8 | Endrin | | 0.095 | U |
| 33213-65-9 | Endosulfan II | | 0.095 | U |
| 72-54-8 | 4,4'-DDD | | 0.095 | U |
| 1031-07-8 | Endosulfan sulfate | | 0.095 | U |
| 50-29-3 | 4,4'-DDT | | 0.095 | U |
| 72-43-5 | Methoxychlor | | 0.47 | U |
| 53494-70-5 | Endrin ketone | | 0.095 | U |
| 7421-93-4 | Endrin aldehyde | | 0.095 | U |
| 5103-71-9 | alpha-Chlordane | | 0.047 | U |
| 5103-74-2 | gamma-Chlordane | | 0.047 | U |
| 8001-35-2 | Toxaphene | | 4.7 | U |
| 12674-11-2 | Aroclor-1016 | | 0.95 | U |
| 11104-28-2 | Aroclor-1221 | | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | | 0.95 | U |
| 53469-21-9 | Aroclor-1242 | | 0.95 | U |
| 12672-29-6 | Aroclor-1248 | | 0.95 | U |
| 11097-69-1 | Aroclor-1254 | | 0.95 | U |
| 11096-82-5 | Aroclor-1260 | | 0.95 | U |

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW4405

Lab Name: QUANTERRA_MO Contract: 707.03
Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS1
Matrix (soil/water): WATER Lab Sample ID: 18016-014
Level (low/med): LOW Date Received: 06/03/98
% 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 34.1 | B | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | U 9.6 | B | | P |
| 7440-39-3 | Barium | 105 | B | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 84900 | | | P |
| 7440-47-3 | Chromium | 19.6 | | | P |
| 7440-48-4 | Cobalt | 3.8 | U | | P |
| 7440-50-8 | Copper | 3.6 | U | | P |
| 7439-89-6 | Iron | 1860 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 36600 | | | P |
| 7439-96-5 | Manganese | 35.2 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 2900 | B | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 19100 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | 4.4 | U | | P |
| 7440-66-6 | Zinc | 16.4 | B | | P |
| | Cyanide | 0.85 | U | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:
Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW45-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-5

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1036

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/08/98

GC Column: DB624 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 |
|---|---|---|---|---|
| 74-87-3 | Chloromethane (**) | uJ | 10 | U |
| 75-01-4 | Vinyl Chloride (*) | uJ | 10 | U |
| 74-83-9 | Bromomethane | uJ | 10 | U |
| 75-00-3 | Chloroethane | J | 120 | |
| 75-35-4 | 1,1-Dichloroethene(*) | uJ | 10 | U |
| 67-64-1 | Acetone (xtra) | uJ | 10 | U |
| 75-15-0 | Carbon Disulfide (xtra) | uJ | 10 | U |
| 75-09-2 | Methylene Chloride | uJ | 1 | J |
| 540-59-0 | 1,2-dichloroethene (total) | J | 4 | J |
| 75-34-3 | 1,1-Dichloroethane (**) | uJ | 10 | U |
| 78-93-3 | 2-Butanone (xtra) | uJ | 10 | U |
| 67-66-3 | Chloroform (*) | uJ | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | uJ | 10 | U |
| 56-23-5 | Carbon Tetrachloride | uJ | 10 | U |
| 71-43-2 | Benzene | | 640 | E |
| 107-06-2 | 1,2-Dichloroethane | | 12 | |
| 79-01-6 | Trichloroethene | uJ | 10 | U |
| 78-87-5 | 1,2-Dichloropropane(*) | uJ | 10 | U |
| 75-27-4 | Bromodichloromethane | | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | | 10 | U |
| 108-88-3 | Toluene (*) | | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene(xt | | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 10 | U |
| 127-18-4 | Tetrachloroethene | | 10 | U |
| 591-78-6 | 2-Hexanone (xtra) | | 10 | U |
| 124-48-1 | Dibromochloromethane | uJ | 10 | U |
| 108-90-7 | Chlorobenzene (**) | J | 30 | |
| 1330-20-7 | Xylenes (total) | J | 23 | |
| 100-41-4 | Ethylbenzene (*) | J | 4 | J |
| 100-42-5 | Styrene | uJ | 10 | U |
| 75-25-2 | Bromoform (**) | uJ | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane(** | uJ | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW45-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-5

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1036

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/08/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 17

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 111-43-3 | DI-N-PROPYL ETHER | 7.02 | 6 | NJ |
| 2. 108-87-2 | CYCLOHEXANE, METHYL- | 8.01 | 12 | NJ |
| 3. 100-40-3 | CYCLOHEXENE, 4-ETHENYL- | 11.95 | 21 | NJ |
| 4. 98-82-8 | BENZENE, (1-METHYLETHYL)- | 15.16 | 22 | NJ |
| 5. 103-65-1 | BENZENE, PROPYL- | 16.10 | 20 | NJ |
| 6. 611-14-3 | BENZENE, 1-ETHYL-2-METHYL- | 16.95 | 6 | NJ |
| 7. 526-73-8 | BENZENE, 1,2,3-TRIMETHYL- | 17.37 | 230 | NJ |
| 8. 95-36-3 | 1,2,4-TRIMETHYLBENZENE | 18.33 | 58 | NJ |
| 9. 496-11-7 | INDANE | 18.74 | 40 | NJ |
| 10. 106-46-7 | BENZENE, 1,4-DICHLORO- | 19.00 | 8 | NJ |
| 11. 933-98-2 | BENZENE, 1-ETHYL-2,3-DIMETHY | 19.72 | 12 | NJ |
| 12. 933-98-2 | BENZENE, 1-ETHYL-2,3-DIMETHY | 19.95 | 9 | NJ |
| 13. 27133-93-3 | 2,3-DIHYDRO-1-METHYLINDENE | 20.14 | 6 | NJ |
| 14. 874-41-9 | BENZENE, 1-ETHYL-2,4-DIMETHY | 20.97 | 25 | NJ |
| 15. 824-22-6 | 1H-INDENE, 2,3-DIHYDRO-4-MET | 21.44 | 7 | NJ |
| 16. 2039-90-9 | BENZENE, 2-ETHENYL-1,3-DIMET | 21.72 | 20 | NJ |
| 17. 275-51-4 | AZULENE | 22.61 | 78 | NJ |
| 18. | | | | |
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW45-05DL

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-5DL

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1053

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/09/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 5.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 74-87-3 | Chloromethane (**) | 50 | U |
| 75-01-4 | Vinyl Chloride (*) | 50 | U |
| 74-83-9 | Bromomethane | 50 | U |
| 75-00-3 | Chloroethane | 130 | D |
| 75-35-4 | 1,1-Dichloroethene(*) | 50 | U |
| 67-64-1 | Acetone (xtra) | 50 | U |
| 75-15-0 | Carbon Disulfide (xtra) | 50 | U |
| 75-09-2 | Methylene Chloride | 50 | U |
| 540-59-0 | 1,2-dichloroethene (total) | 6 | DJ |
| 75-34-3 | 1,1-Dichloroethane (**) | 50 | U |
| 78-93-3 | 2-Butanone (xtra) | 50 | U |
| 67-66-3 | Chloroform (*) | 50 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 50 | U |
| 56-23-5 | Carbon Tetrachloride | 50 | U |
| 71-43-2 | Benzene | 670 | D |
| 107-06-2 | 1,2-Dichloroethane | 12 | DJ |
| 79-01-6 | Trichloroethene | 50 | U |
| 78-87-5 | 1,2-Dichloropropane(*) | 50 | U |
| 75-27-4 | Bromodichloromethane | 50 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | 50 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | 50 | U |
| 108-88-3 | Toluene (*) | 50 | U |
| 10061-02-6 | trans-1,3-Dichloropropene(xt | 50 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 50 | U |
| 127-18-4 | Tetrachloroethene | 50 | U |
| 591-78-6 | 2-Hexanone (xtra) | 50 | U |
| 124-48-1 | Dibromochloromethane | 50 | U |
| 108-90-7 | Chlorobenzene (**) | 31 | DJ |
| 1330-20-7 | Xylenes (total) | 22 | DJ |
| 100-41-4 | Ethylbenzene (*) | 50 | U |
| 100-42-5 | Styrene | 50 | U |
| 75-25-2 | Bromoform (**) | 50 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane(** | 50 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW45-05DL

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-5DL

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1053

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/09/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 5.0

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

Number TICs found: 10

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 110-82-7 | CYCLOHEXANE | 6.13 | 28 | NJD |
| 2. 100-40-3 | CYCLOHEXENE, 4-ETHENYL- | 11.91 | 28 | NJD |
| 3. 98-82-8 | BENZENE, (1-METHYLETHYL)- | 15.10 | 32 | NJD |
| 4. 103-65-1 | BENZENE, PROPYL- | 16.04 | 31 | NJD |
| 5. 526-73-8 | BENZENE, 1,2,3-TRIMETHYL- | 17.31 | 360 | NJD |
| 6. 526-73-8 | BENZENE, 1,2,3-TRIMETHYL- | 18.27 | 87 | NJD |
| 7. 873-66-5 | BENZENE, 1-PROPENYL-, (E)- | 18.69 | 58 | NJD |
| 8. 95-93-2 | BENZENE, 1,2,4,5-TETRAMETHYL | 20.95 | 35 | NJD |
| 9. 2039-89-6 | BENZENE, 2-ETHENYL-1,4-DIMET | 21.70 | 28 | NJD |
| 10. 275-51-4 | AZULENE | 22.61 | 100 | NJD |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW45-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-009

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2306

Level: (low/med) LOW Date Received: 06/03/98

% Moisture: decanted: (Y/N) Date Extracted: 06/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

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 | 20 | |
| 111-44-4 | bis(2-Chloroethyl)Ether | 7 | J |
| 95-57-8 | 2-Chlorophenol | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 2 | J |
| 95-50-1 | 1,2-Dichlorobenzene | 4 | J |
| 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 | 92 | E |
| 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 | 2 | J |
| 77-47-4 | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW45-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-009

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2306

Level: (low/med) LOW Date Received: 06/03/98

% Moisture: decanted: (Y/N) Date Extracted: 06/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

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 | | 25 | U |
| 100-02-7 | 4-Nitrophenol | | 25 | 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 | | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | | 25 | 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 | | 25 | 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 | | 2 | J |
| 206-44-0 | Fluoranthene | | 10 | U |
| 129-00-0 | Pyrene | | 10 | U |
| 85-68-7 | Butylbenzylphthalate | u | 2 | BJ |
| 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 | u | 2 | J |
| 117-84-0 | Di-n-Octyl Phthalate | | 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 |

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

GWMW45-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-009

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2306

Level: (low/med) LOW Date Received: 06/03/98

% Moisture: decanted: (Y/N) Date Extracted: 06/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 22

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | ALDOL CONDENSATION | 2.70 | 190 | J |
| 2. | UNKNOWN | 3.46 | 8 | J |
| 3. | UNKNOWN | 4.04 | 10 | J |
| 4. 108907 | Benzene, chloro- | 4.22 | 12 | JN |
| 5. 1330207 | XYLENE | 4.61 | 10 | JN |
| 6. | UNKNOWN | 5.56 | 13 | J |
| 7. 103651 | Benzene, propyl- | 6.07 | 12 | JN |
| 8. 526738 | Benzene, 1,2,3-trimethyl- | 6.82 | 180 | JN |
| 9. 526738 | Benzene, 1,2,3-trimethyl- | 7.32 | 54 | JN |
| 10. 1758889 | Benzene, 2-ethyl-1,4-dimethy | 8.25 | 9 | JN |
| 11. | UNKNOWN | 8.33 | 7 | J |
| 12. | UNKNOWN | 8.77 | 6 | J |
| 13. 527537 | Benzene, 1,2,3,5-tetramethyl | 8.92 | 6 | JN |
| 14. 527537 | Benzene, 1,2,3,5-tetramethyl | 9.00 | 10 | JN |
| 15. 874351 | 1H-Indene, 2,3-dihydro-5-met | 9.32 | 6 | JN |
| 16. 767588 | 1H-Indene, 2,3-dihydro-1-met | 9.51 | 15 | JN |
| 17. 90120 | Naphthalene, 1-methyl- | 12.07 | 6 | JN |
| 18. | UNKNOWN | 12.61 | 4 | J |
| 19. | UNKNOWN | 13.36 | 4 | J |
| 20. | UNKNOWN | 13.47 | 3 | J |
| 21. | UNKNOWN | 13.65 | 5 | J |
| 22. | UNKNOWN | 18.42 | 9 | J |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE

GWMW45-05DL

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-009DL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7463

Level: (low/med) LOW Date Received: 06/03/98

% Moisture: decanted: (Y/N) Date Extracted: 06/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/23/98

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 | 17 | DJ |
| 111-44-4 | bis(2-Chloroethyl)Ether | 6 | DJ |
| 95-57-8 | 2-Chlorophenol | 20 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 20 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 2 | DJ |
| 95-50-1 | 1,2-Dichlorobenzene | 4 | DJ |
| 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 | 96 | D |
| 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 | 2 | DJ |
| 77-47-4 | Hexachlorocyclopentadiene | 20 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 20 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 50 | U |
| 91-58-7 | 2-Chloronaphthalene | 20 | U |
| 88-74-4 | 2-Nitroaniline | 50 | U |
| 131-11-3 | Dimethyl Phthalate | 20 | U |
| 208-96-8 | Acenaphthylene | 20 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 20 | U |
| 99-09-2 | 3-Nitroaniline | 50 | U |
| 83-32-9 | Acenaphthene | 20 | U |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWMW45-05DL

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-009DL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7463

Level: (low/med) LOW Date Received: 06/03/98

% Moisture: decanted: (Y/N) Date Extracted: 06/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/23/98

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 | 50 | U |
| 100-02-7 | 4-Nitrophenol | 50 | 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 | 50 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 50 | 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 | 50 | 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 | 3 | DJ |
| 117-84-0 | Di-n-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

GWMW45-05DL

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-009DL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7463

Level: (low/med) LOW Date Received: 06/03/98

% Moisture: decanted: (Y/N) Date Extracted: 06/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/23/98

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 16

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 4.13 | 13 | J |
| 2. 108907 | Benzene, chloro- | 4.30 | 13 | JN |
| 3. 98828 | Benzene, (1-methylethyl)- | 5.61 | 13 | JN |
| 4. 103651 | Benzene, propyl- | 6.15 | 10 | JN |
| 5. 526738 | Benzene, 1,2,3-trimethyl- | 6.90 | 190 | JN |
| 6. 95636 | Benzene, 1,2,4-trimethyl- | 7.38 | 52 | JN |
| 7. 496117 | 1H-Indene, 2,3-dihydro- | 7.63 | 15 | JN |
| 8. | UNKNOWN | 8.01 | 4 | J |
| 9. | UNKNOWN | 8.34 | 14 | J |
| 10. | UNKNOWN | 9.04 | 5 | J |
| 11. 95932 | Benzene, 1,2,4,5-tetramethyl | 9.10 | 8 | J |
| 12. | UNKNOWN | 9.45 | 4 | J |
| 13. 874351 | 1H-Indene, 2,3-dihydro-5-met | 9.60 | 13 | JN |
| 14. | UNKNOWN | 13.68 | 6 | J |
| 15. | UNKNOWN | 14.53 | 7 | J |
| 16. | UNKNOWN | 18.62 | 6 | J |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW45-05

ıb Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99599 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-5

Sample wt/vol: 1050 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/05/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/09/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/16/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | UJ 0.048 | U |
| 319-85-7 | beta-BHC | 0.048 | U |
| 319-86-8 | delta-BHC | 0.048 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.048 | U |
| 76-44-8 | Heptachlor | 0.048 | U |
| 309-00-2 | Aldrin | 0.048 | U |
| 1024-57-3 | Heptachlor epoxide | 0.048 | U |
| 959-98-8 | Endosulfan I | 0.048 | U |
| 60-57-1 | Dieldrin | 0.095 | U |
| 72-55-9 | 4,4'-DDE | 0.095 | U |
| 72-20-8 | Endrin | 0.095 | U |
| 33213-65-9 | Endosulfan II | 0.095 | U |
| 72-54-8 | 4,4'-DDD | 0.095 | U |
| 1031-07-8 | Endosulfan sulfate | 0.095 | U |
| 50-29-3 | 4,4'-DDT | 0.095 | U |
| 72-43-5 | Methoxychlor | 0.48 | U |
| 53494-70-5 | Endrin ketone | 0.095 | U |
| 7421-93-4 | Endrin aldehyde | 0.095 | U |
| 5103-71-9 | alpha-Chlordane | 0.048 | U |
| 5103-74-2 | gamma-Chlordane | 0.048 | U |
| 8001-35-2 | Toxaphene | 4.8 | U |
| 12674-11-2 | Aroclor-1016 | 0.95 | U |
| 11104-28-2 | Aroclor-1221 | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | 0.95 | U |
| 53469-21-9 | Aroclor-1242 | 0.95 | U |
| 12672-29-6 | Aroclor-1248 | 0.95 | U |
| 11097-69-1 | Aroclor-1254 | 0.95 | U |
| 11096-82-5 | Aroclor-1260 | 0.95 | U |

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW4505

Lab Name: QUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS1

Matrix (soil/water): WATER Lab Sample ID: 18016-009

Level (low/med): LOW Date Received: 06/03/98

% 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 64.9 | B | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | 44.1 | | | P |
| 7440-39-3 | Barium | 89.0 | B | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 94900 | | | P |
| 7440-47-3 | Chromium | U 4.4 | B | | P |
| 7440-48-4 | Cobalt | 4.4 | B | | P |
| 7440-50-8 | Copper | 3.6 | U | | P |
| 7439-89-6 | Iron | 17000 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 24500 | | | P |
| 7439-96-5 | Manganese | 364 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 6320 | | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 86900 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | 4.4 | U | | P |
| 7440-66-6 | Zinc | 50.8 | | | P |
| | Cyanide | 0.85 | U | | AS |

Color Before: YELLOW Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILM03.0

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWM4595

Lab Name: QUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix (soil/water): WATER Lab Sample ID: 18055-002

Level (low/med): LOW Date Received: 06/09/98

% 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 | 98.6 | B | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | 2.8 | B | | P |
| 7440-39-3 | Barium | 539 | | | P |
| 7440-41-7 | Beryllium | 0.66 | B | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 361000 | | | P |
| 7440-47-3 | Chromium | 2.1 | U | | P |
| 7440-48-4 | Cobalt | 5.8 | B | | P |
| 7440-50-8 | Copper | 3.6 | U | | P |
| 7439-89-6 | Iron | 33000 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 45900 | | | P |
| 7439-96-5 | Manganese | 376 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 12900 | | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 97100 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | 18.2 | B | | P |
| 7440-66-6 | Zinc | 31.8 | | | P |
| | Cyanide | 0.85 | U | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW465

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18031-007

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP2971

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/19/98

GC Column: RTX-502.2 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 |
|---|---|---|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | Trichloroethene | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 1330-20-7 | Xylenes (total) | 10 | U |

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW465

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18031-007

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP2971

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/19/98

GC Column: RTX-502.2 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 |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW465 RE

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18031-007 RE

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP3124

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/26/98

GC Column: RTX-502.2 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 |
|---|---|---|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 3 | JB |
| 67-64-1 | Acetone | 12 | B |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | Trichloroethene | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 1330-20-7 | Xylenes (total) | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW465 RE

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18031-007 RE

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP3124

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/26/98

GC Column: RTX-502.2 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 |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWMW46-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18031-007

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7450

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: decanted: (Y/N) Date Extracted: 06/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/19/98

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 | U |
| 111-44-4 | bis(2-Chloroethyl)Ether | 4 | J |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW46-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18031-007

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7450

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: decanted: (Y/N) Date Extracted: 06/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/19/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | uJ | 25 | 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 | | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | uJ | 25 | 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 | | 25 | 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 | uJ | 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 | uJ | 10 | U |
| 117-81-7 | bis(2-Ethylhexyl)Phthalate | | 10 | U |
| 117-84-0 | Di-n-Octyl Phthalate | | 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 |

(1) - Cannot be separated from Diphenylamine

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE N(

GWMW46-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18031-007

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7450

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: decanted: (Y/N) Date Extracted: 06/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/19/98

Injection Volume: 2.0(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 |
|---|---|---|---|---|
| 1. | UNKNOWN | 4.25 | 2 | J |
| 2. | UNKNOWN | 6.09 | 4 | J |
| 3. | UNKNOWN | 8.42 | 2 | J |

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# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW46-05

ab Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99665 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 99665-2

Sample wt/vol: 1060 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/09/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/09/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/30/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.047 | U |
| 319-85-7 | beta-BHC | 0.047 | U |
| 319-86-8 | delta-BHC | 0.047 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.047 | U |
| 76-44-8 | Heptachlor | 0.047 | U |
| 309-00-2 | Aldrin | 0.047 | U |
| 1024-57-3 | Heptachlor epoxide | 0.047 | U |
| 959-98-8 | Endosulfan I | 0.047 | U |
| 60-57-1 | Dieldrin | 0.094 | U |
| 72-55-9 | 4,4'-DDE | 0.094 | U |
| 72-20-8 | Endrin | 0.094 | U |
| 33213-65-9 | Endosulfan II | 0.094 | U |
| 72-54-8 | 4,4'-DDD | 0.094 | U |
| 1031-07-8 | Endosulfan sulfate | 0.094 | U |
| 50-29-3 | 4,4'-DDT | 0.094 | U |
| 72-43-5 | Methoxychlor | 0.47 | U |
| 53494-70-5 | Endrin ketone | 0.094 | U |
| 7421-93-4 | Endrin aldehyde | 0.094 | U |
| 5103-71-9 | alpha-Chlordane | 0.047 | U |
| 5103-74-2 | gamma-Chlordane | 0.047 | U |
| 8001-35-2 | Toxaphene | 4.7 | U |
| 12674-11-2 | Aroclor-1016 | 0.94 | U |
| 11104-28-2 | Aroclor-1221 | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | 0.94 | U |
| 53469-21-9 | Aroclor-1242 | 0.94 | U |
| 12672-29-6 | Aroclor-1248 | 0.94 | U |
| 11097-69-1 | Aroclor-1254 | 0.94 | U |
| 11096-82-5 | Aroclor-1260 | 0.94 | U |

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U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW4605

Lab Name: QUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix (soil/water): WATER Lab Sample ID: 18031-007

Level (low/med): LOW Date Received: 06/06/98

% 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 | 1800 | | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | u 3.9 | B | | P |
| 7440-39-3 | Barium | 118 | B | | P |
| 7440-41-7 | Beryllium | u 1.0 | B | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 112000 | | | P |
| 7440-47-3 | Chromium | 15.3 | | | P |
| 7440-48-4 | Cobalt | 3.8 | U | | P |
| 7440-50-8 | Copper | u 11.0 | B | | P |
| 7439-89-6 | Iron | 28300 | | | P |
| 7439-92-1 | Lead | u 5.3 | | | P |
| 7439-95-4 | Magnesium | 29900 | | | P |
| 7439-96-5 | Manganese | 1520 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 2150 | U | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | u 6.0 | B | | P |
| 7440-23-5 | Sodium | 51700 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | u 17.5 | B | | P |
| 7440-66-6 | Zinc | 37.8 | | | P |
| | Cyanide | 0.85 | U | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW47

e: QUANTERRA MO Contract: 707.03

e: ITMO Case No.: SAS No.: SDG No.: ACS4

(soil/water) WATER Lab Sample ID: 18057-004

wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP3028

(low/med) LOW Date Received: 06/10/98

ture: not dec. _____ Date Analyzed: 06/23/98

umn: RTX-502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | | 10 | U |
| 74-83-9 | Bromomethane | | 10 | U |
| 75-01-4 | Vinyl Chloride | | 10 | U |
| 75-00-3 | Chloroethane | | 10 | U |
| 75-09-2 | Methylene Chloride | UJ | 3 | JB |
| 67-64-1 | Acetone | UJ | 10 | U |
| 75-15-0 | Carbon Disulfide | | 10 | U |
| 5-35-4 | 1,1-Dichloroethene | | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | | 10 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | | 10 | U |
| 67-66-3 | Chloroform | | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | | 10 | U |
| 78-93-3 | 2-Butanone | | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 10 | U |
| 56-23-5 | Carbon Tetrachloride | | 10 | U |
| 75-27-4 | Bromodichloromethane | | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | | 10 | U |
| 79-01-6 | Trichloroethene | | 10 | U |
| 124-48-1 | Dibromochloromethane | | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 10 | U |
| 71-43-2 | Benzene | | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | | 10 | U |
| 75-25-2 | Bromoform | | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone | | 10 | U |
| 591-78-6 | 2-Hexanone | UJ | 10 | U |
| 127-18-4 | Tetrachloroethene | | 10 | U |
| 108-88-3 | Toluene | | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 10 | U |
| 108-90-7 | Chlorobenzene | | 10 | U |
| 100-41-4 | Ethylbenzene | | 10 | U |
| 100-42-5 | Styrene | | 10 | U |
| 1330-20-7 | Xylenes (total) | | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW47

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 18057-004

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP3028

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: not dec. _____ Date Analyzed: 06/23/98

GC Column: RTX-502.2 ID: 0.53 (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 |
|---|---|---|---|---|---|
| 1. | | UNKNOWN | 1.96 | 6.922 | JB |
| 2. | | | | | |
| 3. | | | | | |
| 4. | | | | | |
| 5. | | | | | |
| 6. | | | | | |
| 7. | | | | | |
| 8. | | | | | |
| 9. | | | | | |
| 10. | | | | | |
| 11. | | | | | |
| 12. | | | | | |
| 13. | | | | | |
| 14. | | | | | |
| 15. | | | | | |
| 16. | | | | | |
| 17. | | | | | |
| 18. | | | | | |
| 19. | | | | | |
| 20. | | | | | |
| 21. | | | | | |
| 22. | | | | | |
| 23. | | | | | |
| 24. | | | | | |
| 25. | | | | | |
| 26. | | | | | |
| 27. | | | | | |
| 28. | | | | | |
| 29. | | | | | |
| 30. | | | | | |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE I

GWMW47-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S05704 SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 18057-004

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7782

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: decanted: (Y/N) Date Extracted: 06/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/98

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 | U |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWMW47-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S05704 SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 18057-004

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7782

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: decanted: (Y/N) Date Extracted: 06/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | 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 | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 25 | 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-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

GWMW47-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S05704 SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 18057-004

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7782

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: decanted: (Y/N) Date Extracted: 06/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/98

Injection Volume: 2.0(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 |
|---|---|---|---|---|
| 1. | UNKNOWN | 27.02 | 2 | J |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW47-05

b Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99736 SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 99736-1

Sample wt/vol: 1040 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/11/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/12/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/24/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.048 | U |
| 319-85-7 | beta-BHC | 0.048 | U |
| 319-86-8 | delta-BHC | 0.048 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.048 | U |
| 76-44-8 | Heptachlor | 0.048 | U |
| 309-00-2 | Aldrin | 0.048 | U |
| 1024-57-3 | Heptachlor epoxide | 0.048 | U |
| 959-98-8 | Endosulfan I | 0.048 | U |
| 60-57-1 | Dieldrin | 0.096 | U |
| 72-55-9 | 4,4'-DDE | 0.096 | U |
| 72-20-8 | Endrin | 0.096 | U |
| 33213-65-9 | Endosulfan II | 0.096 | U |
| 72-54-8 | 4,4'-DDD | 0.096 | U |
| 1031-07-8 | Endosulfan sulfate | 0.096 | U |
| 50-29-3 | 4,4'-DDT | 0.096 | U |
| 72-43-5 | Methoxychlor | 0.48 | U |
| 53494-70-5 | Endrin ketone | 0.096 | U |
| 7421-93-4 | Endrin aldehyde | 0.096 | U |
| 5103-71-9 | alpha-Chlordane | 0.048 | U |
| 5103-74-2 | gamma-Chlordane | 0.048 | U |
| 8001-35-2 | Toxaphene | 4.8 | U |
| 12674-11-2 | Aroclor-1016 | 0.96 | U |
| 11104-28-2 | Aroclor-1221 | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | 0.96 | U |
| 53469-21-9 | Aroclor-1242 | 0.96 | U |
| 12672-29-6 | Aroclor-1248 | 0.96 | U |
| 11097-69-1 | Aroclor-1254 | 0.96 | U |
| 11096-82-5 | Aroclor-1260 | 0.96 | U |

uJ

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW4705

Lab Name: QUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS4

Matrix (soil/water): WATER Lab Sample ID: 18057-004

Level (low/med): LOW Date Received: 06/10/98

% 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 197 | B | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | 1.9 | U | | P |
| 7440-39-3 | Barium | u 3.7 | B | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 6390 | | | P |
| 7440-47-3 | Chromium | 10.1 | | | P |
| 7440-48-4 | Cobalt | 3.8 | U | | P |
| 7440-50-8 | Copper | 3.6 | U | | P |
| 7439-89-6 | Iron | u 206 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 1780 | B | | P |
| 7439-96-5 | Manganese | u 6.0 | B | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 2150 | U | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 2870 | B | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | 4.4 | U | | P |
| 7440-66-6 | Zinc | u 23.0 | | | P |
| | Cyanide | 0.85 | U | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW47MS

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 18057-004 MS

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP3029

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: not dec. _____ Date Analyzed: 06/23/98

GC Column: RTX-502.2 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 |
|---|---|---|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 44 | |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 4 | JB |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 61 | |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | Chloroform | 49 | |
| 107-06-2 | 1,2-Dichloroethane | 51 | |
| 78-93-3 | 2-Butanone | 61 | |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 52 | |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | Trichloroethene | 49 | |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | Benzene | 50 | |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 50 | |
| 108-88-3 | Toluene | 48 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-90-7 | Chlorobenzene | 50 | |
| 100-41-4 | Ethylbenzene | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 1330-20-7 | Xylenes (total) | 10 | U |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWMW47-05MS

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S05704 SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 18057-004MS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7629

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: decanted: (Y/N) Date Extracted: 06/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/06/98

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 | 45 | B |
| 111-44-4 | bis(2-Chloroethyl)Ether | 10 | U |
| 95-57-8 | 2-Chlorophenol | 47 | |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 33 | |
| 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 | 31 | |
| 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 | 32 | |
| 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 | 46 | |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 34 | |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE N(

GWMW47-05MS

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S05704 SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 18057-004MS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7629

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: decanted: (Y/N) Date Extracted: 06/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/06/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 45 | |
| 132-64-9 | Dibenzofuran | 10 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 33 | |
| 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 | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 56 | |
| 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 | 34 | |
| 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-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW47-05-MS

:b Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99736 SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 99736-1MS

Sample wt/vol: 1040 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/11/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/12/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/24/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.048 | U |
| 319-85-7 | beta-BHC | 0.048 | U |
| 319-86-8 | delta-BHC | 0.048 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.048 | U |
| 76-44-8 | Heptachlor | 0.048 | U |
| 309-00-2 | Aldrin | 0.048 | U |
| 1024-57-3 | Heptachlor epoxide | 0.048 | U |
| 959-98-8 | Endosulfan I | 0.048 | U |
| 60-57-1 | Dieldrin | 0.096 | U |
| 72-55-9 | 4,4'-DDE | 0.096 | U |
| 72-20-8 | Endrin | 0.096 | U |
| 33213-65-9 | Endosulfan II | 0.096 | U |
| 72-54-8 | 4,4'-DDD | 0.096 | U |
| 1031-07-8 | Endosulfan sulfate | 0.096 | U |
| 50-29-3 | 4,4'-DDT | 0.096 | U |
| 72-43-5 | Methoxychlor | 0.48 | U |
| 53494-70-5 | Endrin ketone | 0.096 | U |
| 7421-93-4 | Endrin aldehyde | 0.096 | U |
| 5103-71-9 | alpha-Chlordane | 0.048 | U |
| 5103-74-2 | gamma-Chlordane | 0.048 | U |
| 8001-35-2 | Toxaphene | 4.8 | U |
| 12674-11-2 | Aroclor-1016 | 0.96 | U |
| 11104-28-2 | Aroclor-1221 | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | 0.96 | U |
| 53469-21-9 | Aroclor-1242 | 0.96 | U |
| 12672-29-6 | Aroclor-1248 | 0.96 | U |
| 11097-69-1 | Aroclor-1254 | 0.96 | U |
| 11096-82-5 | Aroclor-1260 | 0.96 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW47MSD

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 18057-004 MSD

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP3030

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: not dec. _____ Date Analyzed: 06/23/98

GC Column: RTX-502.2 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 |
|---|---|---|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 42 | |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 5 | JB |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 61 | |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | Chloroform | 51 | |
| 107-06-2 | 1,2-Dichloroethane | 51 | |
| 78-93-3 | 2-Butanone | 60 | |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 52 | |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | Trichloroethene | 49 | |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | Benzene | 50 | |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 51 | |
| 108-88-3 | Toluene | 49 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-90-7 | Chlorobenzene | 50 | |
| 100-41-4 | Ethylbenzene | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 1330-20-7 | Xylenes (total) | 10 | U |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW47-05MSD

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S05704 SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 18057-004MSD

Sample wt/vol: 1000 (g/mL) ML, Lab File ID: H7630

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: decanted: (Y/N) Date Extracted: 06/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/06/98

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 | 54 | B |
| 111-44-4 | bis(2-Chloroethyl)Ether | 10 | U |
| 95-57-8 | 2-Chlorophenol | 51 | |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 35 | |
| 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 | 35 | |
| 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 | 37 | |
| 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 | 53 | |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 37 | |

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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE N

GWMW47-05MS

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S05704 SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 18057-004MSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7630

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: decanted: (Y/N) Date Extracted: 06/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/06/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 52 | |
| 132-64-9 | Dibenzofuran | 10 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 36 | |
| 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 | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 62 | |
| 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 | 36 | |
| 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 | 3 | J |
| 117-84-0 | Di-n-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW47-05-SD

ab Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99736 SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 99736-1SD

Sample wt/vol: 1050 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/11/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/12/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/24/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.048 | U |
| 319-85-7 | beta-BHC | 0.048 | U |
| 319-86-8 | delta-BHC | 0.048 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.048 | U |
| 76-44-8 | Heptachlor | 0.048 | U |
| 309-00-2 | Aldrin | 0.048 | U |
| 1024-57-3 | Heptachlor epoxide | 0.048 | U |
| 959-98-8 | Endosulfan I | 0.048 | U |
| 60-57-1 | Dieldrin | 0.095 | U |
| 72-55-9 | 4,4'-DDE | 0.095 | U |
| 72-20-8 | Endrin | 0.095 | U |
| 33213-65-9 | Endosulfan II | 0.095 | U |
| 72-54-8 | 4,4'-DDD | 0.095 | U |
| 1031-07-8 | Endosulfan sulfate | 0.095 | U |
| 50-29-3 | 4,4'-DDT | 0.095 | U |
| 72-43-5 | Methoxychlor | 0.48 | U |
| 53494-70-5 | Endrin ketone | 0.095 | U |
| 7421-93-4 | Endrin aldehyde | 0.095 | U |
| 5103-71-9 | alpha-Chlordane | 0.048 | U |
| 5103-74-2 | gamma-Chlordane | 0.048 | U |
| 8001-35-2 | Toxaphene | 4.8 | U |
| 12674-11-2 | Aroclor-1016 | 0.95 | U |
| 11104-28-2 | Aroclor-1221 | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | 0.95 | U |
| 53469-21-9 | Aroclor-1242 | 0.95 | U |
| 12672-29-6 | Aroclor-1248 | 0.95 | U |
| 11097-69-1 | Aroclor-1254 | 0.95 | U |
| 11096-82-5 | Aroclor-1260 | 0.95 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW48-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-14

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1054

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/09/98

GC Column: DB624 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 |
|---|---|---|---|---|
| 74-87-3 | Chloromethane (**) | UJ | 10 | U |
| 75-01-4 | Vinyl Chloride (*) | UJ | 10 | U |
| 74-83-9 | Bromomethane | UJ | 10 | U |
| 75-00-3 | Chloroethane | | 590 | E |
| 75-35-4 | 1,1-Dichloroethene(*) | UJ | 10 | U |
| 67-64-1 | Acetone (xtra) | ↑ | 10 | U |
| 75-15-0 | Carbon Disulfide (xtra) | ↓ | 10 | U |
| 75-09-2 | Methylene Chloride | UJ | 3 | J |
| 540-59-0 | 1,2-dichloroethene (total) | J | 2 | J |
| 75-34-3 | 1,1-Dichloroethane (**) | UJ | 10 | U |
| 78-93-3 | 2-Butanone (xtra) | ↑ | 10 | U |
| 67-66-3 | Chloroform (*) | ↕ | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | ↓ | 10 | U |
| 56-23-5 | Carbon Tetrachloride | UJ | 10 | U |
| 71-43-2 | Benzene | | 2300 | E |
| 107-06-2 | 1,2-Dichloroethane | J | 88 | |
| 79-01-6 | Trichloroethene | UJ | 10 | U |
| 78-87-5 | 1,2-Dichloropropane(*) | ↑ | 10 | U |
| 75-27-4 | Bromodichloromethane | ↕ | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | ↓ | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | UJ | 10 | U |
| 108-88-3 | Toluene (*) | J | 3 | J |
| 10061-02-6 | trans-1,3-Dichloropropene(xt | UJ | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 10 | U |
| 127-18-4 | Tetrachloroethene | | 10 | U |
| 591-78-6 | 2-Hexanone (xtra) | | 10 | U |
| 124-48-1 | Dibromochloromethane | | 10 | U |
| 108-90-7 | Chlorobenzene (**) | | 10 | U |
| 1330-20-7 | Xylenes (total) | | 10 | U |
| 100-41-4 | Ethylbenzene (*) | | 10 | U |
| 100-42-5 | Styrene | | 10 | U |
| 75-25-2 | Bromoform (**) | | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane(** | ↓ | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW48-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-14

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1054

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/09/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 5

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 4740-00-5 | THIOPHENE, TETRAHYDRO-3-METH | 13.66 | 5 | NJ |
| 2. 624-42-0 | 3-HEPTANONE, 6-METHYL- | 16.08 | 7 | NJ |
| 3. 873-94-9 | CYCLOHEXANONE, 3,3,5-TRIMETH | 19.61 | 53 | NJ |
| 4. 116-02-9 | CYCLOHEXANOL, 3,3,5-TRIMETHY | 19.77 | 13 | NJ |
| 5. | 5700 UNKNOWN | 21.58 | 23 | J |
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW48-05DL

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-14DL

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1075

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/10/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 50.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 74-87-3 | Chloromethane (**) | 500 | U |
| 75-01-4 | Vinyl Chloride (*) | 500 | U |
| 74-83-9 | Bromomethane | 500 | U |
| 75-00-3 | Chloroethane | 720 | D |
| 75-35-4 | 1,1-Dichloroethene(*) | 61 | DJB |
| 67-64-1 | Acetone (xtra) | 500 | U |
| 75-15-0 | Carbon Disulfide (xtra) | 500 | U |
| 75-09-2 | Methylene Chloride | 500 | U |
| 540-59-0 | 1,2-dichloroethene (total) | 500 | U |
| 75-34-3 | 1,1-Dichloroethane (**) | 500 | U |
| 78-93-3 | 2-Butanone (xtra) | 500 | U |
| 67-66-3 | Chloroform (*) | 500 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 500 | U |
| 56-23-5 | Carbon Tetrachloride | 500 | U |
| 71-43-2 | Benzene | 9500 | D |
| 107-06-2 | 1,2-Dichloroethane | 150 | DJ |
| 79-01-6 | Trichloroethene | 500 | U |
| 78-87-5 | 1,2-Dichloropropane(*) | 500 | U |
| 75-27-4 | Bromodichloromethane | 500 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | 500 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | 500 | U |
| 108-88-3 | Toluene (*) | 500 | U |
| 10061-02-6 | trans-1,3-Dichloropropene(xt | 500 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 500 | U |
| 127-18-4 | Tetrachloroethene | 500 | U |
| 591-78-6 | 2-Hexanone (xtra) | 500 | U |
| 124-48-1 | Dibromochloromethane | 500 | U |
| 108-90-7 | Chlorobenzene (**) | 500 | U |
| 1330-20-7 | Xylenes (total) | 500 | U |
| 100-41-4 | Ethylbenzene (*) | 500 | U |
| 100-42-5 | Styrene | 500 | U |
| 75-25-2 | Bromoform (**) | 500 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane(** | 500 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW48-05DL

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-14DL

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1075

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/10/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 50.0

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 |
|---|---|---|---|---|
| 1. | | | | |
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW48-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-004

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7341

Level: (low/med) LOW Date Received: 06/04/98

% Moisture: decanted: (Y/N) Date Extracted: 06/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/16/98

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 | 36 | B |
| 111-44-4 | bis(2-Chloroethyl)Ether | 13 | |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWMW48-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-004

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7341

Level: (low/med) LOW Date Received: 06/04/98

% Moisture: decanted: (Y/N) Date Extracted: 06/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/16/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | 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 | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 25 | 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-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW48-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-004

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7341

Level: (low/med) LOW Date Received: 06/04/98

% Moisture: decanted: (Y/N) Date Extracted: 06/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/16/98

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 22

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 110816 | Disulfide, diethyl | 5.73 | 39 | JN |
| 2. 106683 | 3-Octanone | 6.02 | 6 | JN |
| 3. 873949 | Cyclohexanone, 3,3,5-trimeth | 7.94 | 180 | JN |
| 4. | UNKNOWN | 8.21 | 190 | J |
| 5. | UNKNOWN | 8.50 | 14 | J |
| 6. | UNKNOWN | 8.87 | 5 | J |
| 7. | UNKNOWN | 9.30 | 6 | J |
| 8. | UNKNOWN | 9.54 | 4 | J |
| 9. | UNKNOWN | 9.64 | 34 | J |
| 10. 76222 | Camphor | 9.78 | 22 | JN |
| 11. | UNKNOWN | 10.78 | 7 | J |
| 12. | UNKNOWN | 11.74 | 4 | J |
| 13. | UNKNOWN | 12.74 | 15 | J |
| 14. | UNKNOWN | 12.86 | 4 | J |
| 15. | UNKNOWN | 13.51 | 37 | J |
| 16. | UNKNOWN | 15.19 | 63 | J |
| 17. | UNKNOWN | 15.29 | 7 | J |
| 18. | UNKNOWN | 15.65 | 7 | J |
| 19. | UNKNOWN | 16.03 | 4 | J |
| 20. | UNKNOWN | 18.80 | 6 | J |
| 21. | UNKNOWN | 19.72 | 14 | J |
| 22. | UNKNOWN | 24.42 | 30 | J |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW48-05

b Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99599 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-14

Sample wt/vol: 1060 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/05/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/09/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/17/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q |
|---|---|---|---|---|
| 319-84-6 | alpha-BHC | UJ | 0.047 | U |
| 319-85-7 | beta-BHC | | 0.047 | U |
| 319-86-8 | delta-BHC | | 0.047 | U |
| 58-89-9 | gamma-BHC (Lindane) | | 0.047 | U |
| 76-44-8 | Heptachlor | | 0.047 | U |
| 309-00-2 | Aldrin | | 0.047 | U |
| 1024-57-3 | Heptachlor epoxide | | 0.047 | U |
| 959-98-8 | Endosulfan I | | 0.047 | U |
| 60-57-1 | Dieldrin | | 0.095 | U |
| 72-55-9 | 4,4'-DDE | | 0.095 | U |
| 72-20-8 | Endrin | | 0.095 | U |
| 33213-65-9 | Endosulfan II | | 0.095 | U |
| 72-54-8 | 4,4'-DDD | | 0.095 | U |
| 1031-07-8 | Endosulfan sulfate | | 0.095 | U |
| 50-29-3 | 4,4'-DDT | | 0.095 | U |
| 72-43-5 | Methoxychlor | | 0.47 | U |
| 53494-70-5 | Endrin ketone | | 0.095 | U |
| 7421-93-4 | Endrin aldehyde | | 0.095 | U |
| 5103-71-9 | alpha-Chlordane | | 0.047 | U |
| 5103-74-2 | gamma-Chlordane | | 0.047 | U |
| 8001-35-2 | Toxaphene | | 4.7 | U |
| 12674-11-2 | Aroclor-1016 | | 0.95 | U |
| 11104-28-2 | Aroclor-1221 | | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | | 0.95 | U |
| 53469-21-9 | Aroclor-1242 | | 0.95 | U |
| 12672-29-6 | Aroclor-1248 | | 0.95 | U |
| 11097-69-1 | Aroclor-1254 | | 0.95 | U |
| 11096-82-5 | Aroclor-1260 | | 0.95 | U |

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW4805

Lab Name: QUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS1

Matrix (soil/water): WATER Lab Sample ID: 18016-004

Level (low/med): LOW Date Received: 06/04/98

% 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 45.2 | B | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | u 7.9 | B | | P |
| 7440-39-3 | Barium | 84.7 | B | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 93000 | | | P |
| 7440-47-3 | Chromium | u 2.2 | B | | P |
| 7440-48-4 | Cobalt | 3.8 | U | | P |
| 7440-50-8 | Copper | 3.6 | U | | P |
| 7439-89-6 | Iron | 17500 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 13400 | | | P |
| 7439-96-5 | Manganese | 622 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 6200 | | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 29800 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | 4.4 | U | | P |
| 7440-66-6 | Zinc | 10.9 | B | | P |
| | Cyanide | 0.85 | U | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW49

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 18057-016

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP3032

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: not dec. _____ Date Analyzed: 06/23/98

GC Column: RTX-502.2 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 |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | | 10 | U |
| 74-83-9 | Bromomethane | | 10 | U |
| 75-01-4 | Vinyl Chloride | | 10 | U |
| 75-00-3 | Chloroethane | | 460 | E |
| 75-09-2 | Methylene Chloride | UJ | 8 | JB |
| 67-64-1 | Acetone | UJ | 10 | U |
| 75-15-0 | Carbon Disulfide | | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | | 10 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | | 6 | J |
| 67-66-3 | Chloroform | | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | | 57 | |
| 78-93-3 | 2-Butanone | | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 10 | U |
| 56-23-5 | Carbon Tetrachloride | | 10 | U |
| 75-27-4 | Bromodichloromethane | | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | | 10 | U |
| 79-01-6 | Trichloroethene | | 10 | U |
| 124-48-1 | Dibromochloromethane | | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 10 | U |
| 71-43-2 | Benzene | | 2600 | E |
| 10061-02-6 | trans-1,3-Dichloropropene | | 10 | U |
| 75-25-2 | Bromoform | | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone | | 10 | U |
| 591-78-6 | 2-Hexanone | UJ | 10 | U |
| 127-18-4 | Tetrachloroethene | | 10 | U |
| 108-88-3 | Toluene | | 2 | J |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 10 | U |
| 108-90-7 | Chlorobenzene | | 10 | U |
| 100-41-4 | Ethylbenzene | | 10 | U |
| 100-42-5 | Styrene | | 10 | U |
| 1330-20-7 | Xylenes (total) | | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW49

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 18057-016

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP3032

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: not dec. _____ Date Analyzed: 06/23/98

GC Column: RTX-502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 9

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 1.96 | 1524 | JB |
| 2. 625-38-7 | 3-BUTENOIC ACID | 2.36 | 725.1 | NJ |
| 3. 60-29-7 | ETHER | 2.70 | 636.9 | NJ |
| 4. | UNKNOWN | 2.92 | 259.9 | J |
| 5. | UNKNOWN | 3.03 | 363.2 | J |
| 6. | UNKNOWN | 3.29 | 296.1 | J |
| 7. | UNKNOWN | 3.41 | 206.7 | J |
| 8. 352-93-2 | DIETHYL SULFIDE | 9.22 | 12.97 | NJ |
| 9. 873-94-9 | CYCLOHEXANONE, 3,3,5-TRIMETH | 22.75 | 46.09 | NJ |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW49DL

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 18057-016 DL

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP3036

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: not dec. _____ Date Analyzed: 06/23/98

GC Column: RTX-502.2 ID: 0.53 (mm) Dilution Factor: 25.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 74-87-3 | Chloromethane | 250 | U |
| 74-83-9 | Bromomethane | 250 | U |
| 75-01-4 | Vinyl Chloride | 250 | U |
| 75-00-3 | Chloroethane | 450 | D |
| 75-09-2 | Methylene Chloride | 190 | DJB |
| 67-64-1 | Acetone | 580 | DB |
| 75-15-0 | Carbon Disulfide | 250 | U |
| 75-35-4 | 1,1-Dichloroethene | 250 | U |
| 75-34-3 | 1,1-Dichloroethane | 250 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 250 | U |
| 67-66-3 | Chloroform | 250 | U |
| 107-06-2 | 1,2-Dichloroethane | 250 | U |
| 78-93-3 | 2-Butanone | 250 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 250 | U |
| 56-23-5 | Carbon Tetrachloride | 250 | U |
| 75-27-4 | Bromodichloromethane | 250 | U |
| 78-87-5 | 1,2-Dichloropropane | 250 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 250 | U |
| 79-01-6 | Trichloroethene | 250 | U |
| 124-48-1 | Dibromochloromethane | 250 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 250 | U |
| 71-43-2 | Benzene | 4500 | D |
| 10061-02-6 | trans-1,3-Dichloropropene | 250 | U |
| 75-25-2 | Bromoform | 250 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 250 | U |
| 591-78-6 | 2-Hexanone | 250 | U |
| 127-18-4 | Tetrachloroethene | 250 | U |
| 108-88-3 | Toluene | 250 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 250 | U |
| 108-90-7 | Chlorobenzene | 250 | U |
| 100-41-4 | Ethylbenzene | 250 | U |
| 100-42-5 | Styrene | 250 | U |
| 1330-20-7 | Xylenes (total) | 250 | U |

1E

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW49DL

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 18057-016 DL

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP3036

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: not dec. _____ Date Analyzed: 06/23/98

GC Column: RTX-502.2 ID: 0.53 (mm) Dilution Factor: 25.0

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 |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWMW49-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S05704 SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 18057-016

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7470

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: decanted: (Y/N) Date Extracted: 06/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/24/98

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 | U 2 | BJ |
| 111-44-4 | bis(2-Chloroethyl)Ether | J 6 | J |
| 95-57-8 | 2-Chlorophenol | UJ 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 | UJ 10 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | J 10 | |
| 106-44-5 | 4-Methylphenol | UJ 10 | U |
| 621-64-7 | N-Nitroso-Di-n-Propylamine | UJ 10 | U |
| 67-72-1 | Hexachloroethane | UJ 10 | U |
| 98-95-3 | Nitrobenzene | UJ 10 | U |
| 78-59-1 | Isophorone | J 7 | J |
| 88-75-5 | 2-Nitrophenol | UJ 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE N

GWMW49-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S05704 SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 18057-016

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7470

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: decanted: (Y/N) Date Extracted: 06/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/24/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | 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 | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 25 | 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 | 16 | |
| 117-84-0 | Di-n-Octyl Phthalate | 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 |

uJ

(1) - Cannot be separated from Diphenylamine

000022

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

GWMW49-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S05704 SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 18057-016

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7470

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: decanted: (Y/N) Date Extracted: 06/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/24/98

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 22

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 5.26 | 6 | J |
| 2. 106683 | 3-Octanone | 5.90 | 6 | JN |
| 3. | UNKNOWN | 6.68 | 35 | J |
| 4. 873949 | Cyclohexanone, 3,3,5-trimeth | 7.89 | 450 | JN |
| 5. | UNKNOWN | 8.05 | 20 | J |
| 6. | UNKNOWN | 8.37 | 8 | J |
| 7. | UNKNOWN | 8.84 | 8 | J |
| 8. | UNKNOWN | 9.51 | 7 | J |
| 9. | UNKNOWN | 10.64 | 7 | J |
| 10. | UNKNOWN | 11.60 | 7 | J |
| 11. | UNKNOWN | 12.73 | 25 | J |
| 12. | UNKNOWN | 14.53 | 4 | J |
| 13. | UNKNOWN | 14.81 | 5 | J |
| 14. | UNKNOWN | 15.11 | 150 | J |
| 15. | UNKNOWN | 15.19 | 3 | J |
| 16. | UNKNOWN | 15.48 | 7 | J |
| 17. | UNKNOWN | 15.53 | 7 | J |
| 18. 101100 | Propanoic acid, 2-(3-chlorop | 15.95 | 14 | JN |
| 19. | UNKNOWN | 18.70 | 9 | J |
| 20. | UNKNOWN | 19.61 | 26 | J |
| 21. | UNKNOWN | 24.30 | 34 | J |
| 22. | UNKNOWN | 27.77 | 7 | J |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE N

GWMW49-05RI

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S05704 SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 18057-016RI

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7783

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: decanted: (Y/N) Date Extracted: 06/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/98

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 | U |
| 111-44-4 | bis(2-Chloroethyl)Ether | 23 | |
| 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 | 21 | |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWMW49-05RI

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S05704 SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 18057-016RI

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7783

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: decanted: (Y/N) Date Extracted: 06/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | U |
| 132-64-9 | Dibenzofuran | 10 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 10 | U |
| 84-66-2 | Diethylphthalate | 3 | J |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7 | Fluorene | 10 | U |
| 100-01-6 | 4-Nitroaniline | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 25 | 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 | 3 | J |
| 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 | 62 | |
| 117-84-0 | Di-n-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

GWMW49-05RI

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S05704 SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 18057-016RI

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7783

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: decanted: (Y/N) Date Extracted: 06/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/98

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 22

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 4740005 | Thiophene, tetrahydro-3-meth | 4.36 | 22 | JN |
| 2. 111762 | Ethanol, 2-butoxy- | 4.94 | 24 | JN |
| 3. | UNKNOWN C8H16O | 5.53 | 21 | J |
| 4. | UNKNOWN | 6.59 | 340 | J |
| 5. 873949 | Cyclohexanone, 3,3,5-trimeth | 7.47 | 280 | JN |
| 6. | UNKNOWN C6H7NO | 7.76 | 26 | J |
| 7. | UNKNOWN | 8.04 | 16 | J |
| 8. | UNKNOWN C8H10O | 8.56 | 18 | J |
| 9. | UNKNOWN | 10.25 | 28 | J |
| 10. | UNKNOWN | 11.23 | 37 | J |
| 11. | UNKNOWN | 12.41 | 50 | J |
| 12. | UNKNOWN | 14.81 | 340 | J |
| 13. | UNKNOWN | 15.15 | 17 | J |
| 14. | UNKNOWN | 15.21 | 15 | J |
| 15. | UNKNOWN | 15.70 | 20 | J |
| 16. 101100 | Propanoic acid, 2-(3-chlorop | 15.75 | 10 | JN |
| 17. 309433 | 5-ALLYL-5(1-METHYLBUTYL)BARB | 18.43 | 32 | JN |
| 18. | UNKNOWN | 19.28 | 130 | J |
| 19. | UNKNOWN | 20.75 | 13 | J |
| 20. | UNKNOWN | 23.92 | 120 | J |
| 21. 628024 | Hexanamide | 27.09 | 19 | JN |
| 22. | UNKNOWN | 27.30 | 38 | J |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW49-05

ıb Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99736 SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 99736-2

Sample wt/vol: 1060 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/11/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/12/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/24/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.047 | U |
| 319-85-7 | beta-BHC | 0.047 | U |
| 319-86-8 | delta-BHC | 0.047 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.047 | U |
| 76-44-8 | Heptachlor | 0.047 | U |
| 309-00-2 | Aldrin | 0.047 | U |
| 1024-57-3 | Heptachlor epoxide | 0.047 | U |
| 959-98-8 | Endosulfan I | 0.047 | U |
| 60-57-1 | Dieldrin | 0.094 | U |
| 72-55-9 | 4,4'-DDE | 0.094 | U |
| 72-20-8 | Endrin | 0.094 | U |
| 33213-65-9 | Endosulfan II | 0.094 | U |
| 72-54-8 | 4,4'-DDD | 0.094 | U |
| 1031-07-8 | Endosulfan sulfate | 0.094 | U |
| 50-29-3 | 4,4'-DDT | 0.094 | U |
| 72-43-5 | Methoxychlor | 0.47 | U |
| 53494-70-5 | Endrin ketone | 0.094 | U |
| 7421-93-4 | Endrin aldehyde | 0.094 | U |
| 5103-71-9 | alpha-Chlordane | 0.047 | U |
| 5103-74-2 | gamma-Chlordane | 0.047 | U |
| 8001-35-2 | Toxaphene | 4.7 | U |
| 12674-11-2 | Aroclor-1016 | 0.94 | U |
| 11104-28-2 | Aroclor-1221 | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | 0.94 | U |
| 53469-21-9 | Aroclor-1242 | 0.94 | U |
| 12672-29-6 | Aroclor-1248 | 0.94 | U |
| 11097-69-1 | Aroclor-1254 | 0.94 | U |
| 11096-82-5 | Aroclor-1260 | 0.94 | U |

US

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW4905

Lab Name: QUANTERRA_MO  Contract: 707.03
Lab Code: ITMO  Case No.:  SAS No.:  SDG No.: ACS4
Matrix (soil/water): WATER  Lab Sample ID: 18057-016
Level (low/med): LOW  Date Received: 06/10/98
% 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 131 | B | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | 17.8 | | | P |
| 7440-39-3 | Barium | 96.4 | B | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 74900 | | | P |
| 7440-47-3 | Chromium | 2.6 | B | | P |
| 7440-48-4 | Cobalt | u 5.5 | B | | P |
| 7440-50-8 | Copper | 3.6 | U | | P |
| 7439-89-6 | Iron | 27800 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 10500 | | | P |
| 7439-96-5 | Manganese | 1790 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 4480 | B | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 21500 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | 4.4 | U | | P |
| 7440-66-6 | Zinc | u 46.8 | | | P |
| | Cyanide | u 1.0 | B | | AS |

Color Before: COLORLESS  Clarity Before: CLEAR  Texture:
Color After: COLORLESS  Clarity After: CLEAR  Artifacts:

Comments:

FORM I - IN

ILM03.0

D

# APPENDIX D

## VALIDATION NARRATIVE AND LABORATORY REPORTS FROM LOWER AQUIFER

# SUMMARY OF ANALYTICAL DATA

Analytical data generated for the fifth round of groundwater monitoring well samples collected during June 1998 from the ACS Site in Griffith, Indiana has been computerized in a format organized to facilitate data review and evaluation. The results of the sampling and analysis are organized by sample type (i.e., groundwater), well, and by analytical method (VOCs, SVOCs, Pesticide/PCBs, total metals and indicators). All compounds included in the analysis are presented for each sample. Each sample has any detected concentrations, the laboratory qualifier/data validation qualifier, and the reported detection limit. A blank in the concentration location indicates the compound was not detected, as shown by the lab and data validation qualifiers.

## SUMMARY OF DATA QUALIFIER DEFINITIONS

Laboratory qualified data are flagged by the performing laboratory. Data may be further qualified by Montgomery Watson personnel during the data validation process. Data qualifiers are letter or symbol codes as outlined below. If data are qualified, the qualifiers are presented with results. The laboratory qualifiers (LQ) and data validation qualifiers (DVQ) are presented with the data, separated by a "/".

**Laboratory Qualifier Definitions**

The following qualifiers were used by laboratories performing the various analyses. The qualifiers defined below are presented in the "LQ" column adjacent to the result. Note: all possible relevant qualifiers potentially used by the laboratory for metals, VOC, and SVOC analysis are included here for reference, whether they apply to these specific results or not.

The laboratory-provided qualifiers will include:

- Non-detect
- Concentration below required detection limit
- Estimated concentration due to poor QC data
- Concentration of chemical also found in the laboratory blank.

**Laboratory Qualifiers for Organic Analysis**

- U - Indicates the compound was analyzed for, but was not detected. The sample quantitation limit is corrected for dilution and, in the case of soil samples, for percent moisture.

- J - The associated numerical value is an estimated quantity, because the value was less than the CRQL. TICs are flagged as estimated (J).

- N - Indicates presumptive evidence of a compound. This flag is only used for TICs where a specific compound identification is based on a mass spectral library search.

- B - This flag is used when the compound is found in the associated blank as well as in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action. (note the difference between the 'B' lab qualifier for organics and inorganics).

- E - This flag identifies a compound where the concentration exceeded the calibration range of the instrument for that specific analysis. If one or more compounds have a response greater than full scale, the sample or extract must be diluted and re-analyzed. If the dilution of the extract cause any compounds identified in the first analysis to be below the calibration range in the second analysis, then the results of both analyses are reported.

- D - This flag identifies a compound that was identified in an analysis at a secondary dilution factor.

- P - This flag is used for a pesticide/PCB target compound when there is greater than 25% difference for the detected concentrations between the two GC columns. The lower of the two values is reported.

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

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

- X - X, Y, and Z flags may be used by the laboratory to properly define the results. In this project, Z was used to indicate results that were reported but considered by the laboratory to be a false positive.

**Laboratory Qualifiers for Inorganic Analyses**

- B - This flag is applied to a value greater than or equal to the instrument detection limit (IDL), but less than the Practical Quantitation Limit (PQL). (Note: the "B" laboratory qualifier for inorganics as defined by the EPA indicates the result is 'bracketed' by the IDL and CRDL. This laboratory qualifier does not indicate blank contamination for inorganic analyses.)

- U - Indicates analyte was analyzed for, but was not detected. The value reported is the instrument detection limit value (e.g., 10U).

- E - Indicates the value is estimated due to the presence of interference.

- S - Indicates the value was determined by the method of standard addition.
- M - Indicates duplicate injection precision for furnace analysis was not met.
- N - Indicates spike sample recovery was not within control limits.
- * - Indicates duplicate analysis was not within control limits.
- + - Indicates the correlation coefficient for method of standard addition was less than 0.995.
- W - Post-digestion spike for Furnace AA analysis was out of control limits (85-115%), while sample absorbence was less than 50% of spike absorbence.

**Data Validation Qualifier Definitions**

The data validation process was performed with specific project needs in mind. Data quality objectives and intended data usage, as outlined in the QAPP, were referred to. The data validation qualifiers defined below are presented with the data to the right of the slash mark ( / ) under the "LQ/DVQ" column.

The data validation/review qualifiers will indicate whether the data are,

- Usable as a quantitative concentration
- Usable with caution as an estimated concentration
- Unusable due to out-of-control QC results.

The following qualifiers were used by Montgomery Watson personnel in the validation of laboratory results. Field QC samples (trip blanks, field blanks, field duplicates) were also evaluated during the data validation process. Validation of organics data was performed using *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review*, U.S. EPA, February 1994. Inorganics data validation was performed using *USEPA Contract Laboratory Program National Functional Guideline for Inorganic Data Review*, U.S. EPA, February 1994. Based on comments received from the U.S.EPA Region 5 during September 1997, the fourth round of data was also evaluated based on the *Region 5 Standard Operating Procedure for Validation of CLP Organic Data* (2/97) and the *Region 5 Standard Operating Procedure for Validation of CLP Inorganic Data* (9/93).

**Data Validation Qualifiers for Organic Analyses**

- J - The associated numerical value is an estimated quantity, because quality control criteria were not met and/or because the value was less than the CRQL. TICs are flagged as estimated (J).

- U - Indicates compound was analyzed for, but was not detected. The associated value is the sample quantitation limit. The sample quantitation limit may be elevated due to contamination detected in laboratory blanks, field blanks, or, in the case of VOCs, trip blanks.

- UJ - Indicates the compound was analyzed for, but was not detected. The associated numerical value is an estimated quantitation limit.

- R - Quality control indicates the result is not usable (compound may or may not be present).

**Data Qualifiers for Inorganic Analyses**

- J - The associated numerical value is an estimated quantity because quality control criteria were not met (i.e., out of control (low or high) spike recoveries, interferences in serial dilution, or poor correlation coefficients).

- R - Quality control data indicates that the value is not usable (analyte may or may not be present).

- U - Indicates analyte was analyzed for, but was not detected. The associated value is the sample quantitation limit. The sample quantitation limit may be elevated due to contamination detected in laboratory blanks or field blanks.

- UJ - The analyte was analyzed for, but was not detected. The associate numerical value is an estimated quantitation limit.

## SUMMARY OF DATA VALIDATION QUALIFIED RESULTS

The fifth round of groundwater quality monitoring samples were analyzed by Quanterra Laboratories in Sacramento, California (All pesticide/PCBs analyses, and VOC analyses for SDGs 01 and 02) and St. Louis Missouri (all remaining parameters). Overall, Quanterra Laboratories experienced some difficulties with the analyses, and 34% of the data was qualified as estimated. Some specific concerns included:

1. VOC samples shipped by Quanterra from Missouri to California developed air bubbles during shipment, indicating the vials provided by the laboratory were of poor quality. Analytical results for all samples with air bubbles were qualified as estimated (UJ/J).
2. Several sample bottles were shipped by the Missouri lab to the Sacramento lab in error, and had to be shipped back. Samples were shipped between laboratories without custody seals.
3. Sample login and internal custody procedures appear lax, as shown by the SVOC sample GWMW15-05, which was run and reported by method 8270 instead of the CLP SOW. Results for this sample were qualified as estimated (UJ/J). While validated as useable, this analysis did not meet the technical requirements of the SOW.
4. While validated as usable, all pesticide/PCB analyses were not technically in conformance with the SOW method and should have been repeated, due to the instrument problems with the confirmation column. No confirmation column results were reported. These results were qualified as usable but estimated because no peaks were observed in the quantitation run within the retention time windows at concentrations greater than 50% of the CRQL.
5. No QC summary packages were provided with the four SDG reports.
6. Electronic data deliverables (EDD) for metals analyses reported the CRQLs instead of the required IDLs. The limits were corrected in the EDD by Montgomery Watson.

For a complete list of all qualified results, refer to the attached table.

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JAH/jah

# VALIDATION NARRATIVE

| | | | |
|---|---|---|---|
| **Project:** | ACS | **Analysis:** | INORGANICS |
| **Number:** | 1252042.221602 | **Matrix:** | Groundwater |
| | | Batch: | SDG-01 |
| Validated By: | JAH | Date: | 7-27-98 |

This narrative covers the validation of 20 groundwater samples from ACS for CLP inorganic analysis by Quanterra laboratories - Missouri 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 cyanide AA calibration criteria (calibration/ICV/CCV) was acceptable. All mercury CV calibration criteria (calibration/ICV/CCV) were acceptable.

**Blanks** Initial, continuing, and prep blanks were analyzed, together with one 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).

**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 Duplicates** Lab duplicate results were within acceptable QC limits (± 20% RPD), except for cyanide, which was not analyzed.

**Matrix Spikes** All matrix spike recoveries and RPDs were within acceptable QC limits (75-125% recovery), except for cyanide, which was not analyzed.

**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 acceptable, with no significant instrument related problems observed.

**Additional Case Specific Problems** No additional problems were observed with this inorganics case, except that no QC summary package was recieved with this data, the electronic data deliverables reported CRDLs instead of IDLs, and no MS/Dup analysis was reported for Cyanide.

JAH/jah
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# VALIDATION NARRATIVE

| | | | |
|---|---|---|---|
| **roject:** | ACS | **Analysis:** | INORGANICS |
| **Number:** | 1252042.221602 | **Matrix:** | Groundwater |
| | | Batch: | SDG-02 |
| Validated By: | JAH | Date: | 7-29-98 |

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This narrative covers the validation of 20 groundwater samples from ACS for CLP inorganic analysis by Quanterra laboratories - Missouri 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 cyanide AA calibration criteria (calibration/ICV/CCV) was acceptable. All mercury CV calibration criteria (calibration/ICV/CCV) were acceptable.

**Blanks** Initial, continuing, and prep blanks were analyzed, together with one 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).

**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 Duplicates** Lab duplicate results were within acceptable QC limits (± 20% RPD), except for cyanide, which was not analyzed.

**Matrix Spikes** All matrix spike recoveries and RPDs were within acceptable QC limits (75-125% recovery), except for cyanide, which was not analyzed.

**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 manganese (E flag), which was qualified as estimated (J).

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

**Additional Case Specific Problems** No additional problems were observed with this inorganics case, except that no QC summary package was recieved with this data, the electronic data deliverables reported CRDLs instead of IDLs, and no MS/Dup analysis was reported for Cyanide.

JAH/jah
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# VALIDATION NARRATIVE

| | | | |
|---|---|---|---|
| **Project:** | **ACS Round 5** | **Analysis:** | INORGANICS |
| **Number:** | 1252042.221602 | **Matrix:** | Groundwater |
| | | Batch: | SDG-04 |
| Validated By: | JAH | Date: | 8-4-98 |

This narrative covers the validation of 5 groundwater samples from ACS for CLP inorganic analysis by Quanterra laboratories - Missouri 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 cyanide AA calibration criteria (calibration/ICV/CCV) was acceptable. All mercury CV calibration criteria (calibration/ICV/CCV) were acceptable.

**Blanks** Initial, continuing, and prep blanks were analyzed, together with one 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).

**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 Duplicates** Lab duplicate results were within acceptable QC limits (± 20% RPD), except for cyanide, which was not analyzed.

**Matrix Spikes** All matrix spike recoveries and RPDs were within acceptable QC limits (75-125% recovery), except for cyanide, which was not analyzed.

**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 manganese (E flag), which was qualified as estimated (J).

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

**Additional Case Specific Problems** No additional problems were observed with this inorganics case, except that no QC summary package was received with this data, and the electronic data deliverables reported CRDLs instead of IDLs.

JAH/jah
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# VALIDATION NARRATIVE

**Project:** ACS - Round 5
**Number:** 1252042.221602

Validated By: JAH

**Analysis:** VOCs, SVOCs, PCBs
**Matrix:** Groundwater
**SDG:** 01
Date: 7-22-98

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This narrative covers the validation of 20 groundwater samples from the ACS Site for CLP organic analysis by Quanterra Laboratories using CLP methodologies. VOC & Pesticides were performed at the Sacramento lab, while SVOCs were performed in Missouri. 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. 15 of 20 VOC samples were received with air bubbles in the vials. All analytical results for these samples are qualified as estimated ('J' or 'UJ') due to the potential loss of volatiles.

**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 for the quantitation column. No confirmation run was reported due to 'instrument problems'.

**Calibration**
All VOC calibration criteria was acceptable.
All SVOC CLP-SOW calibration criteria was acceptable. Sample MW15-05 was analyzed by method SW-846 8270 instead of by the SOW SVOC method. The 8270 method uses a linear curve instead of response factors. Because this method is not part of the QAPP, there are no project specific QC limits for this analysis. Results for this sample have been qualified as estimated ('J' or 'UJ') because of the change in methodology.
All pesticide quantitation-column calibration criteria were acceptable. No confirmation-column results were reported. Therefore, the technical acceptance criteria as specified in the SOW for the pesticide analysis was not met. However, because no pesticides/PCBs were detected in the quantitation run at concentrations greater than 50% of the CRQL, the laboratory felt justified in reporting the results without a confirmation run. All pesticide/PCB results are qualified as estimated ('J' or 'UJ') to indicate the analysis was not performed according to the method.

**Blanks** VOC method blanks, two trip blanks and one field blank were analyzed. The VOC method blanks contained 1,1-DCE at 1 ug/L and TICs. The trip blanks contained acetone (34-38 ug/L) and methylene chloride (7-8 ug/L) and TICs. The field blank contained

benzene (2 ug/L) and acetone (7 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 and one field blank were analyzed. The method blanks contained butylbenzyl phthalate (1 ug/L), phenol (4 ug/L), and a variety of TICs. The field blank contained bis(2-ethylhexyl)phthalate at 1 ug/L). 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 one field blank were analyzed. No compounds were reported as detected.

**Surrogates** All VOC surrogate recoveries were within QC limits.
All SVOC surrogate recoveries were within QC limits.
All quantitation-column pesticide/PCB surrogate recoveries were within advisory QC limits.

**Matrix Spikes** All VOC matrix spike recoveries and RPDs were within acceptable QC limits. MS/MSD analysis was not performed on the SVOCs and pesticides. Instead, laboratory control spike analyses were performed. QC on the LCS analyses was acceptable.

**Field Duplicates** Field duplicate analysis was performed on ACS-GWMW42-05. VOCs and pesticides were not detected in these samples. SVOC field duplicate results for diethylphthalate were less than 10 ug/L and 45 ug/L in the duplicate. Di-n-butylphthalate results were 1 and 2 ug/L, respectively. Although not detected in the blanks, the diethylphthtalate is likely due to sample contamination. No other detects were reported.

**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 and baseline resolution criteria on the quantitation column was acceptable. As stated above, no confirmation run was reported.

**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 quantitation run florisil and GPC cleanup check results were within acceptable QC limits. No pesticide confirmation run was reported.

**Sample Results** Overall data quality by the laboratory was marginal:

- VOC sample vials provided by the laboratory would not seal properly, as shown by both the trip blanks prepared in the lab and samples prepared in the field.

- Several sample bottles were shipped by the Missouri lab to the Sacramento lab in error, and had to be shipped back. Samples were shipped between laboratories without custody seals.
- Sample login and internal custody procedures appear lax, as shown by the SVOC sample run and reported by method 8270 instead of the CLP SOW. While validated as useable, this analysis did not meet the technical requirements of the SOW.
- While validated as usable, the entire pesticide/PCB analysis was not technically in conformance with the SOW method and should have been repeated, due to the instrument problems with the confirmation column. Discrepancies between the instrument run log and Form VIII-Pest (Pesticide Analytical Sequence) were observed.
- No QC summary package was provided with the report.

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# VALIDATION NARRATIVE

| | |
|---|---|
| **Project:** ACS - Round 5 | **Analysis:** VOCs, SVOCs, PCBs |
| **Number:** 1252042.221602 | **Matrix:** Groundwater |
| | **SDG:** 02 |
| Validated By: JAH | Date: 7-31-98 |

This narrative covers the validation of 20 groundwater samples from the ACS Site for CLP organic analysis by Quanterra Laboratories using CLP methodologies. VOC & Pesticides were performed at the Sacramento lab, while SVOCs were performed in Missouri. 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. 16 of 20 VOC samples were received with air bubbles in the vials. The air bubbles were due to low quality VOA vials. All analytical results for these samples are qualified as estimated ('J' or 'UJ') due to the potential loss of volatiles.

**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 for the quantitation columns. No confirmation run was reported due to 'instrument problems'.

**Calibration**
All VOC calibration criteria was acceptable.
All SVOC CLP-SOW calibration criteria was acceptable.
All pesticide quantitation-column calibration criteria were within acceptable validation criteria. No confirmation-column results were reported. Therefore, the technical acceptance criteria as specified in the SOW for the pesticide analysis was not met. However, because no pesticides/PCBs were detected in the quantitation run at concentrations greater than 50% of the CRQL, the laboratory felt justified in reporting the results without a confirmation run. All pesticide/PCB results are qualified as estimated ('J' or 'UJ') to indicate the analysis was not performed according to the method.

**Blanks** VOC method blanks, two trip blanks and one field blank were analyzed. The VOC method blanks contained 1,1-DCE (1 ug/L), TCE (1 ug/L), and TICs. The trip blanks contained 1,1-DCE (1 ug/L), acetone (29-38 ug/L) and methylene chloride (9-10 ug/L) and TICs. The field blank contained 1,1-DCE (1 ug/L) methylene chloride (1 ug/L), and chloroform (1 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 and one field blank were analyzed. The method blanks contained butylbenzyl phthalate (1 ug/L), phenol (3 ug/L), and a variety of TICs. The field blank contained bis(2-ethylhexyl)phthalate (1 ug/L). 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 one field blank were analyzed. No compounds were reported as detected.

**Surrogates** All VOC surrogate recoveries were within QC limits.
All SVOC surrogate recoveries were within QC limits.
All quantitation-column pesticide/PCB surrogate recoveries were within advisory QC limits.

**Matrix Spikes** MS/MSD analysis was performed on MW51-05. All VOC matrix spike recoveries and RPDs were within acceptable QC limits. MS/MSD analysis was not performed on the cyanide sample, due to loss of the distillate. Instead, laboratory control spike analyses were performed. QC on the LCS analyses was acceptable.

**Field Duplicates** Field duplicate analysis was performed on ACS-GWMW23 and ACS-GWMW24. VOCs, SVOC, and pesticides duplicate QC was acceptable in these samples.

**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 and baseline resolution criteria on the quantitation column was acceptable. As stated above, no confirmation run was reported.

**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 quantitation run florisil and GPC cleanup check results were within acceptable QC limits. No pesticide confirmation run was reported.

**Sample Results** Overall data quality by the laboratory was marginal:

- VOC sample vials provided by the laboratory would not seal properly, as shown by both the trip blanks prepared in the lab and samples prepared in the field.
- While validated as usable, the entire pesticide/PCB analysis was not technically in conformance with the SOW method and should have been repeated, due to the instrument problems with the confirmation column. Discrepancies between the instrument run log and Form VIII-Pest (Pesticide Analytical Sequence) were observed.
- No QC summary package was provided with the report.

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# VALIDATION NARRATIVE

| | |
|---|---|
| **Project:** ACS - Round 5 | **Analysis:** VOCs, SVOCs, PCBs |
| **Number:** 1252042.221602 | **Matrix:** Groundwater |
| | **SDG:** 04 |
| Validated By: JAH | Date: 8-3-98 |

This narrative covers the validation of 7 groundwater samples from the ACS Site for CLP organic analysis by Quanterra Laboratories using CLP methodologies. Pesticide analysis was performed at the Sacramento lab, while VOCs and SVOCs were performed in Missouri. 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, with the exception of the re-analysis of VOCs MW14-05 and TB07-05. Results were qualified as estimated.

Pesticide/PCB samples were shipped from the Missouri lab to the Sacramento lab, where they were received at a temperature of 13-15° C. Results for all pesticide/PCB samples have been qualified as estimated.

**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, and florisil cartridge check QC criteria was acceptable for the quantitation columns. No confirmation run was reported due to 'instrument problems'.

**Calibration**
All VOC calibration criteria was acceptable.
All SVOC CLP-SOW calibration criteria was acceptable.
All pesticide quantitation-column calibration criteria were within acceptable validation criteria. No confirmation-column results were reported. Therefore, the technical acceptance criteria as specified in the SOW for the pesticide analysis was not met. However, because no pesticides/PCBs were detected in the quantitation run at concentrations greater than 50% of the CRQL, the laboratory felt justified in reporting the results without a confirmation run. All pesticide/PCB results are qualified as estimated ('J' or 'UJ') to indicate the analysis was not performed according to the method.

**Blanks** VOC method blanks, two trip blanks and one field blank were analyzed. The VOC method blanks contained methylene chloride (4-20 ug/L), acetone (13-40 ug/L), and TICs. The trip blanks contained methylene chloride (2-7 ug/L), acetone (6 ug/L) and TICs. The field blank contained methylene chloride (4 ug/L), and TICs. Sample results were qualified using the 5x/10x rule as undetected at the sample result or the CRQL, whichever was

greater. The re-analysis of TB06 also contained chloromethane (2 ug/L) and chloroethane (3 ug/L), both of which were not detected in the first analysis of TB06. Chloroethane was detected in sample MW10C (160 ug/L), run immediately before TB06 RE, indicating carryover problems.

SVOC method blanks and one field blank were analyzed. The method blank contained phenol (3 ug/L), and a variety of TICs. The field blank contained phenol (3 ug/L), and bis(2-ethylhexyl)phthalate (38 ug/L). 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 one field blank were analyzed. No compounds were reported as detected.

**Surrogates** All VOC surrogate recoveries were within QC limits, except for MW10C, MW14, MW49, TB06 and TB07. The out of control surrogate results were either high, or just below the low control limit, with 84-85% recovery (range 86-115%). No qualifiers were applied for this criteria.

All SVOC surrogate recoveries were within QC limits, except for MW14RI and MW49RI, which were repeated due to high internal standard results. Recoveries were high except for phenol-$d_5$ in MW49. These re-injection results were not used, as the original injections were reported.

All quantitation-column pesticide/PCB surrogate recoveries were within advisory QC limits.

**Matrix Spikes** MS/MSD analysis was performed on MW47-05. All matrix spike recoveries and RPDs 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 for MW14, MW49 and the LCS sample. IS recoveries for these samples were just out of the high control limit (207-247%, with range of 50-200%). Because the surrogate results were out for the re-injections of these samples, the original results were reported and qualified as estimated.

**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 and baseline resolution criteria on the quantitation column was acceptable. As stated above, no confirmation run was reported.

**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 quantitation run florisil cleanup results were within acceptable QC limits. No pesticide confirmation run was reported.

**Sample Results** Overall data quality by the laboratory was marginal:

- While validated as usable, the entire pesticide/PCB analysis was not technically in conformance with the SOW method and should have been repeated, due to the instrument problems with the confirmation column. Samples shipped between laboratories were inadequately cooled.
- No QC summary package was provided with the report.

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWM4~~0~~05 D

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-003

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP2898

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: not dec. _____ Date Analyzed: 06/17/98

GC Column: RTX-502.2 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 |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | | 10 | U |
| 74-83-9 | Bromomethane | UJ | 10 | U |
| 75-01-4 | Vinyl Chloride | | 10 | U |
| 75-00-3 | Chloroethane | | 10 | U |
| 75-09-2 | Methylene Chloride | U | 4 | JB |
| 67-64-1 | Acetone | UJ | 10 | U |
| 75-15-0 | Carbon Disulfide | | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | | 10 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | | 10 | U |
| 67-66-3 | Chloroform | | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | | 10 | U |
| 78-93-3 | 2-Butanone | | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 10 | U |
| 56-23-5 | Carbon Tetrachloride | | 10 | U |
| 75-27-4 | Bromodichloromethane | | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | | 10 | U |
| 79-01-6 | Trichloroethene | | 10 | U |
| 124-48-1 | Dibromochloromethane | | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 10 | U |
| 71-43-2 | Benzene | | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | | 10 | U |
| 75-25-2 | Bromoform | | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone | | 10 | U |
| 591-78-6 | 2-Hexanone | | 10 | U |
| 127-18-4 | Tetrachloroethene | | 10 | U |
| 108-88-3 | Toluene | | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 10 | U |
| 108-90-7 | Chlorobenzene | | 10 | U |
| 100-41-4 | Ethylbenzene | | 10 | U |
| 100-42-5 | Styrene | | 10 | U |
| 1330-20-7 | Xylenes (total) | | 2 | J |

1E

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWM4~~0~~8005

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-003

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP2898

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: not dec. _____ Date Analyzed: 06/17/98

GC Column: RTX-502.2 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 |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE N

GWM4Ø-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-003

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2325

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: decanted: (Y/N) Date Extracted: 06/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

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 | U |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWM4~~0~~D-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-003

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2325

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: decanted: (Y/N) Date Extracted: 06/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | 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 | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 25 | 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-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

1F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE N

D
GWM4Ø-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-003

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2325

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: decanted: (Y/N) Date Extracted: 06/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

Injection Volume: 2.0(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 |
|---|---|---|---|---|
| 1. | UNKNOWN | 2.52 | 46 | J |
| 2. | UNKNOWN | 6.03 | 2 | J |
| 3. | UNKNOWN | 14.20 | 5 | J |
| 4. | UNKNOWN | 14.73 | 3 | J |
| 5. | UNKNOWN | 19.95 | 3 | J |

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW4~~0~~D-05

Lab Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99665 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 99665-9

Sample wt/vol: 1050 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/10/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/30/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | UJ 0.048 | U |
| 319-85-7 | beta-BHC | 0.048 | U |
| 319-86-8 | delta-BHC | 0.048 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.048 | U |
| 76-44-8 | Heptachlor | 0.048 | U |
| 309-00-2 | Aldrin | 0.048 | U |
| 1024-57-3 | Heptachlor epoxide | 0.048 | U |
| 959-98-8 | Endosulfan I | 0.048 | U |
| 60-57-1 | Dieldrin | 0.095 | U |
| 72-55-9 | 4,4'-DDE | 0.095 | U |
| 72-20-8 | Endrin | 0.095 | U |
| 33213-65-9 | Endosulfan II | 0.095 | U |
| 72-54-8 | 4,4'-DDD | 0.095 | U |
| 1031-07-8 | Endosulfan sulfate | 0.095 | U |
| 50-29-3 | 4,4'-DDT | 0.095 | U |
| 72-43-5 | Methoxychlor | 0.48 | U |
| 53494-70-5 | Endrin ketone | 0.095 | U |
| 7421-93-4 | Endrin aldehyde | 0.095 | U |
| 5103-71-9 | alpha-Chlordane | 0.048 | U |
| 5103-74-2 | gamma-Chlordane | 0.048 | U |
| 8001-35-2 | Toxaphene | 4.8 | U |
| 12674-11-2 | Aroclor-1016 | 0.95 | U |
| 11104-28-2 | Aroclor-1221 | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | 0.95 | U |
| 53469-21-9 | Aroclor-1242 | 0.95 | U |
| 12672-29-6 | Aroclor-1248 | 0.95 | U |
| 11097-69-1 | Aroclor-1254 | 0.95 | U |
| 11096-82-5 | Aroclor-1260 | 0.95 | U |

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWM4D05

Lab Name: QUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix (soil/water): WATER Lab Sample ID: 18055-003

Level (low/med): LOW Date Received: 06/09/98

% 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 | 379 | | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | 1.9 | U | | P |
| 7440-39-3 | Barium | 193 | B | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 90200 | | | P |
| 7440-47-3 | Chromium | 2.1 | U | | P |
| 7440-48-4 | Cobalt | U 5.8 | B | | P |
| 7440-50-8 | Copper | 3.6 | U | | P |
| 7439-89-6 | Iron | 2300 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 43800 | | | P |
| 7439-96-5 | Manganese | 38.0 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 2940 | B | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 85900 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | U 6.3 | B | | P |
| 7440-66-6 | Zinc | U 12.3 | B | | P |
| | Cyanide | U 2.1 | B | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW07-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-12

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1043

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/08/98

GC Column: DB624 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 |
|---|---|---|---|
| 74-87-3 | Chloromethane (**) | 10 | U |
| 75-01-4 | Vinyl Chloride (*) | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene(*) | 10 | U |
| 67-64-1 | Acetone (xtra) | 10 | U |
| 75-15-0 | Carbon Disulfide (xtra) | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 540-59-0 | 1,2-dichloroethene (total) | 10 | U |
| 75-34-3 | 1,1-Dichloroethane (**) | 10 | U |
| 78-93-3 | 2-Butanone (xtra) | 10 | U |
| 67-66-3 | Chloroform (*) | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 79-01-6 | Trichloroethene | 10 | U |
| 78-87-5 | 1,2-Dichloropropane(*) | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | 10 | U |
| 108-88-3 | Toluene (*) | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene(xt | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone (xtra) | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 108-90-7 | Chlorobenzene (**) | 10 | U |
| 1330-20-7 | Xylenes (total) | 10 | U |
| 100-41-4 | Ethylbenzene (*) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform (**) | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane(** | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW07-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-12

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1043

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/08/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 4

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | 5700 UNKNOWN | 2.37 | 10 | J |
| 2. | UNKNOWN | 3.29 | 5 | J |
| 3. | UNKNOWN | 3.68 | 6 | J |
| 4. | UNKNOWN | 5.19 | 10 | J |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW07-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-019

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7346

Level: (low/med) LOW Date Received: 06/04/98

% Moisture: decanted: (Y/N) Date Extracted: 06/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/16/98

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 | U |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW07-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-019

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7346

Level: (low/med) LOW Date Received: 06/04/98

% Moisture: decanted: (Y/N) Date Extracted: 06/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/16/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | 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 | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 25 | 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-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

GWMW07-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-019

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7346

Level: (low/med) LOW Date Received: 06/04/98

% Moisture: decanted: (Y/N) Date Extracted: 06/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/16/98

Injection Volume: 2.0(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 |
|---|---|---|---|---|
| 1. | UNKNOWN | 15.13 | 9 | J |
| 2. | UNKNOWN | 27.94 | 5 | J |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW07-05

:b Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99599 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-12

Sample wt/vol: 977.0 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/05/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/09/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/17/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.051 | U |
| 319-85-7 | beta-BHC | 0.051 | U |
| 319-86-8 | delta-BHC | 0.051 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.051 | U |
| 76-44-8 | Heptachlor | 0.051 | U |
| 309-00-2 | Aldrin | 0.051 | U |
| 1024-57-3 | Heptachlor epoxide | 0.051 | U |
| 959-98-8 | Endosulfan I | 0.051 | U |
| 60-57-1 | Dieldrin | 0.10 | U |
| 72-55-9 | 4,4'-DDE | 0.10 | U |
| 72-20-8 | Endrin | 0.10 | U |
| 33213-65-9 | Endosulfan II | 0.10 | U |
| 72-54-8 | 4,4'-DDD | 0.10 | U |
| 1031-07-8 | Endosulfan sulfate | 0.10 | U |
| 50-29-3 | 4,4'-DDT | 0.10 | U |
| 72-43-5 | Methoxychlor | 0.51 | U |
| 53494-70-5 | Endrin ketone | 0.10 | U |
| 7421-93-4 | Endrin aldehyde | 0.10 | U |
| 5103-71-9 | alpha-Chlordane | 0.051 | U |
| 5103-74-2 | gamma-Chlordane | 0.051 | U |
| 8001-35-2 | Toxaphene | 5.1 | U |
| 12674-11-2 | Aroclor-1016 | 1.0 | U |
| 11104-28-2 | Aroclor-1221 | 2.0 | U |
| 11141-16-5 | Aroclor-1232 | 1.0 | U |
| 53469-21-9 | Aroclor-1242 | 1.0 | U |
| 12672-29-6 | Aroclor-1248 | 1.0 | U |
| 11097-69-1 | Aroclor-1254 | 1.0 | U |
| 11096-82-5 | Aroclor-1260 | 1.0 | U |

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW0705

Lab Name: QUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS1

Matrix (soil/water): WATER Lab Sample ID: 18016-019

Level (low/med): LOW Date Received: 06/04/98

% 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 28.8 | B | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | U 2.9 | B | | P |
| 7440-39-3 | Barium | 108 | B | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 86500 | | | P |
| 7440-47-3 | Chromium | 2.1 | U | | P |
| 7440-48-4 | Cobalt | 3.8 | U | | P |
| 7440-50-8 | Copper | 3.6 | U | | P |
| 7439-89-6 | Iron | 2970 | | | P |
| 7439-92-1 | Lead | 1.1 | B | | P |
| 7439-95-4 | Magnesium | 28500 | | | P |
| 7439-96-5 | Manganese | 150 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 2150 | U | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 19500 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | 4.4 | U | | P |
| 7440-66-6 | Zinc | 20.1 | | | P |
| | Cyanide | 0.85 | U | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW0805

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18057-012

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP2984

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: not dec. _____ Date Analyzed: 06/20/98

GC Column: RTX-502.2 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 |
|---|---|---|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | Trichloroethene | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 1330-20-7 | Xylenes (total) | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW0805

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18057-012

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP2984

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: not dec. _____ Date Analyzed: 06/20/98

GC Column: RTX-502.2 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 |
|---|---|---|---|---|
| 1. | | | | |
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE N

GWMW08-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18057-012

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7756

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: decanted: (Y/N) Date Extracted: 06/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/14/98

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 | U |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |



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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWMW08-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18057-012

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7756

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: decanted: (Y/N) Date Extracted: 06/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/14/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | 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 | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 25 | 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-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW08-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18057-012

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7756

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: decanted: (Y/N) Date Extracted: 06/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/14/98

Injection Volume: 2.0(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 |
|---|---|---|---|---|
| 1. | UNKNOWN | 27.08 | 2 | J |
| 2. | UNKNOWN | 27.33 | 6 | J |

# PESTICIDE ORGANICS ~~ID~~ ANALYSIS DATA SHEET

~~EPA SAMPLE NO.~~

GWMW08-05

ıb Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99665 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 99665-15

Sample wt/vol: 1020 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/11/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/12/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/01/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.049 | U |
| 319-85-7 | beta-BHC | 0.049 | U |
| 319-86-8 | delta-BHC | 0.049 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.049 | U |
| 76-44-8 | Heptachlor | 0.049 | U |
| 309-00-2 | Aldrin | 0.049 | U |
| 1024-57-3 | Heptachlor epoxide | 0.049 | U |
| 959-98-8 | Endosulfan I | 0.049 | U |
| 60-57-1 | Dieldrin | 0.098 | U |
| 72-55-9 | 4,4'-DDE | 0.098 | U |
| 72-20-8 | Endrin | 0.098 | U |
| 33213-65-9 | Endosulfan II | 0.098 | U |
| 72-54-8 | 4,4'-DDD | 0.098 | U |
| 1031-07-8 | Endosulfan sulfate | 0.098 | U |
| 50-29-3 | 4,4'-DDT | 0.098 | U |
| 72-43-5 | Methoxychlor | 0.49 | U |
| 53494-70-5 | Endrin ketone | 0.098 | U |
| 7421-93-4 | Endrin aldehyde | 0.098 | U |
| 5103-71-9 | alpha-Chlordane | 0.049 | U |
| 5103-74-2 | gamma-Chlordane | 0.049 | U |
| 8001-35-2 | Toxaphene | 4.9 | U |
| 12674-11-2 | Aroclor-1016 | 0.98 | U |
| 11104-28-2 | Aroclor-1221 | 2.0 | U |
| 11141-16-5 | Aroclor-1232 | 0.98 | U |
| 53469-21-9 | Aroclor-1242 | 0.98 | U |
| 12672-29-6 | Aroclor-1248 | 0.98 | U |
| 11097-69-1 | Aroclor-1254 | 0.98 | U |
| 11096-82-5 | Aroclor-1260 | 0.98 | U |

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW0805

Lab Name: QUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix (soil/water): WATER Lab Sample ID: 18057-012

Level (low/med): LOW Date Received: 06/10/98

% 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 44.1 | B | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | u 2.8 | B | | P |
| 7440-39-3 | Barium | 102 | B | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 50100 | | | P |
| 7440-47-3 | Chromium | 2.1 | U | | P |
| 7440-48-4 | Cobalt | 3.8 | U | | P |
| 7440-50-8 | Copper | 3.6 | U | | P |
| 7439-89-6 | Iron | 1140 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 16700 | | | P |
| 7439-96-5 | Manganese | 89.5 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 2150 | U | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 12100 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | u 4.4 | B | | P |
| 7440-66-6 | Zinc | 17.0 | B | | P |
| | Cyanide | 0.85 | U | * | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW09R-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99600 SAS No.: NA SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-10

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1082

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/10/98

GC Column: DB624 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 |
|---|---|---|---|
| 74-87-3 | Chloromethane (**) | 10 | U |
| 75-01-4 | Vinyl Chloride (*) | 4 | J |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 1100 | E |
| 75-35-4 | 1,1-Dichloroethene(*) | 1 | JB |
| 67-64-1 | Acetone (xtra) | 10 | U |
| 75-15-0 | Carbon Disulfide (xtra) | 10 | U |
| 75-09-2 | Methylene Chloride | 7 | J |
| 540-59-0 | 1,2-dichloroethene (total) | 1 | J |
| 75-34-3 | 1,1-Dichloroethane (**) | 10 | U |
| 78-93-3 | 2-Butanone (xtra) | 10 | U |
| 67-66-3 | Chloroform (*) | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 110 | |
| 107-06-2 | 1,2-Dichloroethane | 2 | J |
| 79-01-6 | Trichloroethene | 10 | U |
| 78-87-5 | 1,2-Dichloropropane(*) | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | 10 | U |
| 108-88-3 | Toluene (*) | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene(xt | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone (xtra) | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 108-90-7 | Chlorobenzene (**) | 10 | U |
| 1330-20-7 | Xylenes (total) | 10 | U |
| 100-41-4 | Ethylbenzene (*) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform (**) | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane(** | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW09R-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99600 SAS No.: NA SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-10

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1082

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/10/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 2

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 108-20-3 | DIISOPROPYL ETHER | 4.72 | 10 | NJ |
| 2. 111-43-3 | DI-N-PROPYL ETHER | 7.00 | 13 | NJ |
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW09R-05DL

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99600 SAS No.: NA SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-10DL

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1074

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/11/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 20.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q |
|---|---|---|---|---|
| 74-87-3 | Chloromethane (**) | | 200 | U |
| 75-01-4 | Vinyl Chloride (*) | | 200 | U |
| 74-83-9 | Bromomethane | | 200 | U |
| 75-00-3 | Chloroethane | J | 1400 | D |
| 75-35-4 | 1,1-Dichloroethene(*) | | 30 | DJB |
| 67-64-1 | Acetone (xtra) | | 200 | U |
| 75-15-0 | Carbon Disulfide (xtra) | | 200 | U |
| 75-09-2 | Methylene Chloride | | 200 | U |
| 540-59-0 | 1,2-dichloroethene (total) | | 200 | U |
| 75-34-3 | 1,1-Dichloroethane (**) | | 200 | U |
| 78-93-3 | 2-Butanone (xtra) | | 200 | U |
| 67-66-3 | Chloroform (*) | | 200 | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 200 | U |
| 56-23-5 | Carbon Tetrachloride | | 200 | U |
| 71-43-2 | Benzene | | 100 | DJ |
| 107-06-2 | 1,2-Dichloroethane | | 200 | U |
| 79-01-6 | Trichloroethene | | 200 | U |
| 78-87-5 | 1,2-Dichloropropane(*) | | 200 | U |
| 75-27-4 | Bromodichloromethane | | 200 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | | 200 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | | 200 | U |
| 108-88-3 | Toluene (*) | | 200 | U |
| 10061-02-6 | trans-1,3-Dichloropropene(xt | | 200 | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 200 | U |
| 127-18-4 | Tetrachloroethene | | 200 | U |
| 591-78-6 | 2-Hexanone (xtra) | | 200 | U |
| 124-48-1 | Dibromochloromethane | | 200 | U |
| 108-90-7 | Chlorobenzene (**) | | 200 | U |
| 1330-20-7 | Xylenes (total) | | 200 | U |
| 100-41-4 | Ethylbenzene (*) | | 200 | U |
| 100-42-5 | Styrene | | 200 | U |
| 75-25-2 | Bromoform (**) | | 200 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane(** | | 200 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW09R-05DL

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99600 SAS No.: NA SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-10DL

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1074

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/11/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 20.0

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 |
|---|---|---|---|---|
| 1. | | | | |
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW09R-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18023-006

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2292

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: decanted: (Y/N) Date Extracted: 06/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/17/98

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 | U |
| 111-44-4 | bis(2-Chloroethyl)Ether | 15 | |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW09R-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18023-006

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2292

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: decanted: (Y/N) Date Extracted: 06/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/17/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | 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 | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 25 | 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-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW09R-05

ab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18023-006

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2292

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: decanted: (Y/N) Date Extracted: 06/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/17/98

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 22

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 0 | UNKNOWN | 2.69 | 25 | BJN |
| 2. 873949 | Cyclohexanone, 3,3,5-trimeth | 7.62 | 12 | JN |
| 3. 0 | UNKNOWN | 8.94 | 63 | BJN |
| 4. 0 | UNKNOWN | 9.49 | 8 | BJN |
| 5. 0 | UNKNOWN | 10.23 | 10 | BJN |
| 6. 0 | UNKNOWN | 11.70 | 9 | BJN |
| 7. 0 | UNKNOWN | 11.76 | 15 | BJN |
| 8. 0 | UNKNOWN | 12.72 | 6 | BJN |
| 9. 0 | UNKNOWN | 13.73 | 8 | BJN |
| 10. 0 | UNKNOWN | 13.86 | 3 | BJN |
| 11. 0 | UNKNOWN | 13.94 | 4 | BJN |
| 12. 0 | UNKNOWN | 14.23 | 10 | BJN |
| 13. 0 | UNKNOWN | 14.72 | 8 | BJN |
| 14. 0 | UNKNOWN | 14.80 | 5 | BJN |
| 15. 0 | UNKNOWN | 14.85 | 2 | BJN |
| 16. 0 | UNKNOWN | 15.89 | 7 | BJN |
| 17. 0 | UNKNOWN | 15.97 | 4 | BJN |
| 18. 0 | UNKNOWN | 18.50 | 6 | BJN |
| 19. 0 | UNKNOWN | 19.12 | 8 | BJN |
| 20. 0 | UNKNOWN | 19.40 | 10 | BJN |
| 21. 0 | UNKNOWN | 23.59 | 6 | BJN |
| 22. 0 | UNKNOWN | 24.18 | 14 | BJN |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW09R-05

Lab Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99600 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-10

Sample wt/vol: 1050 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/06/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/09/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/23/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.048 | U |
| 319-85-7 | beta-BHC | 0.048 | U |
| 319-86-8 | delta-BHC | 0.048 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.048 | U |
| 76-44-8 | Heptachlor | 0.048 | U |
| 309-00-2 | Aldrin | 0.048 | U |
| 1024-57-3 | Heptachlor epoxide | 0.048 | U |
| 959-98-8 | Endosulfan I | 0.048 | U |
| 60-57-1 | Dieldrin | 0.095 | U |
| 72-55-9 | 4,4'-DDE | 0.095 | U |
| 72-20-8 | Endrin | 0.095 | U |
| 33213-65-9 | Endosulfan II | 0.095 | U |
| 72-54-8 | 4,4'-DDD | 0.095 | U |
| 1031-07-8 | Endosulfan sulfate | 0.095 | U |
| 50-29-3 | 4,4'-DDT | 0.095 | U |
| 72-43-5 | Methoxychlor | 0.48 | U |
| 53494-70-5 | Endrin ketone | 0.095 | U |
| 7421-93-4 | Endrin aldehyde | 0.095 | U |
| 5103-71-9 | alpha-Chlordane | 0.048 | U |
| 5103-74-2 | gamma-Chlordane | 0.048 | U |
| 8001-35-2 | Toxaphene | 4.8 | U |
| 12674-11-2 | Aroclor-1016 | 0.95 | U |
| 11104-28-2 | Aroclor-1221 | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | 0.95 | U |
| 53469-21-9 | Aroclor-1242 | 0.95 | U |
| 12672-29-6 | Aroclor-1248 | 0.95 | U |
| 11097-69-1 | Aroclor-1254 | 0.95 | U |
| 11096-82-5 | Aroclor-1260 | 0.95 | U |

WJ

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW09R05

Lab Name: QUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS2

Matrix (soil/water): WATER Lab Sample ID: 18023-006

Level (low/med): LOW Date Received: 06/05/98

% 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 100 | B | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | 1.9 | U | | P |
| 7440-39-3 | Barium | 227 | | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 128000 | | | P |
| 7440-47-3 | Chromium | u 4.7 | B | | P |
| 7440-48-4 | Cobalt | 3.8 | U | | P |
| 7440-50-8 | Copper | u 6.2 | B | | P |
| 7439-89-6 | Iron | 13500 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 31300 | | | P |
| 7439-96-5 | Manganese | J 201 | | E | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 4690 | B | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 68400 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | u 11.7 | B | | P |
| 7440-66-6 | Zinc | u 44.8 | | | P |
| | Cyanide | u 1.5 | B | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW10C

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 18057-018

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP3034

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: not dec. _____ Date Analyzed: 06/23/98

GC Column: RTX-502.2 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 |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | | 10 | U |
| 74-83-9 | Bromomethane | | 10 | U |
| 75-01-4 | Vinyl Chloride | | 10 | U |
| 75-00-3 | Chloroethane | | 160 | |
| 75-09-2 | Methylene Chloride | UJ | 9 | JB |
| 67-64-1 | Acetone | UJ | 3 | JB |
| 75-15-0 | Carbon Disulfide | | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | | 10 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | | 10 | U |
| 67-66-3 | Chloroform | | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | | 10 | U |
| 78-93-3 | 2-Butanone | | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 10 | U |
| 56-23-5 | Carbon Tetrachloride | | 10 | U |
| 75-27-4 | Bromodichloromethane | | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | | 10 | U |
| 79-01-6 | Trichloroethene | | 10 | U |
| 124-48-1 | Dibromochloromethane | | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 10 | U |
| 71-43-2 | Benzene | | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | | 10 | U |
| 75-25-2 | Bromoform | | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone | | 10 | U |
| 591-78-6 | 2-Hexanone | UJ | 10 | U |
| 127-18-4 | Tetrachloroethene | | 10 | U |
| 108-88-3 | Toluene | | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 10 | U |
| 108-90-7 | Chlorobenzene | | 10 | U |
| 100-41-4 | Ethylbenzene | | 10 | U |
| 100-42-5 | Styrene | | 10 | U |
| 1330-20-7 | Xylenes (total) | | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW10C

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 18057-018

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP3034

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: not dec. _____ Date Analyzed: 06/23/98

GC Column: RTX-502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 2

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 60-29-7 | ETHER | 2.70 | 341.0 | NJ |
| 2. 123-91-1 | 1,4-DIOXANE | 10.35 | 10.22 | NJ |
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE N

GWMW10C-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S05704 SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 18057-018

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7472

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: decanted: (Y/N) Date Extracted: 06/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/24/98

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 | U |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWMW10C-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S05704 SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 18057-018

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7472

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: decanted: (Y/N) Date Extracted: 06/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/24/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | 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 | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 25 | 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 | UJ 6 | J |
| 117-84-0 | Di-n-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE N

GWMW10C-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S05704 SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 18057-018

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7472

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: decanted: (Y/N) Date Extracted: 06/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/24/98

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 22

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 5.59 | 12 | J |
| 2. | UNKNOWN | 6.02 | 7 | J |
| 3. | UNKNOWN | 6.96 | 23 | J |
| 4. | UNKNOWN | 7.02 | 22 | J |
| 5. | UNKNOWN | 9.01 | 91 | J |
| 6. | UNKNOWN | 9.13 | 54 | J |
| 7. | UNKNOWN | 9.40 | 5 | J |
| 8. | UNKNOWN | 9.58 | 6 | J |
| 9. | UNKNOWN | 9.84 | 12 | J |
| 10. | UNKNOWN | 10.57 | 13 | J |
| 11. | UNKNOWN | 11.81 | 18 | J |
| 12. | UNKNOWN | 12.12 | 8 | J |
| 13. | UNKNOWN | 12.17 | 5 | J |
| 14. | UNKNOWN | 12.37 | 5 | J |
| 15. | UNKNOWN | 13.08 | 8 | J |
| 16. | UNKNOWN | 14.80 | 5 | J |
| 17. | UNKNOWN | 15.97 | 4 | J |
| 18. | UNKNOWN | 21.47 | 5 | J |
| 19. | UNKNOWN | 22.09 | 25 | J |
| 20. | UNKNOWN | 22.20 | 9 | J |
| 21. | UNKNOWN | 23.39 | 6 | J |
| 22. | UNKNOWN | 23.64 | 5 | J |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW10C-05

Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99736 SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 99736-4

Sample wt/vol: 1060 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/11/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/12/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/24/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | UJ 0.047 | U |
| 319-85-7 | beta-BHC | 0.047 | U |
| 319-86-8 | delta-BHC | 0.047 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.047 | U |
| 76-44-8 | Heptachlor | 0.047 | U |
| 309-00-2 | Aldrin | 0.047 | U |
| 1024-57-3 | Heptachlor epoxide | 0.047 | U |
| 959-98-8 | Endosulfan I | 0.047 | U |
| 60-57-1 | Dieldrin | 0.094 | U |
| 72-55-9 | 4,4'-DDE | 0.094 | U |
| 72-20-8 | Endrin | 0.094 | U |
| 33213-65-9 | Endosulfan II | 0.094 | U |
| 72-54-8 | 4,4'-DDD | 0.094 | U |
| 1031-07-8 | Endosulfan sulfate | 0.094 | U |
| 50-29-3 | 4,4'-DDT | 0.094 | U |
| 72-43-5 | Methoxychlor | 0.47 | U |
| 53494-70-5 | Endrin ketone | 0.094 | U |
| 7421-93-4 | Endrin aldehyde | 0.094 | U |
| 5103-71-9 | alpha-Chlordane | 0.047 | U |
| 5103-74-2 | gamma-Chlordane | 0.047 | U |
| 8001-35-2 | Toxaphene | 4.7 | U |
| 12674-11-2 | Aroclor-1016 | 0.94 | U |
| 11104-28-2 | Aroclor-1221 | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | 0.94 | U |
| 53469-21-9 | Aroclor-1242 | 0.94 | U |
| 12672-29-6 | Aroclor-1248 | 0.94 | U |
| 11097-69-1 | Aroclor-1254 | 0.94 | U |
| 11096-82-5 | Aroclor-1260 | 0.94 | U |

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW10C05

Lab Name: QUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS4

Matrix (soil/water): WATER Lab Sample ID: 18057-018

Level (low/med): LOW Date Received: 06/10/98

% 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 | 287 | | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | 1.9 | U | | P |
| 7440-39-3 | Barium | 293 | | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 98800 | | | P |
| 7440-47-3 | Chromium | 6.9 | B | | P |
| 7440-48-4 | Cobalt | u 4.2 | B | | P |
| 7440-50-8 | Copper | 62.0 | | | P |
| 7439-89-6 | Iron | 7580 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 49600 | | | P |
| 7439-96-5 | Manganese | 54.6 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 2620 | B | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 179000 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | 6.4 | B | | P |
| 7440-66-6 | Zinc | u 39.9 | | | P |
| | Cyanide | u 2.0 | B | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW10CRE

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 18057-018 RE

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP3038

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: not dec. _____ Date Analyzed: 06/23/98

GC Column: RTX-502.2 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 |
|---|---|---|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 160 | |
| 75-09-2 | Methylene Chloride | 4 | JB |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | Trichloroethene | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 1330-20-7 | Xylenes (total) | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW10CRE

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS4

Matrix: (soil/water) WATER Lab Sample ID: 18057-018 RE

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP3038

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: not dec. _____ Date Analyzed: 06/23/98

GC Column: RTX-502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 3

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 2.00 | 5.804 | JB |
| 2. 60-29-7 | ETHER | 2.70 | 364.9 | NJ |
| 3. 123-91-1 | 1,4-DIOXANE | 10.32 | 8.937 | NJ |
| 4. | | | | |
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW22-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-8

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1039

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/08/98

GC Column: DB624 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 |
|---|---|---|---|
| 74-87-3 | Chloromethane (**) | 10 | U |
| 75-01-4 | Vinyl Chloride (*) | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene(*) | 10 | U |
| 67-64-1 | Acetone (xtra) | 10 | U |
| 75-15-0 | Carbon Disulfide (xtra) | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 540-59-0 | 1,2-dichloroethene (total) | 10 | U |
| 75-34-3 | 1,1-Dichloroethane (**) | 10 | U |
| 78-93-3 | 2-Butanone (xtra) | 10 | U |
| 67-66-3 | Chloroform (*) | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 79-01-6 | Trichloroethene | 10 | U |
| 78-87-5 | 1,2-Dichloropropane(*) | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | 10 | U |
| 108-88-3 | Toluene (*) | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene(xt | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone (xtra) | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 108-90-7 | Chlorobenzene (**) | 10 | U |
| 1330-20-7 | Xylenes (total) | 10 | U |
| 100-41-4 | Ethylbenzene (*) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform (**) | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane(** | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW22-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-8

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1039

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/08/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 3

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | 5700 UNKNOWN | 2.39 | 11 | J |
| 2. | UNKNOWN | 4.03 | 6 | J |
| 3. | UNKNOWN | 5.47 | 9 | J |
| 4. | | | | |
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWMW22-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-015

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2312

Level: (low/med) LOW Date Received: 06/03/98

% Moisture: decanted: (Y/N) Date Extracted: 06/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

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 | U |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWMW22-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-015

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2312

Level: (low/med) LOW Date Received: 06/03/98

% Moisture: decanted: (Y/N) Date Extracted: 06/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | 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 | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 25 | 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 | 3 | J |
| 117-84-0 | Di-n-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

GWMW22-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-015

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2312

Level: (low/med) LOW Date Received: 06/03/98

% Moisture: decanted: (Y/N) Date Extracted: 06/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

Injection Volume: 2.0(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 |
|---|---|---|---|---|
| 1. | UNKNOWN | 2.71 | 180 | J |
| 2. | UNKNOWN | 3.46 | 6 | J |
| 3. | UNKNOWN | 8.73 | 11 | J |
| 4. | UNKNOWN | 11.01 | 2 | J |
| 5. | UNKNOWN | 11.42 | 7 | J |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW22-05

ıb Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99599 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-8

Sample wt/vol: 849.0 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/05/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/09/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/16/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | UJ 0.059 | U |
| 319-85-7 | beta-BHC | 0.059 | U |
| 319-86-8 | delta-BHC | 0.059 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.059 | U |
| 76-44-8 | Heptachlor | 0.059 | U |
| 309-00-2 | Aldrin | 0.059 | U |
| 1024-57-3 | Heptachlor epoxide | 0.059 | U |
| 959-98-8 | Endosulfan I | 0.059 | U |
| 60-57-1 | Dieldrin | 0.12 | U |
| 72-55-9 | 4,4'-DDE | 0.12 | U |
| 72-20-8 | Endrin | 0.12 | U |
| 33213-65-9 | Endosulfan II | 0.12 | U |
| 72-54-8 | 4,4'-DDD | 0.12 | U |
| 1031-07-8 | Endosulfan sulfate | 0.12 | U |
| 50-29-3 | 4,4'-DDT | 0.12 | U |
| 72-43-5 | Methoxychlor | 0.59 | U |
| 53494-70-5 | Endrin ketone | 0.12 | U |
| 7421-93-4 | Endrin aldehyde | 0.12 | U |
| 5103-71-9 | alpha-Chlordane | 0.059 | U |
| 5103-74-2 | gamma-Chlordane | 0.059 | U |
| 8001-35-2 | Toxaphene | 5.9 | U |
| 12674-11-2 | Aroclor-1016 | 1.2 | U |
| 11104-28-2 | Aroclor-1221 | 2.4 | U |
| 11141-16-5 | Aroclor-1232 | 1.2 | U |
| 53469-21-9 | Aroclor-1242 | 1.2 | U |
| 12672-29-6 | Aroclor-1248 | 1.2 | U |
| 11097-69-1 | Aroclor-1254 | 1.2 | U |
| 11096-82-5 | Aroclor-1260 | 1.2 | U |

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW2205

Lab Name: QUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS1

Matrix (soil/water): WATER Lab Sample ID: 18016-015

Level (low/med): LOW Date Received: 06/03/98

% 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 | 647 | | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | u 4.0 | B | | P |
| 7440-39-3 | Barium | 291 | | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 174000 | | | P |
| 7440-47-3 | Chromium | 72.8 | | | P |
| 7440-48-4 | Cobalt | 24.9 | B | | P |
| 7440-50-8 | Copper | u 17.7 | B | | P |
| 7439-89-6 | Iron | 4170 | | | P |
| 7439-92-1 | Lead | 16.9 | | | P |
| 7439-95-4 | Magnesium | 52400 | | | P |
| 7439-96-5 | Manganese | 118 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 93.0 | | | P |
| 7440-09-7 | Potassium | 7680 | | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 128000 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | 8.9 | B | | P |
| 7440-66-6 | Zinc | 61.8 | | | P |
| | Cyanide | 0.87 | U | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW23-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99600 SAS No.: NA SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-16

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1088

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/10/98

GC Column: DB624 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 |
|---|---|---|---|
| 74-87-3 | Chloromethane (**) | 10 | U |
| 75-01-4 | Vinyl Chloride (*) | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene(*) | 1 | JB |
| 67-64-1 | Acetone (xtra) | 10 | U |
| 75-15-0 | Carbon Disulfide (xtra) | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 540-59-0 | 1,2-dichloroethene (total) | 10 | U |
| 75-34-3 | 1,1-Dichloroethane (**) | 10 | U |
| 78-93-3 | 2-Butanone (xtra) | 10 | U |
| 67-66-3 | Chloroform (*) | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 6 | J |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 79-01-6 | Trichloroethene | 10 | U |
| 78-87-5 | 1,2-Dichloropropane(*) | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | 10 | U |
| 108-88-3 | Toluene (*) | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene(xt | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone (xtra) | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 108-90-7 | Chlorobenzene (**) | 10 | U |
| 1330-20-7 | Xylenes (total) | 10 | U |
| 100-41-4 | Ethylbenzene (*) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform (**) | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane(** | 10 | U |

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1E

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW23-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99600 SAS No.: NA SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-16

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1088

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/10/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 2

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | 5700 UNKNOWN | 2.35 | 7 | J |
| 2. 60-29-7 | ETHER | 2.98 | 20 | NJ |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
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| 12. | | | | |
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| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW23-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18031-003

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7446

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: decanted: (Y/N) Date Extracted: 06/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/19/98

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 | U |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW23-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18031-003

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7446

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: decanted: (Y/N) Date Extracted: 06/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/19/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | 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 | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 25 | 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-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW23-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18031-003

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7446

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: decanted: (Y/N) Date Extracted: 06/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/19/98

Injection Volume: 2.0(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 |
|---|---|---|---|---|
| 1. | UNKNOWN | 4.24 | 3 | J |
| 2. | UNKNOWN | 5.95 | 2 | J |
| 3. | UNKNOWN | 6.08 | 4 | J |
| 4. | UNKNOWN | 8.84 | 23 | J |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW23-05

Lab Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99600 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-16

Sample wt/vol: 1060 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/06/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/09/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/23/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | UJ 0.047 | U |
| 319-85-7 | beta-BHC | 0.047 | U |
| 319-86-8 | delta-BHC | 0.047 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.047 | U |
| 76-44-8 | Heptachlor | 0.047 | U |
| 309-00-2 | Aldrin | 0.047 | U |
| 1024-57-3 | Heptachlor epoxide | 0.047 | U |
| 959-98-8 | Endosulfan I | 0.047 | U |
| 60-57-1 | Dieldrin | 0.094 | U |
| 72-55-9 | 4,4'-DDE | 0.094 | U |
| 72-20-8 | Endrin | 0.094 | U |
| 33213-65-9 | Endosulfan II | 0.094 | U |
| 72-54-8 | 4,4'-DDD | 0.094 | U |
| 1031-07-8 | Endosulfan sulfate | 0.094 | U |
| 50-29-3 | 4,4'-DDT | 0.094 | U |
| 72-43-5 | Methoxychlor | 0.47 | U |
| 53494-70-5 | Endrin ketone | 0.094 | U |
| 7421-93-4 | Endrin aldehyde | 0.094 | U |
| 5103-71-9 | alpha-Chlordane | 0.047 | U |
| 5103-74-2 | gamma-Chlordane | 0.047 | U |
| 8001-35-2 | Toxaphene | 4.7 | U |
| 12674-11-2 | Aroclor-1016 | 0.94 | U |
| 11104-28-2 | Aroclor-1221 | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | 0.94 | U |
| 53469-21-9 | Aroclor-1242 | 0.94 | U |
| 12672-29-6 | Aroclor-1248 | 0.94 | U |
| 11097-69-1 | Aroclor-1254 | 0.94 | U |
| 11096-82-5 | Aroclor-1260 | 0.94 | U |

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW2305

Lab Name: QUANTERRA_MO Contract: 707.03
Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS2
Matrix (soil/water): WATER Lab Sample ID: 18031-003
Level (low/med): LOW Date Received: 06/06/98
% 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 70.6 | B | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | 1.9 | U | | P |
| 7440-39-3 | Barium | 109 | B | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 67100 | | | P |
| 7440-47-3 | Chromium | u 4.6 | B | | P |
| 7440-48-4 | Cobalt | 3.8 | U | | P |
| 7440-50-8 | Copper | u 5.1 | B | | P |
| 7439-89-6 | Iron | 7570 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 19300 | | | P |
| 7439-96-5 | Manganese | J 228 | | E | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 2150 | " | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 65500 | | | P |
| 7440-28-0 | Thallium | u 3.4 | B | | P |
| 7440-62-2 | Vanadium | u 11.4 | B | | P |
| 7440-66-6 | Zinc | u 15.3 | B | | P |
| | Cyanide | 0.85 | U | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:
Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW23-95

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99600 SAS No.: NA SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-17

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1089

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/10/98

GC Column: DB624 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 |
|---|---|---|---|
| 74-87-3 | Chloromethane (**) | 10 | U |
| 75-01-4 | Vinyl Chloride (*) | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene(*) | 1 | JB |
| 67-64-1 | Acetone (xtra) | 10 | U |
| 75-15-0 | Carbon Disulfide (xtra) | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 540-59-0 | 1,2-dichloroethene (total) | 10 | U |
| 75-34-3 | 1,1-Dichloroethane (**) | 10 | U |
| 78-93-3 | 2-Butanone (xtra) | 10 | U |
| 67-66-3 | Chloroform (*) | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 79-01-6 | Trichloroethene | 10 | U |
| 78-87-5 | 1,2-Dichloropropane(*) | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | 10 | U |
| 108-88-3 | Toluene (*) | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene(xt | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone (xtra) | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 108-90-7 | Chlorobenzene (**) | 10 | U |
| 1330-20-7 | Xylenes (total) | 10 | U |
| 100-41-4 | Ethylbenzene (*) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform (**) | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane(** | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW23-95

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99600 SAS No.: NA SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-17

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1089

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/10/98

GC Column: DB624 ID: 0.53 (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 |
|---|---|---|---|---|
| 1. 60-29-7 | ETHER | 2.99 | 8 | NJ |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW23-95

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18031-004

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7447

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: decanted: (Y/N) Date Extracted: 06/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/19/98

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 | U |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW23-95

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18031-004

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7447

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: decanted: (Y/N) Date Extracted: 06/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/19/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | 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 | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 25 | 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-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW23-95

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18031-004

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7447

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: decanted: (Y/N) Date Extracted: 06/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/19/98

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 8

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 4.24 | 2 | J |
| 2. | UNKNOWN | 6.09 | 3 | J |
| 3. | UNKNOWN | 6.12 | 3 | J |
| 4. | UNKNOWN | 6.99 | 2 | J |
| 5. | UNKNOWN | 14.30 | 7 | J |
| 6. | UNKNOWN | 14.61 | 3 | J |
| 7. | UNKNOWN | 14.87 | 4 | J |
| 8. | UNKNOWN | 20.06 | 4 | J |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW23-95

Lab Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99600 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-17

Sample wt/vol: 1060 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/06/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/09/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/23/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.047 | U |
| 319-85-7 | beta-BHC | 0.047 | U |
| 319-86-8 | delta-BHC | 0.047 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.047 | U |
| 76-44-8 | Heptachlor | 0.047 | U |
| 309-00-2 | Aldrin | 0.047 | U |
| 1024-57-3 | Heptachlor epoxide | 0.047 | U |
| 959-98-8 | Endosulfan I | 0.047 | U |
| 60-57-1 | Dieldrin | 0.094 | U |
| 72-55-9 | 4,4'-DDE | 0.094 | U |
| 72-20-8 | Endrin | 0.094 | U |
| 33213-65-9 | Endosulfan II | 0.094 | U |
| 72-54-8 | 4,4'-DDD | 0.094 | U |
| 1031-07-8 | Endosulfan sulfate | 0.094 | U |
| 50-29-3 | 4,4'-DDT | 0.094 | U |
| 72-43-5 | Methoxychlor | 0.47 | U |
| 53494-70-5 | Endrin ketone | 0.094 | U |
| 7421-93-4 | Endrin aldehyde | 0.094 | U |
| 5103-71-9 | alpha-Chlordane | 0.047 | U |
| 5103-74-2 | gamma-Chlordane | 0.047 | U |
| 8001-35-2 | Toxaphene | 4.7 | U |
| 12674-11-2 | Aroclor-1016 | 0.94 | U |
| 11104-28-2 | Aroclor-1221 | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | 0.94 | U |
| 53469-21-9 | Aroclor-1242 | 0.94 | U |
| 12672-29-6 | Aroclor-1248 | 0.94 | U |
| 11097-69-1 | Aroclor-1254 | 0.94 | U |
| 11096-82-5 | Aroclor-1260 | 0.94 | U |

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW2395

Lab Name: QUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS2

Matrix (soil/water): WATER Lab Sample ID: 18031-004

Level (low/med): LOW Date Received: 06/06/98

% 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 | 69.6 | B | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | 1.9 | U | | P |
| 7440-39-3 | Barium | 114 | B | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 70600 | | | P |
| 7440-47-3 | Chromium | 5.0 | B | | P |
| 7440-48-4 | Cobalt | 3.8 | U | | P |
| 7440-50-8 | Copper | 4.7 | B | | P |
| 7439-89-6 | Iron | 8160 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 20300 | | | P |
| 7439-96-5 | Manganese | 239 | | E | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 2150 | U | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 68700 | | | P |
| 7440-28-0 | Thallium | 3.8 | B | | P |
| 7440-62-2 | Vanadium | 12.3 | B | | P |
| 7440-66-6 | Zinc | 14.4 | B | | P |
| | Cyanide | 0.85 | U | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILM03.0

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW24-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18023-004

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2287

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: decanted: (Y/N) Date Extracted: 06/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/17/98

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 | U |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWMW24-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18023-004

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2287

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: decanted: (Y/N) Date Extracted: 06/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/17/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | 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 | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 25 | 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-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW24-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18023-004

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2287

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: decanted: (Y/N) Date Extracted: 06/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/17/98

Injection Volume: 2.0(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 |
|---|---|---|---|---|
| 1. | SOLVENT | 2.71 | 160 | J |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW24-05

Lab Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99600 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-8

Sample wt/vol: 1050 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/06/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/09/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/23/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.048 | U |
| 319-85-7 | beta-BHC | 0.048 | U |
| 319-86-8 | delta-BHC | 0.048 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.048 | U |
| 76-44-8 | Heptachlor | 0.048 | U |
| 309-00-2 | Aldrin | 0.048 | U |
| 1024-57-3 | Heptachlor epoxide | 0.048 | U |
| 959-98-8 | Endosulfan I | 0.048 | U |
| 60-57-1 | Dieldrin | 0.095 | U |
| 72-55-9 | 4,4'-DDE | 0.095 | U |
| 72-20-8 | Endrin | 0.095 | U |
| 33213-65-9 | Endosulfan II | 0.095 | U |
| 72-54-8 | 4,4'-DDD | 0.095 | U |
| 1031-07-8 | Endosulfan sulfate | 0.095 | U |
| 50-29-3 | 4,4'-DDT | 0.095 | U |
| 72-43-5 | Methoxychlor | 0.48 | U |
| 53494-70-5 | Endrin ketone | 0.095 | U |
| 7421-93-4 | Endrin aldehyde | 0.095 | U |
| 5103-71-9 | alpha-Chlordane | 0.048 | U |
| 5103-74-2 | gamma-Chlordane | 0.048 | U |
| 8001-35-2 | Toxaphene | 4.8 | U |
| 12674-11-2 | Aroclor-1016 | 0.95 | U |
| 11104-28-2 | Aroclor-1221 | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | 0.95 | U |
| 53469-21-9 | Aroclor-1242 | 0.95 | U |
| 12672-29-6 | Aroclor-1248 | 0.95 | U |
| 11097-69-1 | Aroclor-1254 | 0.95 | U |
| 11096-82-5 | Aroclor-1260 | 0.95 | U |

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW2405

Lab Name: QUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS2

Matrix (soil/water): WATER Lab Sample ID: 18023-004

Level (low/med): LOW Date Received: 06/05/98

% 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 | 1490 | | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | 1.9 | U | | P |
| 7440-39-3 | Barium | 208 | | | P |
| 7440-41-7 | Beryllium | U 0.72 | B | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 131000 | | | P |
| 7440-47-3 | Chromium | 19.8 | | | P |
| 7440-48-4 | Cobalt | 3.8 | U | | P |
| 7440-50-8 | Copper | U 15.4 | B | | P |
| 7439-89-6 | Iron | 11200 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 34100 | | | P |
| 7439-96-5 | Manganese | J 294 | | E | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 2150 | U | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 88200 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | U 16.5 | B | | P |
| 7440-66-6 | Zinc | U 24.2 | | | P |
| | Cyanide | 0.85 | U | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW24-95

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99600 SAS No.: NA SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-9

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1081

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/10/98

GC Column: DB624 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 |
|---|---|---|---|
| 74-87-3 | Chloromethane (**) | 10 | U |
| 75-01-4 | Vinyl Chloride (*) | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene (*) | 1 | JB |
| 67-64-1 | Acetone (xtra) | 10 | U |
| 75-15-0 | Carbon Disulfide (xtra) | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 540-59-0 | 1,2-dichloroethene (total) | 10 | U |
| 75-34-3 | 1,1-Dichloroethane (**) | 10 | U |
| 78-93-3 | 2-Butanone (xtra) | 10 | U |
| 67-66-3 | Chloroform (*) | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 79-01-6 | Trichloroethene | 10 | U |
| 78-87-5 | 1,2-Dichloropropane (*) | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | 10 | U |
| 108-88-3 | Toluene (*) | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene (xt | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone (xtra) | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 108-90-7 | Chlorobenzene (**) | 10 | U |
| 1330-20-7 | Xylenes (total) | 10 | U |
| 100-41-4 | Ethylbenzene (*) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform (**) | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane (** | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW24-95

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99600 SAS No.: NA SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-9

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1081

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/10/98

GC Column: DB624 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 |
|---|---|---|---|---|
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW24-95

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18023-005

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2288

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: decanted: (Y/N) Date Extracted: 06/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/17/98

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 | U |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWMW24-95

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18023-005

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2288

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: decanted: (Y/N) Date Extracted: 06/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/17/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | 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 | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 25 | 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-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW24-95

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18023-005

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2288

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: decanted: (Y/N) Date Extracted: 06/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/17/98

Injection Volume: 2.0(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 |
|---|---|---|---|---|
| 1. | SOLVENT | 2.70 | 150 | J |
| 2. | UNKNOWN | 5.97 | 2 | J |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW24-95

Lab Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99600 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-9

Sample wt/vol: 1050 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/06/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/09/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/23/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.048 | U |
| 319-85-7 | beta-BHC | 0.048 | U |
| 319-86-8 | delta-BHC | 0.048 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.048 | U |
| 76-44-8 | Heptachlor | 0.048 | U |
| 309-00-2 | Aldrin | 0.048 | U |
| 1024-57-3 | Heptachlor epoxide | 0.048 | U |
| 959-98-8 | Endosulfan I | 0.048 | U |
| 60-57-1 | Dieldrin | 0.095 | U |
| 72-55-9 | 4,4'-DDE | 0.095 | U |
| 72-20-8 | Endrin | 0.095 | U |
| 33213-65-9 | Endosulfan II | 0.095 | U |
| 72-54-8 | 4,4'-DDD | 0.095 | U |
| 1031-07-8 | Endosulfan sulfate | 0.095 | U |
| 50-29-3 | 4,4'-DDT | 0.095 | U |
| 72-43-5 | Methoxychlor | 0.48 | U |
| 53494-70-5 | Endrin ketone | 0.095 | U |
| 7421-93-4 | Endrin aldehyde | 0.095 | U |
| 5103-71-9 | alpha-Chlordane | 0.048 | U |
| 5103-74-2 | gamma-Chlordane | 0.048 | U |
| 8001-35-2 | Toxaphene | 4.8 | U |
| 12674-11-2 | Aroclor-1016 | 0.95 | U |
| 11104-28-2 | Aroclor-1221 | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | 0.95 | U |
| 53469-21-9 | Aroclor-1242 | 0.95 | U |
| 12672-29-6 | Aroclor-1248 | 0.95 | U |
| 11097-69-1 | Aroclor-1254 | 0.95 | U |
| 11096-82-5 | Aroclor-1260 | 0.95 | U |

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW2495

Lab Name: QUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS2

Matrix (soil/water): WATER Lab Sample ID: 18023-005

Level (low/med): LOW Date Received: 06/05/98

% 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 | 418 | | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | 1.9 | U | | P |
| 7440-39-3 | Barium | 187 | B | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 122000 | | | P |
| 7440-47-3 | Chromium | 7.4 | B | | P |
| 7440-48-4 | Cobalt | 3.8 | U | | P |
| 7440-50-8 | Copper | 5.5 | B | | P |
| 7439-89-6 | Iron | 6720 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 30900 | | | P |
| 7439-96-5 | Manganese | 239 | | E | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 2150 | U | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 86300 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | 14.0 | B | | P |
| 7440-66-6 | Zinc | 20.3 | | | P |
| | Cyanide | 0.85 | U | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW28-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-10

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1041

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/08/98

GC Column: DB624 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 |
|---|---|---|---|
| 74-87-3 | Chloromethane (**) | 10 | U |
| 75-01-4 | Vinyl Chloride (*) | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene(*) | 10 | U |
| 67-64-1 | Acetone (xtra) | 10 | U |
| 75-15-0 | Carbon Disulfide (xtra) | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 540-59-0 | 1,2-dichloroethene (total) | 10 | U |
| 75-34-3 | 1,1-Dichloroethane (**) | 10 | U |
| 78-93-3 | 2-Butanone (xtra) | 10 | U |
| 67-66-3 | Chloroform (*) | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 79-01-6 | Trichloroethene | 10 | U |
| 78-87-5 | 1,2-Dichloropropane(*) | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | 10 | U |
| 108-88-3 | Toluene (*) | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene(xt | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone (xtra) | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 108-90-7 | Chlorobenzene (**) | 10 | U |
| 1330-20-7 | Xylenes (total) | 10 | U |
| 100-41-4 | Ethylbenzene (*) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform (**) | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane(** | 10 | U |

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW28-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-10

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1041

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/08/98

GC Column: DB624 ID: 0.53 (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 |
|---|---|---|---|---|
| 1. | 5700 UNKNOWN | 2.36 | 11 | J |
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWMW28-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-016

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2313

Level: (low/med) LOW Date Received: 06/03/98

% Moisture: decanted: (Y/N) Date Extracted: 06/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

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 | U |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWMW28-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-016

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2313

Level: (low/med) LOW Date Received: 06/03/98

% Moisture: decanted: (Y/N) Date Extracted: 06/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | 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 | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 25 | 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-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

GWMW28-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-016

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2313

Level: (low/med) LOW Date Received: 06/03/98

% Moisture: decanted: (Y/N) Date Extracted: 06/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/18/98

Injection Volume: 2.0(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 |
|---|---|---|---|---|
| 1. | UNKNOWN | 2.71 | 190 | J |
| 2. | UNKNOWN | 3.47 | 7 | J |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW28-05

b Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99599 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-10

Sample wt/vol: 1050 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/05/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/09/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/16/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | UJ 0.047 | U |
| 319-85-7 | beta-BHC | 0.047 | U |
| 319-86-8 | delta-BHC | 0.047 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.047 | U |
| 76-44-8 | Heptachlor | 0.047 | U |
| 309-00-2 | Aldrin | 0.047 | U |
| 1024-57-3 | Heptachlor epoxide | 0.047 | U |
| 959-98-8 | Endosulfan I | 0.047 | U |
| 60-57-1 | Dieldrin | 0.095 | U |
| 72-55-9 | 4,4'-DDE | 0.095 | U |
| 72-20-8 | Endrin | 0.095 | U |
| 33213-65-9 | Endosulfan II | 0.095 | U |
| 72-54-8 | 4,4'-DDD | 0.095 | U |
| 1031-07-8 | Endosulfan sulfate | 0.095 | U |
| 50-29-3 | 4,4'-DDT | 0.095 | U |
| 72-43-5 | Methoxychlor | 0.47 | U |
| 53494-70-5 | Endrin ketone | 0.095 | U |
| 7421-93-4 | Endrin aldehyde | 0.095 | U |
| 5103-71-9 | alpha-Chlordane | 0.047 | U |
| 5103-74-2 | gamma-Chlordane | 0.047 | U |
| 8001-35-2 | Toxaphene | 4.7 | U |
| 12674-11-2 | Aroclor-1016 | 0.95 | U |
| 11104-28-2 | Aroclor-1221 | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | 0.95 | U |
| 53469-21-9 | Aroclor-1242 | 0.95 | U |
| 12672-29-6 | Aroclor-1248 | 0.95 | U |
| 11097-69-1 | Aroclor-1254 | 0.95 | U |
| 11096-82-5 | Aroclor-1260 | 0.95 | U |

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW3305

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS2

Matrix (soil/water): WATER Lab Sample ID: 18023-001

Level (low/med): LOW Date Received: 06/05/98

% 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 59.6 | B | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | U 17.8 | | | P |
| 7440-39-3 | Barium | 1140 | | | P |
| 7440-41-7 | Beryllium | U 1.2 | B | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 285000 | | | P |
| 7440-47-3 | Chromium | U 2.5 | B | | P |
| 7440-48-4 | Cobalt | 8.8 | B | | P |
| 7440-50-8 | Copper | U 7.2 | B | | P |
| 7439-89-6 | Iron | 26900 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 63200 | | | P |
| 7439-96-5 | Manganese | J 95.2 | | E | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 8720 | | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 175000 | | | P |
| 7440-28-0 | Thallium | U 6.8 | B | | P |
| 7440-62-2 | Vanadium | U 18.8 | B | | P |
| 7440-66-6 | Zinc | U 24.9 | | | P |
| | Cyanide | U 0.96 | B | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW345

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18031-011

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP2977

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/19/98

GC Column: RTX-502.2 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 |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | | 10 | U |
| 74-83-9 | Bromomethane | | 10 | U |
| 75-01-4 | Vinyl Chloride | | 10 | U |
| 75-00-3 | Chloroethane | | 10 | U |
| 75-09-2 | Methylene Chloride | UJ | 2 | JB |
| 67-64-1 | Acetone | UJ | 2 | JB |
| 75-15-0 | Carbon Disulfide | | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | | 10 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | | 10 | U |
| 67-66-3 | Chloroform | | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | | 10 | U |
| 78-93-3 | 2-Butanone | | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 10 | U |
| 56-23-5 | Carbon Tetrachloride | | 10 | U |
| 75-27-4 | Bromodichloromethane | | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | | 10 | U |
| 79-01-6 | Trichloroethene | | 10 | U |
| 124-48-1 | Dibromochloromethane | | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 10 | U |
| 71-43-2 | Benzene | | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | | 10 | U |
| 75-25-2 | Bromoform | | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone | | 10 | U |
| 591-78-6 | 2-Hexanone | | 10 | U |
| 127-18-4 | Tetrachloroethene | | 10 | U |
| 108-88-3 | Toluene | | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 10 | U |
| 108-90-7 | Chlorobenzene | | 10 | U |
| 100-41-4 | Ethylbenzene | | 10 | U |
| 100-42-5 | Styrene | | 10 | U |
| 1330-20-7 | Xylenes (total) | | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW345

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18031-011

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP2977

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/19/98

GC Column: RTX-502.2 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 |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE N

GWMW34-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18031-011

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7456

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: decanted: (Y/N) Date Extracted: 06/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/20/98

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 | U |
| 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) | uJ | 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 | | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | | 10 | U |
| 88-74-4 | 2-Nitroaniline | | 25 | U |
| 131-11-3 | Dimethyl Phthalate | | 10 | U |
| 208-96-8 | Acenaphthylene | | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | | 10 | U |
| 99-09-2 | 3-Nitroaniline | | 25 | U |
| 83-32-9 | Acenaphthene | | 10 | U |

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

GWMW34-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18031-011

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7456

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: decanted: (Y/N) Date Extracted: 06/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/20/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | UJ | 25 | 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 | | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | UJ | 25 | 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 | | 25 | 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 | UJ | 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 | UJ | 10 | U |
| 117-81-7 | bis(2-Ethylhexyl)Phthalate | | 3 | J |
| 117-84-0 | Di-n-Octyl Phthalate | | 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 |

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

GWMW34-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18031-011

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7456

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: decanted: (Y/N) Date Extracted: 06/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/20/98

Injection Volume: 2.0(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 |
|---|---|---|---|---|
| 1. | UNKNOWN | 4.24 | 2 | J |
| 2. | UNKNOWN | 6.08 | 3 | J |
| 3. | UNKNOWN | 11.08 | 6 | J |
| 4. | UNKNOWN | 11.14 | 3 | J |
| 5. | UNKNOWN | 11.20 | 3 | J |
| 6. | UNKNOWN | 11.27 | 9 | J |
| 7. | UNKNOWN | 11.37 | 13 | J |
| 8. | UNKNOWN | 11.51 | 8 | J |
| 9. | UNKNOWN | 11.62 | 22 | J |
| 10. | UNKNOWN | 11.80 | 30 | J |
| 11. | UNKNOWN | 11.88 | 37 | J |
| 12. | UNKNOWN | 11.94 | 12 | J |
| 13. | UNKNOWN | 11.99 | 11 | J |
| 14. | UNKNOWN | 15.17 | 5 | J |
| 15. | UNKNOWN | 20.28 | 7 | J |
| 16. | UNKNOWN | 26.98 | 2 | J |
| 17. | UNKNOWN | 27.60 | 4 | J |
| 18. | UNKNOWN | 27.73 | 3 | J |
| 19. | UNKNOWN | 28.47 | 3 | J |
| 20. | UNKNOWN | 29.19 | 2 | J |
| 21. | UNKNOWN | 29.92 | 2 | J |

ID

PESTICIDE ORGANICS ANALYSIS DATA SHEET

~~EPA SAMPLE NO.~~

GWMW34-05

b Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99665 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 99665-6

Sample wt/vol: 1010 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/09/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/09/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/30/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.050 | U |
| 319-85-7 | beta-BHC | 0.050 | U |
| 319-86-8 | delta-BHC | 0.050 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.050 | U |
| 76-44-8 | Heptachlor | 0.050 | U |
| 309-00-2 | Aldrin | 0.050 | U |
| 1024-57-3 | Heptachlor epoxide | 0.050 | U |
| 959-98-8 | Endosulfan I | 0.050 | U |
| 60-57-1 | Dieldrin | 0.099 | U |
| 72-55-9 | 4,4'-DDE | 0.099 | U |
| 72-20-8 | Endrin | 0.099 | U |
| 33213-65-9 | Endosulfan II | 0.099 | U |
| 72-54-8 | 4,4'-DDD | 0.099 | U |
| 1031-07-8 | Endosulfan sulfate | 0.099 | U |
| 50-29-3 | 4,4'-DDT | 0.099 | U |
| 72-43-5 | Methoxychlor | 0.50 | U |
| 53494-70-5 | Endrin ketone | 0.099 | U |
| 7421-93-4 | Endrin aldehyde | 0.099 | U |
| 5103-71-9 | alpha-Chlordane | 0.050 | U |
| 5103-74-2 | gamma-Chlordane | 0.050 | U |
| 8001-35-2 | Toxaphene | 5.0 | U |
| 12674-11-2 | Aroclor-1016 | 0.99 | U |
| 11104-28-2 | Aroclor-1221 | 2.0 | U |
| 11141-16-5 | Aroclor-1232 | 0.99 | U |
| 53469-21-9 | Aroclor-1242 | 0.99 | U |
| 12672-29-6 | Aroclor-1248 | 0.99 | U |
| 11097-69-1 | Aroclor-1254 | 0.99 | U |
| 11096-82-5 | Aroclor-1260 | 0.99 | U |

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW3405

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix (soil/water): WATER Lab Sample ID: 18031-011

Level (low/med): LOW Date Received: 06/06/98

% 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 41.8 | B | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | 1.9 | U | | P |
| 7440-39-3 | Barium | 113 | B | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 55400 | | | P |
| 7440-47-3 | Chromium | 2.1 | U | | P |
| 7440-48-4 | Cobalt | 3.8 | U | | P |
| 7440-50-8 | Copper | u 10.9 | B | | P |
| 7439-89-6 | Iron | u 95.4 | B | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 25200 | | | P |
| 7439-96-5 | Manganese | 19.2 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 165 | | | P |
| 7440-09-7 | Potassium | 2150 | U | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 19300 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | u 12.6 | B | | P |
| 7440-66-6 | Zinc | 59.7 | | | P |
| | Cyanide | 0.85 | U | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW36-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-13

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1052

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/09/98

GC Column: DB624 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 |
|---|---|---|---|
| 74-87-3 | Chloromethane (**) | 10 | U |
| 75-01-4 | Vinyl Chloride (*) | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene(*) | 10 | U |
| 67-64-1 | Acetone (xtra) | 10 | U |
| 75-15-0 | Carbon Disulfide (xtra) | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 540-59-0 | 1,2-dichloroethene (total) | 10 | U |
| 75-34-3 | 1,1-Dichloroethane (**) | 10 | U |
| 78-93-3 | 2-Butanone (xtra) | 10 | U |
| 67-66-3 | Chloroform (*) | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 79-01-6 | Trichloroethene | 10 | U |
| 78-87-5 | 1,2-Dichloropropane(*) | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | 10 | U |
| 108-88-3 | Toluene (*) | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene(xt | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone (xtra) | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 108-90-7 | Chlorobenzene (**) | 10 | U |
| 1330-20-7 | Xylenes (total) | 10 | U |
| 100-41-4 | Ethylbenzene (*) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform (**) | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane(** | 10 | U |

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1E

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW36-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-13

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1052

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/09/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 2

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | 5700 UNKNOWN | 2.33 | 11 | J |
| 2. | 5700 UNKNOWN | 4.81 | 6 | J |
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW36-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-020

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7347

Level: (low/med) LOW Date Received: 06/04/98

% Moisture: decanted: (Y/N) Date Extracted: 06/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/16/98

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 | U |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWMW36-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-020

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7347

Level: (low/med) LOW Date Received: 06/04/98

% Moisture: decanted: (Y/N) Date Extracted: 06/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/16/98

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 | | 25 | U |
| 100-02-7 | 4-Nitrophenol | | 25 | 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 | | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | | 25 | 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 | | 25 | 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 | u | 1 | J |
| 117-84-0 | Di-n-Octyl Phthalate | | 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 |

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW36-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-020

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7347

Level: (low/med) LOW Date Received: 06/04/98

% Moisture: decanted: (Y/N) Date Extracted: 06/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/16/98

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 11

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | ALDOL CONDENSATION | 4.32 | 2 | J |
| 2. | UNKNOWN | 5.47 | 2 | J |
| 3. | UNKNOWN | 5.52 | 3 | J |
| 4. | UNKNOWN | 5.56 | 8 | J |
| 5. | UNKNOWN | 8.25 | 9 | J |
| 6. | UNKNOWN | 9.14 | 140 | J |
| 7. | UNKNOWN | 10.66 | 2 | J |
| 8. | UNKNOWN | 27.22 | 2 | J |
| 9. | UNKNOWN | 27.94 | 3 | J |
| 10. | UNKNOWN | 28.17 | 2 | J |
| 11. | UNKNOWN | 29.95 | 2 | J |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW36-05

b Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99599 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-13

Sample wt/vol: 1050 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/05/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/09/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/17/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.048 | U |
| 319-85-7 | beta-BHC | 0.048 | U |
| 319-86-8 | delta-BHC | 0.048 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.048 | U |
| 76-44-8 | Heptachlor | 0.048 | U |
| 309-00-2 | Aldrin | 0.048 | U |
| 1024-57-3 | Heptachlor epoxide | 0.048 | U |
| 959-98-8 | Endosulfan I | 0.048 | U |
| 60-57-1 | Dieldrin | 0.095 | U |
| 72-55-9 | 4,4'-DDE | 0.095 | U |
| 72-20-8 | Endrin | 0.095 | U |
| 33213-65-9 | Endosulfan II | 0.095 | U |
| 72-54-8 | 4,4'-DDD | 0.095 | U |
| 1031-07-8 | Endosulfan sulfate | 0.095 | U |
| 50-29-3 | 4,4'-DDT | 0.095 | U |
| 72-43-5 | Methoxychlor | 0.48 | U |
| 53494-70-5 | Endrin ketone | 0.095 | U |
| 7421-93-4 | Endrin aldehyde | 0.095 | U |
| 5103-71-9 | alpha-Chlordane | 0.048 | U |
| 5103-74-2 | gamma-Chlordane | 0.048 | U |
| 8001-35-2 | Toxaphene | 4.8 | U |
| 12674-11-2 | Aroclor-1016 | 0.95 | U |
| 11104-28-2 | Aroclor-1221 | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | 0.95 | U |
| 53469-21-9 | Aroclor-1242 | 0.95 | U |
| 12672-29-6 | Aroclor-1248 | 0.95 | U |
| 11097-69-1 | Aroclor-1254 | 0.95 | U |
| 11096-82-5 | Aroclor-1260 | 0.95 | U |

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW3605

Lab Name: QUANTERRA_MO Contract: 707.03
Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS1
Matrix (soil/water): WATER Lab Sample ID: 18016-020
Level (low/med): LOW Date Received: 06/04/98
% 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 | 20.6 | U | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | 1.9 | U | | P |
| 7440-39-3 | Barium | 187 | B | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 79500 | | | P |
| 7440-47-3 | Chromium | 2.1 | U | | P |
| 7440-48-4 | Cobalt | 3.8 | U | | P |
| 7440-50-8 | Copper | 3.6 | U | | P |
| 7439-89-6 | Iron | 3210 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 51600 | | | P |
| 7439-96-5 | Manganese | 29.6 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 3110 | B | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 31200 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | 4.5 | B | | P |
| 7440-66-6 | Zinc | u 8.6 | B | | P |
| | Cyanide | 0.85 | U | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:
Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW5005

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18057-013

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP2985

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: not dec. _____ Date Analyzed: 06/20/98

GC Column: RTX-502.2 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 |
|---|---|---|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | Trichloroethene | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 1330-20-7 | Xylenes (total) | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW5005

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18057-013

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP2985

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: not dec. _____ Date Analyzed: 06/20/98

GC Column: RTX-502.2 ID: 0.53 (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 |
|---|---|---|---|---|
| 1. 115-10-6 | DIMETHYL ETHER | 1.49 | 10.60 | NJ |
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWMW50-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18057-013

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7466

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: decanted: (Y/N) Date Extracted: 06/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/23/98

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 | U |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE N

GWMW50-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18057-013

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7466

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: decanted: (Y/N) Date Extracted: 06/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/23/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | | 25 | 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 | | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | | 25 | 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 | | 25 | 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 | | 1 | J |
| 117-84-0 | Di-n-Octyl Phthalate | | 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 |

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

GWMW50-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18057-013

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7466

Level: (low/med) LOW Date Received: 06/10/98

% Moisture: decanted: (Y/N) Date Extracted: 06/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/23/98

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 18

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 4.19 | 3 | J |
| 2. | UNKNOWN | 6.01 | 3 | J |
| 3. | UNKNOWN | 11.48 | 5 | J |
| 4. 101100 | Propanoic acid, 2-(3-chlorop | 15.88 | 15 | JN |
| 5. | UNKNOWN | 16.37 | 2 | J |
| 6. | UNKNOWN | 18.17 | 2 | J |
| 7. | UNKNOWN | 19.78 | 2 | J |
| 8. | UNKNOWN | 21.24 | 2 | J |
| 9. | UNKNOWN | 23.80 | 3 | J |
| 10. | UNKNOWN | 24.95 | 4 | J |
| 11. | UNKNOWN | 26.04 | 5 | J |
| 12. | UNKNOWN | 27.06 | 5 | J |
| 13. | UNKNOWN | 27.77 | 6 | J |
| 14. | UNKNOWN | 28.01 | 5 | J |
| 15. | UNKNOWN | 28.90 | 5 | J |
| 16. | UNKNOWN | 29.77 | 4 | J |
| 17. | UNKNOWN | 30.72 | 4 | J |
| 18. | UNKNOWN | 31.78 | 3 | J |

ID

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW50-05

Lab Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99665 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 99665-16

Sample wt/vol: 1060 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/11/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/12/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/01/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.047 | U |
| 319-85-7 | beta-BHC | 0.047 | U |
| 319-86-8 | delta-BHC | 0.047 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.047 | U |
| 76-44-8 | Heptachlor | 0.047 | U |
| 309-00-2 | Aldrin | 0.047 | U |
| 1024-57-3 | Heptachlor epoxide | 0.047 | U |
| 959-98-8 | Endosulfan I | 0.047 | U |
| 60-57-1 | Dieldrin | 0.094 | U |
| 72-55-9 | 4,4'-DDE | 0.094 | U |
| 72-20-8 | Endrin | 0.094 | U |
| 33213-65-9 | Endosulfan II | 0.094 | U |
| 72-54-8 | 4,4'-DDD | 0.094 | U |
| 1031-07-8 | Endosulfan sulfate | 0.094 | U |
| 50-29-3 | 4,4'-DDT | 0.094 | U |
| 72-43-5 | Methoxychlor | 0.47 | U |
| 53494-70-5 | Endrin ketone | 0.094 | U |
| 7421-93-4 | Endrin aldehyde | 0.094 | U |
| 5103-71-9 | alpha-Chlordane | 0.047 | U |
| 5103-74-2 | gamma-Chlordane | 0.047 | U |
| 8001-35-2 | Toxaphene | 4.7 | U |
| 12674-11-2 | Aroclor-1016 | 0.94 | U |
| 11104-28-2 | Aroclor-1221 | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | 0.94 | U |
| 53469-21-9 | Aroclor-1242 | 0.94 | U |
| 12672-29-6 | Aroclor-1248 | 0.94 | U |
| 11097-69-1 | Aroclor-1254 | 0.94 | U |
| 11096-82-5 | Aroclor-1260 | 0.94 | U |

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U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW5005

Lab Name: QUANTERRA_MO Contract: 707.03
Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3
Matrix (soil/water): WATER Lab Sample ID: 18057-013
Level (low/med): LOW Date Received: 06/10/98
% 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 | 5240 | | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | u 3.6 | B | | P |
| 7440-39-3 | Barium | 218 | | | P |
| 7440-41-7 | Beryllium | 0.65 | B | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 140000 | | | P |
| 7440-47-3 | Chromium | 27.0 | | | P |
| 7440-48-4 | Cobalt | u 10.4 | B | | P |
| 7440-50-8 | Copper | u 14.1 | B | | P |
| 7439-89-6 | Iron | 8870 | | | P |
| 7439-92-1 | Lead | u 3.2 | | | P |
| 7439-95-4 | Magnesium | 66600 | | | P |
| 7439-96-5 | Manganese | 163 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 26.6 | B | | P |
| 7440-09-7 | Potassium | 8520 | | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 314000 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | u 17.6 | B | | P |
| 7440-66-6 | Zinc | 82.0 | | | P |
| | Cyanide | u 1.0 | B | * | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW51-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99600 SAS No.: NA SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-5

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1072

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/10/98

GC Column: DB624 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 |
|---|---|---|---|---|
| 74-87-3 | Chloromethane (**) | UJ | 10 | U |
| 75-01-4 | Vinyl Chloride (*) | | 10 | U |
| 74-83-9 | Bromomethane | | 10 | U |
| 75-00-3 | Chloroethane | | 10 | U |
| 75-35-4 | 1,1-Dichloroethene(*) | | 1 | JB |
| 67-64-1 | Acetone (xtra) | | 10 | U |
| 75-15-0 | Carbon Disulfide (xtra) | | 10 | U |
| 75-09-2 | Methylene Chloride | | 10 | U |
| 540-59-0 | 1,2-dichloroethene (total) | | 10 | U |
| 75-34-3 | 1,1-Dichloroethane (**) | | 10 | U |
| 78-93-3 | 2-Butanone (xtra) | | 10 | U |
| 67-66-3 | Chloroform (*) | | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 10 | U |
| 56-23-5 | Carbon Tetrachloride | UJ | 10 | U |
| 71-43-2 | Benzene | J | 2 | J |
| 107-06-2 | 1,2-Dichloroethane | UJ | 10 | U |
| 79-01-6 | Trichloroethene | | 10 | U |
| 78-87-5 | 1,2-Dichloropropane(*) | | 10 | U |
| 75-27-4 | Bromodichloromethane | | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | UJ | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | J | 2 | J |
| 108-88-3 | Toluene (*) | UJ | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene(xt | | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 10 | U |
| 127-18-4 | Tetrachloroethene | | 10 | U |
| 591-78-6 | 2-Hexanone (xtra) | | 10 | U |
| 124-48-1 | Dibromochloromethane | | 10 | U |
| 108-90-7 | Chlorobenzene (**) | | 10 | U |
| 1330-20-7 | Xylenes (total) | | 10 | U |
| 100-41-4 | Ethylbenzene (*) | | 10 | U |
| 100-42-5 | Styrene | | 10 | U |
| 75-25-2 | Bromoform (**) | | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane(** | | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW51-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99600 SAS No.: NA SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-5

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1072

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/10/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 2

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 584-02-1 | 3-PENTANOL | 3.96 | 29 | NJ |
| 2. 123-91-1 | 1,4-DIOXANE | 8.40 | 8 | NJ |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW51-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18023-009

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2295

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: decanted: (Y/N) Date Extracted: 06/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/17/98

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 | U |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW51-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18023-009

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2295

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: decanted: (Y/N) Date Extracted: 06/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/17/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | U |
| 132-64-9 | Dibenzofuran | 10 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 10 | U |
| 84-66-2 | Diethylphthalate | 8 | J |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7 | Fluorene | 10 | U |
| 100-01-6 | 4-Nitroaniline | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 25 | 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 | u 1 | J |
| 117-84-0 | Di-n-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW51-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18023-009

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2295

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: decanted: (Y/N) Date Extracted: 06/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/17/98

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 22

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 2.69 | 9 | J |
| 2. | UNKNOWN | 2.84 | 14 | J |
| 3. | SOLVENT | 2.98 | 11 | J |
| 4. | UNKNOWN | 5.73 | 18 | J |
| 5. | UNKNOWN | 6.96 | 12 | J |
| 6. | UNKNOWN | 7.02 | 10 | J |
| 7. | UNKNOWN | 8.93 | 56 | J |
| 8. | UNKNOWN | 9.06 | 51 | J |
| 9. | UNKNOWN | 9.62 | 18 | J |
| 10. | UNKNOWN | 11.12 | 6 | J |
| 11. | UNKNOWN | 11.27 | 6 | J |
| 12. | UNKNOWN | 11.38 | 19 | J |
| 13. | UNKNOWN | 12.10 | 11 | J |
| 14. | UNKNOWN | 12.30 | 8 | J |
| 15. | UNKNOWN | 12.65 | 6 | J |
| 16. | UNKNOWN | 13.03 | 25 | J |
| 17. | UNKNOWN | 13.69 | 19 | J |
| 18. | UNKNOWN | 15.73 | 5 | J |
| 19. | UNKNOWN | 15.98 | 7 | J |
| 20. | UNKNOWN | 16.23 | 9 | J |
| 21. | UNKNOWN | 19.15 | 14 | J |
| 22. | UNKNOWN | 19.22 | 6 | J |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW51-05

Lab Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99600 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-5

Sample wt/vol: 997.0 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/06/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/09/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/17/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q |
|---|---|---|---|---|
| 319-84-6 | alpha-BHC | UJ | 0.050 | U |
| 319-85-7 | beta-BHC | | 0.050 | U |
| 319-86-8 | delta-BHC | | 0.050 | U |
| 58-89-9 | gamma-BHC (Lindane) | | 0.050 | U |
| 76-44-8 | Heptachlor | | 0.050 | U |
| 309-00-2 | Aldrin | | 0.050 | U |
| 1024-57-3 | Heptachlor epoxide | | 0.050 | U |
| 959-98-8 | Endosulfan I | | 0.050 | U |
| 60-57-1 | Dieldrin | | 0.10 | U |
| 72-55-9 | 4,4'-DDE | | 0.10 | U |
| 72-20-8 | Endrin | | 0.10 | U |
| 33213-65-9 | Endosulfan II | | 0.10 | U |
| 72-54-8 | 4,4'-DDD | | 0.10 | U |
| 1031-07-8 | Endosulfan sulfate | | 0.10 | U |
| 50-29-3 | 4,4'-DDT | | 0.10 | U |
| 72-43-5 | Methoxychlor | | 0.50 | U |
| 53494-70-5 | Endrin ketone | | 0.10 | U |
| 7421-93-4 | Endrin aldehyde | | 0.10 | U |
| 5103-71-9 | alpha-Chlordane | | 0.050 | U |
| 5103-74-2 | gamma-Chlordane | | 0.050 | U |
| 8001-35-2 | Toxaphene | | 5.0 | U |
| 12674-11-2 | Aroclor-1016 | | 1.0 | U |
| 11104-28-2 | Aroclor-1221 | | 2.0 | U |
| 11141-16-5 | Aroclor-1232 | | 1.0 | U |
| 53469-21-9 | Aroclor-1242 | | 1.0 | U |
| 12672-29-6 | Aroclor-1248 | | 1.0 | U |
| 11097-69-1 | Aroclor-1254 | | 1.0 | U |
| 11096-82-5 | Aroclor-1260 | | 1.0 | U |

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW5105

Lab Name: QUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS2

Matrix (soil/water): WATER Lab Sample ID: 18023-009

Level (low/med): LOW Date Received: 06/05/98

% 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 | 787 | | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | 1.9 | U | | P |
| 7440-39-3 | Barium | 352 | | | P |
| 7440-41 7 | Beryllium | u 0.80 | B | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 132000 | | | P |
| 7440-47-3 | Chromium | u 9.2 | B | | P |
| 7440-48-4 | Cobalt | 3.8 | U | | P |
| 7440-50-8 | Copper | u 4.4 | B | | P |
| 7439-89-6 | Iron | 8430 | | | P |
| 7439-92-1 | Lead | u 1.9 | B | | P |
| 7439-95-4 | Magnesium | 60500 | | | P |
| 7439-96-5 | Manganese | J 111 | | E | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 2150 | U | | P |
| 7782-49-2 | Selenium | u 3.7 | B | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 101000 | | | P |
| 7440-28-0 | Thallium | u 3.3 | B | | P |
| 7440-62-2 | Vanadium | u 12.2 | B | | P |
| 7440-66-6 | Zinc | u 26.8 | | | P |
| | Cyanide | u 1.9 | B | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW51-05MS

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99600 SAS No.: NA SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-5MS

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1073

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/10/98

GC Column: DB624 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 |
|---|---|---|---|
| 74-87-3 | Chloromethane (**) | 10 | U |
| 75-01-4 | Vinyl Chloride (*) | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene(*) | 45 | B |
| 67-64-1 | Acetone (xtra) | 10 | U |
| 75-15-0 | Carbon Disulfide (xtra) | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 540-59-0 | 1,2-dichloroethene (total) | 10 | U |
| 75-34-3 | 1,1-Dichloroethane (**) | 10 | U |
| 78-93-3 | 2-Butanone (xtra) | 10 | U |
| 67-66-3 | Chloroform (*) | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 52 | |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 79-01-6 | Trichloroethene | 51 | |
| 78-87-5 | 1,2-Dichloropropane(*) | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | 10 | U |
| 108-88-3 | Toluene (*) | 50 | |
| 10061-02-6 | trans-1,3-Dichloropropene(xt | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone (xtra) | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 108-90-7 | Chlorobenzene (**) | 50 | |
| 1330-20-7 | Xylenes (total) | 10 | U |
| 100-41-4 | Ethylbenzene (*) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform (**) | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane(** | 10 | U |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW51-05MS

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18023-009MS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2296

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: decanted: (Y/N) Date Extracted: 06/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/17/98

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 | 51 | |
| 111-44-4 | bis(2-Chloroethyl)Ether | 10 | U |
| 95-57-8 | 2-Chlorophenol | 46 | |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 29 | |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 95-48-7 | 2-Methylphenol | 10 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 2 | J |
| 106-44-5 | 4-Methylphenol | 10 | U |
| 621-64-7 | N-Nitroso-Di-n-Propylamine | 35 | |
| 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 | 27 | |
| 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 | 51 | |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 29 | |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW51-05MS

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18023-009MS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2296

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: decanted: (Y/N) Date Extracted: 06/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/17/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 40 | |
| 132-64-9 | Dibenzofuran | 10 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 29 | |
| 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 | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 58 | |
| 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 | 31 | |
| 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-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW51-05MSD

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18023-009MSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2297

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: decanted: (Y/N) Date Extracted: 06/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/17/98

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 | 52 | |
| 111-44-4 | bis(2-Chloroethyl)Ether | 10 | U |
| 95-57-8 | 2-Chlorophenol | 46 | |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 30 | |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 95-48-7 | 2-Methylphenol | 10 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 1 | J |
| 106-44-5 | 4-Methylphenol | 10 | U |
| 621-64-7 | N-Nitroso-Di-n-Propylamine | 36 | |
| 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 | 27 | |
| 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 | 50 | |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 30 | |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW51-05MSD

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18023-009MSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2297

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: decanted: (Y/N) Date Extracted: 06/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/17/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 41 | |
| 132-64-9 | Dibenzofuran | 10 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 28 | |
| 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 | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 56 | |
| 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 | 31 | |
| 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-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW52-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99600 SAS No.: NA SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-6

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1078

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/10/98

GC Column: DB624 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 |
|---|---|---|---|---|
| 74-87-3 | Chloromethane (**) | UJ | 10 | U |
| 75-01-4 | Vinyl Chloride (*) | | 10 | U |
| 74-83-9 | Bromomethane | | 10 | U |
| 75-00-3 | Chloroethane | | 10 | U |
| 75-35-4 | 1,1-Dichloroethene (*) | | 10 | U |
| 67-64-1 | Acetone (xtra) | | 10 | U |
| 75-15-0 | Carbon Disulfide (xtra) | | 10 | U |
| 75-09-2 | Methylene Chloride | | 10 | U |
| 540-59-0 | 1,2-dichloroethene (total) | | 10 | U |
| 75-34-3 | 1,1-Dichloroethane (**) | | 10 | U |
| 78-93-3 | 2-Butanone (xtra) | | 10 | U |
| 67-66-3 | Chloroform (*) | | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 10 | U |
| 56-23-5 | Carbon Tetrachloride | | 10 | U |
| 71-43-2 | Benzene | | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | | 10 | U |
| 79-01-6 | Trichloroethene | | 10 | U |
| 78-87-5 | 1,2-Dichloropropane (*) | | 10 | U |
| 75-27-4 | Bromodichloromethane | | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | | 10 | U |
| 108-88-3 | Toluene (*) | | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene (xt | | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 10 | U |
| 127-18-4 | Tetrachloroethene | | 10 | U |
| 591-78-6 | 2-Hexanone (xtra) | | 10 | U |
| 124-48-1 | Dibromochloromethane | | 10 | U |
| 108-90-7 | Chlorobenzene (**) | | 10 | U |
| 1330-20-7 | Xylenes (total) | | 10 | U |
| 100-41-4 | Ethylbenzene (*) | | 10 | U |
| 100-42-5 | Styrene | | 10 | U |
| 75-25-2 | Bromoform (**) | | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane (** | | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW52-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99600 SAS No.: NA SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-6

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1078

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/10/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 3

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 75-65-0 | 2-PROPANOL, 2-METHYL- | 3.99 | 27 | NJ |
| 2. | 5700 UNKNOWN | 6.83 | 8 | J |
| 3. 123-91-1 | 1,4-DIOXANE | 8.43 | 10 | NJ |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW52-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18023-002

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2285

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: decanted: (Y/N) Date Extracted: 06/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/17/98

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 | U |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW52-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18023-002

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2285

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: decanted: (Y/N) Date Extracted: 06/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/17/98

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 | | 25 | U |
| 100-02-7 | 4-Nitrophenol | | 25 | 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 | | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | | 25 | 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 | | 25 | 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 | U | 1 | J |
| 117-84-0 | Di-n-Octyl Phthalate | | 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 |

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

GWMW52-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18023-002

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2285

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: decanted: (Y/N) Date Extracted: 06/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/17/98

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 22

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | SOLVENT | 2.86 | 40 | J |
| 2. | UNKNOWN | 5.81 | 20 | J |
| 3. | UNKNOWN | 5.98 | 8 | J |
| 4. | UNKNOWN | 6.98 | 17 | J |
| 5. | UNKNOWN | 7.05 | 14 | J |
| 6. | UNKNOWN | 7.22 | 9 | J |
| 7. | UNKNOWN | 9.00 | 86 | J |
| 8. | UNKNOWN | 9.12 | 62 | J |
| 9. | UNKNOWN | 9.72 | 14 | J |
| 10. | UNKNOWN | 11.28 | 8 | J |
| 11. | UNKNOWN | 11.81 | 7 | J |
| 12. | UNKNOWN | 12.06 | 6 | J |
| 13. | UNKNOWN | 12.12 | 6 | J |
| 14. 632462 | Benzoic acid, 2,6-dimethyl- | 12.30 | 4 | JN |
| 15. | UNKNOWN | 13.00 | 13 | J |
| 16. | UNKNOWN | 13.70 | 10 | J |
| 17. | UNKNOWN | 15.93 | 7 | J |
| 18. 1638160 | 2-Propanol, 1,1'-[(1-methyl- | 15.99 | 8 | JN |
| 19. | UNKNOWN | 16.24 | 5 | J |
| 20. | UNKNOWN | 18.02 | 5 | J |
| 21. | UNKNOWN | 19.15 | 4 | J |
| 22. | UNKNOWN | 19.20 | 6 | J |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW52-05

Lab Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99600 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-6

Sample wt/vol: 1050 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/06/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/09/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/17/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | UJ 0.048 | U |
| 319-85-7 | beta-BHC | 0.048 | U |
| 319-86-8 | delta-BHC | 0.048 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.048 | U |
| 76-44-8 | Heptachlor | 0.048 | U |
| 309-00-2 | Aldrin | 0.048 | U |
| 1024-57-3 | Heptachlor epoxide | 0.048 | U |
| 959-98-8 | Endosulfan I | 0.048 | U |
| 60-57-1 | Dieldrin | 0.095 | U |
| 72-55-9 | 4,4'-DDE | 0.095 | U |
| 72-20-8 | Endrin | 0.095 | U |
| 33213-65-9 | Endosulfan II | 0.095 | U |
| 72-54-8 | 4,4'-DDD | 0.095 | U |
| 1031-07-8 | Endosulfan sulfate | 0.095 | U |
| 50-29-3 | 4,4'-DDT | 0.095 | U |
| 72-43-5 | Methoxychlor | 0.48 | U |
| 53494-70-5 | Endrin ketone | 0.095 | U |
| 7421-93-4 | Endrin aldehyde | 0.095 | U |
| 5103-71-9 | alpha-Chlordane | 0.048 | U |
| 5103-74-2 | gamma-Chlordane | 0.048 | U |
| 8001-35-2 | Toxaphene | 4.8 | U |
| 12674-11-2 | Aroclor-1016 | 0.95 | U |
| 11104-28-2 | Aroclor-1221 | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | 0.95 | U |
| 53469-21-9 | Aroclor-1242 | 0.95 | U |
| 12672-29-6 | Aroclor-1248 | 0.95 | U |
| 11097-69-1 | Aroclor-1254 | 0.95 | U |
| 11096-82-5 | Aroclor-1260 | 0.95 | U |

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW5205

Lab Name: QUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS2

Matrix (soil/water): WATER Lab Sample ID: 18023-002

Level (low/med): LOW Date Received: 06/05/98

% 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 130 | B | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | U 9.9 | B | | P |
| 7440-39-3 | Barium | 280 | | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 110000 | | | P |
| 7440-47-3 | Chromium | 2.1 | U | | P |
| 7440-48-4 | Cobalt | 3.8 | U | | P |
| 7440-50-8 | Copper | U 17.9 | B | | P |
| 7439-89-6 | Iron | 4780 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 43900 | | | P |
| 7439-96-5 | Manganese | J 165 | | E | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 2150 | U | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 149000 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | U 11.0 | B | | P |
| 7440-66-6 | Zinc | U 27.9 | | | P |
| | Cyanide | U 1.4 | B | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW53-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99600 SAS No.: NA SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-7

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1079

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/10/98

GC Column: DB624 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 |
|---|---|---|---|---|
| 74-87-3 | Chloromethane (**) | UJ | 10 | U |
| 75-01-4 | Vinyl Chloride (*) | | 10 | U |
| 74-83-9 | Bromomethane | | 10 | U |
| 75-00-3 | Chloroethane | | 10 | U |
| 75-35-4 | 1,1-Dichloroethene (*) | | 10 | U |
| 67-64-1 | Acetone (xtra) | | 10 | U |
| 75-15-0 | Carbon Disulfide (xtra) | | 10 | U |
| 75-09-2 | Methylene Chloride | | 10 | U |
| 540-59-0 | 1,2-dichloroethene (total) | | 10 | U |
| 75-34-3 | 1,1-Dichloroethane (**) | | 10 | U |
| 78-93-3 | 2-Butanone (xtra) | | 10 | U |
| 67-66-3 | Chloroform (*) | | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 10 | U |
| 56-23-5 | Carbon Tetrachloride | UJ | 10 | U |
| 71-43-2 | Benzene | J | 2 | J |
| 107-06-2 | 1,2-Dichloroethane | UJ | 10 | U |
| 79-01-6 | Trichloroethene | | 10 | U |
| 78-87-5 | 1,2-Dichloropropane (*) | | 10 | U |
| 75-27-4 | Bromodichloromethane | | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | | 10 | U |
| 108-88-3 | Toluene (*) | | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene (xt | | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 10 | U |
| 127-18-4 | Tetrachloroethene | | 10 | U |
| 591-78-6 | 2-Hexanone (xtra) | | 10 | U |
| 124-48-1 | Dibromochloromethane | | 10 | U |
| 108-90-7 | Chlorobenzene (**) | | 10 | U |
| 1330-20-7 | Xylenes (total) | | 10 | U |
| 100-41-4 | Ethylbenzene (*) | | 10 | U |
| 100-42-5 | Styrene | | 10 | U |
| 75-25-2 | Bromoform (**) | | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane (** | | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW53-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99600 SAS No.: NA SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-7

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1079

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/10/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 4

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 60-29-7 | ETHER | 3.00 | 14 | NJ |
| 2. 75-65-0 | 2-PROPANOL, 2-METHYL- | 3.99 | 37 | NJ |
| 3. | 5700 UNKNOWN | 6.83 | 10 | J |
| 4. 123-91-1 | 1,4-DIOXANE | 8.45 | 31 | NJ |
| 5. | | | | |
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW53-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18023-003

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2286

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: decanted: (Y/N) Date Extracted: 06/10/93

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/17/98

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 | U |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW53-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18023-003

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2286

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: decanted: (Y/N) Date Extracted: 06/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/17/98

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 | | 25 | U |
| 100-02-7 | 4-Nitrophenol | | 25 | 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 | | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | | 25 | 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 | | 25 | 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 | u | 13 | |
| 117-84-0 | Di-n-Octyl Phthalate | | 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 |

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

GWMW53-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18023-003

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2286

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: decanted: (Y/N) Date Extracted: 06/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/17/98

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 22

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 123911 | 1,4-Dioxane | 2.50 | 29 | JN |
| 2. 123911 | 1,4-Dioxane | 2.58 | 170 | JN |
| 3. | UNKNOWN | 5.78 | 14 | J |
| 4. | UNKNOWN | 5.98 | 34 | J |
| 5. | UNKNOWN | 7.24 | 14 | J |
| 6. | UNKNOWN | 9.37 | 110 | J |
| 7. | UNKNOWN | 9.44 | 110 | J |
| 8. | UNKNOWN | 9.91 | 9 | J |
| 9. | UNKNOWN | 10.64 | 30 | J |
| 10. | UNKNOWN | 11.04 | 8 | J |
| 11. | UNKNOWN | 11.86 | 12 | J |
| 12. | UNKNOWN | 12.09 | 8 | J |
| 13. | UNKNOWN | 12.18 | 13 | J |
| 14. | UNKNOWN | 12.41 | 10 | J |
| 15. | UNKNOWN | 12.64 | 5 | J |
| 16. | UNKNOWN | 12.99 | 9 | J |
| 17. | UNKNOWN | 13.12 | 30 | J |
| 18. | UNKNOWN | 14.60 | 7 | J |
| 19. 98737 | Benzoic acid, 4-(1,1-dimethy | 14.75 | 9 | JN |
| 20. | UNKNOWN | 14.83 | 5 | J |
| 21. | UNKNOWN | 14.93 | 11 | J |
| 22. | UNKNOWN | 16.00 | 31 | J |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW53-05

Lab Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99600 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-7

Sample wt/vol: 1050 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/03/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/09/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/17/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q |
|---|---|---|---|---|
| 319-84-6 | alpha-BHC | UJ | 0.048 | U |
| 319-85-7 | beta-BHC | | 0.048 | U |
| 319-86-8 | delta-BHC | | 0.048 | U |
| 58-89-9 | gamma-BHC (Lindane) | | 0.048 | U |
| 76-44-8 | Heptachlor | | 0.048 | U |
| 309-00-2 | Aldrin | | 0.048 | U |
| 1024-57-3 | Heptachlor epoxide | | 0.048 | U |
| 959-98-8 | Endosulfan I | | 0.048 | U |
| 60-57-1 | Dieldrin | | 0.096 | U |
| 72-55-9 | 4,4'-DDE | | 0.096 | U |
| 72-20-8 | Endrin | | 0.096 | U |
| 33213-65-9 | Endosulfan II | | 0.096 | U |
| 72-54-8 | 4,4'-DDD | | 0.096 | U |
| 1031-07-8 | Endosulfan sulfate | | 0.096 | U |
| 50-29-3 | 4,4'-DDT | | 0.096 | U |
| 72-43-5 | Methoxychlor | | 0.48 | U |
| 53494-70-5 | Endrin ketone | | 0.096 | U |
| 7421-93-4 | Endrin aldehyde | | 0.096 | U |
| 5103-71-9 | alpha-Chlordane | | 0.048 | U |
| 5103-74-2 | gamma-Chlordane | | 0.048 | U |
| 8001-35-2 | Toxaphene | | 4.8 | U |
| 12674-11-2 | Aroclor-1016 | | 0.96 | U |
| 11104-28-2 | Aroclor-1221 | | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | | 0.96 | U |
| 53469-21-9 | Aroclor-1242 | | 0.96 | U |
| 12672-29-6 | Aroclor-1248 | | 0.96 | U |
| 11097-69-1 | Aroclor-1254 | | 0.96 | U |
| 11096-82-5 | Aroclor-1260 | | 0.96 | U |

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW5305

Lab Name: QUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS2

Matrix (soil/water): WATER Lab Sample ID: 18023-003

Level (low/med): LOW Date Received: 06/05/98

% 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 | 2820 | | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | U 4.8 | B | | P |
| 7440-39-3 | Barium | 1450 | | | P |
| 7440-41-7 | Beryllium | U 1.2 | B | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 262000 | | | P |
| 7440-47-3 | Chromium | 21.2 | | | P |
| 7440-48-4 | Cobalt | 8.8 | B | | P |
| 7440-50-8 | Copper | U 19.9 | B | | P |
| 7439-89-6 | Iron | 31000 | | | P |
| 7439-92-1 | Lead | U 8.6 | | | P |
| 7439-95-4 | Magnesium | 105000 | | | P |
| 7439-96-5 | Manganese | J 203 | | E | P |
| 7439-97-6 | Mercury | 0.12 | B | | CV |
| 7440-02-0 | Nickel | 15.9 | B | | P |
| 7440-09-7 | Potassium | 13200 | | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 372000 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | U 18.4 | B | | P |
| 7440-66-6 | Zinc | U 53.7 | | | P |
| | Cyanide | U 2.4 | B | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

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000016

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW54R-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99600 SAS No.: NA SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-13

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1085

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/10/98

GC Column: DB624 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 |
|---|---|---|---|---|
| 74-87-3 | Chloromethane (**) | UJ | 10 | U |
| 75-01-4 | Vinyl Chloride (*) | | 10 | U |
| 74-83-9 | Bromomethane | | 10 | U |
| 75-00-3 | Chloroethane | | 10 | U |
| 75-35-4 | 1,1-Dichloroethene(*) | | 1 | JB |
| 67-64-1 | Acetone (xtra) | | 10 | U |
| 75-15-0 | Carbon Disulfide (xtra) | | 10 | U |
| 75-09-2 | Methylene Chloride | | 10 | U |
| 540-59-0 | 1,2-dichloroethene (total) | | 10 | U |
| 75-34-3 | 1,1-Dichloroethane (**) | | 10 | U |
| 78-93-3 | 2-Butanone (xtra) | | 10 | U |
| 67-66-3 | Chloroform (*) | | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 10 | U |
| 56-23-5 | Carbon Tetrachloride | UJ | 10 | U |
| 71-43-2 | Benzene | J | 5 | J |
| 107-06-2 | 1,2-Dichloroethane | UJ | 10 | U |
| 79-01-6 | Trichloroethene | | 1 | J |
| 78-87-5 | 1,2-Dichloropropane(*) | | 10 | U |
| 75-27-4 | Bromodichloromethane | | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | | 10 | U |
| 108-88-3 | Toluene (*) | | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene(xt | | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 10 | U |
| 127-18-4 | Tetrachloroethene | | 10 | U |
| 591-78-6 | 2-Hexanone (xtra) | | 10 | U |
| 124-48-1 | Dibromochloromethane | | 10 | U |
| 108-90-7 | Chlorobenzene (**) | | 10 | U |
| 1330-20-7 | Xylenes (total) | | 10 | U |
| 100-41-4 | Ethylbenzene (*) | | 10 | U |
| 100-42-5 | Styrene | | 10 | U |
| 75-25-2 | Bromoform (**) | | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane(** | | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW54R-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99600 SAS No.: NA SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-13

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1085

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/10/98

GC Column: DB624 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 |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
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| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWMW54R-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18031-001

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7444

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: decanted: (Y/N) Date Extracted: 06/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/19/98

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 | U |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW54R-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18031-001

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7444

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: decanted: (Y/N) Date Extracted: 06/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/19/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | 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 | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 25 | 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-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW54R-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18031-001

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7444

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: decanted: (Y/N) Date Extracted: 06/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/19/98

Injection Volume: 2.0(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 |
|---|---|---|---|---|
| 1. | UNKNOWN | 5.52 | 4 | J |
| 2. | UNKNOWN | 5.58 | 2 | J |
| 3. | UNKNOWN | 5.68 | 4 | J |
| 4. | UNKNOWN | 5.71 | 2 | J |
| 5. | UNKNOWN | 5.74 | 4 | J |
| 6. | UNKNOWN | 5.93 | 4 | J |
| 7. | UNKNOWN | 5.99 | 3 | J |
| 8. | UNKNOWN | 6.05 | 4 | J |
| 9. | UNKNOWN | 6.09 | 3 | J |
| 10. | UNKNOWN | 7.74 | 6 | J |
| 11. | UNKNOWN | 8.42 | 5 | J |
| 12. | UNKNOWN | 8.74 | 3 | J |
| 13. | UNKNOWN | 8.82 | 6 | J |
| 14. | UNKNOWN | 9.12 | 61 | J |
| 15. | UNKNOWN | 12.26 | 4 | J |
| 16. | UNKNOWN | 12.39 | 3 | J |
| 17. | UNKNOWN | 13.15 | 3 | J |
| 18. | UNKNOWN | 13.81 | 8 | J |
| 19. | UNKNOWN | 15.10 | 13 | J |
| 20. | UNKNOWN | 18.86 | 3 | J |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW54R-05

Lab Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99600 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-13

Sample wt/vol: 1050 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/06/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/10/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/23/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.048 | U |
| 319-85-7 | beta-BHC | 0.048 | U |
| 319-86-8 | delta-BHC | 0.048 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.048 | U |
| 76-44-8 | Heptachlor | 0.048 | U |
| 309-00-2 | Aldrin | 0.048 | U |
| 1024-57-3 | Heptachlor epoxide | 0.048 | U |
| 959-98-8 | Endosulfan I | 0.048 | U |
| 60-57-1 | Dieldrin | 0.095 | U |
| 72-55-9 | 4,4'-DDE | 0.095 | U |
| 72-20-8 | Endrin | 0.095 | U |
| 33213-65-9 | Endosulfan II | 0.095 | U |
| 72-54-8 | 4,4'-DDD | 0.095 | U |
| 1031-07-8 | Endosulfan sulfate | 0.095 | U |
| 50-29-3 | 4,4'-DDT | 0.095 | U |
| 72-43-5 | Methoxychlor | 0.48 | U |
| 53494-70-5 | Endrin ketone | 0.095 | U |
| 7421-93-4 | Endrin aldehyde | 0.095 | U |
| 5103-71-9 | alpha-Chlordane | 0.048 | U |
| 5103-74-2 | gamma-Chlordane | 0.048 | U |
| 8001-35-2 | Toxaphene | 4.8 | U |
| 12674-11-2 | Aroclor-1016 | 0.95 | U |
| 11104-28-2 | Aroclor-1221 | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | 0.95 | U |
| 53469-21-9 | Aroclor-1242 | 0.95 | U |
| 12672-29-6 | Aroclor-1248 | 0.95 | U |
| 11097-69-1 | Aroclor-1254 | 0.95 | U |
| 11096-82-5 | Aroclor-1260 | 0.95 | U |

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW54R05

Lab Name: QUANTERRA_MO Contract: 707.03
Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS2
Matrix (soil/water): WATER Lab Sample ID: 18031-001
Level (low/med): LOW Date Received: 06/06/98
% 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 | 566 | | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | u 3.2 | B | | P |
| 7440-39-3 | Barium | 164 | B | | P |
| 7440-41-7 | Beryllium | u 0.72 | B | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 126000 | | | P |
| 7440-47-3 | Chromium | u 7.0 | B | | P |
| 7440-48-4 | Cobalt | 3.8 | U | | P |
| 7440-50-8 | Copper | 3.6 | U | | P |
| 7439-89-6 | Iron | 2500 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 47200 | | | P |
| 7439-96-5 | Manganese | J 95.2 | | E | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 3080 | B | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 41200 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | u 15.0 | B | | P |
| 7440-66-6 | Zinc | u 18.5 | B | | P |
| | Cyanide | 0.85 | U | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:
Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW55-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99600 SAS No.: NA SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-14

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1086

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/10/98

GC Column: DB624 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 |
|---|---|---|---|
| 74-87-3 | Chloromethane (**) | UJ 10 | U |
| 75-01-4 | Vinyl Chloride (*) | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene (*) | 10 | U |
| 67-64-1 | Acetone (xtra) | 10 | U |
| 75-15-0 | Carbon Disulfide (xtra) | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 540-59-0 | 1,2-dichloroethene (total) | 10 | U |
| 75-34-3 | 1,1-Dichloroethane (**) | 10 | U |
| 78-93-3 | 2-Butanone (xtra) | 10 | U |
| 67-66-3 | Chloroform (*) | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 79-01-6 | Trichloroethene | 10 | U |
| 78-87-5 | 1,2-Dichloropropane (*) | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | 10 | U |
| 108-88-3 | Toluene (*) | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene (xt | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone (xtra) | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 108-90-7 | Chlorobenzene (**) | 10 | U |
| 1330-20-7 | Xylenes (total) | 10 | U |
| 100-41-4 | Ethylbenzene (*) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform (**) | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane (** | 10 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW55-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99600 SAS No.: NA SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-14

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1086

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/10/98

GC Column: DB624 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 |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW55-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18031-002

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7445

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: decanted: (Y/N) Date Extracted: 06/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/19/98

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 | U |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW55-05

ab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18031-002

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7445

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: decanted: (Y/N) Date Extracted: 06/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/19/98

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 | | 25 | U |
| 100-02-7 | 4-Nitrophenol | | 25 | 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 | | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | | 25 | 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 | | 25 | 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 | u | 3 | J |
| 117-84-0 | Di-n-Octyl Phthalate | | 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 |

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW55-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18031-002

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7445

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: decanted: (Y/N) Date Extracted: 06/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/19/98

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 14

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 4.24 | 3 | J |
| 2. | UNKNOWN | 5.31 | 3 | J |
| 3. | UNKNOWN | 8.70 | 2 | J |
| 4. | UNKNOWN | 11.09 | 3 | J |
| 5. | UNKNOWN | 11.23 | 18 | J |
| 6. | UNKNOWN | 11.36 | 12 | J |
| 7. | UNKNOWN | 11.50 | 6 | J |
| 8. | UNKNOWN | 11.54 | 5 | J |
| 9. | UNKNOWN | 11.81 | 42 | J |
| 10. | UNKNOWN | 11.87 | 7 | J |
| 11. | UNKNOWN | 11.92 | 8 | J |
| 12. | UNKNOWN | 13.02 | 14 | J |
| 13. | UNKNOWN | 14.92 | 28 | J |
| 14. | UNKNOWN | 30.40 | 2 | J |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW55-05

Lab Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99600 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-14

Sample wt/vol: 1030 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/06/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/09/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/23/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | UJ 0.049 | U |
| 319-85-7 | beta-BHC | 0.049 | U |
| 319-86-8 | delta-BHC | 0.049 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.049 | U |
| 76-44-8 | Heptachlor | 0.049 | U |
| 309-00-2 | Aldrin | 0.049 | U |
| 1024-57-3 | Heptachlor epoxide | 0.049 | U |
| 959-98-8 | Endosulfan I | 0.049 | U |
| 60-57-1 | Dieldrin | 0.097 | U |
| 72-55-9 | 4,4'-DDE | 0.097 | U |
| 72-20-8 | Endrin | 0.097 | U |
| 33213-65-9 | Endosulfan II | 0.097 | U |
| 72-54-8 | 4,4'-DDD | 0.097 | U |
| 1031-07-8 | Endosulfan sulfate | 0.097 | U |
| 50-29-3 | 4,4'-DDT | 0.097 | U |
| 72-43-5 | Methoxychlor | 0.49 | U |
| 53494-70-5 | Endrin ketone | 0.097 | U |
| 7421-93-4 | Endrin aldehyde | 0.097 | U |
| 5103-71-9 | alpha-Chlordane | 0.049 | U |
| 5103-74-2 | gamma-Chlordane | 0.049 | U |
| 8001-35-2 | Toxaphene | 4.9 | U |
| 12674-11-2 | Aroclor-1016 | 0.97 | U |
| 11104-28-2 | Aroclor-1221 | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | 0.97 | U |
| 53469-21-9 | Aroclor-1242 | 0.97 | U |
| 12672-29-6 | Aroclor-1248 | 0.97 | U |
| 11097-69-1 | Aroclor-1254 | 0.97 | U |
| 11096-82-5 | Aroclor-1260 | 0.97 | U |

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW5505

Lab Name: QUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS2

Matrix (soil/water): WATER Lab Sample ID: 18031-002

Level (low/med): LOW Date Received: 06/06/98

% 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 | 376 | | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | 1.9 | U | | P |
| 7440-39-3 | Barium | 151 | B | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 57600 | | | P |
| 7440-47-3 | Chromium | U 3.9 | B | | P |
| 7440-48-4 | Cobalt | 3.8 | U | | P |
| 7440-50-8 | Copper | U 16.4 | B | | P |
| 7439-89-6 | Iron | 515 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 34400 | | | P |
| 7439-96-5 | Manganese | J 159 | | E | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 17.1 | B | | P |
| 7440-09-7 | Potassium | 4290 | B | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 68000 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | U 10.1 | B | | P |
| 7440-66-6 | Zinc | U 58.5 | | | P |
| | Cyanide | 0.85 | U | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW33-05

Lab Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99600 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-4

Sample wt/vol: 1060 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/06/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/09/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/17/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | UJ 0.047 | U |
| 319-85-7 | beta-BHC | 0.047 | U |
| 319-86-8 | delta-BHC | 0.047 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.047 | U |
| 76-44-8 | Heptachlor | 0.047 | U |
| 309-00-2 | Aldrin | 0.047 | U |
| 1024-57-3 | Heptachlor epoxide | 0.047 | U |
| 959-98-8 | Endosulfan I | 0.047 | U |
| 60-57-1 | Dieldrin | 0.094 | U |
| 72-55-9 | 4,4'-DDE | 0.094 | U |
| 72-20-8 | Endrin | 0.094 | U |
| 33213-65-9 | Endosulfan II | 0.094 | U |
| 72-54-8 | 4,4'-DDD | 0.094 | U |
| 1031-07-8 | Endosulfan sulfate | 0.094 | U |
| 50-29-3 | 4,4'-DDT | 0.094 | U |
| 72-43-5 | Methoxychlor | 0.47 | U |
| 53494-70-5 | Endrin ketone | 0.094 | U |
| 7421-93-4 | Endrin aldehyde | 0.094 | U |
| 5103-71-9 | alpha-Chlordane | 0.047 | U |
| 5103-74-2 | gamma-Chlordane | 0.047 | U |
| 8001-35-2 | Toxaphene | 4.7 | U |
| 12674-11-2 | Aroclor-1016 | 0.94 | U |
| 11104-28-2 | Aroclor-1221 | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | 0.94 | U |
| 53469-21-9 | Aroclor-1242 | 0.94 | U |
| 12672-29-6 | Aroclor-1248 | 0.94 | U |
| 11097-69-1 | Aroclor-1254 | 0.94 | U |
| 11096-82-5 | Aroclor-1260 | 0.94 | U |

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW2805

Lab Name: QUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS1

Matrix (soil/water): WATER Lab Sample ID: 18016-016

Level (low/med): LOW Date Received: 06/03/98

% 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 52.8 | B | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | 1.9 | U | | P |
| 7440-39-3 | Barium | 105 | B | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 78600 | | | P |
| 7440-47-3 | Chromium | U 7.5 | B | | P |
| 7440-48-4 | Cobalt | 3.8 | U | | P |
| 7440-50-8 | Copper | U 4.3 | B | | P |
| 7439-89-6 | Iron | 2040 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 38900 | | | P |
| 7439-96-5 | Manganese | 44.8 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 2150 | U | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 16200 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | 4.4 | U | | P |
| 7440-66-6 | Zinc | 19.3 | B | | P |
| | Cyanide | 0.85 | U | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW295

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18031-010

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP2976

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/19/98

GC Column: RTX-502.2 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 |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | UJ | 10 | U |
| 74-83-9 | Bromomethane | | 10 | U |
| 75-01-4 | Vinyl Chloride | | 10 | U |
| 75-00-3 | Chloroethane | | 10 | U |
| 75-09-2 | Methylene Chloride | | 10 | U |
| 67-64-1 | Acetone | | 10 | U |
| 75-15-0 | Carbon Disulfide | | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | | 10 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | | 10 | U |
| 67-66-3 | Chloroform | | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | | 10 | U |
| 78-93-3 | 2-Butanone | | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 10 | U |
| 56-23-5 | Carbon Tetrachloride | | 10 | U |
| 75-27-4 | Bromodichloromethane | | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | | 10 | U |
| 79-01-6 | Trichloroethene | | 10 | U |
| 124-48-1 | Dibromochloromethane | | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 10 | U |
| 71-43-2 | Benzene | | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | | 10 | U |
| 75-25-2 | Bromoform | | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone | | 10 | U |
| 591-78-6 | 2-Hexanone | | 10 | U |
| 127-18-4 | Tetrachloroethene | | 10 | U |
| 108-88-3 | Toluene | | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 10 | U |
| 108-90-7 | Chlorobenzene | | 10 | U |
| 100-41-4 | Ethylbenzene | | 10 | U |
| 100-42-5 | Styrene | | 10 | U |
| 1330-20-7 | Xylenes (total) | | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW295

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18031-010

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP2976

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/19/98

GC Column: RTX-502.2 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 |
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW295 RE

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18031-010 RE

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP3126

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/26/98

GC Column: RTX-502.2 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 |
|---|---|---|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 1 | JB |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | Trichloroethene | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 1330-20-7 | Xylenes (total) | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW295 RE

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18031-010 RE

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP3126

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/26/98

GC Column: RTX-502.2 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 |
|---|---|---|---|---|
| 1. | | | | |
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE N

GWMW29-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18031-010

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7455

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: decanted: (Y/N) Date Extracted: 06/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/20/98

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 | U |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWMW29-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18031-010

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7455

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: decanted: (Y/N) Date Extracted: 06/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/20/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | UJ | 25 | 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 | | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | UJ | 25 | 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 | | 25 | 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 | UJ | 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 | UJ | 10 | U |
| 117-81-7 | bis(2-Ethylhexyl)Phthalate | | 49 | |
| 117-84-0 | Di-n-Octyl Phthalate | | 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 |

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE I

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

GWMW29-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18031-010

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7455

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: decanted: (Y/N) Date Extracted: 06/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/20/98

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 12

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 4.25 | 3 | J |
| 2. | UNKNOWN | 5.31 | 3 | J |
| 3. | UNKNOWN | 6.09 | 2 | J |
| 4. | UNKNOWN | 8.75 | 4 | J |
| 5. | UNKNOWN | 8.97 | 31 | J |
| 6. | UNKNOWN | 13.61 | 7 | J |
| 7. | UNKNOWN | 29.40 | 3 | J |
| 8. | UNKNOWN | 29.70 | 3 | J |
| 9. | UNKNOWN | 29.76 | 2 | J |
| 10. | UNKNOWN | 29.86 | 3 | J |
| 11. | UNKNOWN | 30.15 | 4 | J |
| 12. | UNKNOWN | 30.95 | 2 | J |

1D

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

~~EPA SAMPLE NO.~~

GWMW29-05

ıb Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99665 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 99665-5

Sample wt/vol: 1000 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/09/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/09/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/30/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.050 | U |
| 319-85-7 | beta-BHC | 0.050 | U |
| 319-86-8 | delta-BHC | 0.050 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.050 | U |
| 76-44-8 | Heptachlor | 0.050 | U |
| 309-00-2 | Aldrin | 0.050 | U |
| 1024-57-3 | Heptachlor epoxide | 0.050 | U |
| 959-98-8 | Endosulfan I | 0.050 | U |
| 60-57-1 | Dieldrin | 0.10 | U |
| 72-55-9 | 4,4'-DDE | 0.10 | U |
| 72-20-8 | Endrin | 0.10 | U |
| 33213-65-9 | Endosulfan II | 0.10 | U |
| 72-54-8 | 4,4'-DDD | 0.10 | U |
| 1031-07-8 | Endosulfan sulfate | 0.10 | U |
| 50-29-3 | 4,4'-DDT | 0.10 | U |
| 72-43-5 | Methoxychlor | 0.50 | U |
| 53494-70-5 | Endrin ketone | 0.10 | U |
| 7421-93-4 | Endrin aldehyde | 0.10 | U |
| 5103-71-9 | alpha-Chlordane | 0.050 | U |
| 5103-74-2 | gamma-Chlordane | 0.050 | U |
| 8001-35-2 | Toxaphene | 5.0 | U |
| 12674-11-2 | Aroclor-1016 | 1.0 | U |
| 11104-28-2 | Aroclor-1221 | 2.0 | U |
| 11141-16-5 | Aroclor-1232 | 1.0 | U |
| 53469-21-9 | Aroclor-1242 | 1.0 | U |
| 12672-29-6 | Aroclor-1248 | 1.0 | U |
| 11097-69-1 | Aroclor-1254 | 1.0 | U |
| 11096-82-5 | Aroclor-1260 | 1.0 | U |

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U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW2905

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix (soil/water): WATER Lab Sample ID: 18031-010

Level (low/med): LOW Date Received: 06/06/98

% 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 67.3 | B | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | 1.9 | U | | P |
| 7440-39-3 | Barium | 108 | B | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 88500 | | | P |
| 7440-47-3 | Chromium | u 3.9 | B | | P |
| 7440-48-4 | Cobalt | 3.8 | U | | P |
| 7440-50-8 | Copper | u 7.0 | B | | P |
| 7439-89-6 | Iron | 3350 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 38300 | | | P |
| 7439-96-5 | Manganese | 55.5 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 2150 | U | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 73900 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | u 13.6 | B | | P |
| 7440-66-6 | Zinc | 48.6 | | | P |
| | Cyanide | 0.85 | U | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW30-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-17

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1057

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/09/98

GC Column: DB624 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 |
|---|---|---|---|
| 74-87-3 | Chloromethane (**) | 10 | U |
| 75-01-4 | Vinyl Chloride (*) | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene(*) | 10 | U |
| 67-64-1 | Acetone (xtra) | 10 | U |
| 75-15-0 | Carbon Disulfide (xtra) | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 540-59-0 | 1,2-dichloroethene (total) | 10 | U |
| 75-34-3 | 1,1-Dichloroethane (**) | 10 | U |
| 78-93-3 | 2-Butanone (xtra) | 10 | U |
| 67-66-3 | Chloroform (*) | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 79-01-6 | Trichloroethene | 10 | U |
| 78-87-5 | 1,2-Dichloropropane(*) | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | 10 | U |
| 108-88-3 | Toluene (*) | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene(xt | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone (xtra) | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 108-90-7 | Chlorobenzene (**) | 10 | U |
| 1330-20-7 | Xylenes (total) | 10 | U |
| 100-41-4 | Ethylbenzene (*) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform (**) | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane(** | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW30-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99599 SAS No.: NA SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-17

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1057

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: not dec. _____ Date Analyzed: 06/09/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 2

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | 5700 UNKNOWN | 2.35 | 10 | J |
| 2. 75-65-0 | 2-PROPANOL, 2-METHYL- | 3.96 | 8 | NJ |
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW30-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-021

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7348

Level: (low/med) LOW Date Received: 06/04/98

% Moisture: decanted: (Y/N) Date Extracted: 06/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/16/98

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 | 4 | BJ |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW30-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-021

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7348

Level: (low/med) LOW Date Received: 06/04/98

% Moisture: decanted: (Y/N) Date Extracted: 06/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/16/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | 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 | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 25 | 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-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

GWMW30-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01601 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 18016-021

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7348

Level: (low/med) LOW Date Received: 06/04/98

% Moisture: decanted: (Y/N) Date Extracted: 06/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/16/98

Injection Volume: 2.0(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 |
|---|---|---|---|---|
| 1. | UNKNOWN | 4.29 | 2 | J |
| 2. | UNKNOWN | 4.75 | 3 | J |
| 3. | UNKNOWN | 5.36 | 5 | J |
| 4. | UNKNOWN | 27.94 | 4 | J |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW30-05

ıb Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99599 SAS No.: SDG No.: ACS1

Matrix: (soil/water) WATER Lab Sample ID: 99599-17

Sample wt/vol: 1020 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/05/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/09/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/17/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.049 | U |
| 319-85-7 | beta-BHC | 0.049 | U |
| 319-86-8 | delta-BHC | 0.049 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.049 | U |
| 76-44-8 | Heptachlor | 0.049 | U |
| 309-00-2 | Aldrin | 0.049 | U |
| 1024-57-3 | Heptachlor epoxide | 0.049 | U |
| 959-98-8 | Endosulfan I | 0.049 | U |
| 60-57-1 | Dieldrin | 0.098 | U |
| 72-55-9 | 4,4'-DDE | 0.098 | U |
| 72-20-8 | Endrin | 0.098 | U |
| 33213-65-9 | Endosulfan II | 0.098 | U |
| 72-54-8 | 4,4'-DDD | 0.098 | U |
| 1031-07-8 | Endosulfan sulfate | 0.098 | U |
| 50-29-3 | 4,4'-DDT | 0.098 | U |
| 72-43-5 | Methoxychlor | 0.49 | U |
| 53494-70-5 | Endrin ketone | 0.098 | U |
| 7421-93-4 | Endrin aldehyde | 0.098 | U |
| 5103-71-9 | alpha-Chlordane | 0.049 | U |
| 5103-74-2 | gamma-Chlordane | 0.049 | U |
| 8001-35-2 | Toxaphene | 4.9 | U |
| 12674-11-2 | Aroclor-1016 | 0.98 | U |
| 11104-28-2 | Aroclor-1221 | 2.0 | U |
| 11141-16-5 | Aroclor-1232 | 0.98 | U |
| 53469-21-9 | Aroclor-1242 | 0.98 | U |
| 12672-29-6 | Aroclor-1248 | 0.98 | U |
| 11097-69-1 | Aroclor-1254 | 0.98 | U |
| 11096-82-5 | Aroclor-1260 | 0.98 | U |

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW3005

Lab Name: QUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS1

Matrix (soil/water): WATER Lab Sample ID: 18016-021

Level (low/med): LOW Date Received: 06/04/98

% 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 | 20.6 | U | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | 1.9 | U | | P |
| 7440-39-3 | Barium | 225 | | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 103000 | | | P |
| 7440-47-3 | Chromium | 2.1 | U | | P |
| 7440-48-4 | Cobalt | 5.5 | B | | P |
| 7440-50-8 | Copper | 3.6 | U | | P |
| 7439-89-6 | Iron | 4440 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 53900 | | | P |
| 7439-96-5 | Manganese | 41.2 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 2150 | U | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 37700 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | 4.4 | U | | P |
| 7440-66-6 | Zinc | 27.4 | | | P |
| | Cyanide | 0.85 | U | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW315

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-007

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP2979

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: not dec. _____ Date Analyzed: 06/20/98

GC Column: RTX-502.2 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 |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | | 10 | U |
| 74-83-9 | Bromomethane | | 10 | U |
| 75-01-4 | Vinyl Chloride | | 10 | U |
| 75-00-3 | Chloroethane | | 10 | U |
| 75-09-2 | Methylene Chloride | UJ | 4 | JB |
| 67-64-1 | Acetone | UJ | 7 | JB |
| 75-15-0 | Carbon Disulfide | | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | | 10 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | | 10 | U |
| 67-66-3 | Chloroform | | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | | 10 | U |
| 78-93-3 | 2-Butanone | | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 10 | U |
| 56-23-5 | Carbon Tetrachloride | | 10 | U |
| 75-27-4 | Bromodichloromethane | | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | | 10 | U |
| 79-01-6 | Trichloroethene | | 10 | U |
| 124-48-1 | Dibromochloromethane | | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 10 | U |
| 71-43-2 | Benzene | | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | | 10 | U |
| 75-25-2 | Bromoform | | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone | | 10 | U |
| 591-78-6 | 2-Hexanone | | 10 | U |
| 127-18-4 | Tetrachloroethene | | 10 | U |
| 108-88-3 | Toluene | | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 10 | U |
| 108-90-7 | Chlorobenzene | | 10 | U |
| 100-41-4 | Ethylbenzene | | 10 | U |
| 100-42-5 | Styrene | | 10 | U |
| 1330-20-7 | Xylenes (total) | | 10 | U |

1E

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW315

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-007

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP2979

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: not dec. _____ Date Analyzed: 06/20/98

GC Column: RTX-502.2 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 |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE I

GWMW31-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-007

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2329

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: decanted: (Y/N) Date Extracted: 06/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/19/98

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 | U |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWMW31-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-007

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2329

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: decanted: (Y/N) Date Extracted: 06/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/19/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | 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 | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 25 | 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 | B |
| 117-84-0 | Di-n-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

1F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE N

GWMW31-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-007

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2329

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: decanted: (Y/N) Date Extracted: 06/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/19/98

Injection Volume: 2.0(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 |
|---|---|---|---|---|
| 1. | UNKNOWN | 3.48 | 2 | J |
| 2. | UNKNOWN | 5.95 | 3 | J |
| 3. | UNKNOWN | 10.22 | 3 | J |
| 4. | UNKNOWN | 10.99 | 12 | J |
| 5. | UNKNOWN | 11.15 | 27 | J |
| 6. | UNKNOWN | 11.27 | 20 | J |
| 7. | UNKNOWN | 11.31 | 4 | J |
| 8. | UNKNOWN | 11.48 | 34 | J |
| 9. | UNKNOWN | 11.76 | 110 | J |
| 10. | UNKNOWN | 11.81 | 15 | J |
| 11. | UNKNOWN | 11.86 | 18 | J |
| 12. | UNKNOWN | 11.91 | 3 | J |
| 13. | UNKNOWN | 14.97 | 5 | J |
| 14. | UNKNOWN | 27.15 | 2 | J |
| 15. | UNKNOWN | 27.51 | 3 | J |

1D

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

~~EPA SAMPLE NO.~~

GWMW31-05

Lab Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99665 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 99665-13

Sample wt/vol: 1050 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/10/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/30/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q |
|---|---|---|---|---|
| 319-84-6 | alpha-BHC | UJ | 0.048 | U |
| 319-85-7 | beta-BHC | | 0.048 | U |
| 319-86-8 | delta-BHC | | 0.048 | U |
| 58-89-9 | gamma-BHC (Lindane) | | 0.048 | U |
| 76-44-8 | Heptachlor | | 0.048 | U |
| 309-00-2 | Aldrin | | 0.048 | U |
| 1024-57-3 | Heptachlor epoxide | | 0.048 | U |
| 959-98-8 | Endosulfan I | | 0.048 | U |
| 60-57-1 | Dieldrin | | 0.095 | U |
| 72-55-9 | 4,4'-DDE | | 0.095 | U |
| 72-20-8 | Endrin | | 0.095 | U |
| 33213-65-9 | Endosulfan II | | 0.095 | U |
| 72-54-8 | 4,4'-DDD | | 0.095 | U |
| 1031-07-8 | Endosulfan sulfate | | 0.095 | U |
| 50-29-3 | 4,4'-DDT | | 0.095 | U |
| 72-43-5 | Methoxychlor | | 0.48 | U |
| 53494-70-5 | Endrin ketone | | 0.095 | U |
| 7421-93-4 | Endrin aldehyde | | 0.095 | U |
| 5103-71-9 | alpha-Chlordane | | 0.048 | U |
| 5103-74-2 | gamma-Chlordane | | 0.048 | U |
| 8001-35-2 | Toxaphene | | 4.8 | U |
| 12674-11-2 | Aroclor-1016 | | 0.95 | U |
| 11104-28-2 | Aroclor-1221 | | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | | 0.95 | U |
| 53469-21-9 | Aroclor-1242 | | 0.95 | U |
| 12672-29-6 | Aroclor-1248 | | 0.95 | U |
| 11097-69-1 | Aroclor-1254 | | 0.95 | U |
| 11096-82-5 | Aroclor-1260 | | 0.95 | U |

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW3105

Lab Name: QUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix (soil/water): WATER Lab Sample ID: 18055-007

Level (low/med): LOW Date Received: 06/09/98

% 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 54.9 | B | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | 1.9 | U | | P |
| 7440-39-3 | Barium | 148 | B | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 55500 | | | P |
| 7440-47-3 | Chromium | 2.1 | U | | P |
| 7440-48-4 | Cobalt | 3.8 | U | | P |
| 7440-50-8 | Copper | u 17.7 | B | | P |
| 7439-89-6 | Iron | u 61.6 | B | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 20700 | | | P |
| 7439-96-5 | Manganese | 55.2 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 20.1 | B | | P |
| 7440-09-7 | Potassium | 2780 | B | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 14500 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | 4.4 | U | | P |
| 7440-66-6 | Zinc | 57.6 | | | P |
| | Cyanide | 0.85 | U | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW3205

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-008

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP2903

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: not dec. _____ Date Analyzed: 06/17/98

GC Column: RTX-502.2 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 |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | | 16 | |
| 74-83-9 | Bromomethane | uJ | 10 | U |
| 75-01-4 | Vinyl Chloride | | 10 | U |
| 75-00-3 | Chloroethane | | 10 | U |
| 75-09-2 | Methylene Chloride | uJ | 4 | JB |
| 67-64-1 | Acetone | uJ | 8 | JB |
| 75-15-0 | Carbon Disulfide | | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | | 10 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | | 10 | U |
| 67-66-3 | Chloroform | uJ | 2 | J |
| 107-06-2 | 1,2-Dichloroethane | | 10 | U |
| 78-93-3 | 2-Butanone | | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 10 | U |
| 56-23-5 | Carbon Tetrachloride | | 10 | U |
| 75-27-4 | Bromodichloromethane | | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | | 10 | U |
| 79-01-6 | Trichloroethene | | 10 | U |
| 124-48-1 | Dibromochloromethane | | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 10 | U |
| 71-43-2 | Benzene | | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | | 10 | U |
| 75-25-2 | Bromoform | | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone | | 10 | U |
| 591-78-6 | 2-Hexanone | | 10 | U |
| 127-18-4 | Tetrachloroethene | | 10 | U |
| 108-88-3 | Toluene | | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 10 | U |
| 108-90-7 | Chlorobenzene | | 10 | U |
| 100-41-4 | Ethylbenzene | | 10 | U |
| 100-42-5 | Styrene | | 10 | U |
| 1330-20-7 | Xylenes (total) | | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW3205

Lab Name: QUANTERRA MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-008

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: ESMP2903

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: not dec. _____ Date Analyzed: 06/17/98

GC Column: RTX-502.2 ID: 0.53 (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 |
|---|---|---|---|---|
| 1. | UNKNOWN | 2.00 | 7.591 | J |
| 2. | | | | |
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWMW32-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-008

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2330

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: decanted: (Y/N) Date Extracted: 06/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/19/98

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 | U |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GWMW32-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-008

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2330

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: decanted: (Y/N) Date Extracted: 06/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/19/98

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 | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | U |
| 132-64-9 | Dibenzofuran | 10 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 10 | U |
| 84-66-2 | Diethylphthalate | 16 | |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7 | Fluorene | 10 | U |
| 100-01-6 | 4-Nitroaniline | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 25 | 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 | 25 | 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-Octyl Phthalate | 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 |

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

GWMW32-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S03106 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 18055-008

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A2330

Level: (low/med) LOW Date Received: 06/09/98

% Moisture: decanted: (Y/N) Date Extracted: 06/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/19/98

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 17

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 3.49 | 3 | J |
| 2. | UNKNOWN | 3.90 | 12 | J |
| 3. | UNKNOWN | 10.26 | 4 | J |
| 4. | UNKNOWN | 10.84 | 3 | J |
| 5. | UNKNOWN | 11.28 | 82 | J |
| 6. | UNKNOWN | 11.37 | 32 | J |
| 7. | UNKNOWN | 11.54 | 57 | J |
| 8. | UNKNOWN | 11.84 | 130 | J |
| 9. | UNKNOWN | 11.90 | 19 | J |
| 10. | UNKNOWN | 11.94 | 24 | J |
| 11. | UNKNOWN | 11.99 | 3 | J |
| 12. | UNKNOWN | 12.34 | 3 | J |
| 13. 87412 | 1(3H)-Isobenzofuranone | 12.61 | 4 | JN |
| 14. | UNKNOWN | 14.75 | 30 | J |
| 15. | UNKNOWN | 15.00 | 3 | J |
| 16. | UNKNOWN | 27.51 | 3 | J |
| 17. | UNKNOWN | 29.98 | 9 | J |

ID

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW32-05

Lab Name: QUANTERRA/W.SACRAMENTO Contract:

Lab Code: ECAL Case No.: 99665 SAS No.: SDG No.: ACS3

Matrix: (soil/water) WATER Lab Sample ID: 99665-14

Sample wt/vol: 1040 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/10/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/30/98

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | UJ 0.048 | U |
| 319-85-7 | beta-BHC | 0.048 | U |
| 319-86-8 | delta-BHC | 0.048 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.048 | U |
| 76-44-8 | Heptachlor | 0.048 | U |
| 309-00-2 | Aldrin | 0.048 | U |
| 1024-57-3 | Heptachlor epoxide | 0.048 | U |
| 959-98-8 | Endosulfan I | 0.048 | U |
| 60-57-1 | Dieldrin | 0.096 | U |
| 72-55-9 | 4,4'-DDE | 0.096 | U |
| 72-20-8 | Endrin | 0.096 | U |
| 33213-65-9 | Endosulfan II | 0.096 | U |
| 72-54-8 | 4,4'-DDD | 0.096 | U |
| 1031-07-8 | Endosulfan sulfate | 0.096 | U |
| 50-29-3 | 4,4'-DDT | 0.096 | U |
| 72-43-5 | Methoxychlor | 0.48 | U |
| 53494-70-5 | Endrin ketone | 0.096 | U |
| 7421-93-4 | Endrin aldehyde | 0.096 | U |
| 5103-71-9 | alpha-Chlordane | 0.048 | U |
| 5103-74-2 | gamma-Chlordane | 0.048 | U |
| 8001-35-2 | Toxaphene | 4.8 | U |
| 12674-11-2 | Aroclor-1016 | 0.96 | U |
| 11104-28-2 | Aroclor-1221 | 1.9 | U |
| 11141-16-5 | Aroclor-1232 | 0.96 | U |
| 53469-21-9 | Aroclor-1242 | 0.96 | U |
| 12672-29-6 | Aroclor-1248 | 0.96 | U |
| 11097-69-1 | Aroclor-1254 | 0.96 | U |
| 11096-82-5 | Aroclor-1260 | 0.96 | U |

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ACSGWMW3205

Lab Name: QUANTERRA_MO Contract: 707.03

Lab Code: ITMO Case No.: SAS No.: SDG No.: ACS3

Matrix (soil/water): WATER Lab Sample ID: 18055-008

Level (low/med): LOW Date Received: 06/09/98

% 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 79.1 | B | | P |
| 7440-36-0 | Antimony | 45.7 | U | | P |
| 7440-38-2 | Arsenic | 1.9 | U | | P |
| 7440-39-3 | Barium | 86.2 | B | | P |
| 7440-41-7 | Beryllium | 0.60 | U | | P |
| 7440-43-9 | Cadmium | 4.6 | U | | P |
| 7440-70-2 | Calcium | 44400 | | | P |
| 7440-47-3 | Chromium | 2.1 | U | | P |
| 7440-48-4 | Cobalt | 3.8 | U | | P |
| 7440-50-8 | Copper | u 5.5 | B | | P |
| 7439-89-6 | Iron | 619 | | | P |
| 7439-92-1 | Lead | u 2.0 | B | | P |
| 7439-95-4 | Magnesium | 20900 | | | P |
| 7439-96-5 | Manganese | 120 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 14.2 | U | | P |
| 7440-09-7 | Potassium | 2150 | U | | P |
| 7782-49-2 | Selenium | 3.1 | U | | P |
| 7440-22-4 | Silver | 5.1 | U | | P |
| 7440-23-5 | Sodium | 38700 | | | P |
| 7440-28-0 | Thallium | 3.1 | U | | P |
| 7440-62-2 | Vanadium | 4.4 | U | | P |
| 7440-66-6 | Zinc | 30.0 | | | P |
| | Cyanide | 0.85 | U | | AS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW33-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99600 SAS No.: NA SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-4

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1064

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/09/98

GC Column: DB624 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 |
|---|---|---|---|---|
| 74-87-3 | Chloromethane (**) | UJ | 10 | U |
| 75-01-4 | Vinyl Chloride (*) | | 10 | U |
| 74-83-9 | Bromomethane | | 10 | U |
| 75-00-3 | Chloroethane | | 10 | U |
| 75-35-4 | 1,1-Dichloroethene(*) | | 10 | U |
| 67-64-1 | Acetone (xtra) | | 10 | U |
| 75-15-0 | Carbon Disulfide (xtra) | | 10 | U |
| 75-09-2 | Methylene Chloride | | 10 | U |
| 540-59-0 | 1,2-dichloroethene (total) | | 10 | U |
| 75-34-3 | 1,1-Dichloroethane (**) | | 10 | U |
| 78-93-3 | 2-Butanone (xtra) | | 10 | U |
| 67-66-3 | Chloroform (*) | | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 10 | U |
| 56-23-5 | Carbon Tetrachloride | UJ | 10 | U |
| 71-43-2 | Benzene | J | 1 | J |
| 107-06-2 | 1,2-Dichloroethane | UJ | 10 | U |
| 79-01-6 | Trichloroethene | | 10 | U |
| 78-87-5 | 1,2-Dichloropropane(*) | | 10 | U |
| 75-27-4 | Bromodichloromethane | | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene (xtr | | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone (xtra) | | 10 | U |
| 108-88-3 | Toluene (*) | | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene(xt | | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 10 | U |
| 127-18-4 | Tetrachloroethene | | 10 | U |
| 591-78-6 | 2-Hexanone (xtra) | | 10 | U |
| 124-48-1 | Dibromochloromethane | | 10 | U |
| 108-90-7 | Chlorobenzene (**) | | 10 | U |
| 1330-20-7 | Xylenes (total) | | 10 | U |
| 100-41-4 | Ethylbenzene (*) | | 10 | U |
| 100-42-5 | Styrene | | 10 | U |
| 75-25-2 | Bromoform (**) | | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane(** | UJ | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW33-05

Lab Name: QUANTERRA ENVIRONMENTAL Contract: NA

Lab Code: NA Case No.: 99600 SAS No.: NA SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 99600-4

Sample wt/vol: 5.000 (g/mls) MLS Lab File ID: S1064

Level: (low/med) LOW Date Received: 06/06/98

% Moisture: not dec. _____ Date Analyzed: 06/09/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 4

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 109-87-5 | METHANE, DIMETHOXY- | 3.31 | 7 | NJ |
| 2. 75-65-0 | 2-PROPANOL, 2-METHYL- | 3.99 | 6 | NJ |
| 3. | 5700 UNKNOWN | 6.83 | 8 | J |
| 4. 123-91-1 | 1,4-DIOXANE | 8.43 | 18 | NJ |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW33-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18023-001

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7349

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: decanted: (Y/N) Date Extracted: 06/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/16/98

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 | U |
| 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 | 25 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl Phthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW33-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18023-001

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7349

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: decanted: (Y/N) Date Extracted: 06/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/16/98

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 | | 25 | U |
| 100-02-7 | 4-Nitrophenol | | 25 | 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 | | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | | 25 | 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 | | 25 | 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 | u | 3 | J |
| 117-84-0 | Di-n-Octyl Phthalate | | 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 |

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW33-05

Lab Name: QUANTERRA MO Contract: 707-03

Lab Code: ITSL Case No.: S01602 SAS No.: SDG No.: ACS2

Matrix: (soil/water) WATER Lab Sample ID: 18023-001

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H7349

Level: (low/med) LOW Date Received: 06/05/98

% Moisture: decanted: (Y/N) Date Extracted: 06/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/16/98

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 22

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 5.56 | 5 | J |
| 2. | UNKNOWN | 5.70 | 6 | J |
| 3. | UNKNOWN | 5.80 | 5 | J |
| 4. | UNKNOWN | 6.16 | 8 | J |
| 5. | UNKNOWN | 7.11 | 17 | J |
| 6. | UNKNOWN | 7.18 | 18 | J |
| 7. | UNKNOWN | 8.50 | 4 | J |
| 8. | UNKNOWN | 9.44 | 420 | J |
| 9. | UNKNOWN | 9.86 | 20 | J |
| 10. | UNKNOWN | 10.78 | 14 | J |
| 11. | UNKNOWN | 11.91 | 9 | J |
| 12. | UNKNOWN | 11.95 | 14 | J |
| 13. | UNKNOWN | 12.03 | 8 | J |
| 14. | UNKNOWN | 12.18 | 7 | J |
| 15. | UNKNOWN | 12.56 | 7 | J |
| 16. | UNKNOWN | 13.28 | 46 | J |
| 17. | UNKNOWN | 14.72 | 24 | J |
| 18. | UNKNOWN | 14.99 | 50 | J |
| 19. | UNKNOWN | 15.65 | 12 | J |
| 20. 101100 | Propanoic acid, 2-(3-chlorop | 16.10 | 43 | JN |
| 21. | UNKNOWN | 23.80 | 7 | J |
| 22. | UNKNOWN | 24.42 | 11 | J |