QUARTERLY GROUNDWATER MONITORING REPORT THIRD QUARTER 2001

Project:
Missouri Electric Works (MEW) Site
824 South Kingshighway
Cape Girardeau, Missouri

Prepared For:
MEW Site Trust Fund Donors
C/O Ameren Services
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Missouri Electric Works
Site ID: MOD980965982
Break: 3.3

2044671

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Komex

Letter Of Transmittal

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DATE: **September 25, 2001**
PROJECT: **MEW**
PROJECT NO.: **093001B**
FROM: **K. Dean Mitchell**

TO: **Pauletta France-Isetts** COMPANY: EPA

ADDRESS: 901 North 5TH Street, Kansas City, Kansas 66101

SUBJECT: Quarterly Groundwater Monitoring Report, MEW Site, Cape Girardeau, Missouri

THE FOLLOWING ITEMS ACCOMPANY THIS LETTER OF TRANSMITTAL

ITEM#	DATED	QUANTITY	DESCRIPTION
1	September 25, 2001	2	Quarterly Groundwater Monitoring Report, Third Quarter 2001, MEW Site, Cape Girardeau, MO

The next quarterly monitoring and sampling event is tentatively scheduled for the week of October 22, 2001.

cc: Warren Mueller, Ameren Services
Chuck Hunnewell, Siemens
Sandra Rudolph, Jacobs Engineering
Don van Dyke, Missouri DNR

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QUARTERLY GROUNDWATER MONITORING REPORT THIRD QUARTER 2001

MISSOURI ELECTRIC WORKS (MEW) SITE CAPE GIRARDEAU, MISSOURI

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MEW Site Trust Fund Donors
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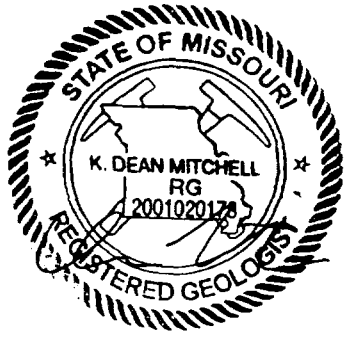

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093-001B

September 25, 2001

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1 INTRODUCTION

On behalf of the Missouri Electric Works (MEW) Site Trust Fund Donors, Komex is pleased to submit the enclosed Groundwater Monitoring Report - Third Quarter 2001 for the MEW Site (referred to hereafter as "the Site") located at 824 South Kingshighway, Cape Girardeau, Missouri (Figure 1). This report summarizes the activities associated with groundwater gauging and sampling conducted during the Third Quarter of 2001 on July 24, 25 and 26. The work was performed in accordance with the Work Plan (Komex 2001b), the project specific Sampling and Analyses Plan (SAP) (Komex 2001c), the Quality Assurance Project Plan (QAPP) (Komex , 2001d) and the site specific Health and Safety Plan (HaSP) (Komex 2001e). Second Quarter groundwater monitoring was performed in April (Komex 2001f).

Prior to work performed in 2000 (Komex 2001a), groundwater monitoring was last performed in 1991 (EarthTech 1991). A more continuous data set is needed to characterize hydrogeologic conditions. Since a large volume of contaminated soil was treated, it is expected that concentrations of chemicals of concern (COCs) in groundwater beneath the Site will decrease over time and additional groundwater monitoring data will provide the opportunity to discern trends in groundwater quality.

The quarterly groundwater monitoring is intended to establish a groundwater quality baseline representative of current groundwater flow conditions. It is possible that planned environmental investigations, including drilling into the bedrock and conducting aquifer testing, could disturb the current hydrogeological regime and potentially remobilize COCs. In addition, groundwater elevation collected using transducers and data loggers will be used to evaluate hydraulic parameters.

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2 SITE DESCRIPTION AND HISTORY

The MEW property is located on a 6.4-acre (2.6 hectare [ha]) tract of land that is adjacent to Missouri State Highway 61 in a commercial area of Cape Girardeau, Missouri (Figure 1) and is located 1.5 miles (2.4 kilometer [km]) west of the Mississippi River, above the river's flood plain. Runoff channels are located near the north, south and east boundaries of the property and they eventually drain into the Cape LaCroix Creek, which is approximately 0.7 miles (1.1 km) east of the property. The creek then drains into the Mississippi River. The property is bounded on the north and east by retail and office properties and on the south by retail properties.

MEW has been at the present location since 1953. Until 1992, MEW sold, serviced and remanufactured transformers, electric motors and electrical equipment controls. Currently, the property is mostly grass field with a single concrete building at the northwest corner, which is used by the owner to park vehicles. During past operations, MEW recycled materials from old equipment and recovered copper wire and dielectric fluid from transformers. The salvaged transformer oil was filtered through Fuller's Earth for reuse. Approximately 90 percent of the oil was recycled and approximately 16,000 transformers were repaired or scrapped at the property until it closed. The total volume of transformer oil that was not recycled during this period has been estimated at 28,000 gallons (105,992 liters).

The Site comprises areas on and off the MEW property that were impacted by polychlorinated biphenyls (PCBs) in soil above the action limit of 10 parts per million (ppm) to a depth of 4 feet (1.2 meters [m]) below ground surface (bgs), and above 100 ppm at depths greater than 4 feet (1.2 m) bgs. The total surface area of the Site is approximately 6.8 acres (2.8 ha). PCBs were identified and removed from soils at the MEW property from the surface to approximately than 27 feet (8.2 m) below ground surface (bgs). In addition to PCBs, low concentrations of volatile organic compounds (VOCs), including methylene chloride, chlorobenzene and 1,1,1-trichloroethane (1,1,1-TCA), were detected in soil at the Site. Treatment of PCB-impacted soil by thermal desorption at the Site was completed in July 2000.

Groundwater investigations have previously been conducted at the Site, including two investigations in 1989 and 1990 by The Earth Technology Company (Earth Tech) of Houston, Texas. There are currently ten ground water monitoring wells and one water supply well (not in use) at the Site (Figure 2, Table 1). In 1999, twelve monitoring wells

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existed at the Site. Two wells shallower than 30 feet (9 m) deep intersected little (Well MW-6) or no groundwater (Well MW-B). Eight wells, constructed shallower than 65 feet (20 m) deep, were installed in the first significant groundwater zone encountered at the site. One well (Well MW-11) is installed to a depth of 120 feet (36.6 m) and one well (Well MW-11A) is 405 feet (123 m) deep. On September 30, 2000, two wells (Wells MW-B and MW-8) were abandoned. Well MW-B was abandoned because it did not intersect groundwater and Well MW-8 was abandoned due to a damaged wellhead. Wells MW-A and MW-C had already been abandoned, but the dates of abandonment are undocumented. There is also a groundwater supply well, with a depth of approximately 150 feet (137 m), located near the southeast corner of the building. The well was used to supply water for the Site and was capped with a concrete pad in the early 1990s.

A recent geologic and hydrogeologic investigation was performed by Komex (2001a) at and in the vicinity of the Site. The following tasks were conducted as part of the investigation:

- Site reconnaissance and field mapping;
- Fractured rock lineament study;
- Groundwater monitoring and sampling;
- Sediment sampling from groundwater wells;
- Laboratory analyses of groundwater and sediment samples;
- Initial fracture modeling; and
- Initial conceptual model development.

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3 DATA LOGGER DOWNLOAD

On April 26, 2001, MINITroll transducers with built-in data loggers and Teflon coated cables were installed in three wells at the Site: one shallow well (MW-3), one intermediate well (MW-11), and one deep well (MW-11A) to monitor groundwater elevations. The instruction manual for the operation of the transducers and data loggers are provided in the SAP (Komex 2001c). The groundwater elevation data were downloaded on July 24, 2001 and will be downloaded again during the Fourth Quarter groundwater monitoring event in October 2001. Depth to groundwater was measured by hand to confirm the data measured by the transducer.

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4 RAINFALL MONITORING

A hydrograph method for evaluating the bulk storativity and transmissivity of the aquifer will be performed. This method will eliminate the need for conducting a pumping test to characterize these parameters. A tipping bucket rain gauge with a built-in data logger (Onset Data Logging Rain Gauge Model No. RG1 Serial No. 341320) was installed on the crane superstructure attached to the Site building to obtain accurate Site precipitation data. The set of data was downloaded on July 27, 2001, but unfortunately the logger had malfunctioned and no data had been recorded. The problem has been resolved and the data will be downloaded during the Fourth Quarter groundwater monitoring event in October 2001. In addition, precipitation data from the Cape Girardeau airport, located approximately one mile (1.6 km) from the Site, will be obtained for comparison.

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5 MONITORING WELL GAUGING AND SAMPLING

On July 24, 2001, the groundwater monitoring wells at the Site (Figure 2) were gauged for depth to groundwater using a hand operated electric water level tape. Monitoring well construction details are presented in Table 1 and groundwater elevation data are presented in Table 2. Hydrographs for each of the wells are shown on Figure 3 and the groundwater surface potentiometric contour map for the Third Quarter of 2001 is presented on Figure 4.

On July 24, 25 and 26, 2001, all the wells at the Site were purged and sampled, with the exception of MW-6, which did not contain sufficient water.

Prior to groundwater sampling, the wells were purged of groundwater using a submersible pump or bailer, or both, until (1) the hydro-geochemical parameters (pH, temperature, electrical conductivity, turbidity and dissolved oxygen) had stabilized to within 10 percent, (2) a minimum of three casing volumes had been removed, or (3) until dry. The wells were then allowed to recover to 80 percent of the pre-purged volume, or for approximately two hours in the event of slow recovery. Well gauging and sampling field forms are included in Appendix A.

Groundwater samples were collected using disposable polypropylene bailers or a stainless steel bailer (MW-11A) or using a submersible pump (WSW-1). For this sampling episode, data quality was evaluated by collecting and analyzing one duplicate sample (collected from Well MW-11), one equipment blank, one field blank, and three trip blanks. The groundwater and QA/QC samples were transported to Analytical Environmental Services (AES) of Atlanta, for the following analyses:

- VOCs in accordance with United States Environmental Protection Agency (USEPA) Method 8260B,
- Semi-volatile organic compounds (SVOCs) in accordance with USEPA Method 8270B, and
- PCBs in accordance with USEPA Method 8082 (except for field and trip blank samples).

When PCBs were detected in a groundwater sample, then a duplicate sample was filtered and analyzed for PCBs.

The laboratory reports and chain-of-custody forms are presented in Appendix B.

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6 DISCUSSION OF MONITORING RESULTS

6.1 GROUNDWATER ELEVATION AND FLOW CONDITIONS

Table 2 presents groundwater elevation data collected from September 1999 to July 2001. Figure 3 shows hydrographs for monitoring wells at the Site. Figure 4 shows the groundwater potentiometric surface map interpreted from data collected on July 24, 2001. Groundwater potentiometric elevations have ranged between 376.9 and 396.5 feet (114.9 and 120.8 m) above mean sea level (AMSL) since September 1999. The surface elevation at the Site is approximately 420 feet (128 m) AMSL. On July 24, 2001, the groundwater flow direction was approximately southeast at a gradient of approximately 0.007 feet per foot. The July 2001 flow direction and gradient are consistent with those estimated for September 1999 to April 2001 (Komex 2001a; 2001f).

6.2 INORGANIC ANALYTICAL RESULTS

Groundwater samples were not analyzed for inorganic constituents during this groundwater monitoring event. Previous results of inorganic analyses of groundwater samples collected by Komex are presented in Table 3. Figure 5 shows a Piper diagram of the data and Figure 6 shows Stiff diagrams for each well. The groundwater samples collected at the Site can be categorized as rich in calcium-bicarbonate, typical of groundwater in limestone. Also, TDS is lower in Wells MW-11, MW-11A, and WSW-1 than in the other wells, possibly because these wells were installed deeper than the other wells. The high proportion of calcium and bicarbonate concentrations compared to other constituents in the shallow aquifer indicate that dissolution of limestone and calcite in the soil is occurring more rapidly than in deeper parts of the aquifer. This is expected, as a result of infiltration of atmospheric CO_2 dissolved in precipitation, reaching the upper shallow groundwater, and creating acidic conditions that promote dissolution of carbonates. The sources of dissolved carbon dioxide are microbes in the soil and the atmosphere (Freeze and Cherry 1979).

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6.3 BIOLOGICAL ANALYTICAL RESULTS

Groundwater samples were not analyzed for total heterotrophic plate counts nor BOD during this groundwater monitoring event. Previous results of biological analyses of groundwater samples collected by Komex, including 2000 results, are presented in Table 4.

The results for Well WSW-1 are from the April 2001 Second Quarter sampling event. The groundwater sample from Well MW-11 showed significantly higher heterotrophic plate counts than samples from other wells. The reason for this difference has not been investigated.

6.4 ORGANIC ANALYTICAL RESULTS

Analytical results for groundwater samples from previous investigations conducted by EarthTech (1990 and 1991) are presented in Appendix C. The results of laboratory analyses of groundwater samples collected by Komex for organic compounds are presented in Table 5, with the Third Quarter 2001 results presented on Figure 7. Compounds not detected at the Site are not included in Table 5, except for PCE, which had been detected during previous groundwater sampling events. Laboratory analytical results are provided in Appendix B. The following compounds were detected in groundwater monitoring wells during the July 2001 sampling event:

- 1,1,1-Trichloroethane (1,1,1-TCA);
- 1,1-Dichloroethane (1,1-DCA);
- Trichloroethene (TCE);
- Benzene;
- Chlorobenzene;
- 1,4-Dichlorobenzene(1,4-DCB);
- 1,2,4-Trichlorobenzene (1,2,4-TCB); and
- Polychlorinated biphenyls (PCBs - Aroclor 1260).

Dissolved organic compounds were not detected in groundwater samples collected from Wells MW-6A, MW-7, MW-9, MW-11A and WSW-1.

The number of analytes and the concentration of those analytes in many of the wells were different from to the results of the Second Quarter 2001 groundwater monitoring event (Table 5). VOC, SVOC and PCB concentrations in groundwater samples generally decreased, with several becoming non-detect in some wells, between April and July, 2001. Changes in COC concentrations were as follows:

- 1,1,1-Trichloroethane decreased in MW10 (8.0 ug/L to 5.6 ug/L).
- Chlorobenzene decreased in MW-3 (510 ug/L to 310 ug/L), MW-4 (30 ug/L to 6.3 ug/L), and MW-5 (19 ug/L to non-detect).

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- 1,1-Dichloroethane decreased in MW-4 (19 ug/L to 8.8 ug/L) and MW-10 (16 ug/L to non-detect).
- 1,2,4-Trichlorobenzene decreased in MW-4 (41 ug/L to non-detect) and MW-7 (24 ug/L to non-detect).
- 1,2-Dichlorobenzene decreased in MW-4 (13 ug/L to non-detect).
- 1,4-Dichlorobenzene decreased in MW-4 (14 ug/L to non-detect).
- PCB decreased in MW-3 (4.7 ug/L to 1.1 ug/L), MW-5 (85 ug/L to 11 ug/L), MW-11 (14 ug/L to 3.5 ug/L) and MW-11A (3.0 ug/L to non-detect).
- Benzene increased in MW-3 (5.3 ug/L to 5.6 ug/L).
- TCE increased in MW-10 (7.2 ug/L to 7.9 ug/L).
- Chlorobenzene increased in MW-11 (5.9 ug/L to 8.2 ug/L).
- 1,2,4-Trichlorobenzene remained at 31 ug/L in MW-10.

Although it appears that the general trend at the Site is decreasing concentrations of COCs, additional quarters of data will needed to confirm this trend. A report summarizing the data and interpretation of the data will be prepared following four quarters of groundwater monitoring.

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7 DATA QUALITY ASSESSMENT

Data quality was evaluated by the collection and analysis of one duplicate sample (Well MW-11), one equipment blank, one field blank, and three trip blanks during the quarterly event. Table 6 summarizes the QA/QC data for this sample set. The QA/QC samples were analyzed for the following:

- VOCs in accordance with USEPA Method 8260B;
- SVOCs in accordance with USEPA Method 8270B; and,
- PCBs in accordance with USEPA Method 8082.

The trip blanks were prepared by the laboratory and accompanied collected groundwater samples in the field and during shipment to the laboratory. The field and equipment blanks were prepared using de-ionized (DI) water shipped from the laboratory. The field blank sample was collected at the site by pouring water from a 1-liter bottle directly into appropriate sample bottles near the Site building. The equipment blank was collected at the site by pouring water from the same 1-liter bottle over the Grundfos pump after purging Well WSW-1 and decontaminating the pump. None of the analyzed compounds analyzed were detected in the equipment blank, trip blanks, or field blank.

Duplicate groundwater sample relative percent difference (RPD) for Well MW-11 was calculated to be 7.9 percent for chlorobenzene and 2.9 percent for PCB (Aroclor 1260). These percentages are within the acceptable QC laboratory limits of 30 percent. In addition, results for associated laboratory quality control samples were within EPA and AES established limits.

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8 CLOSURE/LIMITATIONS

This report has been prepared for the exclusive use of MEW Site Trust Fund Donors as it pertains to the MEW Site in Cape Girardeau, Missouri. Our services have been performed using that degree of care and skill ordinarily exercised under similar circumstances by reputable, qualified environmental consultants practicing in this or similar locations. No other warranty, either expressed or implied, is made as to the professional advice included in this report. These services were performed consistent with our agreement with our client.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We do not warrant the accuracy of information supplied by others or the use of segregated portions of this report.

The purpose of a geologic/hydrogeologic/contaminant investigation is to reasonably characterize existing subsurface conditions at the Site. In performing such an investigation, it is understood that no investigation is thorough enough to describe all subsurface conditions of interest at a given site. If conditions have not been identified during the investigation, such a finding should not, therefore, be construed as a guarantee of the absence of such conditions at the Site, but rather as the result of the services performed within the scope, limitations, and cost of the work performed.

In regard to geologic/hydrogeologic/contaminant conditions, our professional opinions are based in part on interpretation of data from discrete sampling locations. It should be noted that actual conditions at unsampled locations may differ from those interpreted from sampled locations.

Respectfully submitted,
KOMEX

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Hydrogeologist

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9 REFERENCES

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Freeze, R.A. and J.A. Cherry (1979). Groundwater. Englewood Cliffs, New Jersey: Prentice-Hall Inc.

Komex (2001a). Re-Evaluation of Groundwater Conditions and Conceptual Model Report, Missouri Electric Works (MEW) Site, Cape Girardeau, Missouri. Dated February 12, 2001.

Komex (2001b). Work Plan – Quarterly Groundwater Monitoring, Missouri Electric Works (MEW) Site, Cape Girardeau, Missouri. Dated April 16, 2001.

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Komex (2001d). Quality Assurance Project Plan (QAPP) – Quarterly Groundwater Monitoring, Missouri Electric Works (MEW) Site, Cape Girardeau, Missouri. Dated April 16, 2001.

Komex (2001e). Site Specific Health and Safety Plan (HaSP) – Quarterly Groundwater Monitoring, Missouri Electric Works (MEW) Site, Cape Girardeau, Missouri. Dated April 16, 2001.

Komex (2001f). Quarterly Groundwater Monitoring Report, Second Quarter 2001, Missouri Electric Works (MEW) Site, Cape Girardeau, Missouri. Dated June 22, 2001.

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TABLE 1
GROUNDWATER WELL CONSTRUCTION DETAILS
Missouri Electric Works, Cape Girardeau

Well ID	Date Installed	Date Abandoned	Top of Casing Elevation (feet AMSL)	Total Depth (Approximate) (feet BGS)	Casing Diameter (inches)	Screened Interval (feet BGS)
MW-A	NA	NA	NA	NA	NA	NA
MW-B	NA	30-Sep-2000	NA	NA	2	NA
MW-C	NA	NA	NA	NA	NA	NA
MW-3	NA	-	420.06	41	2	NA
MW-4	NA	-	422.78	58	2	NA
MW-5	NA	-	419.52	42	2	NA
MW-6	NA	-	424.11	28	2	NA
MW-6A	1-Mar-1990	-	424.22	46	2	35 to 45
MW-7	1-Mar-1990	-	403.76	33	2	21 to 31
MW-8	1-Mar-1990	30-Sep-2000	401.74	21	2	21 to 31
MW-9	1-Mar-1990	-	423.74	31	2	38 to 48
MW-10	1-Mar-1990	-	422.78	63	2	50 to 60
MW-11	January-1991	-	420.20	120	2	115 to 120
MW-11A	June-1991	-	421.92	405	4	No Screen
WSW-1	NA	-	NA	150	6	NA

Notes:
1) AMSL = Above mean sea level.
2) BGS = Below ground surface.
3) NA = Not available.
4) MW-4 was covered by a soil pile during surface soil remediation.
5) The casing of MW-7 was lowered on September 26, 2000. The elevation prior to lowering was 405.86 feet AMSL.
6) On February 2, 2000, the well head of well MW-10 was damaged and the top of casing was lowered. The survey elevation prior to damage was 423.15 feet AMSL.
7) Well WSW-1 is an inactive water supply well.

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TABLE 2
GROUNDWATER ELEVATION DATA
Missouri Electric Works, Cape Girardeau

Well ID	Date Monitored	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet AMSL)
MW-3	8-Sep-1999	420.06	41.75	378.31
	9-Sep-1999	420.06	41.85	378.21
	15-Sep-1999	420.06	42.00	378.06
	21-Sep-1999	420.06	42.11	377.95
	22-Sep-1999	420.06	42.09	377.97
	23-Sep-1999	420.06	42.05	378.01
	29-Sep-1999	420.06	42.01	378.05
	30-Sep-1999	420.06	42.00	378.06
	5-Oct-1999	420.06	42.00	378.06
	12-Oct-1999	420.06	40.61	379.45
	13-Oct-1999	420.06	40.72	379.34
	14-Oct-1999	420.06	40.85	379.21
	15-Oct-1999	420.06	40.89	379.17
	19-Oct-1999	420.06	41.19	378.87
	3-Nov-1999	420.06	41.90	378.16
	19-Nov-1999	420.06	42.14	377.92
	23-Nov-1999	420.06	41.91	378.15
	1-Dec-1999	420.06	42.10	377.96
	13-Dec-1999	420.06	38.44	381.62
	17-Dec-1999	420.06	38.80	381.26
	20-Dec-1999	420.06	39.50	380.56
	4-Jan-2000	420.06	35.35	384.71
	6-Jan-2000	420.06	37.50	382.56
	13-Jan-2000	420.06	39.65	380.41
	17-Jan-2000	420.06	39.91	380.15
	24-Jan-2000	420.06	40.31	379.75
	2-Feb-2000	420.06	40.76	379.30
	10-Feb-2000	420.06	41.02	379.04
	6-Apr-2000	420.06	38.55	381.51
	21-Apr-2000	420.06	39.95	380.11
	25-Apr-2000	420.06	39.75	380.31
	26-Apr-2000	420.06	39.74	380.32
	27-Apr-2000	420.06	39.67	380.39
	1-May-2000	420.06	39.84	380.22
	4-May-2000	420.06	39.81	380.25
	9-May-2000	420.06	39.44	380.62
	10-May-2000	420.06	39.41	380.65
	11-May-2000	420.06	39.42	380.64
	19-May-2000	420.06	40.14	379.92
	2-Jun-2000	420.06	39.81	380.25
	19-Jun-2000	420.06	40.50	379.56
	22-Jun-2000	420.06	38.32	381.74
	26-Sep-2000	420.06	41.01	379.05
	23-Apr-2001	420.06	38.95	381.11
	24-Jul-2001	420.06	38.95	381.11

Notes:
1) AMSL = Above mean sea level.
2) BTOC = Below top of casing.

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TABLE 2
GROUNDWATER ELEVATION DATA
Missouri Electric Works, Cape Girardeau

Well ID	Date Monitored	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet AMSL)
MW-4	26-Sep-2000	422.78	43.25	379.53
	23-Apr-2001	422.78	41.74	381.04
	24-Jul-2001	422.78	41.62	381.16
MW-5	8-Sep-1999	419.52	41.15	378.37
	9-Sep-1999	419.52	41.20	378.32
	15-Sep-1999	419.52	41.36	378.16
	21-Sep-1999	419.52	41.55	377.97
	22-Sep-1999	419.52	41.49	378.03
	23-Sep-1999	419.52	41.44	378.08
	29-Sep-1999	419.52	41.36	378.16
	30-Sep-1999	419.52	41.36	378.16
	5-Oct-1999	419.52	41.34	378.18
	12-Oct-1999	419.52	40.02	379.50
	15-Oct-1999	419.52	40.22	379.30
	19-Oct-1999	419.52	40.55	378.97
	3-Nov-1999	419.52	41.25	378.27
	19-Nov-1999	419.52	41.50	378.02
	23-Nov-1999	419.52	41.31	378.21
	1-Dec-1999	419.52	41.50	378.02
	13-Dec-1999	419.52	38.27	381.25
	17-Dec-1999	419.52	38.31	381.21
	20-Dec-1999	419.52	38.95	380.57
	4-Jan-2000	419.52	35.25	384.27
	6-Jan-2000	419.52	37.55	381.97
	13-Jan-2000	419.52	39.10	380.42
	17-Jan-2000	419.52	39.35	380.17
	24-Jan-2000	419.52	39.77	379.75
	2-Feb-2000	419.52	40.20	379.32
	10-Feb-2000	419.52	40.45	379.07
	6-Apr-2000	419.52	38.06	381.46
	21-Apr-2000	419.52	39.39	380.13
	25-Apr-2000	419.52	39.15	380.37
	26-Apr-2000	419.52	39.12	380.40
	27-Apr-2000	419.52	39.12	380.40
	1-May-2000	419.52	39.27	380.25
	4-May-2000	419.52	39.25	380.27
	9-May-2000	419.52	38.90	380.62
	10-May-2000	419.52	38.85	380.67
	11-May-2000	419.52	38.85	380.67
	19-May-2000	419.52	39.56	379.96
	2-Jun-2000	419.52	39.21	380.31
	19-Jun-2000	419.52	39.92	379.60
	22-Jun-2000	419.52	37.77	381.75

Notes:
1) AMSL = Above mean sea level.
2) BTOC = Below top of casing.

MEW Site File
Break3_009661

TABLE 2
GROUNDWATER ELEVATION DATA
Missouri Electric Works, Cape Girardeau

Well ID	Date Monitored	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet AMSL)
MW-5	30-Jun-2000	419.52	37.91	381.61
(Continued)	14-Jul-2000	419.52	39.62	379.90
	26-Sep-2000	419.52	40.39	379.13
	23-Apr-2001	419.52	38.35	381.17
	24-Jul-2001	419.52	38.41	381.11
MW-6	26-Sep-2000	424.11	28.20	395.91
	23-Apr-2001	424.11	27.76	396.35
	24-Jul-2001	424.11	28.41	395.70
MW-6A	8-Sep-1999	424.22	45.71	378.51
	9-Sep-1999	424.22	45.71	378.51
	15-Sep-1999	424.22	45.85	378.37
	21-Sep-1999	424.22	45.95	378.27
	22-Sep-1999	424.22	45.95	378.27
	23-Sep-1999	424.22	45.94	378.28
	29-Sep-1999	424.22	45.83	378.39
	30-Sep-1999	424.22	45.84	378.38
	5-Oct-1999	424.22	45.87	378.35
	12-Oct-1999	424.22	44.56	379.66
	13-Oct-1999	424.22	44.65	379.57
	14-Oct-1999	424.22	44.76	379.46
	15-Oct-1999	424.22	44.84	379.38
	19-Oct-1999	424.22	45.11	379.11
	3-Nov-1999	424.22	45.85	378.37
	19-Nov-1999	424.22	46.09	378.13
	23-Nov-1999	424.22	46.05	378.17
	1-Dec-1999	424.22	46.10	378.12
	17-Dec-1999	424.22	43.20	381.02
	20-Dec-1999	424.22	43.71	380.51
	4-Jan-2000	424.22	42.50	381.72
	6-Jan-2000	424.22	42.51	381.71
	13-Jan-2000	424.22	43.91	380.31
	17-Jan-2000	424.22	44.17	380.05
	24-Jan-2000	424.22	44.54	379.68
	2-Feb-2000	424.22	45.00	379.22
	10-Feb-2000	424.22	45.26	378.96
	6-Apr-2000	424.22	43.07	381.15
	21-Apr-2000	424.22	44.25	379.97
	25-Apr-2000	424.22	44.00	380.22
	26-Apr-2000	424.22	44.02	380.20

Notes:
1) AMSL = Above mean sea level.
2) BTOC = Below top of casing.

MEW Site File
Break3_009662

TABLE 2
GROUNDWATER ELEVATION DATA
Missouri Electric Works, Cape Girardeau

Well ID	Date Monitored	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet AMSL)
MW-6A (Continued)	27-Apr-2000	424.22	44.03	380.19
	1-May-2000	424.22	44.13	380.09
	4-May-2000	424.22	44.17	380.05
	9-May-2000	424.22	43.81	380.41
	10-May-2000	424.22	43.79	380.43
	11-May-2000	424.22	43.79	380.43
	19-May-2000	424.22	44.29	379.93
	2-Jun-2000	424.22	43.85	380.37
	16-Jun-2000	424.22	44.44	379.78
	19-Jun-2000	424.22	42.56	381.66
	30-Jun-2000	424.22	42.54	381.68
	14-Jul-2000	424.22	44.13	380.09
	26-Sep-2000	424.22	44.65	379.57
	23-Apr-2001	424.22	43.47	380.75
	24-Jul-2001	424.22	43.18	381.04
MW-7	8-Sep-1999	405.86	28.21	377.65
	9-Sep-1999	405.86	28.24	377.62
	15-Sep-1999	405.86	28.40	377.46
	21-Sep-1999	405.86	28.42	377.44
	22-Sep-1999	405.86	28.42	377.44
	23-Sep-1999	405.86	28.40	377.46
	29-Sep-1999	405.86	28.33	377.53
	30-Sep-1999	405.86	28.31	377.55
	5-Oct-1999	405.86	28.25	377.61
	12-Oct-1999	405.86	26.80	379.06
	13-Oct-1999	405.86	27.00	378.86
	14-Oct-1999	405.86	27.11	378.75
	15-Oct-1999	405.86	27.21	378.65
	19-Oct-1999	405.86	27.46	378.40
	3-Nov-1999	405.86	28.16	377.70
	19-Nov-1999	405.86	28.41	377.45
	23-Nov-1999	405.86	28.15	377.71
	1-Dec-1999	405.86	28.32	377.54
	13-Dec-1999	405.86	25.32	380.54
	17-Dec-1999	405.86	25.37	380.49
	20-Dec-1999	405.86	25.91	379.95
	4-Jan-2000	405.86	24.65	381.21

Notes:
1) AMSL = Above mean sea level.
2) BTOC = Below top of casing.
3) On February 2, 2000, the well head of well MW-10 was damaged and the top of casing was lowered.

MEW Site File
Break3_009663

TABLE 2
GROUNDWATER ELEVATION DATA
Missouri Electric Works, Cape Girardeau

Well ID	Date Monitored	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet AMSL)
MW-7	6-Jan-2000	405.86	24.66	381.20
(Continued)	13-Jan-2000	405.86	25.95	379.91
	17-Jan-2000	405.86	26.19	379.67
	24-Jan-2000	405.86	26.55	379.31
	2-Feb-2000	405.86	27.00	378.86
	10-Feb-2000	405.86	27.25	378.61
	6-Apr-2000	405.86	24.91	380.95
	21-Apr-2000	405.86	26.20	379.66
	25-Apr-2000	405.86	25.75	380.11
	26-Apr-2000	405.86	25.89	379.97
	27-Apr-2000	405.86	25.76	380.10
	1-May-2000	405.86	26.02	379.84
	4-May-2000	405.86	25.87	379.99
	9-May-2000	405.86	25.59	380.27
	10-May-2000	405.86	25.41	380.45
	11-May-2000	405.86	25.55	380.31
	19-May-2000	405.86	26.42	379.44
	2-Jun-2000	405.86	26.13	379.73
	16-Jun-2000	405.86	26.84	379.02
	19-Jun-2000	405.86	24.83	381.03
	30-Jun-2000	405.86	24.76	381.10
	14-Jul-2000	405.86	26.55	379.31
	26-Sep-2000	405.86	26.85	379.01
	23-Apr-2001	405.86	24.72	381.14
	24-Jul-2001	405.86	22.77	383.09
MW-8	26-Sep-2000	399.98	21.60	378.38
MW-9	8-Sep-1999	423.74	40.72	383.02
	9-Sep-1999	423.74	40.80	382.94
	15-Sep-1999	423.74	41.02	382.72
	21-Sep-1999	423.74	41.21	382.53
	22-Sep-1999	423.74	41.24	382.50
	23-Sep-1999	423.74	41.24	382.50
	29-Sep-1999	423.74	41.44	382.30
	30-Sep-1999	423.74	41.44	382.30
	5-Oct-1999	423.74	41.56	382.18
	12-Oct-1999	423.74	41.04	382.70
	13-Oct-1999	423.74	40.86	382.88
	14-Oct-1999	423.74	40.19	383.55

Notes:
1) AMSL = Above mean sea level.
2) BTOC = Below top of casing.

MEW Site File
Break3_009664

TABLE 2
GROUNDWATER ELEVATION DATA
Missouri Electric Works, Cape Girardeau

Well ID	Date Monitored	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet AMSL)
MW-9	15-Oct-1999	423.74	40.81	382.93
(Continued)	19-Oct-1999	423.74	40.92	382.82
	3-Nov-1999	423.74	41.61	382.13
	19-Nov-1999	423.74	42.00	381.74
	23-Nov-1999	423.74	42.12	381.62
	1-Dec-1999	423.74	42.21	381.53
	13-Dec-1999	423.74	40.40	383.34
	17-Dec-1999	423.74	38.50	385.24
	20-Dec-1999	423.74	38.05	385.69
	4-Jan-2000	423.74	39.31	384.43
	6-Jan-2000	423.74	37.10	386.64
	13-Jan-2000	423.74	37.81	385.93
	17-Jan-2000	423.74	38.31	385.43
	24-Jan-2000	423.74	39.60	384.14
	2-Feb-2000	423.74	40.47	383.27
	10-Feb-2000	423.74	40.64	383.10
	6-Apr-2000	423.74	38.29	385.45
	21-Apr-2000	423.74	39.81	383.93
	25-Apr-2000	423.74	40.12	383.62
	26-Apr-2000	423.74	40.17	383.57
	27-Apr-2000	423.74	40.10	383.64
	1-May-2000	423.74	40.14	383.60
	4-May-2000	423.74	40.40	383.34
	9-May-2000	423.74	40.13	383.61
	10-May-2000	423.74	40.30	383.44
	11-May-2000	423.74	40.06	383.68
	19-May-2000	423.74	40.46	383.28
	2-Jun-2000	423.74	40.43	383.31
	16-Jun-2000	423.74	40.71	383.03
	19-Jun-2000	423.74	39.13	384.61
	30-Jun-2000	423.74	39.12	384.62
	14-Jul-2000	423.74	39.94	383.80
	26-Sep-2000	423.74	42.13	381.61
	23-Apr-2001	423.74	38.52	385.22
	24-Jul-2001	423.74	39.45	384.29

Notes:
1) AMSL = Above mean sea level.
2) BTOC = Below top of casing.

MEW Site File
Break3_009665

TABLE 2
GROUNDWATER ELEVATION DATA
Missouri Electric Works, Cape Girardeau

Well ID	Date Monitored	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet AMSL)
MW-10	8-Sep-1999	423.15	43.59	379.56
	9-Sep-1999	423.15	43.59	379.56
	15-Sep-1999	423.15	43.80	379.35
	21-Sep-1999	423.15	43.91	379.24
	22-Sep-1999	423.15	43.95	379.20
	23-Sep-1999	423.15	43.93	379.22
	29-Sep-1999	423.15	43.89	379.26
	30-Sep-1999	423.15	43.90	379.25
	5-Oct-1999	423.15	43.94	379.21
	13-Oct-1999	423.15	43.00	380.15
	14-Oct-1999	423.15	42.62	380.53
	15-Oct-1999	423.15	42.78	380.37
	19-Oct-1999	423.15	42.91	380.24
	3-Nov-1999	423.15	43.81	379.34
	19-Nov-1999	423.15	44.24	378.91
	23-Nov-1999	423.15	44.11	379.04
	1-Dec-1999	423.15	44.21	378.94
	13-Dec-1999	423.15	42.05	381.10
	17-Dec-1999	423.15	40.75	382.40
	20-Dec-1999	423.15	40.84	382.31
	4-Jan-2000	423.15	41.71	381.44
	6-Jan-2000	423.15	40.16	382.99
	13-Jan-2000	423.15	41.09	382.06
	17-Jan-2000	423.15	41.45	381.70
	24-Jan-2000	423.15	42.25	380.90
	2-Feb-2000	422.78	42.76	380.02
	10-Feb-2000	422.78	42.71	380.07
	6-Apr-2000	422.78	39.90	382.88
	21-Apr-2000	422.78	41.55	381.23
	25-Apr-2000	422.78	41.66	381.12
	26-Apr-2000	422.78	41.61	381.17
	27-Apr-2000	422.78	41.59	381.19
	1-May-2000	422.78	41.59	381.19
	4-May-2000	422.78	41.71	381.07
	9-May-2000	422.78	41.31	381.47
	10-May-2000	422.78	41.35	381.43
	11-May-2000	422.78	41.20	381.58

Notes:
1) AMSL = Above mean sea level.
2) BTOC = Below top of casing.

MEW Site File
Break3_009666

TABLE 2
GROUNDWATER ELEVATION DATA
Missouri Electric Works, Cape Girardeau

Well ID	Date Monitored	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet AMSL)
MW-10	19-May-2000	422.78	41.78	381.00
(Continued)	2-Jun-2000	422.78	41.41	381.37
	16-Jun-2000	422.78	42.10	380.68
	19-Jun-2000	422.78	40.63	382.15
	30-Jun-2000	422.78	40.50	382.28
	14-Jul-2000	422.78	41.57	381.21
	26-Sep-2000	422.78	43.11	379.67
	23-Apr-2001	422.78	40.37	382.41
	24-Jul-2001	422.78	40.71	382.07
MW-11	8-Sep-1999	420.20	43.01	377.19
	15-Sep-1999	420.20	43.21	376.99
	21-Sep-1999	420.20	43.30	376.90
	22-Sep-1999	420.20	43.29	376.91
	23-Sep-1999	420.20	43.28	376.92
	29-Sep-1999	420.20	43.15	377.05
	30-Sep-1999	420.20	43.18	377.02
	5-Oct-1999	420.20	43.20	377.00
	12-Oct-1999	420.20	41.85	378.35
	13-Oct-1999	420.20	41.95	378.25
	14-Oct-1999	420.20	42.05	378.15
	15-Oct-1999	420.20	42.12	378.08
	19-Oct-1999	420.20	42.41	377.79
	3-Nov-1999	420.20	43.11	377.09
	19-Nov-1999	420.20	43.34	376.86
	23-Nov-1999	420.20	41.31	378.89
	1-Dec-1999	420.20	43.31	376.89
	13-Dec-1999	420.20	40.61	379.59
	17-Dec-1999	420.20	40.40	379.80
	20-Dec-1999	420.20	40.95	379.25
	4-Jan-2000	420.20	39.91	380.29
	6-Jan-2000	420.20	39.81	380.39
	13-Jan-2000	420.20	41.03	379.17
	17-Jan-2000	420.20	41.25	378.95
	24-Jan-2000	420.20	41.62	378.58
	2-Feb-2000	420.20	42.05	378.15
	10-Feb-2000	420.20	42.30	377.90
	6-Apr-2000	420.20	40.02	380.18
	21-Apr-2000	420.20	41.24	378.96

Notes:
1) AMSL = Above mean sea level.
2) BTOC = Below top of casing.

MEW Site File
Break3_009667

TABLE 2
GROUNDWATER ELEVATION DATA
Missouri Electric Works, Cape Girardeau

Well ID	Date Monitored	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet AMSL)
MW-11	25-Apr-2000	420.20	41.05	379.15
(Continued)	26-Apr-2000	420.20	41.04	379.16
	27-Apr-2000	420.20	40.99	379.21
	1-May-2000	420.20	41.11	379.09
	2-Jun-2000	420.20	40.64	379.56
	16-Jun-2000	420.20	41.30	378.90
	22-Jun-2000	420.20	39.10	381.10
	30-Jun-2000	420.20	39.29	380.91
	14-Jul-2000	420.20	40.94	379.26
	26-Sep-2000	420.20	41.65	378.55
	23-Apr-2001	420.20	39.73	380.47
	24-Jul-2001	420.20	39.75	380.45
MW-11A	9-Sep-1999	421.92	40.21	381.71
	15-Sep-1999	421.92	40.51	381.41
	21-Sep-1999	421.92	40.65	381.27
	22-Sep-1999	421.92	40.66	381.26
	23-Sep-1999	421.92	40.66	381.26
	29-Sep-1999	421.92	40.72	381.20
	30-Sep-1999	421.92	40.76	381.16
	5-Oct-1999	421.92	40.84	381.08
	12-Oct-1999	421.92	40.40	381.52
	13-Oct-1999	421.92	40.42	381.50
	15-Oct-1999	421.92	40.32	381.60
	19-Oct-1999	421.92	40.25	381.67
	3-Nov-1999	421.92	40.65	381.27
	19-Nov-1999	421.92	43.86	378.06
	23-Nov-1999	421.92	43.94	377.98
	1-Dec-1999	421.92	44.03	377.89
	13-Dec-1999	421.92	43.13	378.79
	17-Dec-1999	421.92	42.32	379.60
	20-Dec-1999	421.92	42.21	379.71
	4-Jan-2000	421.92	42.25	379.67
	6-Jan-2000	421.92	42.50	379.42
	13-Jan-2000	421.92	41.87	380.05
	17-Jan-2000	421.92	41.95	379.97
	24-Jan-2000	421.92	42.20	379.72
	2-Feb-2000	421.92	42.60	379.32
	10-Feb-2000	421.92	42.89	379.03

Notes:
1) AMSL = Above mean sea level.
2) BTOC = Below top of casing.

MEW Site File
Break3_009668

TABLE 2
GROUNDWATER ELEVATION DATA
Missouri Electric Works, Cape Girardeau

Well ID	Date Monitored	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet AMSL)
MW-11A	6-Apr-2000	421.92	40.64	381.28
(Continued)	21-Apr-2000	421.92	41.59	380.33
	25-Apr-2000	421.92	41.75	380.17
	26-Apr-2000	421.92	41.81	380.11
	27-Apr-2000	421.92	41.81	380.11
	1-May-2000	421.92	41.84	380.08
	4-May-2000	421.92	41.96	379.96
	9-May-2000	421.92	41.78	380.14
	10-May-2000	421.92	41.76	380.16
	11-May-2000	421.92	41.75	380.17
	19-May-2000	421.92	41.91	380.01
	2-Jun-2000	421.92	41.95	379.97
	19-Jun-2000	421.92	42.35	379.57
	22-Jun-2000	421.92	41.86	380.06
	14-Jul-2000	421.92	42.63	379.29
	26-Sep-2000	421.92	43.44	378.48
	23-Apr-2001	421.92	39.28	382.64
	24-Jul-2001	421.92	26.83	395.09

Notes:
1) AMSL = Above mean sea level.
2) BTOC = Below top of casing.

MEW Site File
Break3_009669

MEW Site File
Break3_009670

TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Inorganic Compounds
Missouri Electric Works, Cape Girardeau

Analyte	Method	Well I.D.	MW-3	MW-4	MW-5	MW-6A	MW-7	MW-8	MW-9	MW-10	MW-11	MW-11 (Duplicate)	MW-11A	WSW-1
		Date Sampled	20-Jun-2000	26-Sep-2000	20-Jun-2000	19-Jun-2000	20-Jun-2000	26-Sep-2000	19-Jun-2000	20-Jun-2000	22-Jun-2000	22-Jun-2000	29-Sep-2000	25-Mar-2001
Sodium	SW6010B	mg/L	16.7	51.6	27.1	34.8	52.2	84.9	11.3	11.4	19.1	14.2	9.16	12.6
Potassium	SW6010B	mg/L	1.40	5.82	3.86	2.32	4.23	8.19	3.80	3.36	7.12	9.69	18.0	<5.00
Calcium	SW6010B	mg/L	91.4	227.0	232	172	163	367	115	126	20.7	30.9	74.2	97.7
Magnesium	SW6010B	mg/L	8.20	37.1	13.9	13.5	23.9	58.4	8.58	6.12	2.50	5.64	20.4	6.48
Iron	SW6010B	mg/L	4.81	2.66	54.9	9.51	10.8	153	58.6	4.66	9.30	18.0	13.1	0.757
Manganese	SW6010B	mg/L	1.78	0.144	1.76	0.437	0.690	3.72	0.992	0.114	0.179	0.309	0.159	0.0397
Fluoride	E340.2	mg/L	0.200	0.480	<0.200	0.260	0.280	0.220	0.240	0.220	0.490	0.330	0.340	<0.200
Chloride	E325.2	mg/L	11.7	106.0	11.1	6.27	54.6	25.8	23.2	35.1	15.9	12.9	3.98	32.3
Sulfate	E375.4	mg/L	13.7	357.0	26.5	32.2	48.8	49.6	12.6	24.7	14.5	10.0	14.5	16.5
Sulfide	E376.2	mg/L	<1.00	<1.00	<1.00	<1.00	<1.00	10.4	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Alkalinity as CaCO3	E310.1	mg/L	281	251	299	480	395	914	251	302	64.0	76.0	268	269
Dissolved Oxygen	E360.1	mg/L	5.87	9.57*	7.23	5.90	2.72	8.18	7.80	3.44	8.25	8.03	8.32	3.68
Specific Conductance	E120.1	umhos/cm	558	1510	564	689	1090	1150	489	699	174	138	310	608
pH	E120.1	pH units	7.70	6.95*	7.82	7.05	7.64	7.00	7.33	7.43	9.82	9.97	8.48	7.11

Notes:
1) TDS = Total dissolved solids.
2) TSS = Total suspended solids.
3) COD = Chemical oxygen demand.
4) * = Analyzed after established holding time due to shipping delay.
5) mg/L = milligrams per liter.
6) umhos/cm = micromhos per centimeter.
7) Ca = calcium.
8) Mg = magnesium.

MEW Site File
Break3_009671

TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Inorganic Compounds
Missouri Electric Works, Cape Girardeau

Analyte	Method	Well I.D.	MW-3	MW-4	MW-5	MW-6A	MW-7	MW-8	MW-9	MW-10	MW-11	MW-11 (Duplicate)	MW-11A	WSW-1
		Date Sampled	20-Jun-2000	26-Sep-2000	20-Jun-2000	19-Jun-2000	20-Jun-2000	26-Sep-2000	19-Jun-2000	20-Jun-2000	22-Jun-2000	22-Jun-2000	29-Sep-2000	25-Mar-2001
Hardness (Ca + Mg)	M2340B	mg/L	262	720	637	484	505	1130	323	340	62.1	100	269	271
TDS	E160.1	mg/L	343	1170	359	435	670	692	356	468	137	126	224	380
TSS	E160.2	mg/L	140	92.0	678	596	836	4720	1410	115	162	404	129	13.0
Total Residue	E160.3	mg/L	500	<5.00	1,100	1,100	1,600	<5.00	1,700	600	<5.00	<5.00	<5.00	421
Nitrite	E353.2	mg/L	<0.0500	0.234	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Nitrate	E353.2	mg/L	<0.0500	9.61	<0.0500	<0.0500	1.92	0.662	<0.0500	1.09	0.287	0.136	<0.0500	1.24
Total Phosphorous	E365.1	mg/L	<0.0500	0.161	0.480	0.129	<0.0500	3.56	1.84	<0.0500	<0.0500	0.176	0.081	0.0985
COD	E410.4	mg/L	34.7	30.6	99.0	<10.0	13.0	38.7	<10.0	29.2	27.5	28.8	29.1	<10.0

Notes:
1) TDS = Total dissolved solids.
2) TSS = Total suspended solids.
3) COD = Chemical oxygen demand.
4) * = Analyzed after established holding time due to shipping delay.
5) mg/L = milligrams per liter.
6) umhos/cm = micromhos per centimeter.
7) Ca = calcium.
8) Mg = magnesium.

TABLE 4
GROUNDWATER ANALYTICAL RESULTS
Biological Analyses
Missouri Electric Works, Cape Girardeau

Well ID	Date Sampled	Heterotrophic Plate Count SM9215B (number/L)	BOD E405.1 (mg/L)
MW-3	20-Jun-2000	4,500	10.5
MW-4	26-Sep-2000	11,000*	NA
MW-5	20-Jun-2000	3,000	28.3
MW-6A	19-Jun-2000	15,400	NA
MW-7	20-Jun-2000	3,800	5.10
MW-8	26-Sep-2000	210,000	<5.00
MW-9	19-Jun-2000	8,900	NA
MW-10	20-Jun-2000	350	7.40
MW-11	22-Jun-2000	1,056,000	<5.00
MW-11 (Duplicate)	22-Jun-2000	3,096,000	9.2
MW-11A	29-Sep-2000	100,000	5.76
WSW-1	25-Apr-2001	480	<5.00

Notes:
1) BOD = Biochemical Oxygen Demand.
2) * = Analyzed after established holding time due to shipping delay.
3) NA = Not analyzed.
4) Number/L = number per liter
5) mg/L = milligram per liter

MEW Site File
Break3_009672

MEW Site File
Break3_009673

TABLE 5
GROUNDWATER ANALYTICAL RESULTS
Organic Compounds
Missouri Electric Works, Cape Girardeau

Well ID	Date Sampled	Analytes and EPA Method													
		1,1,1-TCA 8260B (ug/L)	TCE 8260B (ug/L)	PCE 8260B (ug/L)	1,1-DCA 8260B (ug/L)	1,1-DCE 8260B (ug/L)	Benzene 8260B (ug/L)	Chloro-benzene 8260B (ug/L)	1,2,4-TCB 8270C (ug/L)	1,3-DCB 8270C (ug/L)	1,4-DCB 8270C (ug/L)	Bis(2-ethlhexyl) phthalate 8270C (ug/L)	Phenol 8270C (ug/L)	PCB (Aroclor 1260) 8082 (unfiltered) (ug/L)	PCB (Arolcor 1260) 8082 (filtered) (ug/L)
MW-3	20-Jun-2000	<5.0	<5.0	<5.0	<5.0	<5.0	**11**	**710**	<10	**15**	**37**	**21**	<10	<1.0	<2.0
MW-3	25-Apr-2001	<5.0	<5.0	<5.0	<5.0	<5.0	**5.3**	**510**	<10	<10	**25**	<10	<10	**4.7**	<0.20
MW-3	26-Jul-2001	<5.0	<5.0	<5.0	<5.0	<5.0	**5.6**	**320**	<10	<10	**16**	<10	<10	**1.1**	<0.50
MW-4	26-Sep-2000	<5.0	<5.0	<5.0	**5.6**	<5.0	<5.0	<5.0	<10	<10	<10	<10	<10	<1.0	<1.0
MW-4	24-Apr-2001	<5.0	<5.0	<5.0	**19**	**7.7**	<5.0	**30**	**41**	**13**	**14**	<10	<10	<0.20	NA
MW-4	25-Jul-2001	<5.0	<5.0	<5.0	**8.8**	<5.0	<5.0	**6.3**	<10	<10	<10	<10	<10	<0.50	NA
MW-5	20-Jun-2000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**21**	<10	<10	<10	<10	<10	**68**	<2.0
MW-5 *	27-Sep-2000	NA	NA	NA	NA	<5.0	NA	NA	NA	NA	NA	NA	<10	**6.6**	<1.0
MW-5	27-Sep-2000	NA	NA	NA	NA	<5.0	NA	NA	NA	NA	NA	NA	<10	**80**	<1.0
MW-5	25-Apr-2001	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**19**	<10	<10	<10	<10	<10	**85**	<0.20
MW-5	26-Jul-2001	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<10	<10	<10	<10	**11**	<0.50
MW-6A	19-Jun-2000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<10	<10	<10	<10	<1.0	<1.0
MW-6A	24-Apr-2001	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<10	<10	<10	<10	<0.20	NA
MW-6A	25-Jul-2001	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<10	<10	<10	<10	<0.50	NA
MW-7	20-Jun-2000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**40**	<10	<10	<10	<10	<1.0	<2.0
MW-7	25-Apr-2001	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**24**	<10	<10	<10	<10	<0.20	NA
MW-7	26-Jul-2001	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<10	<10	<10	<10	<0.50	NA
MW-8	26-Sep-2000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<10	<10	<10	<10	<1.0	<1.0
MW-9	19-Jun-2000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<10	<10	<10	<10	<1.0	<1.0
MW-9	24-Apr-2001	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<10	<10	<10	<10	<0.20	NA
MW-9	24-Jul-2001	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<10	<10	<10	<10	<0.50	NA
MW-10	20-Jun-2000	**7.9**	<5.0	<5.0	**6.2**	<5.0	<5.0	<5.0	**23**	<10	<10	**16**	<10	<1.0	<2.0
MW-10	24-Apr-2001	**8.0**	**7.2**	<5.0	**16**	**7.0**	<5.0	<5.0	**31**	<10	<10	<10	<10	<0.20	NA
MW-10	24-Jul-2001	**5.6**	**7.9**	<5.0	<5.0	<5.0	<5.0	<5.0	**31**	<10	<10	<10	<10	<0.50	NA
MCL	-	**200**	**5**	**5**	-	-	**5**	**100**	**70**	-	**750**	-	-	**0.5**	-

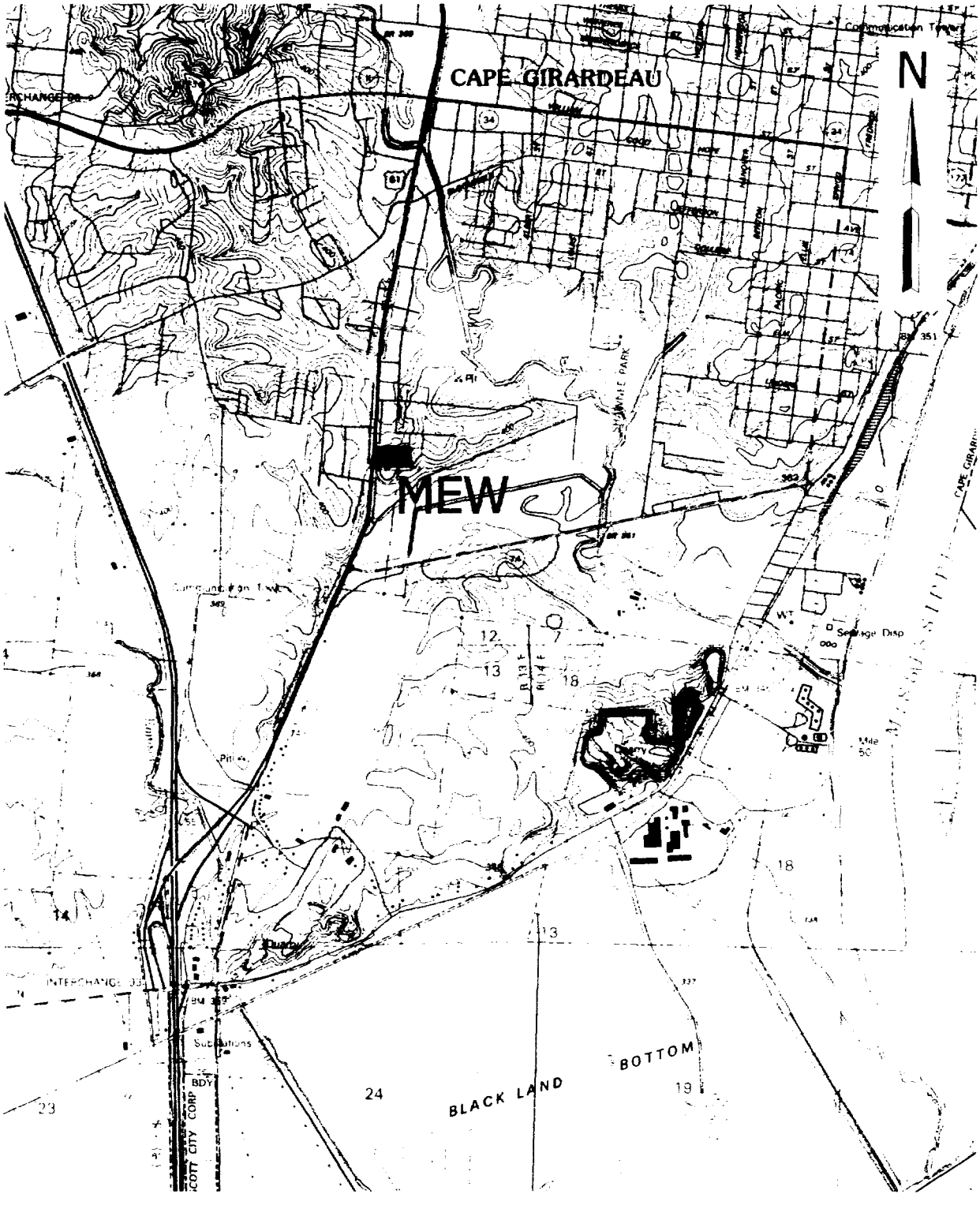
Notes:
1) TCA = Trichloroethane.
2) TCE = Trichloroethene.
3) PCE = Tetrachloroethene.
4) DCA = Dichloroethane.
5) TCB = Trichlorobenzene.
6) DCB = Dichlorobenzene.
7) DCE = Dichloroethene.
8) NA = Not analyzed.
9) MCL = Maximum Contaminant Levels in drinking water (State and Federal).
10) - = No MCL reported.
11) D = Duplicate sample.
12) * = Pre-purge sample.
13) ug/L = micrograms per liter.
14) The EPA record of decision (ROD) (EPA/ROD/R07-90/038) indicates site cleanup goals equal to State and Federal MCLs, except for chlorobenzene (20 ug/L).

MEW Site File
Break3_009674

TABLE 5
GROUNDWATER ANALYTICAL RESULTS
Organic Compounds
Missouri Electric Works, Cape Girardeau

Well ID	Date Sampled	Analytes and EPA Method													
		1,1,1-TCA 8260B (ug/L)	TCE 8260B (ug/L)	PCE 8260B (ug/L)	1,1-DCA 8260B (ug/L)	1,1-DCE 8260B (ug/L)	Benzene 8260B (ug/L)	Chloro-benzene 8260B (ug/L)	1,2,4-TCB 8270C (ug/L)	1,3-DCB 8270C (ug/L)	1,4-DCB 8270C (ug/L)	Bis(2-ethlhexyl) phthalate 8270C (ug/L)	Phenol 8270C (ug/L)	PCB (Aroclor 1260) 8082 (unfiltered) (ug/L)	PCB (Aroicor 1260) 8082 (filtered) (ug/L)
MW-11	22-Jun-2000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**24**	<10	**17**	**32**	<10	<10	**110**	**4.5**
MW-11 (D)	22-Jun-2000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**68**	<10	**16**	**30**	<10	<10	**25**	**2.0**
MW-11 *	27-Sep-2000	NA	NA	NA	NA	<5.0	NA	NA	NA	NA	NA	NA	<10	**6.2**	**2.1**
MW-11	27-Sep-2000	NA	NA	NA	NA	<5.0	NA	NA	NA	NA	NA	NA	<10	**20**	**4.5**
MW-11 (D)	27-Sep-2000	NA	NA	NA	NA	<5.0	NA	NA	NA	NA	NA	NA	<10	**18**	**2.0**
MW-11	26-Apr-2001	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**5.9**	<10	<10	<10	<10	<10	**14**	<0.20
MW-11 (D)	26-Apr-2001	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**6.2**	<10	<10	<10	<10	<10	**12**	<0.20
MW-11	25-Jul-2001	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**8.2**	<10	<10	<10	<10	<10	**3.5**	<0.50
MW-11 (D)	25-Jul-2001	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**7.6**	<10	<10	<10	<10	<10	**3.4**	<0.50
MW-11A	22-Jun-2000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**19**	**6.3**	<10	<10	<10	<10	<1.4	<1.0
MW-11A *	27-Sep-2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10	<1.0	<1.0
MW-11A	29-Sep-2000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<10	<10	<10	**23**	<1.0	<1.0
MW-11A	25-Apr-2001	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<10	<10	**11**	<10	**3.0**	<0.40
MW-11A	26-Jul-2001	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<10	<10	<10	<10	<0.50	NA
WSW-1	25-Apr-2001	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<10	<10	<10	<10	<0.20	NA
WSW-1	24-Jul-2001	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<10	<10	<10	<10	<0.25	NA
MCL	-	**200**	**5**	**5**	-	-	**5**	**100**	**70**	-	**750**	-	-	**0.5**	-

Notes:
1) TCA = Trichloroethane.
2) TCE = Trichloroethene.
3) PCE = Tetrachloroethene.
4) DCA = Dichloroethane.
5) TCB = Trichlorobenzene.
6) DCB = Dichlorobenzene.
7) DCE = Dichloroethene.
8) NA = Not analyzed.
9) MCL = Maximum Contaminant Levels in drinking water (State and Federal).
10) - = No MCL reported.
11) D = Duplicate sample.
12) * = Pre-purge sample.
13) ug/L = micrograms per liter.
14) The EPA record of decision (ROD) (EPA/ROD/R07-90/038) indicates site cleanup goals equal to State and Federal MCLs, except for chlorobenzene (20 ug/L).



NOTES:
1) BASE MAP FROM USGS 7.5 MINUTE CAPE GIRARDEAU QUADRANGLE (1965, REVISED 1993).
2) ALL LOCATIONS ARE APPROXIMATE.

APPROXIMATE SCALE IN MILES

0 0.5 1

DRAWN BY: KDM	APPROVED BY: KDM	KOMEX ENVIRONMENT AND WATER RESOURCES	CLIENT: MEW TRUST FUND DONORS
DATE: 11/17/00	DATE: 11/17/00		PROJECT/SITE: MISSOURI ELECTRIC WORKS (MEW) CAPE GIRARDEAU, MO
EDITED BY:	SCALE: 1 inch = 0.5 miles		TITLE: SITE LOCATION MAP
DATE:		PREPARED SOLELY FOR THE USE OF OUR CLIENT AND NO REPRESENTATION OF ANY KIND IS MADE TO OTHER PARTIES WITH WHICH KOMEX HAS NOT ENTERED INTO A CONTRACT.	FILENAME: FIGURE_1.CDR / FIGURE No: 1

MEW Site File
Break3_009675

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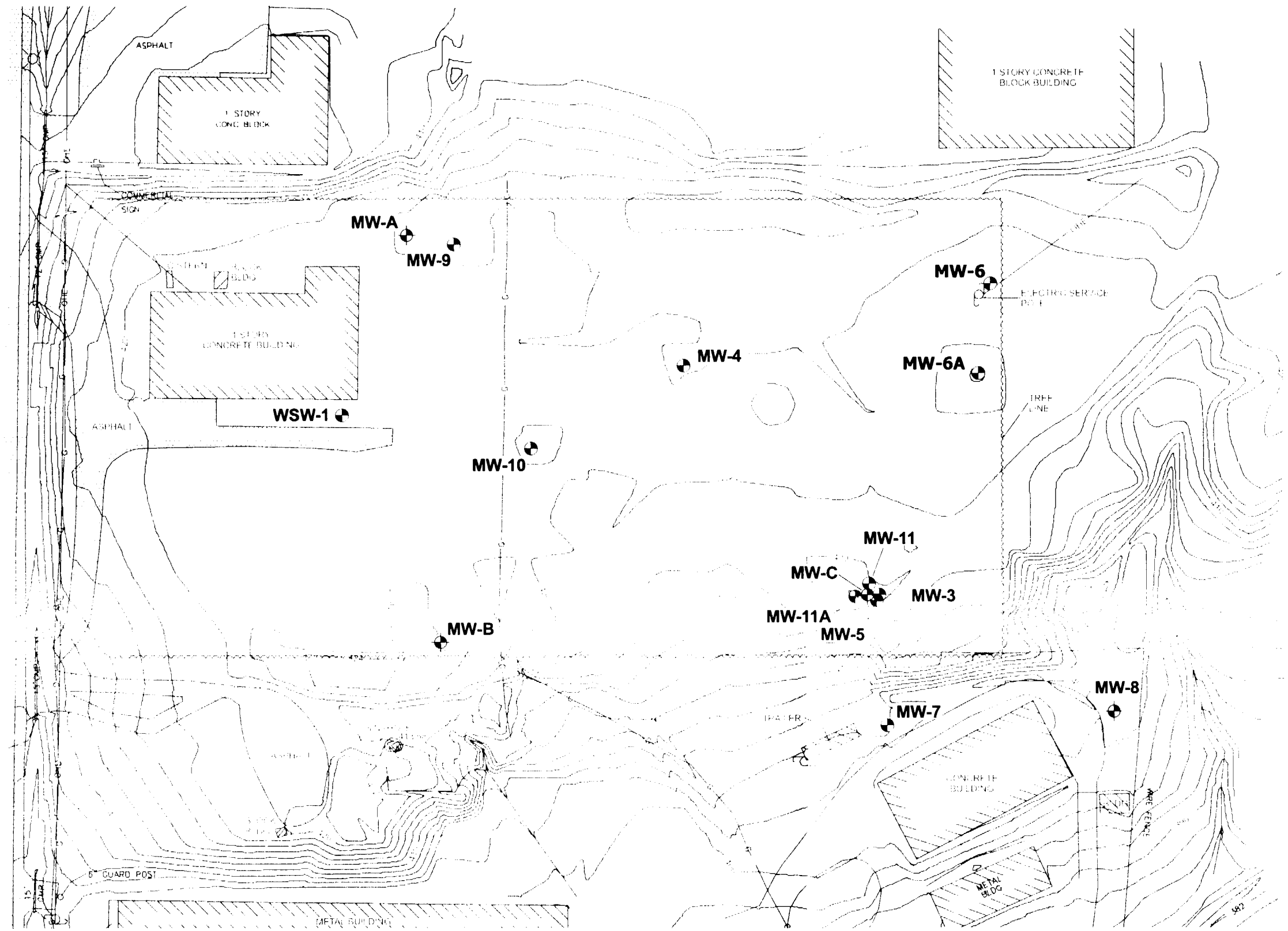

LEGEND:

- MONITORING WELL
- ABANDONED WELL
- SUBSURFACE NATURAL GAS PIPELINE

NORTH

0 80 160

APPROXIMATE SCALE IN FEET

NOTES:
WSW-1 is a water supply well which is no longer in service, but it is being sampled quarterly.
MW-B and MW-8 were abandoned Spetember 2000.
Well construction details for MW-A, MW-B, MW-C, MW-6 and WSW-1 are not known.

DRAWN BY: KDM	APPROVED BY:
DATE: 8/22/01	DATE:
EDITED BY: KDM	SCALE: 1" = 80'
DATE: 8/29/01	

KOMEX
ENVIRONMENT AND WATER RESOURCES

PREPARED SOLELY FOR THE USE OF OUR CLIENT AND NO REPRESENTATION OF ANY KIND IS MADE TO OTHER PARTIES WITH WHICH KOMEX HAS NOT ENTERED INTO A CONTRACT.

CLIENT:	MEW TRUST FUND DONORS
PROJECT/SITE:	MISSOURI ELECTRIC WORKS (MEW) CAPE GIRARDEAU, MO
TITLE:	SITE PLAN
FILENAME: FIGURE_247.CDR	FIGURE No: 2

MEW Site File
Break3_009676

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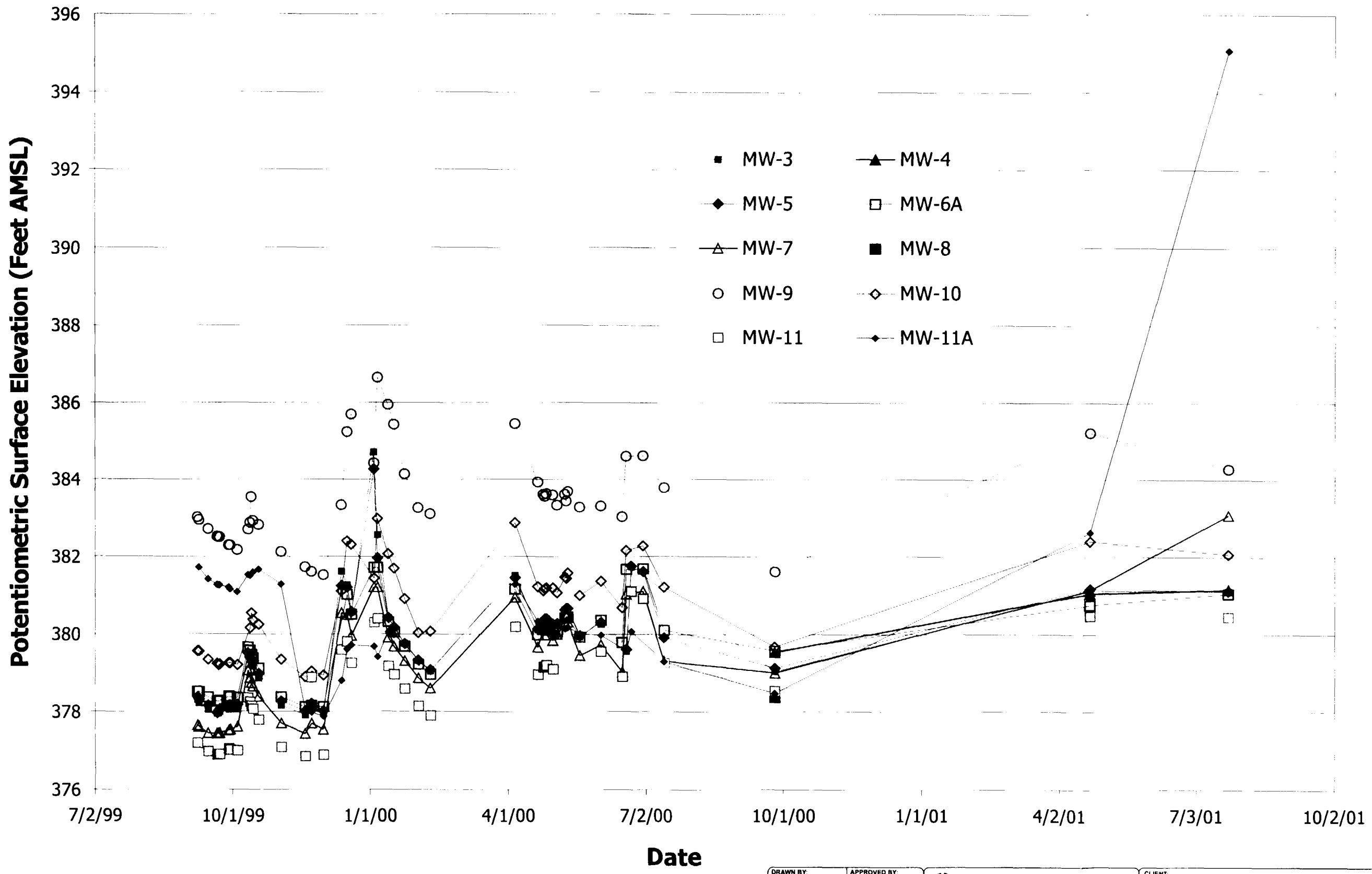

DRAWN BY: KDM	APPROVED BY: KDM	KOMEX ENVIRONMENT AND WATER RESOURCES	CLIENT: MEW TRUST FUND DONORS
DATE: 7/27/00	DATE: 8/22/01		PROJECT/SITE: MISSOURI ELECTRIC WORKS (MEW) CAPE GIRARDEAU, MO
EDITED BY: KDM	SCALE: -		TITLE: HYDROGRAPHS
DATE: 8/22/01		PREPARED SOLELY FOR THE USE OF OUR CLIENT AND NO REPRESENTATION OF ANY KIND IS MADE TO OTHER PARTIES WITH WHICH KOMEX HAS NOT ENTERED INTO A CONTRACT	FILENAME: FIGURE_3.CDR / FIGURE No: 3

MEW Site File
Break3_009677

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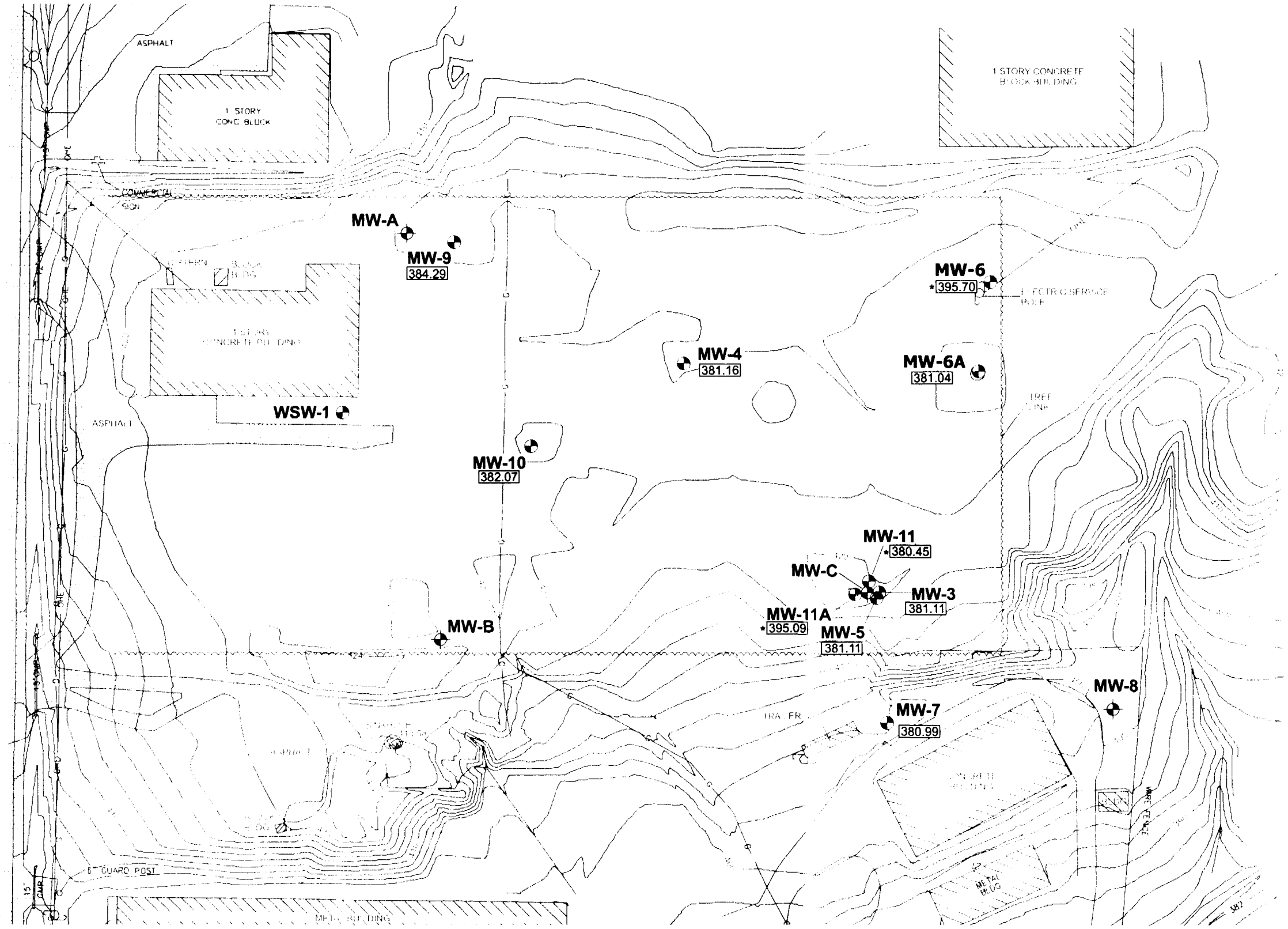

LEGEND:

- MONITORING WELL
- ABANDONED WELL
- SUBSURFACE NATURAL GAS PIPELINE
- 381.11 — GROUNDWATER POTENTIOMETRIC ELEVATION IN FEET AMSL
- 381 — GROUNDWATER POTENTIOMETRIC SURFACE CONTOUR IN FEET AMSL

NORTH

0 80 160

APPROXIMATE SCALE IN FEET

NOTES:

AMSL = Above mean sea level.

* = Data not used for contouring.

DRAWN BY: KDM	APPROVED BY:
DATE: 8/22/01	DATE:
EDITED BY: KDM	SCALE: 1" = 80'
DATE: 8/29/01	

KOMEX
ENVIRONMENT AND WATER RESOURCES

PREPARED SOLELY FOR THE USE OF OUR CLIENT AND NO REPRESENTATION OF ANY KIND IS MADE TO OTHER PARTIES WITH WHICH KOMEX HAS NOT ENTERED INTO A CONTRACT.

CLIENT: MEW TRUST FUND DONORS

PROJECT/SITE: MISSOURI ELECTRIC WORKS (MEW) CAPE GIRARDEAU, MO

TITLE: GROUNDWATER POTENTIOMETRIC SURFACE CONTOUR MAP - JULY 24, 2001

FILENAME: FIGURE_247.CDR

FIGURE No: 4

MEW Site File
Break3_009678

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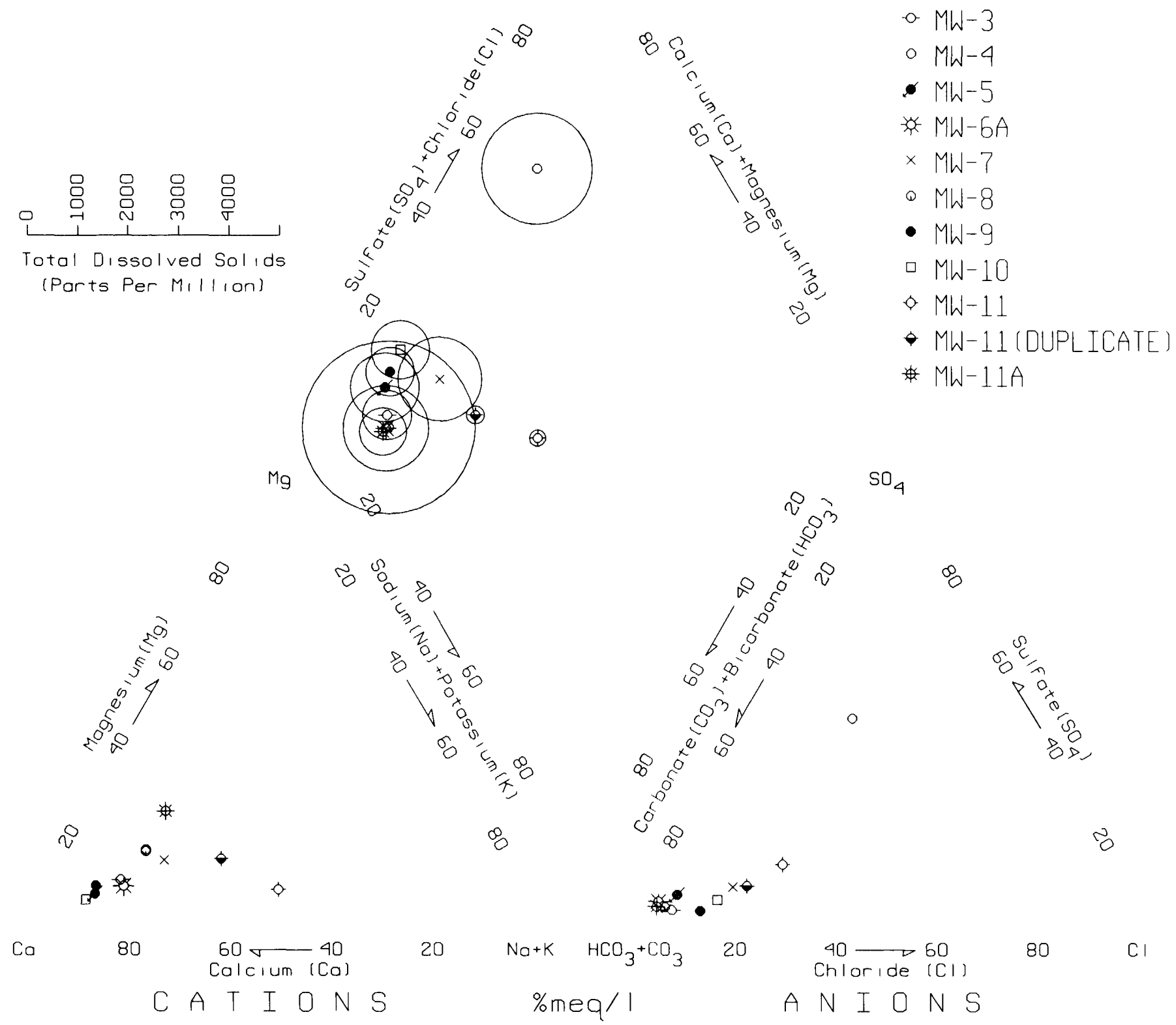

DRAWN BY: KDM	APPROVED BY: RT	KOMEX ENVIRONMENT AND WATER RESOURCES	CLIENT: MEW TRUST FUND DONORS
DATE: 7/27/00	DATE: 11/18/00		PROJECT/SITE: MISSOURI ELECTRIC WORKS (MEW) CAPE GIRARDEAU, MO
EDITED BY: KDM	SCALE: -		TITLE: PIPER DIAGRAM
DATE: 10/18/00		PREPARED SOLELY FOR THE USE OF OUR CLIENT AND NO REPRESENTATION OF ANY KIND IS MADE TO OTHER PARTIES WITH WHICH KOMEX HAS NOT ENTERED INTO A CONTRACT.	FILENAME: FIGURE_5.CDR / FIGURE No: 5

MEW Site File
Break3_009679

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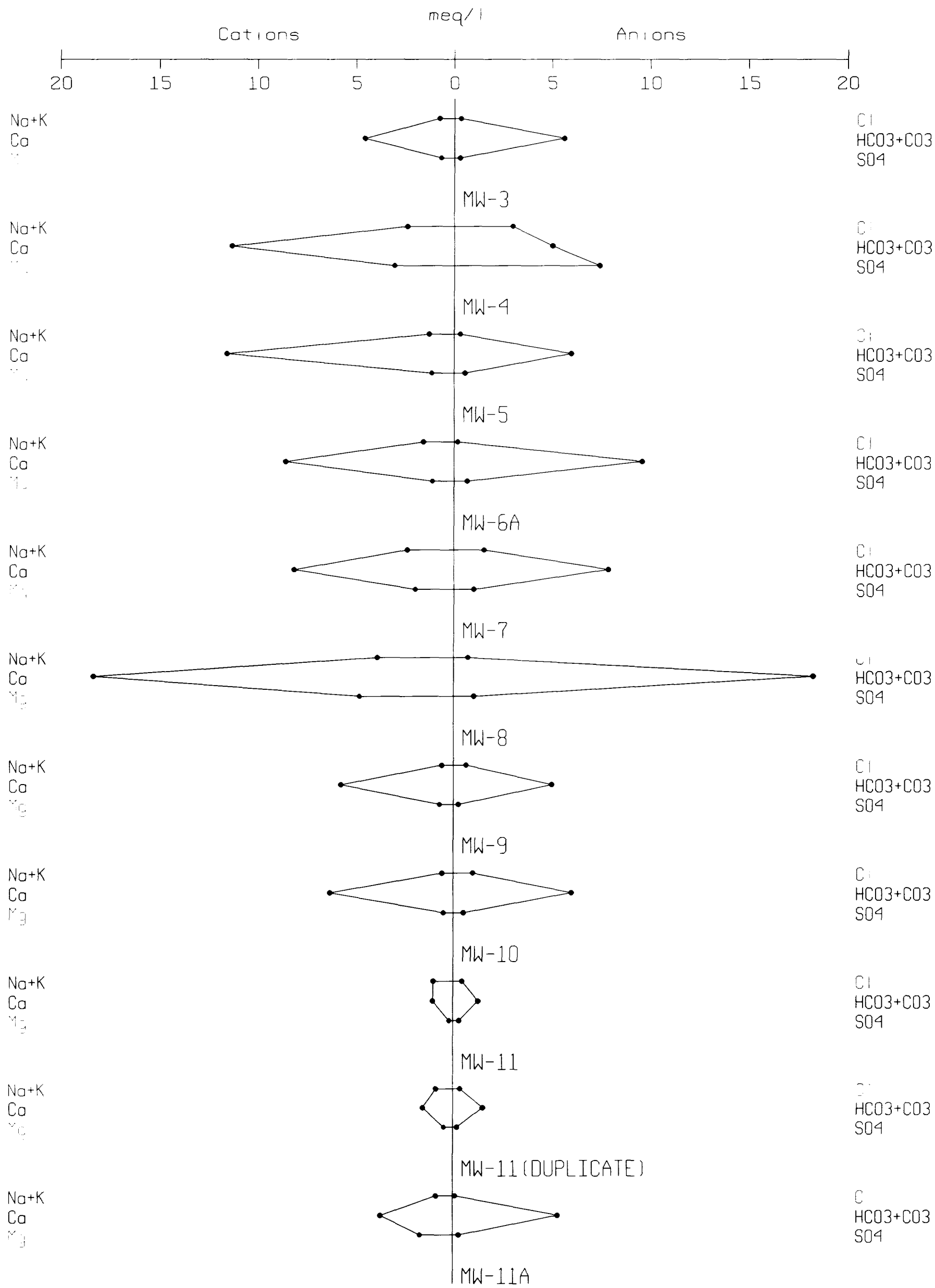
MEW Site File
Break3_009680



NOTES:	DRAWN BY: KDM	APPROVED BY: RT	KOMEX ENVIRONMENT AND WATER RESOURCES	CLIENT: MEW TRUST FUND DONORS
	DATE: 7/26/00	DATE: 11/18/00	PREPARED SOLELY FOR THE USE OF OUR CLIENT AND NO REPRESENTATION OF ANY KIND IS MADE TO OTHER PARTIES WITH WHICH KOMEX HAS NOT ENTERED INTO A CONTRACT.	PROJECT/SITE: MISSOURI ELECTRIC WORKS (MEW) CAPE GIRARDEAU, MO
	EDITED BY: KDM	SCALE: -		TITLE: STIFF DIAGRAMS
	DATE: 10/18/00			FILENAME: FIGURE_6.CDR — FIGURE No: 6

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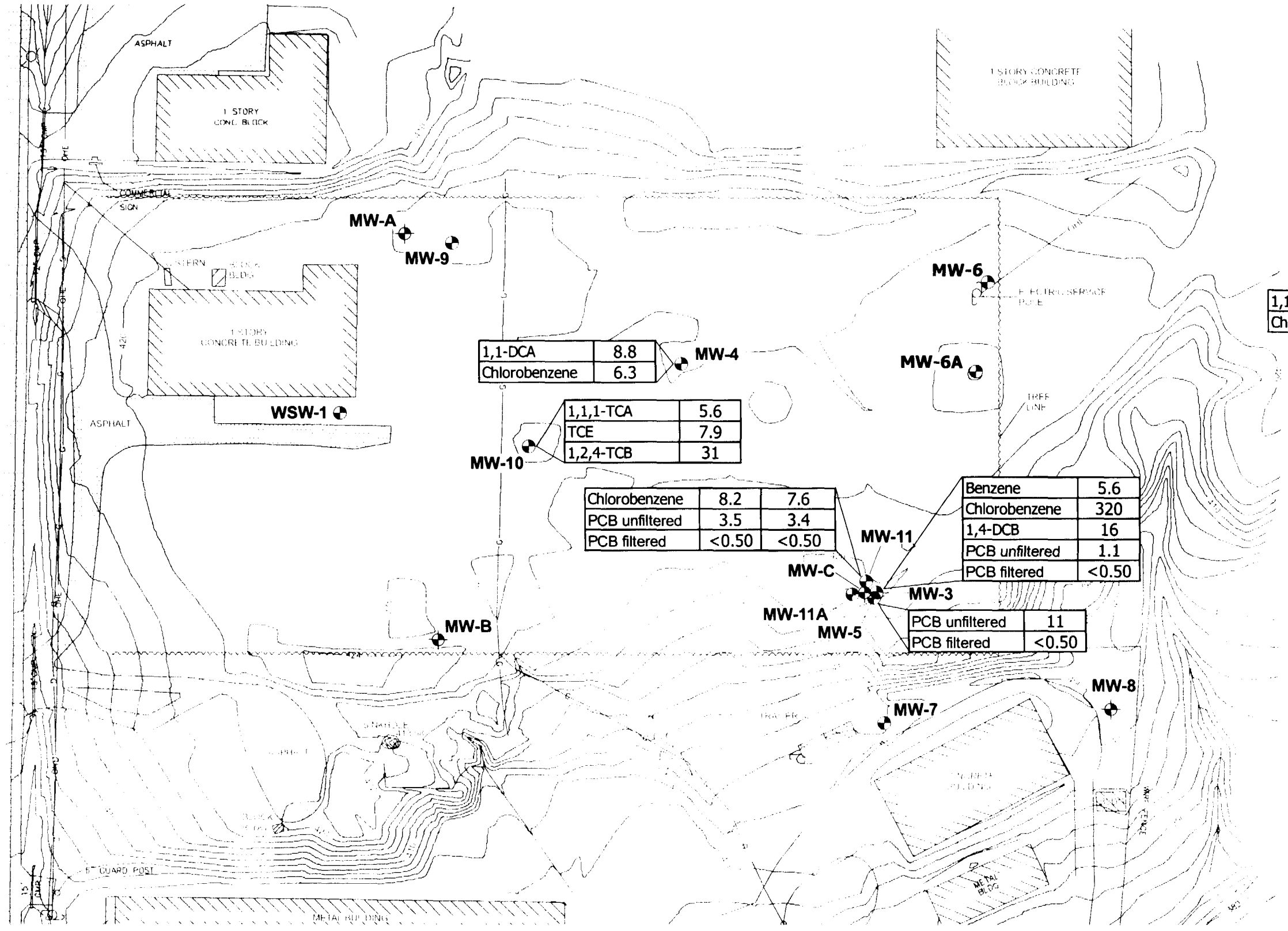

LEGEND:

MONITORING WELL

ABANDONED WELL

SUBSURFACE NATURAL GAS PIPELINE

ANALYTE

1,1-DCA	8.8
Chlorobenzene	6.3

CONCENTRATION IN MICROGRAMS PER LITER

<0.50 NOT DETECTED ABOVE SPECIFIED LABORATORY DETECTION LIMIT

NORTH

0 80 160

APPROXIMATE SCALE IN FEET

MEW Site File
Break3_009681

NOTES:
Wells were sampled July 24 to 26, 2001.
Only detected compounds are shown.
No compounds were detected in wells MW-6A, MW-7, MW-9, MW-11A and WSW-1.
MW-6 was not sampled due to insufficient water.

DRAWN BY: KDM	APPROVED BY:
DATE: 8/22/01	DATE:
EDITED BY: KDM	SCALE: 1" = 80'
DATE: 8/29/01	

KOMEX
ENVIRONMENT AND WATER RESOURCES

PREPARED SOLELY FOR THE USE OF OUR CLIENT AND NO REPRESENTATION OF ANY KIND IS MADE TO OTHER PARTIES WITH WHICH KOMEX HAS NOT ENTERED INTO A CONTRACT

CLIENT: MEW TRUST FUND DONORS

PROJECT/SITE: MISSOURI ELECTRIC WORKS (MEW) CAPE GIRARDEAU, MO

TITLE: ORGANIC COMPOUND CONCENTRATIONS IN GROUNDWATER - JULY 2001

FILENAME: FIGURE_247.CDR

FIGURE No: 7

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WATER LEVEL FIELD FORM

Environmental and Water Resources
5500 BOLSA AVENUE, SUITE 105
HUNTINGTON BWEACH, CA 92649
TEL.: (714) 379-1157
KOMEX

Project Name:	MEW	Date: July 24 2001	
Project No.:	93-01B	Time:	
Employee Name:	KDM/MLA	Page	of

TIME	WELL ID	DATUM ELEVATION	DEPTH TO WATER FROM TOP OF CASING	GROUNDWATER ELEVATION	COMMENTS
0842	MW-3	420.06	38.95	381.11	
0828	MW-4	422.78	41.62	381.16	
0846	MW-5	419.52	38.41	381.11	
0831	MW-6	424.11	28.41	395.70	
0835	MW-6A	424.22	43.18	381.04	
09:00	MW-7	403.76	22.77	380.99	
0820	MW-9	423.74	39.45	384.29	
0824	MW-10	422.78	40.71	382.07	
0859	MW-11	420.20	39.75	380.45	
0850	MW-11A	421.92	26.83	395.09	
8:17	WSW-1	N/A	36.21		

ADDITIONAL INFORMATION:

Depths are in feet.

Elevations are in feet above mean sea level.

MEW Site File
Break3_009682

MONITORING WELL SAMPLING FORM

Environmental and Water Resources
5500 BOLSA AVENUE, SUITE 105
HUNTINGTON BWEACH, CA 92649
TEL.: (714) 379-1157
KOMEX

Project Name:	**MEW**	**Date:** July 26 2001
Project No.:	**93-01B**	**Time:**
Employee Name:	**KDM/MLA**	**Page** of

Water Depth:	38.75	feet
Total depth:	41	feet
Water Column:	2.05	feet
Casing Volume:	0.328	gallons
Purge Volume:	0.984	gallons

WELL ID: **MW-3**

Note: 2" = 0.16 g/ft; 4" = 0.65 g/ft; and 6" = 1.5 g/ft

Well Purging Method: hand bail with disposable bailer

LOCATION SKETCH:

WELL PURGING AND RECOVERY ANALYSIS:

Time	W.L.	Purge Rate	Volume	Temp.	pH	Conduct.	Turbid.	D.O.	ORP	REMARKS
				°C		mS/cm	NTU			
0635			0	18.1	6.76	0.439	611	12.69		
			0.3	17.3	6.67	0.406	17	13.01		
			0.6	17.0	6.51	0.409	13	13.07		
0640			0.9	16.7	6.40	0.410	11	13.06		

SAMPLING INFORMATION:

Sample No.	Time	Sampling Method	Container	Analysis Required
MW-3	0645	disposable bailer	3 x 40 mL	VOCs - 8260B
			1 x 1-liter	SVOCs - 8270C
			2 x 1-liter	PCBs - 8082
			1 x 1-liter	extra

ADDITIONAL INFORMATION:

One sample will be analysed for PCBs unfiltered, if PCB is detected, a second sample will be filtered and analysed for PCBs.

MEW Site File
Break3_009683

MONITORING WELL SAMPLING FORM

Environmental and Water Resources
5500 BOLSA AVENUE, SUITE 105
HUNTINGTON BWEACH, CA 92649
TEL.: (714) 379-1157
KOMEX

Project Name:	MEW	**Date:** July 26 2001
Project No.:	93-01B	**Time:** 6:30
Employee Name:	KDM/MLA	**Page** of

Water Depth:	41.62	feet
Total depth:	58	feet
Water Column:	16.38	feet
Casing Volume:	2.62	gallons
Purge Volume:	7.86	gallons

WELL ID: **MW-4**

Note: 2" = 0.16 g/ft; 4" = 0.65 g/ft; and 6" = 1.5 g/ft

Well Purging Method: hand bail with disposable bailer

LOCATION SKETCH:

WELL PURGING AND RECOVERY ANALYSIS:

Time	W.L.	Purge Rate	Volume	Temp.	pH	Conduct.	Turbid.	D.O.	ORP	REMARKS
6:45			0	18.9	6.29	0.717	637	11.65		turbid
6:51			1	17.8	6.24	0.560	74	11.67		Clear
6:55			2	17.3	6.15	0.573	111	11.66		a little turbid
6:59			3	17.0	6.10	0.615	251	11.66		" " "
7:05			4	17.2	6.22	0.596	126	11.54		" " "
7:12			5	17.6	6.21	0.610	100	11.21		" " "
7:15			6	17.2	6.25	0.619	66	11.29		✓ Clear ✓
7:20			7	17.2	6.30	0.619	92	11.25		Clear
			~~8~~							

SAMPLING INFORMATION:

Sample No.	Time	Sampling Method	Container	Analysis Required
MW-4	7:25	disposable bailer	3 x 40 mL	VOCs - 8260B
			1 x 1-liter	SVOCs - 8270C
			2 x 1-liter	PCBs - 8082
			1 x 1-liter	extra

ADDITIONAL INFORMATION:

One sample will be analysed for PCBs unfiltered, if PCB is detected, a second sample will be filtered and analysed for PCBs.

MEW Site File
Break3_009684

MONITORING WELL SAMPLING FORM

Environmental and Water Resources
5500 BOLSA AVENUE, SUITE 105
HUNTINGTON BWEACH, CA 92649
TEL.: (714) 379-1157
KOMEX

Project Name:	**MEW**	**Date:** July 26 2001
Project No.:	**93-01B**	**Time:**
Employee Name:	**KDM/MLA**	**Page** of

Water Depth:	38.41	feet	**WELL ID:**
Total depth:	42	feet	
Water Column:	3.59	feet	**MW-5**
Casing Volume:	0.57	gallons	
Purge Volume:	1.72	gallons	

Note: 2" = 0.16 g/ft; 4" = 0.65 g/ft; and 6" = 1.5 g/ft

Well Purging Method: hand bail with disposable bailer

LOCATION SKETCH:

WELL PURGING AND RECOVERY ANALYSIS:

Time	W.L.	Purge Rate	Volume	Temp.	pH	Conduct.	Turbid.	D.O.	ORP	REMARKS
			gal.	°C		mS/cm		mg/L		
1235			0	18.4	6.57	0.415	36	12.17		
1240			0.6	17.3	6.37	0.413	118	12.8		
1242			1.2	17.1	6.29	0.431	395	12.9		
1243			1.5	17.0	6.27	0.422	>999	12.9		
1245			1.7	16.8	6.28	0.424	>999	12.9		

SAMPLING INFORMATION:

Sample No.	Time	Sampling Method	Container	Analysis Required
MW-5	1430	disposable bailer	3 x 40 mL	VOCs - 8260B
			1 x 1-liter	SVOCs - 8270C
			2 x 1-liter	PCBs - 8082
			1 x 1-liter	extra

ADDITIONAL INFORMATION:

One sample will be analysed for PCBs unfiltered, if PCB is detected, a second sample will be filtered and analysed for PCBs.

MEW Site File
Break3_009685

MONITORING WELL SAMPLING FORM

Environmental and Water Resources
5500 BOLSA AVENUE, SUITE 105
HUNTINGTON BWEACH, CA 92649
TEL.: (714) 379-1157
KOMEX

Project Name:	MEW	Date: July 25 2001	
Project No.:	93-01B	Time: 7:50	
Employee Name:	KDM/MLA	Page	of

Water Depth:	43.18	feet	WELL ID:
Total depth:	46	feet	MW-6A
Water Column:	2.82	feet	
Casing Volume:	0.45	gallons	
Purge Volume:	1.35	gallons	

Note: 2" = 0.16 g/ft; 4" = 0.65 g/ft; and 6" = 1.5 g/ft

Well Purging Method: hand bail with disposable bailer

LOCATION SKETCH:

WELL PURGING AND RECOVERY ANALYSIS:

Time	W.L.	Purge Rate	Volume	Temp.	pH	Conduct.	Turbid.	D.O.	ORP	REMARKS
8.00			0.3	17.1	6.47	0.649	434	11.83		turbid red clay
8 02			0.6	16.1	642	0 595	>999	12.28		"
8 05			1	16.6	6.50	0.604	>999	12.17		"
8 07			1.3	15.8	6.44	0.620	>999	12.41		"

SAMPLING INFORMATION:

Sample No.	Time	Sampling Method	Container	Analysis Required
MW-6A	8:20	disposable bailer	3 x 40 mL	VOCs - 8260B
			1 x 1-liter	SVOCs - 8270C
			2 x 1-liter	PCBs - 8082
			1 x 1-liter	extra

ADDITIONAL INFORMATION:

One sample will be analysed for PCBs unfiltered, if PCB is detected, a second sample will be filtered and analysed for PCBs.

MEW Site File
Break3_009686

MONITORING WELL SAMPLING FORM

Environmental and Water Resources
5500 BOLSA AVENUE, SUITE 105
HUNTINGTON BWEACH, CA 92649
TEL.: (714) 379-1157
KOMEX

Project Name:	**MEW**	**Date:** July 26 2001
Project No.:	**93-01B**	**Time:**
Employee Name:	**KDM/MLA**	**Page of**

Water Depth:	22.77	feet	**WELL ID:**
Total depth:	33	feet	**MW-7**
Water Column:	11	feet	
Casing Volume:	1.76	gallons	
Purge Volume:	5.28	gallons	

Note: 2" = 0.16 g/ft; 4" = 0.65 g/ft; and 6" = 1.5 g/ft

Well Purging Method: hand bail with disposable bailer

LOCATION SKETCH:

WELL PURGING AND RECOVERY ANALYSIS:

Time	W.L.	Purge Rate	Volume	Temp.	pH	Conduct.	Turbid.	D.O.	ORP	REMARKS
1310			0	18.0	6.32	.07	250	13.24		
1319			1	16.5	6.35	1.08	444	12.48		
1322			2	16.2	6.43	1.14	676	13.22		
1324			3	16.0	6.45	1.17	893	13.27		
1327			4	16.0	6.52	1.13	>999	13.43		
1332			5.28	16.2	6.55	1.22	>999	13.52		

SAMPLING INFORMATION:

Sample No.	Time	Sampling Method	Container	Analysis Required
MW 7	1510	disposable bailer	3 x 40 mL	VOCs - 8260B
			1 x 1-liter	SVOCs - 8270C
			2 x 1-liter	PCBs - 8082
			1 x 1-liter	extra

ADDITIONAL INFORMATION:

One sample will be analysed for PCBs unfiltered, if PCB is detected, a second sample will be filtered and analysed for PCBs.

MEW Site File
Break3_009687

MONITORING WELL SAMPLING FORM

Environmental and Water Resources
5500 BOLSA AVENUE, SUITE 105
HUNTINGTON BWEACH, CA 92649
TEL.: (714) 379-1157
KOMEX

Project Name:	MEW	Date: July 24 2001
Project No.:	93-01B	Time: 12:30
Employee Name:	KDM/MLA	Page of

Water Depth:	39.45	feet
Total depth:	48	feet
Water Column:	8.55	feet
Casing Volume:	1.37	gallons
Purge Volume:	4.10	gallons

WELL ID: **MW-9**

LOCATION SKETCH:

Note: 2" = 0.16 g/ft; 4" = 0.65 g/ft; and 6" = 1.5 g/ft

Well Purging Method: hand bail with disposable bailer

WELL PURGING AND RECOVERY ANALYSIS:

Time	W.L.	Purge Rate	Volume	Temp.	pH	Conduct.	Turbid.	D.O.	ORP	REMARKS
12:34			0	19.5	6.32	0.506	786	12.53		turbid wtr
12:41			1	18.3	6.54	0.300	149	12.89		Clear water
12:44			2	18.0	6.87	0.246	351	13.02		Clear
12:55			3	17.3	6.54	0.259	688	13.65		turbid
13:01			4	17.3	6.20	0.346	>999	13.14		turbid

SAMPLING INFORMATION:

Sample No.	Time	Sampling Method	Container	Analysis Required
MW9	1320	disposable bailer	3 x 40 mL	VOCs - 8260B
			1 x 1-liter	SVOCs - 8270C
			2 x 1-liter	PCBs - 8082
			1 x 1-liter	extra

ADDITIONAL INFORMATION:

One sample will be analysed for PCBs unfiltered, if PCB is detected, a second sample will be filtered and analysed for PCBs.

MEW Site File
Break3_009688

MONITORING WELL SAMPLING FORM

Environmental and Water Resources
5500 BOLSA AVENUE, SUITE 105
HUNTINGTON BWEACH, CA 92649
TEL.: (714) 379-1157
KOMEX

Project Name:	**MEW**	**Date:** July 24 2001
Project No.:	**93-01B**	**Time:** 13:50
Employee Name:	**KDM/MLA**	**Page** 1 **of** 1

Water Depth:	40.71 feet	**WELL ID:**
Total depth:	63 feet	
Water Column:	22.29 feet	**MW-10**
Casing Volume:	3.57 gallons	
Purge Volume:	10.70 gallons	

Note: 2" = 0.16 g/ft; 4" = 0.65 g/ft; and 6" = 1.5 g/ft .

Well Purging Method: hand bail with disposable bailer

LOCATION SKETCH:

WELL PURGING AND RECOVERY ANALYSIS:

Time	W.L.	Purge Rate	Volume	Temp.	pH	Conduct.	Turbid.	D.O.	ORP	REMARKS
13:57			0	19.8	6.36	0.716	204	12.13		Turbid, red.
14:06			2	18.2	6.28	0.671	72	13.45		Clear
14:15			4	18.5	6.16	0.773	51	12.63		"
14:29			6	18.8	6.40	0.782	112	12.31		"
14:30			8	18.6	6.43	0.779	192	13.02		a little turbid.
14:41			10	18.3	6.47	0.779	220	12.59		a " "

SAMPLING INFORMATION:

Sample No.	Time	Sampling Method	Container	Analysis Required
MW10	1520	disposable bailer	3 x 40 mL	VOCs - 8260B
			1 x 1-liter	SVOCs - 8270C
			2 x 1-liter	PCBs - 8082
			1 x 1-liter	extra

DDITIONAL INFORMATION:

ne sample will be analysed for PCBs unfiltered, if PCB is detected, a second sample will be filtered and analysed for PCBs.

MEW Site File
Break3_009689

MONITORING WELL SAMPLING FORM

Environmental and Water Resources
5500 BOLSA AVENUE, SUITE 105
HUNTINGTON BWEACH, CA 92649
TEL.: (714) 379-1157
KOMEX

Project Name:	MEW	Date: July 26 2001
Project No.:	93-01B	Time: 8 50
Employee Name:	KDM/MLA	Page of

Water Depth:	39.75	feet
Total depth:	120	feet
Water Column:	80.25	feet
Casing Volume:	12.84	gallons
Purge Volume:	38.52	gallons

Note: 2" = 0.16 g/ft; 4" = 0.65 g/ft; and 6" = 1.5 g/ft

WELL ID: MW-11

Well Purging Method: hand bail with disposable bailer

LOCATION SKETCH:

WELL PURGING AND RECOVERY ANALYSIS:

Time	W.L.	Purge Rate	Volume	Temp.	pH	Conduct.	Turbid.	D.O.	ORP	REMARKS
8:57			0	17.6	6.75	0.425	19	12.00		Clear
9:32			10	17.1	6.88	0.395	76	12.50		a little turbid
10:05			20	17.4	7.22	0.296	103	12.48		"
10:38			30	18.1	6.99	0.383	412	13.92		"
10:53			35	18.8	6.92	0.411	353	14.46		"
11:03			38	17.2	6.91	0.408	306	14.05		a little turbid

SAMPLING INFORMATION:

Sample No.	Time	Sampling Method	Container	Analysis Required
MW 11	1110	disposable bailer	3 x 40 mL	VOCs - 8260B
			1 x 1-liter	SVOCs - 8270C
			2 x 1-liter	PCBs - 8082
			1 x 1-liter	extra

ADDITIONAL INFORMATION:

One sample will be analysed for PCBs unfiltered, if PCB is detected, a second sample will be filtered and analysed for PCBs.

duplicate sample collected "MW11B"

MEW Site File
Break3_009690

MONITORING WELL SAMPLING FORM

Environmental and Water Resources
5500 BOLSA AVENUE, SUITE 105
HUNTINGTON BWEACH, CA 92649
TEL.: (714) 379-1157
KOMEX

Project Name:	**MEW**	**Date:**	July 26 2001
Project No.:	**93-01B**	**Time:**	24/25/26
Employee Name:	**KDM/MLA**	**Page**	of

Water Depth:	feet	**WELL ID:**	**LOCATION SKETCH:**
Total depth:	feet		
Water Column:	feet	**MW-11A**	
Casing Volume:	gallons		
Purge Volume:	gallons		

Note: 2" = 0.16 g/ft; 4" = 0.65 g/ft; and 6" = 1.5 g/ft

Well Purging Method: Grunfos pump and steel bailer/winch

WELL PURGING AND RECOVERY ANALYSIS:

Time	W.L.	Purge Rate	Volume	Temp.	pH	Conduct.	Turbid.	D.O.	ORP	REMARKS
		gpm	gall.	°C		mS/cm	NTU	mg/L		
1402		3 gpm	0.5	25.3	8.31	0.192	52	9.60		
1410		2 gpm	25	20.6	8.27	0.183	196	12.2		
1423		2 gpm	60	21.1	8.10	0.183	120	12.1		
1432		2 gpm	80	19.8	8.01	0.174	158	12.7		
1450		1 gpm	100	22.3	7.78	0.134	36	11.96		Stop pumping
0700			102	17.5	7.87	0.259	136	13.3		purge w/ bailer 3 vol
0745			140	17.4	8.23	0.189	260	12.7		
0834			150	17.3	7.81	0.193	190	13.6		
1010			210	18.4	7.57	0.234	38	13.7		
										1170 stop @ 230 gallons
July	26	2001								baled 15 gallons in am
1304			270	18.0	7.34	0.717	290	12.5		
1400			305	18.6	7.00	0.385	362	14.8		
1500			345	19.6	7.62	0.305	573	15.7		

SAMPLING INFORMATION:

Sample No.	Time	Sampling Method	Container	Analysis Required
~~1700~~	1700	disposable bailer	3 x 40 mL	VOCs - 8260B
MW11A			1 x 1-liter	SVOCs - 8270C
			2 x 1-liter	PCBs - 8082
			1 x 1-liter	extra

ADDITIONAL INFORMATION:

One sample will be analysed for PCBs unfiltered, if PCB is detected, a second sample will be filtered and analysed for PCBs.

MEW Site File
Break3_009691

MONITORING WELL SAMPLING FORM

Environmental and Water Resources
5500 BOLSA AVENUE, SUITE 105
HUNTINGTON BWEACH, CA 92649
TEL.: (714) 379-1157
KOMEX

Project Name:	**MEW**	**Date:** July 24 2001
Project No.:	**93-01B**	**Time:** 9:30
Employee Name:	**KDM/MLA**	**Page** of

Water Depth:	feet	**WELL ID:**
Total depth:	feet	
Water Column:	feet	**WSW-1**
Casing Volume:	gallons	
Purge Volume:	gallons	

Note: 2" = 0.16 g/ft; 4" = 0.65 g/ft; and 6" = 1.5 g/ft

Well Purging Method: Grunfos pump

LOCATION SKETCH:

WELL PURGING AND RECOVERY ANALYSIS:

Time	W.L.	Purge Rate	Volume	Temp.	pH	Conduct.	Turbid.	D.O.	ORP	REMARKS
9:30		3 gpm	0	21.6	6.04	0.477	41	10.23		has little rust particles
9:45			50	20.4	5.95	0.498	29	10.80		rust particles are less
10:01			100	19.6	5.88	0.510	13	11.15		" " " "
10:17			150	19.7	5.78	0.520	3	11.21		rust particles have stopped.
10:33			200	19.4	5.81	0.525	141	11.78		Clear
10:49			250	20.6	5.84	0.531	6	12.28		some rust particles
11:05			300	21.2	5.93	0.527	6	11.38		Clear
11:22			350	20.6	6.00	0.524	8	12.03		Clear.

SAMPLING INFORMATION:

Sample No.	Time	Sampling Method	Container	Analysis Required
WSW-1	1230	through pump	3 x 40 mL	VOCs - 8260B
			1 x 1-liter	SVOCs - 8270C
			2 x 1-liter	PCBs - 8082
			1 x 1-liter	extra

ADDITIONAL INFORMATION:

One sample will be analysed for PCBs unfiltered, if PCB is detected, a second sample will be filtered and analysed for PCBs.

MEW Site File
Break3_009692

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

July 31, 2001

Dean Mitchell
Komex.H2O Science, Inc.
5500 Bolsa Avenue
Suite 105
Huntington Beach, CA 92649
TEL: (714) 379-1157
FAX (714) 379-1160

RE: Ameren-MEW

Order No.: 0107558

Dear Dean Mitchell:

Analytical Environmental Servs, Inc. received 3 samples on 7/25/01 11:50:00 AM for the analyses presented in the following report.

No problems were encountered during analyses. Additionally, all results for the associated quality control samples were within EPA and/or AES established limits except where noted in the project Case Narrative.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

for Mehmet Yildirim
Laboratory Manager

MEW Site File
Break3_009693

RECEIVED
AUG 06 2001

3781 PRESIDENTIAL PARKWAY, SUITE 111 • ATLANTA, GEORGIA 30340 • TEL: (770) 457-8177 • FAX: (770) 457-8188

MEW Site File
Break3_009694

ANALYTICAL ENVIRONMENTAL SERVICES, INC. — CHAIN OF CUSTODY

3781 Presidential Parkway, Suite 111, Atlanta GA 30340-0370
TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

Work Order: 01C1355

Date: 24 July 01 Page 1 of 1

COMPANY: Komex
ADDRESS: 5500 Bolsa Ave #105, Huntington Beach CA 92649
PHONE: 714 379 457
FAX: 714 379 1160
SAMPLED BY: KD Mitchell
SIGNATURE: [signature]

ANALYSIS REQUESTED: 8270C, 8082, 8260B

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	8270C	8082	8260B	REMARKS	No # of Containers
	WSW-1	24 July 01	1230	X		GW	X	X	X		6
	EB-1	"	1250	X		W	X		X		3
	MW9	"	1320	X		GW	X		X	PCB analysis samples for MW9 are in separate cooler	4

PRESERVATION

RELINQUISHED BY / DATE/TIME
1: D Mitchell 24 July 01 1615
2:
3:

RECEIVED BY / DATE/TIME
1: FEDEX 24 JUL 01 1615
2: [signature] 7/24/01 1150
3:

PROJECT INFORMATION
PROJECT NAME: MEW
PROJECT #:
FAC ID#:
SITE ADDRESS:
PROJECT MANAGER: Dean Mitchell
INVOICE TO: (IF DIFFERENT FROM ABOVE)

RECEIPT
Total # of Containers: 13

Turnaround Time Request
- [x] Standard 3-5 Business Days
- [ ] Same Day Rush (auth req.)
- [ ] Next Business Day Rush
- [ ] 2 Business Day Rush
- [ ] Other ____

PROGRAM (see codes):
DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS: If PCB detected on unfiltered sample, then filter and analyze for PCB again

SHIPMENT METHOD
OUT VIA:
IN VIA:
CLIENT FEDEX UPS MAIL COURIER GREYHOUND OTHER ____

PO#:
QUOTE/CONTRACT #:

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) O = Other (specify)
PRESERVATIVE CODES: H = Hydrochloric acid + ice I = Ice only N = Nitric acid + ice S = Sulfuric acid + ice O = Other (specify) NA = None
PROGRAM: FLUST FLDC ALUST TNUST MSUST NCUST SCUST GAUST GACONV FLCONV

White Copy - ORIGINAL Yellow Copy - LAB; Pink Copy - CLIENT

Analytical Environmental Servs, Inc.

Date: *31-Jul-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107558
Project: Ameren-MEW
Lab ID: 0107558-001

Client Sample ID: WSW - 1
Collection Date: 7/24/01 12:30:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**				Analyst: **BDW**
Aroclor 1016	BRL	0.25		µg/L	1	7/27/01 4:27:00 PM
Aroclor 1221	BRL	0.25		µg/L	1	7/27/01 4:27:00 PM
Aroclor 1232	BRL	0.25		µg/L	1	7/27/01 4:27:00 PM
Aroclor 1242	BRL	0.25		µg/L	1	7/27/01 4:27:00 PM
Aroclor 1248	BRL	0.25		µg/L	1	7/27/01 4:27:00 PM
Aroclor 1254	BRL	0.25		µg/L	1	7/27/01 4:27:00 PM
Aroclor 1260	BRL	0.25		µg/L	1	7/27/01 4:27:00 PM
Surr: Decachlorobiphenyl	101	10-127		%REC	1	7/27/01 4:27:00 PM
Surr: Tetrachloro-m-xylene	56.7	10-144		%REC	1	7/27/01 4:27:00 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **NWH**
1,1,1-Trichloroethane	BRL	5.0		µg/L	1	7/28/01 5:54:00 AM
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/L	1	7/28/01 5:54:00 AM
1,1,2-Trichloroethane	BRL	5.0		µg/L	1	7/28/01 5:54:00 AM
1,1-Dichloroethane	BRL	5.0		µg/L	1	7/28/01 5:54:00 AM
1,1-Dichloroethene	BRL	5.0		µg/L	1	7/28/01 5:54:00 AM
1,2-Dichloroethane	BRL	5.0		µg/L	1	7/28/01 5:54:00 AM
1,2-Dichloropropane	BRL	5.0		µg/L	1	7/28/01 5:54:00 AM
2-Butanone	BRL	10		µg/L	1	7/28/01 5:54:00 AM
2-Hexanone	BRL	10		µg/L	1	7/28/01 5:54:00 AM
4-Methyl-2-pentanone	BRL	10		µg/L	1	7/28/01 5:54:00 AM
Acetone	BRL	5.0		µg/L	1	7/28/01 5:54:00 AM
Benzene	BRL	5.0		µg/L	1	7/28/01 5:54:00 AM
Bromodichloromethane	BRL	5.0		µg/L	1	7/28/01 5:54:00 AM
Bromoform	BRL	5.0		µg/L	1	7/28/01 5:54:00 AM
Bromomethane	BRL	5.0		µg/L	1	7/28/01 5:54:00 AM
Carbon disulfide	BRL	5.0		µg/L	1	7/28/01 5:54:00 AM
Carbon tetrachloride	BRL	5.0		µg/L	1	7/28/01 5:54:00 AM
Chlorobenzene	BRL	5.0		µg/L	1	7/28/01 5:54:00 AM
Chloroethane	BRL	5.0		µg/L	1	7/28/01 5:54:00 AM
Chloroform	BRL	5.0		µg/L	1	7/28/01 5:54:00 AM
Chloromethane	BRL	5.0		µg/L	1	7/28/01 5:54:00 AM
cis-1,3-Dichloropropene	BRL	5.0		µg/L	1	7/28/01 5:54:00 AM
Dibromochloromethane	BRL	5.0		µg/L	1	7/28/01 5:54:00 AM
Ethylbenzene	BRL	5.0		µg/L	1	7/28/01 5:54:00 AM
Methylene chloride	BRL	5.0		µg/L	1	7/28/01 5:54:00 AM
Styrene	BRL	5.0		µg/L	1	7/28/01 5:54:00 AM
Tetrachloroethene	BRL	5.0		µg/L	1	7/28/01 5:54:00 AM
Toluene	BRL	5.0		µg/L	1	7/28/01 5:54:00 AM
trans-1,3-Dichloropropene	BRL	5.0		µg/L	1	7/28/01 5:54:00 AM
Trichloroethene	BRL	5.0		µg/L	1	7/28/01 5:54:00 AM

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3_009695

Analytical Environmental Servs, Inc.

Date: *31-Jul-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107558
Project: Ameren-MEW
Lab ID: 0107558-001

Client Sample ID: WSW - 1
Collection Date: 7/24/01 12:30:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Vinyl chloride	BRL	5.0		µg/L	1	7/28/01 5:54:00 AM
1,2-Dichloroethene, Total	BRL	5.0		µg/L	1	7/28/01 5:54:00 AM
Xylenes, Total	BRL	5.0		µg/L	1	7/28/01 5:54:00 AM
Surr: 4-Bromofluorobenzene	92.9	73-111		%REC	1	7/28/01 5:54:00 AM
Surr: Dibromofluoromethane	96.8	86-120		%REC	1	7/28/01 5:54:00 AM
Surr: Toluene-d8	97.3	91-108		%REC	1	7/28/01 5:54:00 AM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**				Analyst: **JMZ**
1,2,4-Trichlorobenzene	BRL	10		µg/L	1	7/30/01 2:36:00 PM
1,2-Dichlorobenzene	BRL	10		µg/L	1	7/30/01 2:36:00 PM
1,3-Dichlorobenzene	BRL	10		µg/L	1	7/30/01 2:36:00 PM
1,4-Dichlorobenzene	BRL	10		µg/L	1	7/30/01 2:36:00 PM
2,4,5-Trichlorophenol	BRL	25		µg/L	1	7/30/01 2:36:00 PM
2,4,6-Trichlorophenol	BRL	10		µg/L	1	7/30/01 2:36:00 PM
2,4-Dichlorophenol	BRL	10		µg/L	1	7/30/01 2:36:00 PM
2,4-Dimethylphenol	BRL	10		µg/L	1	7/30/01 2:36:00 PM
2,4-Dinitrophenol	BRL	25		µg/L	1	7/30/01 2:36:00 PM
2,4-Dinitrotoluene	BRL	10		µg/L	1	7/30/01 2:36:00 PM
2,6-Dinitrotoluene	BRL	10		µg/L	1	7/30/01 2:36:00 PM
2-Chloronaphthalene	BRL	10		µg/L	1	7/30/01 2:36:00 PM
2-Chlorophenol	BRL	10		µg/L	1	7/30/01 2:36:00 PM
2-Methylnaphthalene	BRL	10		µg/L	1	7/30/01 2:36:00 PM
2-Methylphenol	BRL	10		µg/L	1	7/30/01 2:36:00 PM
2-Nitroaniline	BRL	25		µg/L	1	7/30/01 2:36:00 PM
2-Nitrophenol	BRL	10		µg/L	1	7/30/01 2:36:00 PM
3,3'-Dichlorobenzidine	BRL	10		µg/L	1	7/30/01 2:36:00 PM
3-Nitroaniline	BRL	25		µg/L	1	7/30/01 2:36:00 PM
4,6-Dinitro-2-methylphenol	BRL	25		µg/L	1	7/30/01 2:36:00 PM
4-Bromophenyl phenyl ether	BRL	10		µg/L	1	7/30/01 2:36:00 PM
4-Chloro-3-methylphenol	BRL	10		µg/L	1	7/30/01 2:36:00 PM
4-Chloroaniline	BRL	10		µg/L	1	7/30/01 2:36:00 PM
4-Chlorophenyl phenyl ether	BRL	10		µg/L	1	7/30/01 2:36:00 PM
4-Methylphenol	BRL	10		µg/L	1	7/30/01 2:36:00 PM
4-Nitroaniline	BRL	25		µg/L	1	7/30/01 2:36:00 PM
4-Nitrophenol	BRL	25		µg/L	1	7/30/01 2:36:00 PM
Acenaphthene	BRL	10		µg/L	1	7/30/01 2:36:00 PM
Acenaphthylene	BRL	10		µg/L	1	7/30/01 2:36:00 PM
Anthracene	BRL	10		µg/L	1	7/30/01 2:36:00 PM
Benz(a)anthracene	BRL	10		µg/L	1	7/30/01 2:36:00 PM
Benzo(a)pyrene	BRL	10		µg/L	1	7/30/01 2:36:00 PM
Benzo(b)fluoranthene	BRL	10		µg/L	1	7/30/01 2:36:00 PM
Benzo(g,h,i)perylene	BRL	10		µg/L	1	7/30/01 2:36:00 PM

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3_009696

Analytical Environmental Servs, Inc.

Date: *31-Jul-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107558
Project: Ameren-MEW
Lab ID: 0107558-001

Client Sample ID: WSW - 1
Collection Date: 7/24/01 12:30:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Benzo(k)fluoranthene	BRL	10		µg/L	1	7/30/01 2:36:00 PM
Bis(2-chloroethoxy)methane	BRL	10		µg/L	1	7/30/01 2:36:00 PM
Bis(2-chloroethyl)ether	BRL	10		µg/L	1	7/30/01 2:36:00 PM
Bis(2-chloroisopropyl)ether	BRL	10		µg/L	1	7/30/01 2:36:00 PM
Bis(2-ethylhexyl)phthalate	BRL	10		µg/L	1	7/30/01 2:36:00 PM
Butyl benzyl phthalate	BRL	10		µg/L	1	7/30/01 2:36:00 PM
Carbazole	BRL	10		µg/L	1	7/30/01 2:36:00 PM
Chrysene	BRL	10		µg/L	1	7/30/01 2:36:00 PM
Di-n-butyl phthalate	BRL	10		µg/L	1	7/30/01 2:36:00 PM
Di-n-octyl phthalate	BRL	10		µg/L	1	7/30/01 2:36:00 PM
Dibenz(a,h)anthracene	BRL	10		µg/L	1	7/30/01 2:36:00 PM
Dibenzofuran	BRL	10		µg/L	1	7/30/01 2:36:00 PM
Diethyl phthalate	BRL	10		µg/L	1	7/30/01 2:36:00 PM
Dimethyl phthalate	BRL	10		µg/L	1	7/30/01 2:36:00 PM
Fluoranthene	BRL	10		µg/L	1	7/30/01 2:36:00 PM
Fluorene	BRL	10		µg/L	1	7/30/01 2:36:00 PM
Hexachlorobenzene	BRL	10		µg/L	1	7/30/01 2:36:00 PM
Hexachlorobutadiene	BRL	10		µg/L	1	7/30/01 2:36:00 PM
Hexachlorocyclopentadiene	BRL	10		µg/L	1	7/30/01 2:36:00 PM
Hexachloroethane	BRL	10		µg/L	1	7/30/01 2:36:00 PM
Indeno(1,2,3-cd)pyrene	BRL	10		µg/L	1	7/30/01 2:36:00 PM
Isophorone	BRL	10		µg/L	1	7/30/01 2:36:00 PM
N-Nitrosodi-n-propylamine	BRL	10		µg/L	1	7/30/01 2:36:00 PM
N-Nitrosodiphenylamine	BRL	10		µg/L	1	7/30/01 2:36:00 PM
Naphthalene	BRL	10		µg/L	1	7/30/01 2:36:00 PM
Nitrobenzene	BRL	10		µg/L	1	7/30/01 2:36:00 PM
Pentachlorophenol	BRL	25		µg/L	1	7/30/01 2:36:00 PM
Phenanthrene	BRL	10		µg/L	1	7/30/01 2:36:00 PM
Phenol	BRL	10		µg/L	1	7/30/01 2:36:00 PM
Pyrene	BRL	10		µg/L	1	7/30/01 2:36:00 PM
Surr: 2,4,6-Tribromophenol	91.0	37-127		%REC	1	7/30/01 2:36:00 PM
Surr: 2-Fluorobiphenyl	61.1	43-110		%REC	1	7/30/01 2:36:00 PM
Surr: 2-Fluorophenol	41.6	13-100		%REC	1	7/30/01 2:36:00 PM
Surr: 4-Terphenyl-d14	82.0	10-121		%REC	1	7/30/01 2:36:00 PM
Surr: Nitrobenzene-d5	62.2	40-110		%REC	1	7/30/01 2:36:00 PM
Surr: Phenol-d5	65.7	10-121		%REC	1	7/30/01 2:36:00 PM

MEW Site File
Break3_009697

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Analytical Environmental Servs, Inc.

Date: *31-Jul-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107558
Project: Ameren-MEW
Lab ID: 0107558-002

Client Sample ID: EB - 1
Collection Date: 7/24/01 12:50:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **NWH**
1,1,1-Trichloroethane	BRL	5.0		µg/L	1	7/28/01 6:27:00 AM
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/L	1	7/28/01 6:27:00 AM
1,1,2-Trichloroethane	BRL	5.0		µg/L	1	7/28/01 6:27:00 AM
1,1-Dichloroethane	BRL	5.0		µg/L	1	7/28/01 6:27:00 AM
1,1-Dichloroethene	BRL	5.0		µg/L	1	7/28/01 6:27:00 AM
1,2-Dichloroethane	BRL	5.0		µg/L	1	7/28/01 6:27:00 AM
1,2-Dichloropropane	BRL	5.0		µg/L	1	7/28/01 6:27:00 AM
2-Butanone	BRL	10		µg/L	1	7/28/01 6:27:00 AM
2-Hexanone	BRL	10		µg/L	1	7/28/01 6:27:00 AM
4-Methyl-2-pentanone	BRL	10		µg/L	1	7/28/01 6:27:00 AM
Acetone	BRL	5.0		µg/L	1	7/28/01 6:27:00 AM
Benzene	BRL	5.0		µg/L	1	7/28/01 6:27:00 AM
Bromodichloromethane	BRL	5.0		µg/L	1	7/28/01 6:27:00 AM
Bromoform	BRL	5.0		µg/L	1	7/28/01 6:27:00 AM
Bromomethane	BRL	5.0		µg/L	1	7/28/01 6:27:00 AM
Carbon disulfide	BRL	5.0		µg/L	1	7/28/01 6:27:00 AM
Carbon tetrachloride	BRL	5.0		µg/L	1	7/28/01 6:27:00 AM
Chlorobenzene	BRL	5.0		µg/L	1	7/28/01 6:27:00 AM
Chloroethane	BRL	5.0		µg/L	1	7/28/01 6:27:00 AM
Chloroform	BRL	5.0		µg/L	1	7/28/01 6:27:00 AM
Chloromethane	BRL	5.0		µg/L	1	7/28/01 6:27:00 AM
cis-1,3-Dichloropropene	BRL	5.0		µg/L	1	7/28/01 6:27:00 AM
Dibromochloromethane	BRL	5.0		µg/L	1	7/28/01 6:27:00 AM
Ethylbenzene	BRL	5.0		µg/L	1	7/28/01 6:27:00 AM
Methylene chloride	BRL	5.0		µg/L	1	7/28/01 6:27:00 AM
Styrene	BRL	5.0		µg/L	1	7/28/01 6:27:00 AM
Tetrachloroethene	BRL	5.0		µg/L	1	7/28/01 6:27:00 AM
Toluene	BRL	5.0		µg/L	1	7/28/01 6:27:00 AM
trans-1,3-Dichloropropene	BRL	5.0		µg/L	1	7/28/01 6:27:00 AM
Trichloroethene	BRL	5.0		µg/L	1	7/28/01 6:27:00 AM
Vinyl chloride	BRL	5.0		µg/L	1	7/28/01 6:27:00 AM
1,2-Dichloroethene, Total	BRL	5.0		µg/L	1	7/28/01 6:27:00 AM
Xylenes, Total	BRL	5.0		µg/L	1	7/28/01 6:27:00 AM
Surr: 4-Bromofluorobenzene	96.1	73-111		%REC	1	7/28/01 6:27:00 AM
Surr: Dibromofluoromethane	96.9	86-120		%REC	1	7/28/01 6:27:00 AM
Surr: Toluene-d8	96.6	91-108		%REC	1	7/28/01 6:27:00 AM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**				Analyst: **JMZ**
1,2,4-Trichlorobenzene	BRL	10		µg/L	1	7/30/01 3:12:00 PM
1,2-Dichlorobenzene	BRL	10		µg/L	1	7/30/01 3:12:00 PM
1,3-Dichlorobenzene	BRL	10		µg/L	1	7/30/01 3:12:00 PM

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3_009698

Analytical Environmental Servs, Inc.

Date: *31-Jul-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107558
Project: Ameren-MEW
Lab ID: 0107558-002

Client Sample ID: EB - 1
Collection Date: 7/24/01 12:50:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1,4-Dichlorobenzene	BRL	10		µg/L	1	7/30/01 3:12:00 PM
2,4,5-Trichlorophenol	BRL	25		µg/L	1	7/30/01 3:12:00 PM
2,4,6-Trichlorophenol	BRL	10		µg/L	1	7/30/01 3:12:00 PM
2,4-Dichlorophenol	BRL	10		µg/L	1	7/30/01 3:12:00 PM
2,4-Dimethylphenol	BRL	10		µg/L	1	7/30/01 3:12:00 PM
2,4-Dinitrophenol	BRL	25		µg/L	1	7/30/01 3:12:00 PM
2,4-Dinitrotoluene	BRL	10		µg/L	1	7/30/01 3:12:00 PM
2,6-Dinitrotoluene	BRL	10		µg/L	1	7/30/01 3:12:00 PM
2-Chloronaphthalene	BRL	10		µg/L	1	7/30/01 3:12:00 PM
2-Chlorophenol	BRL	10		µg/L	1	7/30/01 3:12:00 PM
2-Methylnaphthalene	BRL	10		µg/L	1	7/30/01 3:12:00 PM
2-Methylphenol	BRL	10		µg/L	1	7/30/01 3:12:00 PM
2-Nitroaniline	BRL	25		µg/L	1	7/30/01 3:12:00 PM
2-Nitrophenol	BRL	10		µg/L	1	7/30/01 3:12:00 PM
3,3'-Dichlorobenzidine	BRL	10		µg/L	1	7/30/01 3:12:00 PM
3-Nitroaniline	BRL	25		µg/L	1	7/30/01 3:12:00 PM
4,6-Dinitro-2-methylphenol	BRL	25		µg/L	1	7/30/01 3:12:00 PM
4-Bromophenyl phenyl ether	BRL	10		µg/L	1	7/30/01 3:12:00 PM
4-Chloro-3-methylphenol	BRL	10		µg/L	1	7/30/01 3:12:00 PM
4-Chloroaniline	BRL	10		µg/L	1	7/30/01 3:12:00 PM
4-Chlorophenyl phenyl ether	BRL	10		µg/L	1	7/30/01 3:12:00 PM
4-Methylphenol	BRL	10		µg/L	1	7/30/01 3:12:00 PM
4-Nitroaniline	BRL	25		µg/L	1	7/30/01 3:12:00 PM
4-Nitrophenol	BRL	25		µg/L	1	7/30/01 3:12:00 PM
Acenaphthene	BRL	10		µg/L	1	7/30/01 3:12:00 PM
Acenaphthylene	BRL	10		µg/L	1	7/30/01 3:12:00 PM
Anthracene	BRL	10		µg/L	1	7/30/01 3:12:00 PM
Benz(a)anthracene	BRL	10		µg/L	1	7/30/01 3:12:00 PM
Benzo(a)pyrene	BRL	10		µg/L	1	7/30/01 3:12:00 PM
Benzo(b)fluoranthene	BRL	10		µg/L	1	7/30/01 3:12:00 PM
Benzo(g,h,i)perylene	BRL	10		µg/L	1	7/30/01 3:12:00 PM
Benzo(k)fluoranthene	BRL	10		µg/L	1	7/30/01 3:12:00 PM
Bis(2-chloroethoxy)methane	BRL	10		µg/L	1	7/30/01 3:12:00 PM
Bis(2-chloroethyl)ether	BRL	10		µg/L	1	7/30/01 3:12:00 PM
Bis(2-chloroisopropyl)ether	BRL	10		µg/L	1	7/30/01 3:12:00 PM
Bis(2-ethylhexyl)phthalate	BRL	10		µg/L	1	7/30/01 3:12:00 PM
Butyl benzyl phthalate	BRL	10		µg/L	1	7/30/01 3:12:00 PM
Carbazole	BRL	10		µg/L	1	7/30/01 3:12:00 PM
Chrysene	BRL	10		µg/L	1	7/30/01 3:12:00 PM
Di-n-butyl phthalate	BRL	10		µg/L	1	7/30/01 3:12:00 PM
Di-n-octyl phthalate	BRL	10		µg/L	1	7/30/01 3:12:00 PM
Dibenz(a,h)anthracene	BRL	10		µg/L	1	7/30/01 3:12:00 PM

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3_009699

Analytical Environmental Servs, Inc.

Date: *31-Jul-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107558
Project: Ameren-MEW
Lab ID: 0107558-002

Client Sample ID: EB - 1
Collection Date: 7/24/01 12:50:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Dibenzofuran	BRL	10		µg/L	1	7/30/01 3:12:00 PM
Diethyl phthalate	BRL	10		µg/L	1	7/30/01 3:12:00 PM
Dimethyl phthalate	BRL	10		µg/L	1	7/30/01 3:12:00 PM
Fluoranthene	BRL	10		µg/L	1	7/30/01 3:12:00 PM
Fluorene	BRL	10		µg/L	1	7/30/01 3:12:00 PM
Hexachlorobenzene	BRL	10		µg/L	1	7/30/01 3:12:00 PM
Hexachlorobutadiene	BRL	10		µg/L	1	7/30/01 3:12:00 PM
Hexachlorocyclopentadiene	BRL	10		µg/L	1	7/30/01 3:12:00 PM
Hexachloroethane	BRL	10		µg/L	1	7/30/01 3:12:00 PM
Indeno(1,2,3-cd)pyrene	BRL	10		µg/L	1	7/30/01 3:12:00 PM
Isophorone	BRL	10		µg/L	1	7/30/01 3:12:00 PM
N-Nitrosodi-n-propylamine	BRL	10		µg/L	1	7/30/01 3:12:00 PM
N-Nitrosodiphenylamine	BRL	10		µg/L	1	7/30/01 3:12:00 PM
Naphthalene	BRL	10		µg/L	1	7/30/01 3:12:00 PM
Nitrobenzene	BRL	10		µg/L	1	7/30/01 3:12:00 PM
Pentachlorophenol	BRL	25		µg/L	1	7/30/01 3:12:00 PM
Phenanthrene	BRL	10		µg/L	1	7/30/01 3:12:00 PM
Phenol	BRL	10		µg/L	1	7/30/01 3:12:00 PM
Pyrene	BRL	10		µg/L	1	7/30/01 3:12:00 PM
Surr: 2,4,6-Tribromophenol	85.7	37-127		%REC	1	7/30/01 3:12:00 PM
Surr: 2-Fluorobiphenyl	69.7	43-110		%REC	1	7/30/01 3:12:00 PM
Surr: 2-Fluorophenol	41.6	13-100		%REC	1	7/30/01 3:12:00 PM
Surr: 4-Terphenyl-d14	81.4	10-121		%REC	1	7/30/01 3:12:00 PM
Surr: Nitrobenzene-d5	65.2	40-110		%REC	1	7/30/01 3:12:00 PM
Surr: Phenol-d5	64.6	10-121		%REC	1	7/30/01 3:12:00 PM

Qualifiers:

BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3_009700

Analytical Environmental Servs, Inc.

Date: *31-Jul-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107558
Project: Ameren-MEW
Lab ID: 0107558-003

Client Sample ID: MW - 9
Collection Date: 7/24/01 1:20:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **NWH**
1,1,1-Trichloroethane	BRL	5.0		µg/L	1	7/28/01 7:01:00 AM
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/L	1	7/28/01 7:01:00 AM
1,1,2-Trichloroethane	BRL	5.0		µg/L	1	7/28/01 7:01:00 AM
1,1-Dichloroethane	BRL	5.0		µg/L	1	7/28/01 7:01:00 AM
1,1-Dichloroethene	BRL	5.0		µg/L	1	7/28/01 7:01:00 AM
1,2-Dichloroethane	BRL	5.0		µg/L	1	7/28/01 7:01:00 AM
1,2-Dichloropropane	BRL	5.0		µg/L	1	7/28/01 7:01:00 AM
2-Butanone	BRL	10		µg/L	1	7/28/01 7:01:00 AM
2-Hexanone	BRL	10		µg/L	1	7/28/01 7:01:00 AM
4-Methyl-2-pentanone	BRL	10		µg/L	1	7/28/01 7:01:00 AM
Acetone	BRL	5.0		µg/L	1	7/28/01 7:01:00 AM
Benzene	BRL	5.0		µg/L	1	7/28/01 7:01:00 AM
Bromodichloromethane	BRL	5.0		µg/L	1	7/28/01 7:01:00 AM
Bromoform	BRL	5.0		µg/L	1	7/28/01 7:01:00 AM
Bromomethane	BRL	5.0		µg/L	1	7/28/01 7:01:00 AM
Carbon disulfide	BRL	5.0		µg/L	1	7/28/01 7:01:00 AM
Carbon tetrachloride	BRL	5.0		µg/L	1	7/28/01 7:01:00 AM
Chlorobenzene	BRL	5.0		µg/L	1	7/28/01 7:01:00 AM
Chloroethane	BRL	5.0		µg/L	1	7/28/01 7:01:00 AM
Chloroform	BRL	5.0		µg/L	1	7/28/01 7:01:00 AM
Chloromethane	BRL	5.0		µg/L	1	7/28/01 7:01:00 AM
cis-1,3-Dichloropropene	BRL	5.0		µg/L	1	7/28/01 7:01:00 AM
Dibromochloromethane	BRL	5.0		µg/L	1	7/28/01 7:01:00 AM
Ethylbenzene	BRL	5.0		µg/L	1	7/28/01 7:01:00 AM
Methylene chloride	BRL	5.0		µg/L	1	7/28/01 7:01:00 AM
Styrene	BRL	5.0		µg/L	1	7/28/01 7:01:00 AM
Tetrachloroethene	BRL	5.0		µg/L	1	7/28/01 7:01:00 AM
Toluene	BRL	5.0		µg/L	1	7/28/01 7:01:00 AM
trans-1,3-Dichloropropene	BRL	5.0		µg/L	1	7/28/01 7:01:00 AM
Trichloroethene	BRL	5.0		µg/L	1	7/28/01 7:01:00 AM
Vinyl chloride	BRL	5.0		µg/L	1	7/28/01 7:01:00 AM
1,2-Dichloroethene, Total	BRL	5.0		µg/L	1	7/28/01 7:01:00 AM
Xylenes, Total	BRL	5.0		µg/L	1	7/28/01 7:01:00 AM
Surr: 4-Bromofluorobenzene	94.8	73-111		%REC	1	7/28/01 7:01:00 AM
Surr: Dibromofluoromethane	97.8	86-120		%REC	1	7/28/01 7:01:00 AM
Surr: Toluene-d8	98.2	91-108		%REC	1	7/28/01 7:01:00 AM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**				Analyst: **JMZ**
1,2,4-Trichlorobenzene	BRL	10		µg/L	1	7/30/01 3:47:00 PM
1,2-Dichlorobenzene	BRL	10		µg/L	1	7/30/01 3:47:00 PM
1,3-Dichlorobenzene	BRL	10		µg/L	1	7/30/01 3:47:00 PM

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3_009701

Analytical Environmental Servs, Inc.

Date: *31-Jul-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107558
Project: Ameren-MEW
Lab ID: 0107558-003

Client Sample ID: MW - 9
Collection Date: 7/24/01 1:20:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1,4-Dichlorobenzene	BRL	10		µg/L	1	7/30/01 3:47:00 PM
2,4,5-Trichlorophenol	BRL	25		µg/L	1	7/30/01 3:47:00 PM
2,4,6-Trichlorophenol	BRL	10		µg/L	1	7/30/01 3:47:00 PM
2,4-Dichlorophenol	BRL	10		µg/L	1	7/30/01 3:47:00 PM
2,4-Dimethylphenol	BRL	10		µg/L	1	7/30/01 3:47:00 PM
2,4-Dinitrophenol	BRL	25		µg/L	1	7/30/01 3:47:00 PM
2,4-Dinitrotoluene	BRL	10		µg/L	1	7/30/01 3:47:00 PM
2,6-Dinitrotoluene	BRL	10		µg/L	1	7/30/01 3:47:00 PM
2-Chloronaphthalene	BRL	10		µg/L	1	7/30/01 3:47:00 PM
2-Chlorophenol	BRL	10		µg/L	1	7/30/01 3:47:00 PM
2-Methylnaphthalene	BRL	10		µg/L	1	7/30/01 3:47:00 PM
2-Methylphenol	BRL	10		µg/L	1	7/30/01 3:47:00 PM
2-Nitroaniline	BRL	25		µg/L	1	7/30/01 3:47:00 PM
2-Nitrophenol	BRL	10		µg/L	1	7/30/01 3:47:00 PM
3,3'-Dichlorobenzidine	BRL	10		µg/L	1	7/30/01 3:47:00 PM
3-Nitroaniline	BRL	25		µg/L	1	7/30/01 3:47:00 PM
4,6-Dinitro-2-methylphenol	BRL	25		µg/L	1	7/30/01 3:47:00 PM
4-Bromophenyl phenyl ether	BRL	10		µg/L	1	7/30/01 3:47:00 PM
4-Chloro-3-methylphenol	BRL	10		µg/L	1	7/30/01 3:47:00 PM
4-Chloroaniline	BRL	10		µg/L	1	7/30/01 3:47:00 PM
4-Chlorophenyl phenyl ether	BRL	10		µg/L	1	7/30/01 3:47:00 PM
4-Methylphenol	BRL	10		µg/L	1	7/30/01 3:47:00 PM
4-Nitroaniline	BRL	25		µg/L	1	7/30/01 3:47:00 PM
4-Nitrophenol	BRL	25		µg/L	1	7/30/01 3:47:00 PM
Acenaphthene	BRL	10		µg/L	1	7/30/01 3:47:00 PM
Acenaphthylene	BRL	10		µg/L	1	7/30/01 3:47:00 PM
Anthracene	BRL	10		µg/L	1	7/30/01 3:47:00 PM
Benz(a)anthracene	BRL	10		µg/L	1	7/30/01 3:47:00 PM
Benzo(a)pyrene	BRL	10		µg/L	1	7/30/01 3:47:00 PM
Benzo(b)fluoranthene	BRL	10		µg/L	1	7/30/01 3:47:00 PM
Benzo(g,h,i)perylene	BRL	10		µg/L	1	7/30/01 3:47:00 PM
Benzo(k)fluoranthene	BRL	10		µg/L	1	7/30/01 3:47:00 PM
Bis(2-chloroethoxy)methane	BRL	10		µg/L	1	7/30/01 3:47:00 PM
Bis(2-chloroethyl)ether	BRL	10		µg/L	1	7/30/01 3:47:00 PM
Bis(2-chloroisopropyl)ether	BRL	10		µg/L	1	7/30/01 3:47:00 PM
Bis(2-ethylhexyl)phthalate	BRL	10		µg/L	1	7/30/01 3:47:00 PM
Butyl benzyl phthalate	BRL	10		µg/L	1	7/30/01 3:47:00 PM
Carbazole	BRL	10		µg/L	1	7/30/01 3:47:00 PM
Chrysene	BRL	10		µg/L	1	7/30/01 3:47:00 PM
Di-n-butyl phthalate	BRL	10		µg/L	1	7/30/01 3:47:00 PM
Di-n-octyl phthalate	BRL	10		µg/L	1	7/30/01 3:47:00 PM
Dibenz(a,h)anthracene	BRL	10		µg/L	1	7/30/01 3:47:00 PM

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3_009702

Analytical Environmental Servs, Inc.

Date: *31-Jul-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107558
Project: Ameren-MEW
Lab ID: 0107558-003

Client Sample ID: MW - 9
Collection Date: 7/24/01 1:20:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Dibenzofuran	BRL	10		µg/L	1	7/30/01 3:47:00 PM
Diethyl phthalate	BRL	10		µg/L	1	7/30/01 3:47:00 PM
Dimethyl phthalate	BRL	10		µg/L	1	7/30/01 3:47:00 PM
Fluoranthene	BRL	10		µg/L	1	7/30/01 3:47:00 PM
Fluorene	BRL	10		µg/L	1	7/30/01 3:47:00 PM
Hexachlorobenzene	BRL	10		µg/L	1	7/30/01 3:47:00 PM
Hexachlorobutadiene	BRL	10		µg/L	1	7/30/01 3:47:00 PM
Hexachlorocyclopentadiene	BRL	10		µg/L	1	7/30/01 3:47:00 PM
Hexachloroethane	BRL	10		µg/L	1	7/30/01 3:47:00 PM
Indeno(1,2,3-cd)pyrene	BRL	10		µg/L	1	7/30/01 3:47:00 PM
Isophorone	BRL	10		µg/L	1	7/30/01 3:47:00 PM
N-Nitrosodi-n-propylamine	BRL	10		µg/L	1	7/30/01 3:47:00 PM
N-Nitrosodiphenylamine	BRL	10		µg/L	1	7/30/01 3:47:00 PM
Naphthalene	BRL	10		µg/L	1	7/30/01 3:47:00 PM
Nitrobenzene	BRL	10		µg/L	1	7/30/01 3:47:00 PM
Pentachlorophenol	BRL	25		µg/L	1	7/30/01 3:47:00 PM
Phenanthrene	BRL	10		µg/L	1	7/30/01 3:47:00 PM
Phenol	BRL	10		µg/L	1	7/30/01 3:47:00 PM
Pyrene	BRL	10		µg/L	1	7/30/01 3:47:00 PM
Surr: 2,4,6-Tribromophenol	82.0	37-127		%REC	1	7/30/01 3:47:00 PM
Surr: 2-Fluorobiphenyl	66.1	43-110		%REC	1	7/30/01 3:47:00 PM
Surr: 2-Fluorophenol	38.6	13-100		%REC	1	7/30/01 3:47:00 PM
Surr: 4-Terphenyl-d14	79.3	10-121		%REC	1	7/30/01 3:47:00 PM
Surr: Nitrobenzene-d5	65.3	40-110		%REC	1	7/30/01 3:47:00 PM
Surr: Phenol-d5	61.0	10-121		%REC	1	7/30/01 3:47:00 PM

MEW Site File
Break3_009703

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Analytical Environmental Servs, Inc.

Sample Receipt Checklist

Client Name LOMEX

Date and Time Received 7/25/01 1150

Work Order Number 0107558

Received by TH

Checklist completed by [signature] 7/24/01 (Signature / Date)

Reviewed by [initials] 7/25/01 (Initials / Date)

Matrix:

Carrier name

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Presen ☐
Custody seals intact on shippping container/cooler?	Yes ☑	No ☐	Not Presen ☑ TH
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Presen ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☑ TH	Yes ☑	No ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	

Adjusted? _____ Checked b _____

Any No and/or NA (not applicable) response must be detailed in the comments section bel

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

MEW Site File
Break3_009704

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

August 01, 2001

Dean Mitchell
Komex.H2O Science, Inc.
5500 Bolsa Avenue
Suite 105
Huntington Beach, CA 92649
TEL: (714) 379-1157
FAX (714) 379-1160

RE: Ameren-MEW Order No.: 0107553

Dear Dean Mitchell:

Analytical Environmental Servs, Inc. received 3 samples on 7/25/01 10:50:00 AM for the analyses presented in the following report.

No problems were encountered during analyses. Additionally, all results for the associated quality control samples were within EPA and/or AES established limits except where noted in the project Case Narrative.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Mehmet Yildirim
Laboratory Manager

MEW Site File
Break3_009705

RECEIVED
AUG 06 2001

3781 PRESIDENTIAL PARKWAY, SUITE 111 • ATLANTA, GEORGIA 30340 • TEL: (770) 457-8177 • FAX: (770) 457-8188

MEW Site File
Break3_009706

ANALYTICAL ENVIRONMENTAL SERVICES, INC — CHAIN OF CUSTODY

Work Order: 0107553

3781 Presidential Parkway, Suite 111, Atlanta GA 30340-0370
TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

Date: 24 July 01 Page 1 of 1

COMPANY: Komex
ADDRESS: 5500 Bolsa Ave #105 Huntington Beach CA 92649
PHONE: 714-379-1157
FAX: 714-379-1160
SAMPLED BY: KDMitchell
SIGNATURE:

ANALYSIS REQUESTED

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	8270C	8260B	8082	REMARKS	No. # of Containers
						PRESERVATION					
	MW9	24 July 01	1320	✓		GW			X	-1	2
	MW10	"	1520	✓		GW	X	X	X	-2	6
	TB-1	"	1545	✓		W	X	X		-3	3

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: Dean Mitchell	24 July 01	1: FEDEX	1615
2:		2:	7/25/01 10:32 AM
3:		3:	

PROJECT INFORMATION
PROJECT NAME:
PROJECT #:
FAC ID#:
SITE ADDRESS:
PROJECT MANAGER:
INVOICE TO: (IF DIFFERENT FROM ABOVE)

RECEIPT
Total # of Containers

Turnaround Time Request
- (X) Standard 3-5 Business Days
- ( ) Same Day Rush (auth req.)
- ( ) Next Business Day Rush
- ( ) 2 Business Day Rush
- ( ) Other

PROGRAM (see codes):
DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:
if unfiltered sample has PCB, then filter and analyze for PCB again

PO#:

SHIPMENT METHOD
OUT VIA:
IN VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER

QUOTE/CONTRACT #:

MATRIX CODES: A – Air GW – Groundwater SE – Sediment SO – Soil SW – Surface Water W – Water (Blanks) O – Other (specify)

PRESERVATIVE CODES: H – Hydrochloric acid + ice I – Ice only N – Nitric acid + ice S – Sulfuric acid + ice O – Other (specify) NA – None

PROGRAM: FLUST FLDC ALUST DNUST MSUST NCUST SCUST GAUST GACONV FLCONV

White Copy - ORIGINAL; Yellow Copy - LAB; Pink Copy - CLIENT

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107553
Project: Ameren-MEW
Lab ID: 0107553-001

Client Sample ID: MW 9
Collection Date: 7/24/01 1:20:00 PM
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**				Analyst: **BDW**
Aroclor 1016	BRL	0.50		µg/L	1	7/27/01 3:41:00 PM
Aroclor 1221	BRL	0.50		µg/L	1	7/27/01 3:41:00 PM
Aroclor 1232	BRL	0.50		µg/L	1	7/27/01 3:41:00 PM
Aroclor 1242	BRL	0.50		µg/L	1	7/27/01 3:41:00 PM
Aroclor 1248	BRL	0.50		µg/L	1	7/27/01 3:41:00 PM
Aroclor 1254	BRL	0.50		µg/L	1	7/27/01 3:41:00 PM
Aroclor 1260	BRL	0.50		µg/L	1	7/27/01 3:41:00 PM
Surr: Decachlorobiphenyl	69.4	10-127		%REC	1	7/27/01 3:41:00 PM
Surr: Tetrachloro-m-xylene	46.9	10-144		%REC	1	7/27/01 3:41:00 PM

MEW Site File
Break3_009707

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107553
Project: Ameren-MEW
Lab ID: 0107553-002

Client Sample ID: MW 10
Collection Date: 7/24/01 3:20:00 PM
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**				Analyst: **BDW**
Aroclor 1016	BRL	0.50		µg/L	1	7/27/01 4:04:00 PM
Aroclor 1221	BRL	0.50		µg/L	1	7/27/01 4:04:00 PM
Aroclor 1232	BRL	0.50		µg/L	1	7/27/01 4:04:00 PM
Aroclor 1242	BRL	0.50		µg/L	1	7/27/01 4:04:00 PM
Aroclor 1248	BRL	0.50		µg/L	1	7/27/01 4:04:00 PM
Aroclor 1254	BRL	0.50		µg/L	1	7/27/01 4:04:00 PM
Aroclor 1260	BRL	0.50		µg/L	1	7/27/01 4:04:00 PM
Surr: Decachlorobiphenyl	61.6	10-127		%REC	1	7/27/01 4:04:00 PM
Surr: Tetrachloro-m-xylene	46.3	10-144		%REC	1	7/27/01 4:04:00 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **NWH**
1,1,1-Trichloroethane	5.6	5.0		µg/L	1	8/1/01 4:25:00 AM
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/L	1	8/1/01 4:25:00 AM
1,1,2-Trichloroethane	BRL	5.0		µg/L	1	8/1/01 4:25:00 AM
1,1-Dichloroethane	BRL	5.0		µg/L	1	8/1/01 4:25:00 AM
1,1-Dichloroethene	BRL	5.0		µg/L	1	8/1/01 4:25:00 AM
1,2-Dichloroethane	BRL	5.0		µg/L	1	8/1/01 4:25:00 AM
1,2-Dichloropropane	BRL	5.0		µg/L	1	8/1/01 4:25:00 AM
2-Butanone	BRL	10		µg/L	1	8/1/01 4:25:00 AM
2-Hexanone	BRL	10		µg/L	1	8/1/01 4:25:00 AM
4-Methyl-2-pentanone	BRL	10		µg/L	1	8/1/01 4:25:00 AM
Acetone	BRL	5.0		µg/L	1	8/1/01 4:25:00 AM
Benzene	BRL	5.0		µg/L	1	8/1/01 4:25:00 AM
Bromodichloromethane	BRL	5.0		µg/L	1	8/1/01 4:25:00 AM
Bromoform	BRL	5.0		µg/L	1	8/1/01 4:25:00 AM
Bromomethane	BRL	5.0		µg/L	1	8/1/01 4:25:00 AM
Carbon disulfide	BRL	5.0		µg/L	1	8/1/01 4:25:00 AM
Carbon tetrachloride	BRL	5.0		µg/L	1	8/1/01 4:25:00 AM
Chlorobenzene	BRL	5.0		µg/L	1	8/1/01 4:25:00 AM
Chloroethane	BRL	5.0		µg/L	1	8/1/01 4:25:00 AM
Chloroform	BRL	5.0		µg/L	1	8/1/01 4:25:00 AM
Chloromethane	BRL	5.0		µg/L	1	8/1/01 4:25:00 AM
cis-1,3-Dichloropropene	BRL	5.0		µg/L	1	8/1/01 4:25:00 AM
Dibromochloromethane	BRL	5.0		µg/L	1	8/1/01 4:25:00 AM
Ethylbenzene	BRL	5.0		µg/L	1	8/1/01 4:25:00 AM
Methylene chloride	BRL	5.0		µg/L	1	8/1/01 4:25:00 AM
Styrene	BRL	5.0		µg/L	1	8/1/01 4:25:00 AM
Tetrachloroethene	BRL	5.0		µg/L	1	8/1/01 4:25:00 AM
Toluene	BRL	5.0		µg/L	1	8/1/01 4:25:00 AM
trans-1,3-Dichloropropene	BRL	5.0		µg/L	1	8/1/01 4:25:00 AM
Trichloroethene	7.9	5.0		µg/L	1	8/1/01 4:25:00 AM

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3_009708

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107553
Project: Ameren-MEW
Lab ID: 0107553-002

Client Sample ID: MW 10
Collection Date: 7/24/01 3:20:00 PM
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Vinyl chloride	BRL	5.0		µg/L	1	8/1/01 4:25:00 AM
1,2-Dichloroethene, Total	BRL	5.0		µg/L	1	8/1/01 4:25:00 AM
Xylenes, Total	BRL	5.0		µg/L	1	8/1/01 4:25:00 AM
Surr: 4-Bromofluorobenzene	94.0	73-111		%REC	1	8/1/01 4:25:00 AM
Surr: Dibromofluoromethane	99.4	86-120		%REC	1	8/1/01 4:25:00 AM
Surr: Toluene-d8	99.5	91-108		%REC	1	8/1/01 4:25:00 AM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**				Analyst: **JMZ**
1,2,4-Trichlorobenzene	31	10		µg/L	1	7/30/01 7:22:00 PM
1,2-Dichlorobenzene	BRL	10		µg/L	1	7/30/01 7:22:00 PM
1,3-Dichlorobenzene	BRL	10		µg/L	1	7/30/01 7:22:00 PM
1,4-Dichlorobenzene	BRL	10		µg/L	1	7/30/01 7:22:00 PM
2,4,5-Trichlorophenol	BRL	25		µg/L	1	7/30/01 7:22:00 PM
2,4,6-Trichlorophenol	BRL	10		µg/L	1	7/30/01 7:22:00 PM
2,4-Dichlorophenol	BRL	10		µg/L	1	7/30/01 7:22:00 PM
2,4-Dimethylphenol	BRL	10		µg/L	1	7/30/01 7:22:00 PM
2,4-Dinitrophenol	BRL	25		µg/L	1	7/30/01 7:22:00 PM
2,4-Dinitrotoluene	BRL	10		µg/L	1	7/30/01 7:22:00 PM
2,6-Dinitrotoluene	BRL	10		µg/L	1	7/30/01 7:22:00 PM
2-Chloronaphthalene	BRL	10		µg/L	1	7/30/01 7:22:00 PM
2-Chlorophenol	BRL	10		µg/L	1	7/30/01 7:22:00 PM
2-Methylnaphthalene	BRL	10		µg/L	1	7/30/01 7:22:00 PM
2-Methylphenol	BRL	10		µg/L	1	7/30/01 7:22:00 PM
2-Nitroaniline	BRL	25		µg/L	1	7/30/01 7:22:00 PM
2-Nitrophenol	BRL	10		µg/L	1	7/30/01 7:22:00 PM
3,3'-Dichlorobenzidine	BRL	10		µg/L	1	7/30/01 7:22:00 PM
3-Nitroaniline	BRL	25		µg/L	1	7/30/01 7:22:00 PM
4,6-Dinitro-2-methylphenol	BRL	25		µg/L	1	7/30/01 7:22:00 PM
4-Bromophenyl phenyl ether	BRL	10		µg/L	1	7/30/01 7:22:00 PM
4-Chloro-3-methylphenol	BRL	10		µg/L	1	7/30/01 7:22:00 PM
4-Chloroaniline	BRL	10		µg/L	1	7/30/01 7:22:00 PM
4-Chlorophenyl phenyl ether	BRL	10		µg/L	1	7/30/01 7:22:00 PM
4-Methylphenol	BRL	10		µg/L	1	7/30/01 7:22:00 PM
4-Nitroaniline	BRL	25		µg/L	1	7/30/01 7:22:00 PM
4-Nitrophenol	BRL	25		µg/L	1	7/30/01 7:22:00 PM
Acenaphthene	BRL	10		µg/L	1	7/30/01 7:22:00 PM
Acenaphthylene	BRL	10		µg/L	1	7/30/01 7:22:00 PM
Anthracene	BRL	10		µg/L	1	7/30/01 7:22:00 PM
Benz(a)anthracene	BRL	10		µg/L	1	7/30/01 7:22:00 PM
Benzo(a)pyrene	BRL	10		µg/L	1	7/30/01 7:22:00 PM
Benzo(b)fluoranthene	BRL	10		µg/L	1	7/30/01 7:22:00 PM
Benzo(g,h,i)perylene	BRL	10		µg/L	1	7/30/01 7:22:00 PM

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3_009709

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107553
Project: Ameren-MEW
Lab ID: 0107553-002

Client Sample ID: MW 10
Collection Date: 7/24/01 3:20:00 PM
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Benzo(k)fluoranthene	BRL	10		µg/L	1	7/30/01 7:22:00 PM
Bis(2-chloroethoxy)methane	BRL	10		µg/L	1	7/30/01 7:22:00 PM
Bis(2-chloroethyl)ether	BRL	10		µg/L	1	7/30/01 7:22:00 PM
Bis(2-chloroisopropyl)ether	BRL	10		µg/L	1	7/30/01 7:22:00 PM
Bis(2-ethylhexyl)phthalate	BRL	10		µg/L	1	7/30/01 7:22:00 PM
Butyl benzyl phthalate	BRL	10		µg/L	1	7/30/01 7:22:00 PM
Carbazole	BRL	10		µg/L	1	7/30/01 7:22:00 PM
Chrysene	BRL	10		µg/L	1	7/30/01 7:22:00 PM
Di-n-butyl phthalate	BRL	10		µg/L	1	7/30/01 7:22:00 PM
Di-n-octyl phthalate	BRL	10		µg/L	1	7/30/01 7:22:00 PM
Dibenz(a,h)anthracene	BRL	10		µg/L	1	7/30/01 7:22:00 PM
Dibenzofuran	BRL	10		µg/L	1	7/30/01 7:22:00 PM
Diethyl phthalate	BRL	10		µg/L	1	7/30/01 7:22:00 PM
Dimethyl phthalate	BRL	10		µg/L	1	7/30/01 7:22:00 PM
Fluoranthene	BRL	10		µg/L	1	7/30/01 7:22:00 PM
Fluorene	BRL	10		µg/L	1	7/30/01 7:22:00 PM
Hexachlorobenzene	BRL	10		µg/L	1	7/30/01 7:22:00 PM
Hexachlorobutadiene	BRL	10		µg/L	1	7/30/01 7:22:00 PM
Hexachlorocyclopentadiene	BRL	10		µg/L	1	7/30/01 7:22:00 PM
Hexachloroethane	BRL	10		µg/L	1	7/30/01 7:22:00 PM
Indeno(1,2,3-cd)pyrene	BRL	10		µg/L	1	7/30/01 7:22:00 PM
Isophorone	BRL	10		µg/L	1	7/30/01 7:22:00 PM
N-Nitrosodi-n-propylamine	BRL	10		µg/L	1	7/30/01 7:22:00 PM
N-Nitrosodiphenylamine	BRL	10		µg/L	1	7/30/01 7:22:00 PM
Naphthalene	BRL	10		µg/L	1	7/30/01 7:22:00 PM
Nitrobenzene	BRL	10		µg/L	1	7/30/01 7:22:00 PM
Pentachlorophenol	BRL	25		µg/L	1	7/30/01 7:22:00 PM
Phenanthrene	BRL	10		µg/L	1	7/30/01 7:22:00 PM
Phenol	BRL	10		µg/L	1	7/30/01 7:22:00 PM
Pyrene	BRL	10		µg/L	1	7/30/01 7:22:00 PM
Surr: 2,4,6-Tribromophenol	98.9	37-127		%REC	1	7/30/01 7:22:00 PM
Surr: 2-Fluorobiphenyl	75.9	43-110		%REC	1	7/30/01 7:22:00 PM
Surr: 2-Fluorophenol	12.8	13-100	S	%REC	1	7/30/01 7:22:00 PM
Surr: 4-Terphenyl-d14	83.7	10-121		%REC	1	7/30/01 7:22:00 PM
Surr: Nitrobenzene-d5	79.0	40-110		%REC	1	7/30/01 7:22:00 PM
Surr: Phenol-d5	70.0	10-121		%REC	1	7/30/01 7:22:00 PM

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3_009710

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107553
Project: Ameren-MEW
Lab ID: 0107553-003

Client Sample ID: TB-1
Collection Date: 7/24/01 3:45:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **NWH**
1,1,1-Trichloroethane	BRL	5.0		µg/L	1	8/1/01 4:59:00 AM
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/L	1	8/1/01 4:59:00 AM
1,1,2-Trichloroethane	BRL	5.0		µg/L	1	8/1/01 4:59:00 AM
1,1-Dichloroethane	BRL	5.0		µg/L	1	8/1/01 4:59:00 AM
1,1-Dichloroethene	BRL	5.0		µg/L	1	8/1/01 4:59:00 AM
1,2-Dichloroethane	BRL	5.0		µg/L	1	8/1/01 4:59:00 AM
1,2-Dichloropropane	BRL	5.0		µg/L	1	8/1/01 4:59:00 AM
2-Butanone	BRL	10		µg/L	1	8/1/01 4:59:00 AM
2-Hexanone	BRL	10		µg/L	1	8/1/01 4:59:00 AM
4-Methyl-2-pentanone	BRL	10		µg/L	1	8/1/01 4:59:00 AM
Acetone	BRL	5.0		µg/L	1	8/1/01 4:59:00 AM
Benzene	BRL	5.0		µg/L	1	8/1/01 4:59:00 AM
Bromodichloromethane	BRL	5.0		µg/L	1	8/1/01 4:59:00 AM
Bromoform	BRL	5.0		µg/L	1	8/1/01 4:59:00 AM
Bromomethane	BRL	5.0		µg/L	1	8/1/01 4:59:00 AM
Carbon disulfide	BRL	5.0		µg/L	1	8/1/01 4:59:00 AM
Carbon tetrachloride	BRL	5.0		µg/L	1	8/1/01 4:59:00 AM
Chlorobenzene	BRL	5.0		µg/L	1	8/1/01 4:59:00 AM
Chloroethane	BRL	5.0		µg/L	1	8/1/01 4:59:00 AM
Chloroform	BRL	5.0		µg/L	1	8/1/01 4:59:00 AM
Chloromethane	BRL	5.0		µg/L	1	8/1/01 4:59:00 AM
cis-1,3-Dichloropropene	BRL	5.0		µg/L	1	8/1/01 4:59:00 AM
Dibromochloromethane	BRL	5.0		µg/L	1	8/1/01 4:59:00 AM
Ethylbenzene	BRL	5.0		µg/L	1	8/1/01 4:59:00 AM
Methylene chloride	BRL	5.0		µg/L	1	8/1/01 4:59:00 AM
Styrene	BRL	5.0		µg/L	1	8/1/01 4:59:00 AM
Tetrachloroethene	BRL	5.0		µg/L	1	8/1/01 4:59:00 AM
Toluene	BRL	5.0		µg/L	1	8/1/01 4:59:00 AM
trans-1,3-Dichloropropene	BRL	5.0		µg/L	1	8/1/01 4:59:00 AM
Trichloroethene	BRL	5.0		µg/L	1	8/1/01 4:59:00 AM
Vinyl chloride	BRL	5.0		µg/L	1	8/1/01 4:59:00 AM
1,2-Dichloroethene, Total	BRL	5.0		µg/L	1	8/1/01 4:59:00 AM
Xylenes, Total	BRL	5.0		µg/L	1	8/1/01 4:59:00 AM
Surr: 4-Bromofluorobenzene	94.6	73-111		%REC	1	8/1/01 4:59:00 AM
Surr: Dibromofluoromethane	98.1	86-120		%REC	1	8/1/01 4:59:00 AM
Surr: Toluene-d8	98.8	91-108		%REC	1	8/1/01 4:59:00 AM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**				Analyst: **JMZ**
1,2,4-Trichlorobenzene	BRL	10		µg/L	1	7/30/01 7:57:00 PM
1,2-Dichlorobenzene	BRL	10		µg/L	1	7/30/01 7:57:00 PM
1,3-Dichlorobenzene	BRL	10		µg/L	1	7/30/01 7:57:00 PM

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3_009711

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107553
Project: Ameren-MEW
Lab ID: 0107553-003

Client Sample ID: TB-1
Collection Date: 7/24/01 3:45:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1,4-Dichlorobenzene	BRL	10		µg/L	1	7/30/01 7:57:00 PM
2,4,5-Trichlorophenol	BRL	25		µg/L	1	7/30/01 7:57:00 PM
2,4,6-Trichlorophenol	BRL	10		µg/L	1	7/30/01 7:57:00 PM
2,4-Dichlorophenol	BRL	10		µg/L	1	7/30/01 7:57:00 PM
2,4-Dimethylphenol	BRL	10		µg/L	1	7/30/01 7:57:00 PM
2,4-Dinitrophenol	BRL	25		µg/L	1	7/30/01 7:57:00 PM
2,4-Dinitrotoluene	BRL	10		µg/L	1	7/30/01 7:57:00 PM
2,6-Dinitrotoluene	BRL	10		µg/L	1	7/30/01 7:57:00 PM
2-Chloronaphthalene	BRL	10		µg/L	1	7/30/01 7:57:00 PM
2-Chlorophenol	BRL	10		µg/L	1	7/30/01 7:57:00 PM
2-Methylnaphthalene	BRL	10		µg/L	1	7/30/01 7:57:00 PM
2-Methylphenol	BRL	10		µg/L	1	7/30/01 7:57:00 PM
2-Nitroaniline	BRL	25		µg/L	1	7/30/01 7:57:00 PM
2-Nitrophenol	BRL	10		µg/L	1	7/30/01 7:57:00 PM
3,3'-Dichlorobenzidine	BRL	10		µg/L	1	7/30/01 7:57:00 PM
3-Nitroaniline	BRL	25		µg/L	1	7/30/01 7:57:00 PM
4,6-Dinitro-2-methylphenol	BRL	25		µg/L	1	7/30/01 7:57:00 PM
4-Bromophenyl phenyl ether	BRL	10		µg/L	1	7/30/01 7:57:00 PM
4-Chloro-3-methylphenol	BRL	10		µg/L	1	7/30/01 7:57:00 PM
4-Chloroaniline	BRL	10		µg/L	1	7/30/01 7:57:00 PM
4-Chlorophenyl phenyl ether	BRL	10		µg/L	1	7/30/01 7:57:00 PM
4-Methylphenol	BRL	10		µg/L	1	7/30/01 7:57:00 PM
4-Nitroaniline	BRL	25		µg/L	1	7/30/01 7:57:00 PM
4-Nitrophenol	BRL	25		µg/L	1	7/30/01 7:57:00 PM
Acenaphthene	BRL	10		µg/L	1	7/30/01 7:57:00 PM
Acenaphthylene	BRL	10		µg/L	1	7/30/01 7:57:00 PM
Anthracene	BRL	10		µg/L	1	7/30/01 7:57:00 PM
Benz(a)anthracene	BRL	10		µg/L	1	7/30/01 7:57:00 PM
Benzo(a)pyrene	BRL	10		µg/L	1	7/30/01 7:57:00 PM
Benzo(b)fluoranthene	BRL	10		µg/L	1	7/30/01 7:57:00 PM
Benzo(g,h,i)perylene	BRL	10		µg/L	1	7/30/01 7:57:00 PM
Benzo(k)fluoranthene	BRL	10		µg/L	1	7/30/01 7:57:00 PM
Bis(2-chloroethoxy)methane	BRL	10		µg/L	1	7/30/01 7:57:00 PM
Bis(2-chloroethyl)ether	BRL	10		µg/L	1	7/30/01 7:57:00 PM
Bis(2-chloroisopropyl)ether	BRL	10		µg/L	1	7/30/01 7:57:00 PM
Bis(2-ethylhexyl)phthalate	BRL	10		µg/L	1	7/30/01 7:57:00 PM
Butyl benzyl phthalate	BRL	10		µg/L	1	7/30/01 7:57:00 PM
Carbazole	BRL	10		µg/L	1	7/30/01 7:57:00 PM
Chrysene	BRL	10		µg/L	1	7/30/01 7:57:00 PM
Di-n-butyl phthalate	BRL	10		µg/L	1	7/30/01 7:57:00 PM
Di-n-octyl phthalate	BRL	10		µg/L	1	7/30/01 7:57:00 PM
Dibenz(a,h)anthracene	BRL	10		µg/L	1	7/30/01 7:57:00 PM

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3_009712

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107553
Project: Ameren-MEW
Lab ID: 0107553-003

Client Sample ID: TB-1
Collection Date: 7/24/01 3:45:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Dibenzofuran	BRL	10		µg/L	1	7/30/01 7:57:00 PM
Diethyl phthalate	BRL	10		µg/L	1	7/30/01 7:57:00 PM
Dimethyl phthalate	BRL	10		µg/L	1	7/30/01 7:57:00 PM
Fluoranthene	BRL	10		µg/L	1	7/30/01 7:57:00 PM
Fluorene	BRL	10		µg/L	1	7/30/01 7:57:00 PM
Hexachlorobenzene	BRL	10		µg/L	1	7/30/01 7:57:00 PM
Hexachlorobutadiene	BRL	10		µg/L	1	7/30/01 7:57:00 PM
Hexachlorocyclopentadiene	BRL	10		µg/L	1	7/30/01 7:57:00 PM
Hexachloroethane	BRL	10		µg/L	1	7/30/01 7:57:00 PM
Indeno(1,2,3-cd)pyrene	BRL	10		µg/L	1	7/30/01 7:57:00 PM
Isophorone	BRL	10		µg/L	1	7/30/01 7:57:00 PM
N-Nitrosodi-n-propylamine	BRL	10		µg/L	1	7/30/01 7:57:00 PM
N-Nitrosodiphenylamine	BRL	10		µg/L	1	7/30/01 7:57:00 PM
Naphthalene	BRL	10		µg/L	1	7/30/01 7:57:00 PM
Nitrobenzene	BRL	10		µg/L	1	7/30/01 7:57:00 PM
Pentachlorophenol	BRL	25		µg/L	1	7/30/01 7:57:00 PM
Phenanthrene	BRL	10		µg/L	1	7/30/01 7:57:00 PM
Phenol	BRL	10		µg/L	1	7/30/01 7:57:00 PM
Pyrene	BRL	10		µg/L	1	7/30/01 7:57:00 PM
Surr: 2,4,6-Tribromophenol	85.1	37-127		%REC	1	7/30/01 7:57:00 PM
Surr: 2-Fluorobiphenyl	61.5	43-110		%REC	1	7/30/01 7:57:00 PM
Surr: 2-Fluorophenol	39.0	13-100		%REC	1	7/30/01 7:57:00 PM
Surr: 4-Terphenyl-d14	78.8	10-121		%REC	1	7/30/01 7:57:00 PM
Surr: Nitrobenzene-d5	60.6	40-110		%REC	1	7/30/01 7:57:00 PM
Surr: Phenol-d5	61.7	10-121		%REC	1	7/30/01 7:57:00 PM

MEW Site File
Break3_009713

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Analytical Environmental Servs, Inc.

Sample Receipt Checklist

Client Name KOMEX

Date and Time Received 7/25/01 1050

Work Order Number 0107553

Received by TH

Checklist completed by [signature] 7/25/01 (Signature / Date)

Reviewed by DA 7/25/01 (Initials / Date)

Matrix:

Carrier name

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Presen ☐
Custody seals intact on shippping container/cooler?	Yes ☑	No ☐	Not Presen ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Presen ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	

Adjusted? _____ Checked b _____

Any No and/or NA (not applicable) response must be detailed in the comments section bel

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: MW9 LABEL HAS CAME OFF, BUT WAS WITH THE SET.

Corrective Action _____

MEW Site File
Break3_009714

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES

August 01, 2001

Dean Mitchell
Komex.H2O Science, Inc.
5500 Bolsa Avenue
Suite 105
Huntington Beach, CA 92649
TEL: (714) 379-1157
FAX (714) 379-1160

RE: Ameren-MEW Order No.: 0107595

Dear Dean Mitchell:

Analytical Environmental Servs, Inc. received 3 samples on 7/26/01 10:40:00 AM for the analyses presented in the following report.

No problems were encountered during analyses. Additionally, all results for the associated quality control samples were within EPA and/or AES established limits except where noted in the project Case Narrative.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Mehmet Yildirim
Laboratory Manager

MEW Site File
Break3_009715

RECEIVED
AUG 09 2001

3781 PRESIDENTIAL PARKWAY, SUITE 111 • ATLANTA, GEORGIA 30340 • TEL: (770) 457-8177 • FAX: (770) 457-8188

MEW Site File

Break3_009716

ANALYTICAL ENVIRONMENTAL SERVICES — CHAIN OF CUSTODY

Work Order: 0107595

3781 Presidential Parkway, Suite 111, Atlanta GA 30340-0370
TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

Date: July 25 '01 Page 1 of 1

COMPANY: Komex

ADDRESS: 5500 Bolsa Ave #105 Huntington Beach CA 92647

PHONE: 714 379 1157

FAX: 714 379 1160

SAMPLED BY: D. Mitchell

SIGNATURE: [signature]

ANALYSIS REQUESTED

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	8270C	8260B	8082	REMARKS	No # of Containers
	MW-4	25 July 01	0725	X		GW	X	X	X		6
	MW-6A	"	0820	X		GW	X	X	X		6
	TB-2	—	—	—		W	X	X			2

PRESERVATION

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: Dean Mitchell	25 July 01 1210	1: FedEx	25 July 01 1210
2:		2: [signature]	7/26/01 1040
3:		3:	

PROJECT INFORMATION

PROJECT NAME: MEW

PROJECT #: 9301B

FAC ID#:

SITE ADDRESS: Cape Girardeau

PROJECT MANAGER: Dean Mitchell

INVOICE TO: (IF DIFFERENT FROM ABOVE)

RECEIPT

Total # of Containers

Turnaround Time Request

- [x] Standard 3-5 Business Days
- [ ] Same Day Rush (auth req.)
- [ ] Next Business Day Rush
- [ ] 2 Business Day Rush
- [ ] Other _____

PROGRAM (see codes):

DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS: If PCB detected in unfiltered sample, then filter and analyze for PCBs again

SHIPMENT METHOD

OUT VIA:

IN VIA:

CLIENT FedEx UPS MAIL COURIER

GREYHOUND OTHER _____

PO#:

QUOTE/CONTRACT #:

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) O = Other (specify)

PRESERVATIVE CODES: H = Hydrochloric acid + ice I = Ice only N = Nitric acid + ice S = Sulfuric acid + ice O = Other (specify) NA = None

PR I FI FLDC UST I M NCU IST GAC FLCO White ORIGI ellow AB; H v - CI

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT:	Komex.H2O Science, Inc.	**Client Sample ID:**	MW - 4
Lab Order:	0107595	**Collection Date:**	7/25/01 7:25:00 AM
Project:	Ameren-MEW		
Lab ID:	0107595-001	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**				Analyst: **BDW**
Aroclor 1016	BRL	0.50		µg/L	1	7/27/01 4:51:00 PM
Aroclor 1221	BRL	0.50		µg/L	1	7/27/01 4:51:00 PM
Aroclor 1232	BRL	0.50		µg/L	1	7/27/01 4:51:00 PM
Aroclor 1242	BRL	0.50		µg/L	1	7/27/01 4:51:00 PM
Aroclor 1248	BRL	0.50		µg/L	1	7/27/01 4:51:00 PM
Aroclor 1254	BRL	0.50		µg/L	1	7/27/01 4:51:00 PM
Aroclor 1260	BRL	0.50		µg/L	1	7/27/01 4:51:00 PM
Surr: Decachlorobiphenyl	90.3	10-127		%REC	1	7/27/01 4:51:00 PM
Surr: Tetrachloro-m-xylene	38.8	10-144		%REC	1	7/27/01 4:51:00 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **NWH**
1,1,1-Trichloroethane	BRL	5.0		µg/L	1	8/1/01 5:32:00 AM
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/L	1	8/1/01 5:32:00 AM
1,1,2-Trichloroethane	BRL	5.0		µg/L	1	8/1/01 5:32:00 AM
1,1-Dichloroethane	8.8	5.0		µg/L	1	8/1/01 5:32:00 AM
1,1-Dichloroethene	BRL	5.0		µg/L	1	8/1/01 5:32:00 AM
1,2-Dichloroethane	BRL	5.0		µg/L	1	8/1/01 5:32:00 AM
1,2-Dichloropropane	BRL	5.0		µg/L	1	8/1/01 5:32:00 AM
2-Butanone	BRL	10		µg/L	1	8/1/01 5:32:00 AM
2-Hexanone	BRL	10		µg/L	1	8/1/01 5:32:00 AM
4-Methyl-2-pentanone	BRL	10		µg/L	1	8/1/01 5:32:00 AM
Acetone	BRL	5.0		µg/L	1	8/1/01 5:32:00 AM
Benzene	BRL	5.0		µg/L	1	8/1/01 5:32:00 AM
Bromodichloromethane	BRL	5.0		µg/L	1	8/1/01 5:32:00 AM
Bromoform	BRL	5.0		µg/L	1	8/1/01 5:32:00 AM
Bromomethane	BRL	5.0		µg/L	1	8/1/01 5:32:00 AM
Carbon disulfide	BRL	5.0		µg/L	1	8/1/01 5:32:00 AM
Carbon tetrachloride	BRL	5.0		µg/L	1	8/1/01 5:32:00 AM
Chlorobenzene	6.3	5.0		µg/L	1	8/1/01 5:32:00 AM
Chloroethane	BRL	5.0		µg/L	1	8/1/01 5:32:00 AM
Chloroform	BRL	5.0		µg/L	1	8/1/01 5:32:00 AM
Chloromethane	BRL	5.0		µg/L	1	8/1/01 5:32:00 AM
cis-1,3-Dichloropropene	BRL	5.0		µg/L	1	8/1/01 5:32:00 AM
Dibromochloromethane	BRL	5.0		µg/L	1	8/1/01 5:32:00 AM
Ethylbenzene	BRL	5.0		µg/L	1	8/1/01 5:32:00 AM
Methylene chloride	BRL	5.0		µg/L	1	8/1/01 5:32:00 AM
Styrene	BRL	5.0		µg/L	1	8/1/01 5:32:00 AM
Tetrachloroethene	BRL	5.0		µg/L	1	8/1/01 5:32:00 AM
Toluene	BRL	5.0		µg/L	1	8/1/01 5:32:00 AM
trans-1,3-Dichloropropene	BRL	5.0		µg/L	1	8/1/01 5:32:00 AM
Trichloroethene	BRL	5.0		µg/L	1	8/1/01 5:32:00 AM

Qualifiers:

BRL - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

MEW Site File
Break3_009717

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107595
Project: Ameren-MEW
Lab ID: 0107595-001

Client Sample ID: MW - 4
Collection Date: 7/25/01 7:25:00 AM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Vinyl chloride	BRL	5.0		µg/L	1	8/1/01 5:32:00 AM
1,2-Dichloroethene, Total	BRL	5.0		µg/L	1	8/1/01 5:32:00 AM
Xylenes, Total	BRL	5.0		µg/L	1	8/1/01 5:32:00 AM
Surr: 4-Bromofluorobenzene	94.0	73-111		%REC	1	8/1/01 5:32:00 AM
Surr: Dibromofluoromethane	98.9	86-120		%REC	1	8/1/01 5:32:00 AM
Surr: Toluene-d8	98.9	91-108		%REC	1	8/1/01 5:32:00 AM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**				Analyst: **JMZ**
1,2,4-Trichlorobenzene	BRL	10		µg/L	1	7/30/01 8:33:00 PM
1,2-Dichlorobenzene	BRL	10		µg/L	1	7/30/01 8:33:00 PM
1,3-Dichlorobenzene	BRL	10		µg/L	1	7/30/01 8:33:00 PM
1,4-Dichlorobenzene	BRL	10		µg/L	1	7/30/01 8:33:00 PM
2,4,5-Trichlorophenol	BRL	25		µg/L	1	7/30/01 8:33:00 PM
2,4,6-Trichlorophenol	BRL	10		µg/L	1	7/30/01 8:33:00 PM
2,4-Dichlorophenol	BRL	10		µg/L	1	7/30/01 8:33:00 PM
2,4-Dimethylphenol	BRL	10		µg/L	1	7/30/01 8:33:00 PM
2,4-Dinitrophenol	BRL	25		µg/L	1	7/30/01 8:33:00 PM
2,4-Dinitrotoluene	BRL	10		µg/L	1	7/30/01 8:33:00 PM
2,6-Dinitrotoluene	BRL	10		µg/L	1	7/30/01 8:33:00 PM
2-Chloronaphthalene	BRL	10		µg/L	1	7/30/01 8:33:00 PM
2-Chlorophenol	BRL	10		µg/L	1	7/30/01 8:33:00 PM
2-Methylnaphthalene	BRL	10		µg/L	1	7/30/01 8:33:00 PM
2-Methylphenol	BRL	10		µg/L	1	7/30/01 8:33:00 PM
2-Nitroaniline	BRL	25		µg/L	1	7/30/01 8:33:00 PM
2-Nitrophenol	BRL	10		µg/L	1	7/30/01 8:33:00 PM
3,3'-Dichlorobenzidine	BRL	10		µg/L	1	7/30/01 8:33:00 PM
3-Nitroaniline	BRL	25		µg/L	1	7/30/01 8:33:00 PM
4,6-Dinitro-2-methylphenol	BRL	25		µg/L	1	7/30/01 8:33:00 PM
4-Bromophenyl phenyl ether	BRL	10		µg/L	1	7/30/01 8:33:00 PM
4-Chloro-3-methylphenol	BRL	10		µg/L	1	7/30/01 8:33:00 PM
4-Chloroaniline	BRL	10		µg/L	1	7/30/01 8:33:00 PM
4-Chlorophenyl phenyl ether	BRL	10		µg/L	1	7/30/01 8:33:00 PM
4-Methylphenol	BRL	10		µg/L	1	7/30/01 8:33:00 PM
4-Nitroaniline	BRL	25		µg/L	1	7/30/01 8:33:00 PM
4-Nitrophenol	BRL	25		µg/L	1	7/30/01 8:33:00 PM
Acenaphthene	BRL	10		µg/L	1	7/30/01 8:33:00 PM
Acenaphthylene	BRL	10		µg/L	1	7/30/01 8:33:00 PM
Anthracene	BRL	10		µg/L	1	7/30/01 8:33:00 PM
Benz(a)anthracene	BRL	10		µg/L	1	7/30/01 8:33:00 PM
Benzo(a)pyrene	BRL	10		µg/L	1	7/30/01 8:33:00 PM
Benzo(b)fluoranthene	BRL	10		µg/L	1	7/30/01 8:33:00 PM
Benzo(g,h,i)perylene	BRL	10		µg/L	1	7/30/01 8:33:00 PM

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3_009718

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107595
Project: Ameren-MEW
Lab ID: 0107595-001

Client Sample ID: MW - 4
Collection Date: 7/25/01 7:25:00 AM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Benzo(k)fluoranthene	BRL	10		µg/L	1	7/30/01 8:33:00 PM
Bis(2-chloroethoxy)methane	BRL	10		µg/L	1	7/30/01 8:33:00 PM
Bis(2-chloroethyl)ether	BRL	10		µg/L	1	7/30/01 8:33:00 PM
Bis(2-chloroisopropyl)ether	BRL	10		µg/L	1	7/30/01 8:33:00 PM
Bis(2-ethylhexyl)phthalate	BRL	10		µg/L	1	7/30/01 8:33:00 PM
Butyl benzyl phthalate	BRL	10		µg/L	1	7/30/01 8:33:00 PM
Carbazole	BRL	10		µg/L	1	7/30/01 8:33:00 PM
Chrysene	BRL	10		µg/L	1	7/30/01 8:33:00 PM
Di-n-butyl phthalate	BRL	10		µg/L	1	7/30/01 8:33:00 PM
Di-n-octyl phthalate	BRL	10		µg/L	1	7/30/01 8:33:00 PM
Dibenz(a,h)anthracene	BRL	10		µg/L	1	7/30/01 8:33:00 PM
Dibenzofuran	BRL	10		µg/L	1	7/30/01 8:33:00 PM
Diethyl phthalate	BRL	10		µg/L	1	7/30/01 8:33:00 PM
Dimethyl phthalate	BRL	10		µg/L	1	7/30/01 8:33:00 PM
Fluoranthene	BRL	10		µg/L	1	7/30/01 8:33:00 PM
Fluorene	BRL	10		µg/L	1	7/30/01 8:33:00 PM
Hexachlorobenzene	BRL	10		µg/L	1	7/30/01 8:33:00 PM
Hexachlorobutadiene	BRL	10		µg/L	1	7/30/01 8:33:00 PM
Hexachlorocyclopentadiene	BRL	10		µg/L	1	7/30/01 8:33:00 PM
Hexachloroethane	BRL	10		µg/L	1	7/30/01 8:33:00 PM
Indeno(1,2,3-cd)pyrene	BRL	10		µg/L	1	7/30/01 8:33:00 PM
Isophorone	BRL	10		µg/L	1	7/30/01 8:33:00 PM
N-Nitrosodi-n-propylamine	BRL	10		µg/L	1	7/30/01 8:33:00 PM
N-Nitrosodiphenylamine	BRL	10		µg/L	1	7/30/01 8:33:00 PM
Naphthalene	BRL	10		µg/L	1	7/30/01 8:33:00 PM
Nitrobenzene	BRL	10		µg/L	1	7/30/01 8:33:00 PM
Pentachlorophenol	BRL	25		µg/L	1	7/30/01 8:33:00 PM
Phenanthrene	BRL	10		µg/L	1	7/30/01 8:33:00 PM
Phenol	BRL	10		µg/L	1	7/30/01 8:33:00 PM
Pyrene	BRL	10		µg/L	1	7/30/01 8:33:00 PM
Surr: 2,4,6-Tribromophenol	89.4	37-127		%REC	1	7/30/01 8:33:00 PM
Surr: 2-Fluorobiphenyl	73.1	43-110		%REC	1	7/30/01 8:33:00 PM
Surr: 2-Fluorophenol	23.0	13-100		%REC	1	7/30/01 8:33:00 PM
Surr: 4-Terphenyl-d14	78.3	10-121		%REC	1	7/30/01 8:33:00 PM
Surr: Nitrobenzene-d5	70.3	40-110		%REC	1	7/30/01 8:33:00 PM
Surr: Phenol-d5	19.5	10-121		%REC	1	7/30/01 8:33:00 PM

MEW Site File
Break3_009719

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107595
Project: Ameren-MEW
Lab ID: 0107595-002

Client Sample ID: MW - 6A
Collection Date: 7/25/01 8:20:00 AM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**				Analyst: **BDW**
Aroclor 1016	BRL	0.50		µg/L	1	7/27/01 5:14:00 PM
Aroclor 1221	BRL	0.50		µg/L	1	7/27/01 5:14:00 PM
Aroclor 1232	BRL	0.50		µg/L	1	7/27/01 5:14:00 PM
Aroclor 1242	BRL	0.50		µg/L	1	7/27/01 5:14:00 PM
Aroclor 1248	BRL	0.50		µg/L	1	7/27/01 5:14:00 PM
Aroclor 1254	BRL	0.50		µg/L	1	7/27/01 5:14:00 PM
Aroclor 1260	BRL	0.50		µg/L	1	7/27/01 5:14:00 PM
Surr: Decachlorobiphenyl	60.1	10-127		%REC	1	7/27/01 5:14:00 PM
Surr: Tetrachloro-m-xylene	37.0	10-144		%REC	1	7/27/01 5:14:00 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **NWH**
1,1,1-Trichloroethane	BRL	5.0		µg/L	1	8/1/01 6:06:00 AM
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/L	1	8/1/01 6:06:00 AM
1,1,2-Trichloroethane	BRL	5.0		µg/L	1	8/1/01 6:06:00 AM
1,1-Dichloroethane	BRL	5.0		µg/L	1	8/1/01 6:06:00 AM
1,1-Dichloroethene	BRL	5.0		µg/L	1	8/1/01 6:06:00 AM
1,2-Dichloroethane	BRL	5.0		µg/L	1	8/1/01 6:06:00 AM
1,2-Dichloropropane	BRL	5.0		µg/L	1	8/1/01 6:06:00 AM
2-Butanone	BRL	10		µg/L	1	8/1/01 6:06:00 AM
2-Hexanone	BRL	10		µg/L	1	8/1/01 6:06:00 AM
4-Methyl-2-pentanone	BRL	10		µg/L	1	8/1/01 6:06:00 AM
Acetone	BRL	5.0		µg/L	1	8/1/01 6:06:00 AM
Benzene	BRL	5.0		µg/L	1	8/1/01 6:06:00 AM
Bromodichloromethane	BRL	5.0		µg/L	1	8/1/01 6:06:00 AM
Bromoform	BRL	5.0		µg/L	1	8/1/01 6:06:00 AM
Bromomethane	BRL	5.0		µg/L	1	8/1/01 6:06:00 AM
Carbon disulfide	BRL	5.0		µg/L	1	8/1/01 6:06:00 AM
Carbon tetrachloride	BRL	5.0		µg/L	1	8/1/01 6:06:00 AM
Chlorobenzene	BRL	5.0		µg/L	1	8/1/01 6:06:00 AM
Chloroethane	BRL	5.0		µg/L	1	8/1/01 6:06:00 AM
Chloroform	BRL	5.0		µg/L	1	8/1/01 6:06:00 AM
Chloromethane	BRL	5.0		µg/L	1	8/1/01 6:06:00 AM
cis-1,3-Dichloropropene	BRL	5.0		µg/L	1	8/1/01 6:06:00 AM
Dibromochloromethane	BRL	5.0		µg/L	1	8/1/01 6:06:00 AM
Ethylbenzene	BRL	5.0		µg/L	1	8/1/01 6:06:00 AM
Methylene chloride	BRL	5.0		µg/L	1	8/1/01 6:06:00 AM
Styrene	BRL	5.0		µg/L	1	8/1/01 6:06:00 AM
Tetrachloroethene	BRL	5.0		µg/L	1	8/1/01 6:06:00 AM
Toluene	BRL	5.0		µg/L	1	8/1/01 6:06:00 AM
trans-1,3-Dichloropropene	BRL	5.0		µg/L	1	8/1/01 6:06:00 AM
Trichloroethene	BRL	5.0		µg/L	1	8/1/01 6:06:00 AM

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3_009720

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107595
Project: Ameren-MEW
Lab ID: 0107595-002

Client Sample ID: MW - 6A
Collection Date: 7/25/01 8:20:00 AM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Vinyl chloride	BRL	5.0		µg/L	1	8/1/01 6:06:00 AM
1,2-Dichloroethene, Total	BRL	5.0		µg/L	1	8/1/01 6:06:00 AM
Xylenes, Total	BRL	5.0		µg/L	1	8/1/01 6:06:00 AM
Surr: 4-Bromofluorobenzene	97.9	73-111		%REC	1	8/1/01 6:06:00 AM
Surr: Dibromofluoromethane	98.3	86-120		%REC	1	8/1/01 6:06:00 AM
Surr: Toluene-d8	97.7	91-108		%REC	1	8/1/01 6:06:00 AM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**				Analyst: **JMZ**
1,2,4-Trichlorobenzene	BRL	10		µg/L	1	7/30/01 9:07:00 PM
1,2-Dichlorobenzene	BRL	10		µg/L	1	7/30/01 9:07:00 PM
1,3-Dichlorobenzene	BRL	10		µg/L	1	7/30/01 9:07:00 PM
1,4-Dichlorobenzene	BRL	10		µg/L	1	7/30/01 9:07:00 PM
2,4,5-Trichlorophenol	BRL	25		µg/L	1	7/30/01 9:07:00 PM
2,4,6-Trichlorophenol	BRL	10		µg/L	1	7/30/01 9:07:00 PM
2,4-Dichlorophenol	BRL	10		µg/L	1	7/30/01 9:07:00 PM
2,4-Dimethylphenol	BRL	10		µg/L	1	7/30/01 9:07:00 PM
2,4-Dinitrophenol	BRL	25		µg/L	1	7/30/01 9:07:00 PM
2,4-Dinitrotoluene	BRL	10		µg/L	1	7/30/01 9:07:00 PM
2,6-Dinitrotoluene	BRL	10		µg/L	1	7/30/01 9:07:00 PM
2-Chloronaphthalene	BRL	10		µg/L	1	7/30/01 9:07:00 PM
2-Chlorophenol	BRL	10		µg/L	1	7/30/01 9:07:00 PM
2-Methylnaphthalene	BRL	10		µg/L	1	7/30/01 9:07:00 PM
2-Methylphenol	BRL	10		µg/L	1	7/30/01 9:07:00 PM
2-Nitroaniline	BRL	25		µg/L	1	7/30/01 9:07:00 PM
2-Nitrophenol	BRL	10		µg/L	1	7/30/01 9:07:00 PM
3,3'-Dichlorobenzidine	BRL	10		µg/L	1	7/30/01 9:07:00 PM
3-Nitroaniline	BRL	25		µg/L	1	7/30/01 9:07:00 PM
4,6-Dinitro-2-methylphenol	BRL	25		µg/L	1	7/30/01 9:07:00 PM
4-Bromophenyl phenyl ether	BRL	10		µg/L	1	7/30/01 9:07:00 PM
4-Chloro-3-methylphenol	BRL	10		µg/L	1	7/30/01 9:07:00 PM
4-Chloroaniline	BRL	10		µg/L	1	7/30/01 9:07:00 PM
4-Chlorophenyl phenyl ether	BRL	10		µg/L	1	7/30/01 9:07:00 PM
4-Methylphenol	BRL	10		µg/L	1	7/30/01 9:07:00 PM
4-Nitroaniline	BRL	25		µg/L	1	7/30/01 9:07:00 PM
4-Nitrophenol	BRL	25		µg/L	1	7/30/01 9:07:00 PM
Acenaphthene	BRL	10		µg/L	1	7/30/01 9:07:00 PM
Acenaphthylene	BRL	10		µg/L	1	7/30/01 9:07:00 PM
Anthracene	BRL	10		µg/L	1	7/30/01 9:07:00 PM
Benz(a)anthracene	BRL	10		µg/L	1	7/30/01 9:07:00 PM
Benzo(a)pyrene	BRL	10		µg/L	1	7/30/01 9:07:00 PM
Benzo(b)fluoranthene	BRL	10		µg/L	1	7/30/01 9:07:00 PM
Benzo(g,h,i)perylene	BRL	10		µg/L	1	7/30/01 9:07:00 PM

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3_009721

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107595
Project: Ameren-MEW
Lab ID: 0107595-002

Client Sample ID: MW - 6A
Collection Date: 7/25/01 8:20:00 AM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Benzo(k)fluoranthene	BRL	10		µg/L	1	7/30/01 9:07:00 PM
Bis(2-chloroethoxy)methane	BRL	10		µg/L	1	7/30/01 9:07:00 PM
Bis(2-chloroethyl)ether	BRL	10		µg/L	1	7/30/01 9:07:00 PM
Bis(2-chloroisopropyl)ether	BRL	10		µg/L	1	7/30/01 9:07:00 PM
Bis(2-ethylhexyl)phthalate	BRL	10		µg/L	1	7/30/01 9:07:00 PM
Butyl benzyl phthalate	BRL	10		µg/L	1	7/30/01 9:07:00 PM
Carbazole	BRL	10		µg/L	1	7/30/01 9:07:00 PM
Chrysene	BRL	10		µg/L	1	7/30/01 9:07:00 PM
Di-n-butyl phthalate	BRL	10		µg/L	1	7/30/01 9:07:00 PM
Di-n-octyl phthalate	BRL	10		µg/L	1	7/30/01 9:07:00 PM
Dibenz(a,h)anthracene	BRL	10		µg/L	1	7/30/01 9:07:00 PM
Dibenzofuran	BRL	10		µg/L	1	7/30/01 9:07:00 PM
Diethyl phthalate	BRL	10		µg/L	1	7/30/01 9:07:00 PM
Dimethyl phthalate	BRL	10		µg/L	1	7/30/01 9:07:00 PM
Fluoranthene	BRL	10		µg/L	1	7/30/01 9:07:00 PM
Fluorene	BRL	10		µg/L	1	7/30/01 9:07:00 PM
Hexachlorobenzene	BRL	10		µg/L	1	7/30/01 9:07:00 PM
Hexachlorobutadiene	BRL	10		µg/L	1	7/30/01 9:07:00 PM
Hexachlorocyclopentadiene	BRL	10		µg/L	1	7/30/01 9:07:00 PM
Hexachloroethane	BRL	10		µg/L	1	7/30/01 9:07:00 PM
Indeno(1,2,3-cd)pyrene	BRL	10		µg/L	1	7/30/01 9:07:00 PM
Isophorone	BRL	10		µg/L	1	7/30/01 9:07:00 PM
N-Nitrosodi-n-propylamine	BRL	10		µg/L	1	7/30/01 9:07:00 PM
N-Nitrosodiphenylamine	BRL	10		µg/L	1	7/30/01 9:07:00 PM
Naphthalene	BRL	10		µg/L	1	7/30/01 9:07:00 PM
Nitrobenzene	BRL	10		µg/L	1	7/30/01 9:07:00 PM
Pentachlorophenol	BRL	25		µg/L	1	7/30/01 9:07:00 PM
Phenanthrene	BRL	10		µg/L	1	7/30/01 9:07:00 PM
Phenol	BRL	10		µg/L	1	7/30/01 9:07:00 PM
Pyrene	BRL	10		µg/L	1	7/30/01 9:07:00 PM
Surr: 2,4,6-Tribromophenol	91.0	37-127		%REC	1	7/30/01 9:07:00 PM
Surr: 2-Fluorobiphenyl	74.0	43-110		%REC	1	7/30/01 9:07:00 PM
Surr: 2-Fluorophenol	52.0	13-100		%REC	1	7/30/01 9:07:00 PM
Surr: 4-Terphenyl-d14	81.5	10-121		%REC	1	7/30/01 9:07:00 PM
Surr: Nitrobenzene-d5	72.5	40-110		%REC	1	7/30/01 9:07:00 PM
Surr: Phenol-d5	29.3	10-121		%REC	1	7/30/01 9:07:00 PM

MEW Site File
Break3_009722

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107595
Project: Ameren-MEW
Lab ID: 0107595-003

Client Sample ID: TB - 2
Collection Date: 7/25/01
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **NWH**
1,1,1-Trichloroethane	BRL	5.0		µg/L	1	8/1/01 6:40:00 AM
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/L	1	8/1/01 6:40:00 AM
1,1,2-Trichloroethane	BRL	5.0		µg/L	1	8/1/01 6:40:00 AM
1,1-Dichloroethane	BRL	5.0		µg/L	1	8/1/01 6:40:00 AM
1,1-Dichloroethene	BRL	5.0		µg/L	1	8/1/01 6:40:00 AM
1,2-Dichloroethane	BRL	5.0		µg/L	1	8/1/01 6:40:00 AM
1,2-Dichloropropane	BRL	5.0		µg/L	1	8/1/01 6:40:00 AM
2-Butanone	BRL	10		µg/L	1	8/1/01 6:40:00 AM
2-Hexanone	BRL	10		µg/L	1	8/1/01 6:40:00 AM
4-Methyl-2-pentanone	BRL	10		µg/L	1	8/1/01 6:40:00 AM
Acetone	BRL	5.0		µg/L	1	8/1/01 6:40:00 AM
Benzene	BRL	5.0		µg/L	1	8/1/01 6:40:00 AM
Bromodichloromethane	BRL	5.0		µg/L	1	8/1/01 6:40:00 AM
Bromoform	BRL	5.0		µg/L	1	8/1/01 6:40:00 AM
Bromomethane	BRL	5.0		µg/L	1	8/1/01 6:40:00 AM
Carbon disulfide	BRL	5.0		µg/L	1	8/1/01 6:40:00 AM
Carbon tetrachloride	BRL	5.0		µg/L	1	8/1/01 6:40:00 AM
Chlorobenzene	BRL	5.0		µg/L	1	8/1/01 6:40:00 AM
Chloroethane	BRL	5.0		µg/L	1	8/1/01 6:40:00 AM
Chloroform	BRL	5.0		µg/L	1	8/1/01 6:40:00 AM
Chloromethane	BRL	5.0		µg/L	1	8/1/01 6:40:00 AM
cis-1,3-Dichloropropene	BRL	5.0		µg/L	1	8/1/01 6:40:00 AM
Dibromochloromethane	BRL	5.0		µg/L	1	8/1/01 6:40:00 AM
Ethylbenzene	BRL	5.0		µg/L	1	8/1/01 6:40:00 AM
Methylene chloride	BRL	5.0		µg/L	1	8/1/01 6:40:00 AM
Styrene	BRL	5.0		µg/L	1	8/1/01 6:40:00 AM
Tetrachloroethene	BRL	5.0		µg/L	1	8/1/01 6:40:00 AM
Toluene	BRL	5.0		µg/L	1	8/1/01 6:40:00 AM
trans-1,3-Dichloropropene	BRL	5.0		µg/L	1	8/1/01 6:40:00 AM
Trichloroethene	BRL	5.0		µg/L	1	8/1/01 6:40:00 AM
Vinyl chloride	BRL	5.0		µg/L	1	8/1/01 6:40:00 AM
1,2-Dichloroethene, Total	BRL	5.0		µg/L	1	8/1/01 6:40:00 AM
Xylenes, Total	BRL	5.0		µg/L	1	8/1/01 6:40:00 AM
Surr: 4-Bromofluorobenzene	95.9	73-111		%REC	1	8/1/01 6:40:00 AM
Surr: Dibromofluoromethane	97.1	86-120		%REC	1	8/1/01 6:40:00 AM
Surr: Toluene-d8	97.1	91-108		%REC	1	8/1/01 6:40:00 AM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**				Analyst: **JMZ**
1,2,4-Trichlorobenzene	BRL	10		µg/L	1	7/30/01 9:42:00 PM
1,2-Dichlorobenzene	BRL	10		µg/L	1	7/30/01 9:42:00 PM
1,3-Dichlorobenzene	BRL	10		µg/L	1	7/30/01 9:42:00 PM

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3_009723

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107595
Project: Ameren-MEW
Lab ID: 0107595-003

Client Sample ID: TB - 2
Collection Date: 7/25/01
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1,4-Dichlorobenzene	BRL	10		µg/L	1	7/30/01 9:42:00 PM
2,4,5-Trichlorophenol	BRL	25		µg/L	1	7/30/01 9:42:00 PM
2,4,6-Trichlorophenol	BRL	10		µg/L	1	7/30/01 9:42:00 PM
2,4-Dichlorophenol	BRL	10		µg/L	1	7/30/01 9:42:00 PM
2,4-Dimethylphenol	BRL	10		µg/L	1	7/30/01 9:42:00 PM
2,4-Dinitrophenol	BRL	25		µg/L	1	7/30/01 9:42:00 PM
2,4-Dinitrotoluene	BRL	10		µg/L	1	7/30/01 9:42:00 PM
2,6-Dinitrotoluene	BRL	10		µg/L	1	7/30/01 9:42:00 PM
2-Chloronaphthalene	BRL	10		µg/L	1	7/30/01 9:42:00 PM
2-Chlorophenol	BRL	10		µg/L	1	7/30/01 9:42:00 PM
2-Methylnaphthalene	BRL	10		µg/L	1	7/30/01 9:42:00 PM
2-Methylphenol	BRL	10		µg/L	1	7/30/01 9:42:00 PM
2-Nitroaniline	BRL	25		µg/L	1	7/30/01 9:42:00 PM
2-Nitrophenol	BRL	10		µg/L	1	7/30/01 9:42:00 PM
3,3'-Dichlorobenzidine	BRL	10		µg/L	1	7/30/01 9:42:00 PM
3-Nitroaniline	BRL	25		µg/L	1	7/30/01 9:42:00 PM
4,6-Dinitro-2-methylphenol	BRL	25		µg/L	1	7/30/01 9:42:00 PM
4-Bromophenyl phenyl ether	BRL	10		µg/L	1	7/30/01 9:42:00 PM
4-Chloro-3-methylphenol	BRL	10		µg/L	1	7/30/01 9:42:00 PM
4-Chloroaniline	BRL	10		µg/L	1	7/30/01 9:42:00 PM
4-Chlorophenyl phenyl ether	BRL	10		µg/L	1	7/30/01 9:42:00 PM
4-Methylphenol	BRL	10		µg/L	1	7/30/01 9:42:00 PM
4-Nitroaniline	BRL	25		µg/L	1	7/30/01 9:42:00 PM
4-Nitrophenol	BRL	25		µg/L	1	7/30/01 9:42:00 PM
Acenaphthene	BRL	10		µg/L	1	7/30/01 9:42:00 PM
Acenaphthylene	BRL	10		µg/L	1	7/30/01 9:42:00 PM
Anthracene	BRL	10		µg/L	1	7/30/01 9:42:00 PM
Benz(a)anthracene	BRL	10		µg/L	1	7/30/01 9:42:00 PM
Benzo(a)pyrene	BRL	10		µg/L	1	7/30/01 9:42:00 PM
Benzo(b)fluoranthene	BRL	10		µg/L	1	7/30/01 9:42:00 PM
Benzo(g,h,i)perylene	BRL	10		µg/L	1	7/30/01 9:42:00 PM
Benzo(k)fluoranthene	BRL	10		µg/L	1	7/30/01 9:42:00 PM
Bis(2-chloroethoxy)methane	BRL	10		µg/L	1	7/30/01 9:42:00 PM
Bis(2-chloroethyl)ether	BRL	10		µg/L	1	7/30/01 9:42:00 PM
Bis(2-chloroisopropyl)ether	BRL	10		µg/L	1	7/30/01 9:42:00 PM
Bis(2-ethylhexyl)phthalate	BRL	10		µg/L	1	7/30/01 9:42:00 PM
Butyl benzyl phthalate	BRL	10		µg/L	1	7/30/01 9:42:00 PM
Carbazole	BRL	10		µg/L	1	7/30/01 9:42:00 PM
Chrysene	BRL	10		µg/L	1	7/30/01 9:42:00 PM
Di-n-butyl phthalate	BRL	10		µg/L	1	7/30/01 9:42:00 PM
Di-n-octyl phthalate	BRL	10		µg/L	1	7/30/01 9:42:00 PM
Dibenz(a,h)anthracene	BRL	10		µg/L	1	7/30/01 9:42:00 PM

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3_009724

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107595
Project: Ameren-MEW
Lab ID: 0107595-003

Client Sample ID: TB - 2
Collection Date: 7/25/01
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Dibenzofuran	BRL	10		µg/L	1	7/30/01 9:42:00 PM
Diethyl phthalate	BRL	10		µg/L	1	7/30/01 9:42:00 PM
Dimethyl phthalate	BRL	10		µg/L	1	7/30/01 9:42:00 PM
Fluoranthene	BRL	10		µg/L	1	7/30/01 9:42:00 PM
Fluorene	BRL	10		µg/L	1	7/30/01 9:42:00 PM
Hexachlorobenzene	BRL	10		µg/L	1	7/30/01 9:42:00 PM
Hexachlorobutadiene	BRL	10		µg/L	1	7/30/01 9:42:00 PM
Hexachlorocyclopentadiene	BRL	10		µg/L	1	7/30/01 9:42:00 PM
Hexachloroethane	BRL	10		µg/L	1	7/30/01 9:42:00 PM
Indeno(1,2,3-cd)pyrene	BRL	10		µg/L	1	7/30/01 9:42:00 PM
Isophorone	BRL	10		µg/L	1	7/30/01 9:42:00 PM
N-Nitrosodi-n-propylamine	BRL	10		µg/L	1	7/30/01 9:42:00 PM
N-Nitrosodiphenylamine	BRL	10		µg/L	1	7/30/01 9:42:00 PM
Naphthalene	BRL	10		µg/L	1	7/30/01 9:42:00 PM
Nitrobenzene	BRL	10		µg/L	1	7/30/01 9:42:00 PM
Pentachlorophenol	BRL	25		µg/L	1	7/30/01 9:42:00 PM
Phenanthrene	BRL	10		µg/L	1	7/30/01 9:42:00 PM
Phenol	BRL	10		µg/L	1	7/30/01 9:42:00 PM
Pyrene	BRL	10		µg/L	1	7/30/01 9:42:00 PM
Surr: 2,4,6-Tribromophenol	85.7	37-127		%REC	1	7/30/01 9:42:00 PM
Surr: 2-Fluorobiphenyl	69.6	43-110		%REC	1	7/30/01 9:42:00 PM
Surr: 2-Fluorophenol	40.4	13-100		%REC	1	7/30/01 9:42:00 PM
Surr: 4-Terphenyl-d14	78.8	10-121		%REC	1	7/30/01 9:42:00 PM
Surr: Nitrobenzene-d5	64.3	40-110		%REC	1	7/30/01 9:42:00 PM
Surr: Phenol-d5	66.0	10-121		%REC	1	7/30/01 9:42:00 PM

MEW Site File
Break3_009725

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Analytical Environmental Servs, Inc.

Sample Receipt Checklist

Client Name KOMEX

Date and Time Received 7/26/01 1040

Work Order Number 0007595

Received by TH

Checklist completed by [signature] 7/26/01 (Signature / Date)

Reviewed by TH 7/26/01 (Initials / Date)

Matrix: Carrier name

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Presen ☐
Custody seals intact on shippping container/cooler?	Yes ☑	No ☐	Not Presen ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Presen ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	

Adjusted? _____ Checked b _____

Any No and/or NA (not applicable) response must be detailed in the comments section bel

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: 1 MW-4 VIAL WAS BROKEN.

orrective Action _____

MEW Site File
Break3_009726

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES

August 02, 2001

Dean Mitchell
Komex.H2O Science, Inc.
5500 Bolsa Avenue
Suite 105
Huntington Beach, CA 92649
TEL: (714) 379-1157
FAX (714) 379-1160

RE: Ameren-MEW Order No.: 0107596

Dear Dean Mitchell:

Analytical Environmental Servs, Inc. received 2 samples on 7/26/01 10:30:00 AM for the analyses presented in the following report.

No problems were encountered during analyses. Additionally, all results for the associated quality control samples were within EPA and/or AES established limits except where noted in the project Case Narrative.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Mehmet Yildirim
Laboratory Manager

RECEIVED
AUG 09 2001

MEW Site File
Break3_009727

3781 PRESIDENTIAL PARKWAY, SUITE 111 • ATLANTA, GEORGIA 30340 • TEL: (770) 457-8177 • FAX: (770) 457-8188

MEW Site File
Break3_009728

ANALYTICAL ENVIRONMENTAL SERVICES — CHAIN OF CUSTODY

3781 Presidential Parkway, Suite 111, Atlanta GA 30340-0370
TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

Work Order: [illegible]

Date: _____ Page 1 of 1

COMPANY: Kenny

ADDRESS: 5200 Bolsa Avenue, Huntington Beach CA 92649

PHONE: 714-372-1127

FAX: 714-372-1169

SAMPLED BY: D. Mitchell

SIGNATURE: [illegible]

ANALYSIS REQUESTED

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	[illegible]	[illegible]	[illegible]	REMARKS	No # of Containers
	[redacted] MW 11	25 July 01	1110	X		GW	X	X	X		6
	MW 11 B	"	1120	X		GW	X	X	X		6

PRESERVATION

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: Dean Mitchell	25 July 1310	1: FEDEX	25 July 1310
2:		2: [illegible]	7/26/01 1030 am
3:		3:	

PROJECT INFORMATION

PROJECT NAME: MEW

PROJECT #: 95 018

FAC ID#:

SITE ADDRESS: Cape Branch

PROJECT MANAGER: Dean Mitchell

INVOICE TO: (IF DIFFERENT FROM ABOVE)

RECEIPT

Total # of Containers

Turnaround Time Request
- [x] Standard 3-5 Business Days
- [ ] Same Day Rush (auth req.)
- [ ] Next Business Day Rush
- [ ] 2 Business Day Rush
- [ ] Other _____

PROGRAM (see codes): _____

DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS: If unfiltered sample has pH < 3 [illegible] filter and analyze for RCRA metals

SHIPMENT METHOD

OUT VIA:

IN VIA:

CLIENT (FedEx) UPS MAIL COURIER

GREYHOUND OTHER

PO#:

QUOTE/CONTRACT #:

MATRIX CODES: A – Air GW – Groundwater SE – Sediment SO – Soil SW – Surface Water W – Water (Blanks) O – Other (specify)

PRESERVATIVE CODES: H = Hydrochloric acid + ice I = Ice only N = Nitric acid + ice S = Sulfuric acid + ice O = Other (specify) NA = None

PR[illegible] I: F[illegible] FLD[illegible] UST [illegible] F M[illegible] NCU[illegible] JST [illegible] GA[illegible] FLCO[illegible] White [illegible] ORIGI[illegible] ellow [illegible] LAB: [illegible] py - C[illegible]

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107596
Project: Ameren-MEW
Lab ID: 0107596-001

Client Sample ID: MW 11
Collection Date: 7/25/01 11:10:00 AM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**				Analyst: **BDW**
Aroclor 1016	BRL	0.50		µg/L	1	7/27/01 5:37:00 PM
Aroclor 1016	BRL	0.50		µg/L	1	8/1/01 5:56:00 PM
Aroclor 1221	BRL	0.50		µg/L	1	7/27/01 5:37:00 PM
Aroclor 1221	BRL	0.50		µg/L	1	8/1/01 5:56:00 PM
Aroclor 1232	BRL	0.50		µg/L	1	7/27/01 5:37:00 PM
Aroclor 1232	BRL	0.50		µg/L	1	8/1/01 5:56:00 PM
Aroclor 1242	BRL	0.50		µg/L	1	7/27/01 5:37:00 PM
Aroclor 1242	BRL	0.50		µg/L	1	8/1/01 5:56:00 PM
Aroclor 1248	BRL	0.50		µg/L	1	7/27/01 5:37:00 PM
Aroclor 1248	BRL	0.50		µg/L	1	8/1/01 5:56:00 PM
Aroclor 1254	BRL	0.50		µg/L	1	8/1/01 5:56:00 PM
Aroclor 1254	BRL	0.50		µg/L	1	7/27/01 5:37:00 PM
Aroclor 1260	BRL	0.50		µg/L	1	8/1/01 5:56:00 PM
Aroclor 1260	3.5	0.50		µg/L	1	7/27/01 5:37:00 PM
Surr: Decachlorobiphenyl	33.8	10-127		%REC	1	8/1/01 5:56:00 PM
Surr: Decachlorobiphenyl	55.7	10-127		%REC	1	7/27/01 5:37:00 PM
Surr: Tetrachloro-m-xylene	49.9	10-144		%REC	1	8/1/01 5:56:00 PM
Surr: Tetrachloro-m-xylene	67.0	10-144		%REC	1	7/27/01 5:37:00 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **NWH**
1,1,1-Trichloroethane	BRL	5.0		µg/L	1	8/1/01 11:40:00 AM
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/L	1	8/1/01 11:40:00 AM
1,1,2-Trichloroethane	BRL	5.0		µg/L	1	8/1/01 11:40:00 AM
1,1-Dichloroethane	BRL	5.0		µg/L	1	8/1/01 11:40:00 AM
1,1-Dichloroethene	BRL	5.0		µg/L	1	8/1/01 11:40:00 AM
1,2-Dichloroethane	BRL	5.0		µg/L	1	8/1/01 11:40:00 AM
1,2-Dichloropropane	BRL	5.0		µg/L	1	8/1/01 11:40:00 AM
2-Butanone	BRL	10		µg/L	1	8/1/01 11:40:00 AM
2-Hexanone	BRL	10		µg/L	1	8/1/01 11:40:00 AM
4-Methyl-2-pentanone	BRL	10		µg/L	1	8/1/01 11:40:00 AM
Acetone	BRL	5.0		µg/L	1	8/1/01 11:40:00 AM
Benzene	BRL	5.0		µg/L	1	8/1/01 11:40:00 AM
Bromodichloromethane	BRL	5.0		µg/L	1	8/1/01 11:40:00 AM
Bromoform	BRL	5.0		µg/L	1	8/1/01 11:40:00 AM
Bromomethane	BRL	5.0		µg/L	1	8/1/01 11:40:00 AM
Carbon disulfide	BRL	5.0		µg/L	1	8/1/01 11:40:00 AM
Carbon tetrachloride	BRL	5.0		µg/L	1	8/1/01 11:40:00 AM
Chlorobenzene	8.2	5.0		µg/L	1	8/1/01 11:40:00 AM
Chloroethane	BRL	5.0		µg/L	1	8/1/01 11:40:00 AM
Chloroform	BRL	5.0		µg/L	1	8/1/01 11:40:00 AM
Chloromethane	BRL	5.0		µg/L	1	8/1/01 11:40:00 AM

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3_009729

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107596
Project: Ameren-MEW
Lab ID: 0107596-001

Client Sample ID: MW 11
Collection Date: 7/25/01 11:10:00 AM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
cis-1,3-Dichloropropene	BRL	5.0		µg/L	1	8/1/01 11:40:00 AM
Dibromochloromethane	BRL	5.0		µg/L	1	8/1/01 11:40:00 AM
Ethylbenzene	BRL	5.0		µg/L	1	8/1/01 11:40:00 AM
Methylene chloride	BRL	5.0		µg/L	1	8/1/01 11:40:00 AM
Styrene	BRL	5.0		µg/L	1	8/1/01 11:40:00 AM
Tetrachloroethene	BRL	5.0		µg/L	1	8/1/01 11:40:00 AM
Toluene	BRL	5.0		µg/L	1	8/1/01 11:40:00 AM
trans-1,3-Dichloropropene	BRL	5.0		µg/L	1	8/1/01 11:40:00 AM
Trichloroethene	BRL	5.0		µg/L	1	8/1/01 11:40:00 AM
Vinyl chloride	BRL	5.0		µg/L	1	8/1/01 11:40:00 AM
1,2-Dichloroethene, Total	BRL	5.0		µg/L	1	8/1/01 11:40:00 AM
Xylenes, Total	BRL	5.0		µg/L	1	8/1/01 11:40:00 AM
Surr: 4-Bromofluorobenzene	93.8	73-111		%REC	1	8/1/01 11:40:00 AM
Surr: Dibromofluoromethane	98.4	86-120		%REC	1	8/1/01 11:40:00 AM
Surr: Toluene-d8	98.3	91-108		%REC	1	8/1/01 11:40:00 AM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**				Analyst: **JMZ**
1,2,4-Trichlorobenzene	BRL	10		µg/L	1	7/30/01 10:17:00 PM
1,2-Dichlorobenzene	BRL	10		µg/L	1	7/30/01 10:17:00 PM
1,3-Dichlorobenzene	BRL	10		µg/L	1	7/30/01 10:17:00 PM
1,4-Dichlorobenzene	BRL	10		µg/L	1	7/30/01 10:17:00 PM
2,4,5-Trichlorophenol	BRL	25		µg/L	1	7/30/01 10:17:00 PM
2,4,6-Trichlorophenol	BRL	10		µg/L	1	7/30/01 10:17:00 PM
2,4-Dichlorophenol	BRL	10		µg/L	1	7/30/01 10:17:00 PM
2,4-Dimethylphenol	BRL	10		µg/L	1	7/30/01 10:17:00 PM
2,4-Dinitrophenol	BRL	25		µg/L	1	7/30/01 10:17:00 PM
2,4-Dinitrotoluene	BRL	10		µg/L	1	7/30/01 10:17:00 PM
2,6-Dinitrotoluene	BRL	10		µg/L	1	7/30/01 10:17:00 PM
2-Chloronaphthalene	BRL	10		µg/L	1	7/30/01 10:17:00 PM
2-Chlorophenol	BRL	10		µg/L	1	7/30/01 10:17:00 PM
2-Methylnaphthalene	BRL	10		µg/L	1	7/30/01 10:17:00 PM
2-Methylphenol	BRL	10		µg/L	1	7/30/01 10:17:00 PM
2-Nitroaniline	BRL	25		µg/L	1	7/30/01 10:17:00 PM
2-Nitrophenol	BRL	10		µg/L	1	7/30/01 10:17:00 PM
3,3'-Dichlorobenzidine	BRL	10		µg/L	1	7/30/01 10:17:00 PM
3-Nitroaniline	BRL	25		µg/L	1	7/30/01 10:17:00 PM
4,6-Dinitro-2-methylphenol	BRL	25		µg/L	1	7/30/01 10:17:00 PM
4-Bromophenyl phenyl ether	BRL	10		µg/L	1	7/30/01 10:17:00 PM
4-Chloro-3-methylphenol	BRL	10		µg/L	1	7/30/01 10:17:00 PM
4-Chloroaniline	BRL	10		µg/L	1	7/30/01 10:17:00 PM
4-Chlorophenyl phenyl ether	BRL	10		µg/L	1	7/30/01 10:17:00 PM
4-Methylphenol	BRL	10		µg/L	1	7/30/01 10:17:00 PM

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3_009730

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107596
Project: Ameren-MEW
Lab ID: 0107596-001

Client Sample ID: MW 11
Collection Date: 7/25/01 11:10:00 AM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
4-Nitroaniline	BRL	25		µg/L	1	7/30/01 10:17:00 PM
4-Nitrophenol	BRL	25		µg/L	1	7/30/01 10:17:00 PM
Acenaphthene	BRL	10		µg/L	1	7/30/01 10:17:00 PM
Acenaphthylene	BRL	10		µg/L	1	7/30/01 10:17:00 PM
Anthracene	BRL	10		µg/L	1	7/30/01 10:17:00 PM
Benz(a)anthracene	BRL	10		µg/L	1	7/30/01 10:17:00 PM
Benzo(a)pyrene	BRL	10		µg/L	1	7/30/01 10:17:00 PM
Benzo(b)fluoranthene	BRL	10		µg/L	1	7/30/01 10:17:00 PM
Benzo(g,h,i)perylene	BRL	10		µg/L	1	7/30/01 10:17:00 PM
Benzo(k)fluoranthene	BRL	10		µg/L	1	7/30/01 10:17:00 PM
Bis(2-chloroethoxy)methane	BRL	10		µg/L	1	7/30/01 10:17:00 PM
Bis(2-chloroethyl)ether	BRL	10		µg/L	1	7/30/01 10:17:00 PM
Bis(2-chloroisopropyl)ether	BRL	10		µg/L	1	7/30/01 10:17:00 PM
Bis(2-ethylhexyl)phthalate	BRL	10		µg/L	1	7/30/01 10:17:00 PM
Butyl benzyl phthalate	BRL	10		µg/L	1	7/30/01 10:17:00 PM
Carbazole	BRL	10		µg/L	1	7/30/01 10:17:00 PM
Chrysene	BRL	10		µg/L	1	7/30/01 10:17:00 PM
Di-n-butyl phthalate	BRL	10		µg/L	1	7/30/01 10:17:00 PM
Di-n-octyl phthalate	BRL	10		µg/L	1	7/30/01 10:17:00 PM
Dibenz(a,h)anthracene	BRL	10		µg/L	1	7/30/01 10:17:00 PM
Dibenzofuran	BRL	10		µg/L	1	7/30/01 10:17:00 PM
Diethyl phthalate	BRL	10		µg/L	1	7/30/01 10:17:00 PM
Dimethyl phthalate	BRL	10		µg/L	1	7/30/01 10:17:00 PM
Fluoranthene	BRL	10		µg/L	1	7/30/01 10:17:00 PM
Fluorene	BRL	10		µg/L	1	7/30/01 10:17:00 PM
Hexachlorobenzene	BRL	10		µg/L	1	7/30/01 10:17:00 PM
Hexachlorobutadiene	BRL	10		µg/L	1	7/30/01 10:17:00 PM
Hexachlorocyclopentadiene	BRL	10		µg/L	1	7/30/01 10:17:00 PM
Hexachloroethane	BRL	10		µg/L	1	7/30/01 10:17:00 PM
Indeno(1,2,3-cd)pyrene	BRL	10		µg/L	1	7/30/01 10:17:00 PM
Isophorone	BRL	10		µg/L	1	7/30/01 10:17:00 PM
N-Nitrosodi-n-propylamine	BRL	10		µg/L	1	7/30/01 10:17:00 PM
N-Nitrosodiphenylamine	BRL	10		µg/L	1	7/30/01 10:17:00 PM
Naphthalene	BRL	10		µg/L	1	7/30/01 10:17:00 PM
Nitrobenzene	BRL	10		µg/L	1	7/30/01 10:17:00 PM
Pentachlorophenol	BRL	25		µg/L	1	7/30/01 10:17:00 PM
Phenanthrene	BRL	10		µg/L	1	7/30/01 10:17:00 PM
Phenol	BRL	10		µg/L	1	7/30/01 10:17:00 PM
Pyrene	BRL	10		µg/L	1	7/30/01 10:17:00 PM
Surr: 2,4,6-Tribromophenol	93.8	37-127		%REC	1	7/30/01 10:17:00 PM
Surr: 2-Fluorobiphenyl	71.8	43-110		%REC	1	7/30/01 10:17:00 PM
Surr: 2-Fluorophenol	21.7	13-100		%REC	1	7/30/01 10:17:00 PM

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3_009731

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107596
Project: Ameren-MEW
Lab ID: 0107596-001

Client Sample ID: MW 11
Collection Date: 7/25/01 11:10:00 AM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Surr: 4-Terphenyl-d14	80.7	10-121		%REC	1	7/30/01 10:17:00 PM
Surr: Nitrobenzene-d5	66.9	40-110		%REC	1	7/30/01 10:17:00 PM
Surr: Phenol-d5	23.0	10-121		%REC	1	7/30/01 10:17:00 PM

MEW Site File
Break3_009732

Qualifiers:

BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107596
Project: Ameren-MEW
Lab ID: 0107596-002

Client Sample ID: MW 11B
Collection Date: 7/25/01 11:20:00 AM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**				Analyst: **BDW**
Aroclor 1016	BRL	0.50		µg/L	1	7/27/01 6:00:00 PM
Aroclor 1016	BRL	0.50		µg/L	1	8/1/01 6:20:00 PM
Aroclor 1221	BRL	0.50		µg/L	1	7/27/01 6:00:00 PM
Aroclor 1221	BRL	0.50		µg/L	1	8/1/01 6:20:00 PM
Aroclor 1232	BRL	0.50		µg/L	1	7/27/01 6:00:00 PM
Aroclor 1232	BRL	0.50		µg/L	1	8/1/01 6:20:00 PM
Aroclor 1242	BRL	0.50		µg/L	1	7/27/01 6:00:00 PM
Aroclor 1242	BRL	0.50		µg/L	1	8/1/01 6:20:00 PM
Aroclor 1248	BRL	0.50		µg/L	1	7/27/01 6:00:00 PM
Aroclor 1248	BRL	0.50		µg/L	1	8/1/01 6:20:00 PM
Aroclor 1254	BRL	0.50		µg/L	1	8/1/01 6:20:00 PM
Aroclor 1254	BRL	0.50		µg/L	1	7/27/01 6:00:00 PM
Aroclor 1260	BRL	0.50		µg/L	1	8/1/01 6:20:00 PM
Aroclor 1260	3.4	0.50		µg/L	1	7/27/01 6:00:00 PM
Surr: Decachlorobiphenyl	43.4	10-127		%REC	1	8/1/01 6:20:00 PM
Surr: Decachlorobiphenyl	72.2	10-127		%REC	1	7/27/01 6:00:00 PM
Surr: Tetrachloro-m-xylene	35.2	10-144		%REC	1	8/1/01 6:20:00 PM
Surr: Tetrachloro-m-xylene	44.6	10-144		%REC	1	7/27/01 6:00:00 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **NWH**
1,1,1-Trichloroethane	BRL	5.0		µg/L	1	8/1/01 12:14:00 PM
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/L	1	8/1/01 12:14:00 PM
1,1,2-Trichloroethane	BRL	5.0		µg/L	1	8/1/01 12:14:00 PM
1,1-Dichloroethane	BRL	5.0		µg/L	1	8/1/01 12:14:00 PM
1,1-Dichloroethene	BRL	5.0		µg/L	1	8/1/01 12:14:00 PM
1,2-Dichloroethane	BRL	5.0		µg/L	1	8/1/01 12:14:00 PM
1,2-Dichloropropane	BRL	5.0		µg/L	1	8/1/01 12:14:00 PM
2-Butanone	BRL	10		µg/L	1	8/1/01 12:14:00 PM
2-Hexanone	BRL	10		µg/L	1	8/1/01 12:14:00 PM
4-Methyl-2-pentanone	BRL	10		µg/L	1	8/1/01 12:14:00 PM
Acetone	BRL	5.0		µg/L	1	8/1/01 12:14:00 PM
Benzene	BRL	5.0		µg/L	1	8/1/01 12:14:00 PM
Bromodichloromethane	BRL	5.0		µg/L	1	8/1/01 12:14:00 PM
Bromoform	BRL	5.0		µg/L	1	8/1/01 12:14:00 PM
Bromomethane	BRL	5.0		µg/L	1	8/1/01 12:14:00 PM
Carbon disulfide	BRL	5.0		µg/L	1	8/1/01 12:14:00 PM
Carbon tetrachloride	BRL	5.0		µg/L	1	8/1/01 12:14:00 PM
Chlorobenzene	7.6	5.0		µg/L	1	8/1/01 12:14:00 PM
Chloroethane	BRL	5.0		µg/L	1	8/1/01 12:14:00 PM
Chloroform	BRL	5.0		µg/L	1	8/1/01 12:14:00 PM
Chloromethane	BRL	5.0		µg/L	1	8/1/01 12:14:00 PM

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3_009733

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107596
Project: Ameren-MEW
Lab ID: 0107596-002

Client Sample ID: MW 11B
Collection Date: 7/25/01 11:20:00 AM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
cis-1,3-Dichloropropene	BRL	5.0		µg/L	1	8/1/01 12:14:00 PM
Dibromochloromethane	BRL	5.0		µg/L	1	8/1/01 12:14:00 PM
Ethylbenzene	BRL	5.0		µg/L	1	8/1/01 12:14:00 PM
Methylene chloride	BRL	5.0		µg/L	1	8/1/01 12:14:00 PM
Styrene	BRL	5.0		µg/L	1	8/1/01 12:14:00 PM
Tetrachloroethene	BRL	5.0		µg/L	1	8/1/01 12:14:00 PM
Toluene	BRL	5.0		µg/L	1	8/1/01 12:14:00 PM
trans-1,3-Dichloropropene	BRL	5.0		µg/L	1	8/1/01 12:14:00 PM
Trichloroethene	BRL	5.0		µg/L	1	8/1/01 12:14:00 PM
Vinyl chloride	BRL	5.0		µg/L	1	8/1/01 12:14:00 PM
1,2-Dichloroethene, Total	BRL	5.0		µg/L	1	8/1/01 12:14:00 PM
Xylenes, Total	BRL	5.0		µg/L	1	8/1/01 12:14:00 PM
Surr: 4-Bromofluorobenzene	93.3	73-111		%REC	1	8/1/01 12:14:00 PM
Surr: Dibromofluoromethane	98.1	86-120		%REC	1	8/1/01 12:14:00 PM
Surr: Toluene-d8	99.3	91-108		%REC	1	8/1/01 12:14:00 PM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**				Analyst: **JMZ**
1,2,4-Trichlorobenzene	BRL	10		µg/L	1	7/30/01 10:52:00 PM
1,2-Dichlorobenzene	BRL	10		µg/L	1	7/30/01 10:52:00 PM
1,3-Dichlorobenzene	BRL	10		µg/L	1	7/30/01 10:52:00 PM
1,4-Dichlorobenzene	BRL	10		µg/L	1	7/30/01 10:52:00 PM
2,4,5-Trichlorophenol	BRL	25		µg/L	1	7/30/01 10:52:00 PM
2,4,6-Trichlorophenol	BRL	10		µg/L	1	7/30/01 10:52:00 PM
2,4-Dichlorophenol	BRL	10		µg/L	1	7/30/01 10:52:00 PM
2,4-Dimethylphenol	BRL	10		µg/L	1	7/30/01 10:52:00 PM
2,4-Dinitrophenol	BRL	25		µg/L	1	7/30/01 10:52:00 PM
2,4-Dinitrotoluene	BRL	10		µg/L	1	7/30/01 10:52:00 PM
2,6-Dinitrotoluene	BRL	10		µg/L	1	7/30/01 10:52:00 PM
2-Chloronaphthalene	BRL	10		µg/L	1	7/30/01 10:52:00 PM
2-Chlorophenol	BRL	10		µg/L	1	7/30/01 10:52:00 PM
2-Methylnaphthalene	BRL	10		µg/L	1	7/30/01 10:52:00 PM
2-Methylphenol	BRL	10		µg/L	1	7/30/01 10:52:00 PM
2-Nitroaniline	BRL	25		µg/L	1	7/30/01 10:52:00 PM
2-Nitrophenol	BRL	10		µg/L	1	7/30/01 10:52:00 PM
3,3'-Dichlorobenzidine	BRL	10		µg/L	1	7/30/01 10:52:00 PM
3-Nitroaniline	BRL	25		µg/L	1	7/30/01 10:52:00 PM
4,6-Dinitro-2-methylphenol	BRL	25		µg/L	1	7/30/01 10:52:00 PM
4-Bromophenyl phenyl ether	BRL	10		µg/L	1	7/30/01 10:52:00 PM
4-Chloro-3-methylphenol	BRL	10		µg/L	1	7/30/01 10:52:00 PM
4-Chloroaniline	BRL	10		µg/L	1	7/30/01 10:52:00 PM
4-Chlorophenyl phenyl ether	BRL	10		µg/L	1	7/30/01 10:52:00 PM
4-Methylphenol	BRL	10		µg/L	1	7/30/01 10:52:00 PM

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3_009734

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107596
Project: Ameren-MEW
Lab ID: 0107596-002

Client Sample ID: MW 11B
Collection Date: 7/25/01 11:20:00 AM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
4-Nitroaniline	BRL	25		µg/L	1	7/30/01 10:52:00 PM
4-Nitrophenol	BRL	25		µg/L	1	7/30/01 10:52:00 PM
Acenaphthene	BRL	10		µg/L	1	7/30/01 10:52:00 PM
Acenaphthylene	BRL	10		µg/L	1	7/30/01 10:52:00 PM
Anthracene	BRL	10		µg/L	1	7/30/01 10:52:00 PM
Benz(a)anthracene	BRL	10		µg/L	1	7/30/01 10:52:00 PM
Benzo(a)pyrene	BRL	10		µg/L	1	7/30/01 10:52:00 PM
Benzo(b)fluoranthene	BRL	10		µg/L	1	7/30/01 10:52:00 PM
Benzo(g,h,i)perylene	BRL	10		µg/L	1	7/30/01 10:52:00 PM
Benzo(k)fluoranthene	BRL	10		µg/L	1	7/30/01 10:52:00 PM
Bis(2-chloroethoxy)methane	BRL	10		µg/L	1	7/30/01 10:52:00 PM
Bis(2-chloroethyl)ether	BRL	10		µg/L	1	7/30/01 10:52:00 PM
Bis(2-chloroisopropyl)ether	BRL	10		µg/L	1	7/30/01 10:52:00 PM
Bis(2-ethylhexyl)phthalate	BRL	10		µg/L	1	7/30/01 10:52:00 PM
Butyl benzyl phthalate	BRL	10		µg/L	1	7/30/01 10:52:00 PM
Carbazole	BRL	10		µg/L	1	7/30/01 10:52:00 PM
Chrysene	BRL	10		µg/L	1	7/30/01 10:52:00 PM
Di-n-butyl phthalate	BRL	10		µg/L	1	7/30/01 10:52:00 PM
Di-n-octyl phthalate	BRL	10		µg/L	1	7/30/01 10:52:00 PM
Dibenz(a,h)anthracene	BRL	10		µg/L	1	7/30/01 10:52:00 PM
Dibenzofuran	BRL	10		µg/L	1	7/30/01 10:52:00 PM
Diethyl phthalate	BRL	10		µg/L	1	7/30/01 10:52:00 PM
Dimethyl phthalate	BRL	10		µg/L	1	7/30/01 10:52:00 PM
Fluoranthene	BRL	10		µg/L	1	7/30/01 10:52:00 PM
Fluorene	BRL	10		µg/L	1	7/30/01 10:52:00 PM
Hexachlorobenzene	BRL	10		µg/L	1	7/30/01 10:52:00 PM
Hexachlorobutadiene	BRL	10		µg/L	1	7/30/01 10:52:00 PM
Hexachlorocyclopentadiene	BRL	10		µg/L	1	7/30/01 10:52:00 PM
Hexachloroethane	BRL	10		µg/L	1	7/30/01 10:52:00 PM
Indeno(1,2,3-cd)pyrene	BRL	10		µg/L	1	7/30/01 10:52:00 PM
Isophorone	BRL	10		µg/L	1	7/30/01 10:52:00 PM
N-Nitrosodi-n-propylamine	BRL	10		µg/L	1	7/30/01 10:52:00 PM
N-Nitrosodiphenylamine	BRL	10		µg/L	1	7/30/01 10:52:00 PM
Naphthalene	BRL	10		µg/L	1	7/30/01 10:52:00 PM
Nitrobenzene	BRL	10		µg/L	1	7/30/01 10:52:00 PM
Pentachlorophenol	BRL	25		µg/L	1	7/30/01 10:52:00 PM
Phenanthrene	BRL	10		µg/L	1	7/30/01 10:52:00 PM
Phenol	BRL	10		µg/L	1	7/30/01 10:52:00 PM
Pyrene	BRL	10		µg/L	1	7/30/01 10:52:00 PM
Surr: 2,4,6-Tribromophenol	102	37-127		%REC	1	7/30/01 10:52:00 PM
Surr: 2-Fluorobiphenyl	81.3	43-110		%REC	1	7/30/01 10:52:00 PM
Surr: 2-Fluorophenol	53.3	13-100		%REC	1	7/30/01 10:52:00 PM

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3_009735

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107596
Project: Ameren-MEW
Lab ID: 0107596-002

Client Sample ID: MW 11B
Collection Date: 7/25/01 11:20:00 AM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Surr: 4-Terphenyl-d14	89.2	10-121		%REC	1	7/30/01 10:52:00 PM
Surr: Nitrobenzene-d5	71.4	40-110		%REC	1	7/30/01 10:52:00 PM
Surr: Phenol-d5	49.6	10-121		%REC	1	7/30/01 10:52:00 PM

MEW Site File
Break3_009736

Qualifiers:

BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Analytical Environmental Servs, Inc.

Sample Receipt Checklist

Client Name KOMEX

Date and Time Received 7/26/01 1040

Work Order Number 0107596

Received by TH

Checklist completed by [signature] Signature | 7/26/01 Date

Reviewed by [initials] Initials | 7/26/01 Date

Matrix: Carrier name

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Presen ☐
Custody seals intact on shippping container/cooler?	Yes ☑	No ☐	Not Presen ☑ TH
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Presen ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	

Adjusted? _____ Checked b _____

Any No and/or NA (not applicable) response must be detailed in the comments section bel

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

MEW Site File
Break3_009737

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES

August 02, 2001

Dean Mitchell
Komex.H2O Science, Inc.
5500 Bolsa Avenue
Suite 105
Huntington Beach, CA 92649
TEL: (714) 379-1157
FAX (714) 379-1160

RE: Ameren-MEW Order No.: 0107642

Dear Dean Mitchell:

Analytical Environmental Servs, Inc. received 3 samples on 7/27/01 11:30:00 AM for the analyses presented in the following report.

No problems were encountered during analyses. Additionally, all results for the associated quality control samples were within EPA and/or AES established limits except where noted in the project Case Narrative.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

for
Mehmet Yildirim
Laboratory Manager

MEW Site File
Break3_009738

RECEIVED
AUG 10 2001

3781 PRESIDENTIAL PARKWAY, SUITE 111 • ATLANTA, GEORGIA 30340 • TEL: (770) 457-8177 • FAX: (770) 457-8188

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3781 Presidential Parkway, Suite 111, Atlanta GA 30340-0370

TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

MEW Site File
Break3_009739

Work Order: 0107642

Date: 26 July 01 Page 1 of 1

COMPANY: KOMEX

ADDRESS: 5500 Bolsa Ave #105 Huntington Beach CA 92649

PHONE: 714-379-1157

FAX: 714-379-1160

SAMPLED BY: D Mitchell

SIGNATURE: [signature]

ANALYSIS REQUESTED

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	8260B	8270C	8082	REMARKS	No # of Containers	
	MW-5	26 July 01	1430	X		GW	X	X	X		6	-1
	MW-7	"	1510	X		"	X	X	X		6	2
	MW-11A	"	1700	X		"	X	X	X		6	3

PRESERVATION

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1. D. Mitchell	26 July 01 1750	1. FedEx	26 July 01 1750
2.		2. [signature]	7/27/01 1130 AM
3.		3.	

PROJECT INFORMATION

PROJECT NAME: MEW

PROJECT #: 93-01B

FAC ID#:

SITE ADDRESS: Cape Girardeau MO

PROJECT MANAGER: Dean Mitchell

INVOICE TO (IF DIFFERENT FROM ABOVE)

RECEIPT

Total # of Containers

Turnaround Time Request

- [x] Standard 3-5 Business Days
- [ ] Same Day Rush (auth req.)
- [ ] Next Business Day Rush
- [ ] 2 Business Day Rush
- [ ] Other

PROGRAM (see codes)

DATA PACKAGE I II III IV

SPECIAL INSTRUCTIONS/COMMENTS: If PCB is detected in the unfiltered sample, then filter and analyze for PCBs.

PO#:

SHIPMENT METHOD

OUT VIA

IN VIA

CLIENT FedEx UPS MAIL COURIER

GREYHOUND OTHER

QUOTE CONTRACT #:

MATRIX CODES: A – Air GW – Groundwater SE – Sediment SO – Soil SW – Surface Water W – Water (Blanks) O – Other (specify)

PRESERVATIVE CODES: H – Hydrochloric acid + ice I – Ice only N – Nitric acid + ice S – Sulfuric acid + ice O – Other (specify) NA – None

White Copy - ORIGINAL Yellow Copy - LAB Pink Copy - CLIENT

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107642
Project: Ameren-MEW
Lab ID: 0107642-001

Client Sample ID: MW - 5
Collection Date: 7/26/01 2:30:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**				Analyst: **BDW**
Aroclor 1016	BRL	0.50		µg/L	1	7/31/01 2:20:00 PM
Aroclor 1016	BRL	0.50		µg/L	1	8/1/01 7:06:00 PM
Aroclor 1221	BRL	0.50		µg/L	1	7/31/01 2:20:00 PM
Aroclor 1221	BRL	0.50		µg/L	1	8/1/01 7:06:00 PM
Aroclor 1232	BRL	0.50		µg/L	1	7/31/01 2:20:00 PM
Aroclor 1232	BRL	0.50		µg/L	1	8/1/01 7:06:00 PM
Aroclor 1242	BRL	0.50		µg/L	1	7/31/01 2:20:00 PM
Aroclor 1242	BRL	0.50		µg/L	1	8/1/01 7:06:00 PM
Aroclor 1248	BRL	0.50		µg/L	1	7/31/01 2:20:00 PM
Aroclor 1248	BRL	0.50		µg/L	1	8/1/01 7:06:00 PM
Aroclor 1254	BRL	0.50		µg/L	1	8/1/01 7:06:00 PM
Aroclor 1254	BRL	0.50		µg/L	1	7/31/01 2:20:00 PM
Aroclor 1260	BRL	0.50		µg/L	1	8/1/01 7:06:00 PM
Aroclor 1260	11	0.50		µg/L	1	7/31/01 2:20:00 PM
Surr: Decachlorobiphenyl	32.4	10-127		%REC	1	8/1/01 7:06:00 PM
Surr: Decachlorobiphenyl	73.5	10-127		%REC	1	7/31/01 2:20:00 PM
Surr: Tetrachloro-m-xylene	37.4	10-144		%REC	1	8/1/01 7:06:00 PM
Surr: Tetrachloro-m-xylene	41.9	10-144		%REC	1	7/31/01 2:20:00 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **NWH**
1,1,1-Trichloroethane	BRL	5.0		µg/L	1	8/2/01 5:24:00 AM
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/L	1	8/2/01 5:24:00 AM
1,1,2-Trichloroethane	BRL	5.0		µg/L	1	8/2/01 5:24:00 AM
1,1-Dichloroethane	BRL	5.0		µg/L	1	8/2/01 5:24:00 AM
1,1-Dichloroethene	BRL	5.0		µg/L	1	8/2/01 5:24:00 AM
1,2-Dichloroethane	BRL	5.0		µg/L	1	8/2/01 5:24:00 AM
1,2-Dichloropropane	BRL	5.0		µg/L	1	8/2/01 5:24:00 AM
2-Butanone	BRL	10		µg/L	1	8/2/01 5:24:00 AM
2-Hexanone	BRL	10		µg/L	1	8/2/01 5:24:00 AM
4-Methyl-2-pentanone	BRL	10		µg/L	1	8/2/01 5:24:00 AM
Acetone	BRL	5.0		µg/L	1	8/2/01 5:24:00 AM
Benzene	BRL	5.0		µg/L	1	8/2/01 5:24:00 AM
Bromodichloromethane	BRL	5.0		µg/L	1	8/2/01 5:24:00 AM
Bromoform	BRL	5.0		µg/L	1	8/2/01 5:24:00 AM
Bromomethane	BRL	5.0		µg/L	1	8/2/01 5:24:00 AM
Carbon disulfide	BRL	5.0		µg/L	1	8/2/01 5:24:00 AM
Carbon tetrachloride	BRL	5.0		µg/L	1	8/2/01 5:24:00 AM
Chlorobenzene	BRL	5.0		µg/L	1	8/2/01 5:24:00 AM
Chloroethane	BRL	5.0		µg/L	1	8/2/01 5:24:00 AM
Chloroform	BRL	5.0		µg/L	1	8/2/01 5:24:00 AM
Chloromethane	BRL	5.0		µg/L	1	8/2/01 5:24:00 AM

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3_009740

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107642
Project: Ameren-MEW
Lab ID: 0107642-001

Client Sample ID: MW - 5
Collection Date: 7/26/01 2:30:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
cis-1,3-Dichloropropene	BRL	5.0		µg/L	1	8/2/01 5:24:00 AM
Dibromochloromethane	BRL	5.0		µg/L	1	8/2/01 5:24:00 AM
Ethylbenzene	BRL	5.0		µg/L	1	8/2/01 5:24:00 AM
Methylene chloride	BRL	5.0		µg/L	1	8/2/01 5:24:00 AM
Styrene	BRL	5.0		µg/L	1	8/2/01 5:24:00 AM
Tetrachloroethene	BRL	5.0		µg/L	1	8/2/01 5:24:00 AM
Toluene	BRL	5.0		µg/L	1	8/2/01 5:24:00 AM
trans-1,3-Dichloropropene	BRL	5.0		µg/L	1	8/2/01 5:24:00 AM
Trichloroethene	BRL	5.0		µg/L	1	8/2/01 5:24:00 AM
Vinyl chloride	BRL	5.0		µg/L	1	8/2/01 5:24:00 AM
1,2-Dichloroethene, Total	BRL	5.0		µg/L	1	8/2/01 5:24:00 AM
Xylenes, Total	BRL	5.0		µg/L	1	8/2/01 5:24:00 AM
Surr: 4-Bromofluorobenzene	94.2	73-111		%REC	1	8/2/01 5:24:00 AM
Surr: Dibromofluoromethane	98.4	86-120		%REC	1	8/2/01 5:24:00 AM
Surr: Toluene-d8	98.3	91-108		%REC	1	8/2/01 5:24:00 AM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**				Analyst: **JMZ**
1,2,4-Trichlorobenzene	BRL	10		µg/L	1	8/1/01 10:28:00 PM
1,2-Dichlorobenzene	BRL	10		µg/L	1	8/1/01 10:28:00 PM
1,3-Dichlorobenzene	BRL	10		µg/L	1	8/1/01 10:28:00 PM
1,4-Dichlorobenzene	BRL	10		µg/L	1	8/1/01 10:28:00 PM
2,4,5-Trichlorophenol	BRL	25		µg/L	1	8/1/01 10:28:00 PM
2,4,6-Trichlorophenol	BRL	10		µg/L	1	8/1/01 10:28:00 PM
2,4-Dichlorophenol	BRL	10		µg/L	1	8/1/01 10:28:00 PM
2,4-Dimethylphenol	BRL	10		µg/L	1	8/1/01 10:28:00 PM
2,4-Dinitrophenol	BRL	25		µg/L	1	8/1/01 10:28:00 PM
2,4-Dinitrotoluene	BRL	10		µg/L	1	8/1/01 10:28:00 PM
2,6-Dinitrotoluene	BRL	10		µg/L	1	8/1/01 10:28:00 PM
2-Chloronaphthalene	BRL	10		µg/L	1	8/1/01 10:28:00 PM
2-Chlorophenol	BRL	10		µg/L	1	8/1/01 10:28:00 PM
2-Methylnaphthalene	BRL	10		µg/L	1	8/1/01 10:28:00 PM
2-Methylphenol	BRL	10		µg/L	1	8/1/01 10:28:00 PM
2-Nitroaniline	BRL	25		µg/L	1	8/1/01 10:28:00 PM
2-Nitrophenol	BRL	10		µg/L	1	8/1/01 10:28:00 PM
3,3'-Dichlorobenzidine	BRL	10		µg/L	1	8/1/01 10:28:00 PM
3-Nitroaniline	BRL	25		µg/L	1	8/1/01 10:28:00 PM
4,6-Dinitro-2-methylphenol	BRL	25		µg/L	1	8/1/01 10:28:00 PM
4-Bromophenyl phenyl ether	BRL	10		µg/L	1	8/1/01 10:28:00 PM
4-Chloro-3-methylphenol	BRL	10		µg/L	1	8/1/01 10:28:00 PM
4-Chloroaniline	BRL	10		µg/L	1	8/1/01 10:28:00 PM
4-Chlorophenyl phenyl ether	BRL	10		µg/L	1	8/1/01 10:28:00 PM
4-Methylphenol	BRL	10		µg/L	1	8/1/01 10:28:00 PM

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3 009741

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107642
Project: Ameren-MEW
Lab ID: 0107642-001

Client Sample ID: MW - 5
Collection Date: 7/26/01 2:30:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
4-Nitroaniline	BRL	25		µg/L	1	8/1/01 10:28:00 PM
4-Nitrophenol	BRL	25		µg/L	1	8/1/01 10:28:00 PM
Acenaphthene	BRL	10		µg/L	1	8/1/01 10:28:00 PM
Acenaphthylene	BRL	10		µg/L	1	8/1/01 10:28:00 PM
Anthracene	BRL	10		µg/L	1	8/1/01 10:28:00 PM
Benz(a)anthracene	BRL	10		µg/L	1	8/1/01 10:28:00 PM
Benzo(a)pyrene	BRL	10		µg/L	1	8/1/01 10:28:00 PM
Benzo(b)fluoranthene	BRL	10		µg/L	1	8/1/01 10:28:00 PM
Benzo(g,h,i)perylene	BRL	10		µg/L	1	8/1/01 10:28:00 PM
Benzo(k)fluoranthene	BRL	10		µg/L	1	8/1/01 10:28:00 PM
Bis(2-chloroethoxy)methane	BRL	10		µg/L	1	8/1/01 10:28:00 PM
Bis(2-chloroethyl)ether	BRL	10		µg/L	1	8/1/01 10:28:00 PM
Bis(2-chloroisopropyl)ether	BRL	10		µg/L	1	8/1/01 10:28:00 PM
Bis(2-ethylhexyl)phthalate	BRL	10		µg/L	1	8/1/01 10:28:00 PM
Butyl benzyl phthalate	BRL	10		µg/L	1	8/1/01 10:28:00 PM
Carbazole	BRL	10		µg/L	1	8/1/01 10:28:00 PM
Chrysene	BRL	10		µg/L	1	8/1/01 10:28:00 PM
Di-n-butyl phthalate	BRL	10		µg/L	1	8/1/01 10:28:00 PM
Di-n-octyl phthalate	BRL	10		µg/L	1	8/1/01 10:28:00 PM
Dibenz(a,h)anthracene	BRL	10		µg/L	1	8/1/01 10:28:00 PM
Dibenzofuran	BRL	10		µg/L	1	8/1/01 10:28:00 PM
Diethyl phthalate	BRL	10		µg/L	1	8/1/01 10:28:00 PM
Dimethyl phthalate	BRL	10		µg/L	1	8/1/01 10:28:00 PM
Fluoranthene	BRL	10		µg/L	1	8/1/01 10:28:00 PM
Fluorene	BRL	10		µg/L	1	8/1/01 10:28:00 PM
Hexachlorobenzene	BRL	10		µg/L	1	8/1/01 10:28:00 PM
Hexachlorobutadiene	BRL	10		µg/L	1	8/1/01 10:28:00 PM
Hexachlorocyclopentadiene	BRL	10		µg/L	1	8/1/01 10:28:00 PM
Hexachloroethane	BRL	10		µg/L	1	8/1/01 10:28:00 PM
Indeno(1,2,3-cd)pyrene	BRL	10		µg/L	1	8/1/01 10:28:00 PM
Isophorone	BRL	10		µg/L	1	8/1/01 10:28:00 PM
N-Nitrosodi-n-propylamine	BRL	10		µg/L	1	8/1/01 10:28:00 PM
N-Nitrosodiphenylamine	BRL	10		µg/L	1	8/1/01 10:28:00 PM
Naphthalene	BRL	10		µg/L	1	8/1/01 10:28:00 PM
Nitrobenzene	BRL	10		µg/L	1	8/1/01 10:28:00 PM
Pentachlorophenol	BRL	25		µg/L	1	8/1/01 10:28:00 PM
Phenanthrene	BRL	10		µg/L	1	8/1/01 10:28:00 PM
Phenol	BRL	10		µg/L	1	8/1/01 10:28:00 PM
Pyrene	BRL	10		µg/L	1	8/1/01 10:28:00 PM
Surr: 2,4,6-Tribromophenol	102	37-127		%REC	1	8/1/01 10:28:00 PM
Surr: 2-Fluorobiphenyl	80.5	43-110		%REC	1	8/1/01 10:28:00 PM
Surr: 2-Fluorophenol	64.8	13-100		%REC	1	8/1/01 10:28:00 PM

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3_009742

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107642
Project: Ameren-MEW
Lab ID: 0107642-001

Client Sample ID: MW - 5
Collection Date: 7/26/01 2:30:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Surr: 4-Terphenyl-d14	94.3	10-121		%REC	1	8/1/01 10:28:00 PM
Surr: Nitrobenzene-d5	77.2	40-110		%REC	1	8/1/01 10:28:00 PM
Surr: Phenol-d5	87.7	10-121		%REC	1	8/1/01 10:28:00 PM

MEW Site File
Break3_009743

Qualifiers:

BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107642
Project: Ameren-MEW
Lab ID: 0107642-002

Client Sample ID: MW - 7
Collection Date: 7/26/01 3:10:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**				Analyst: **BDW**
Aroclor 1016	BRL	0.50		µg/L	1	7/31/01 2:43:00 PM
Aroclor 1221	BRL	0.50		µg/L	1	7/31/01 2:43:00 PM
Aroclor 1232	BRL	0.50		µg/L	1	7/31/01 2:43:00 PM
Aroclor 1242	BRL	0.50		µg/L	1	7/31/01 2:43:00 PM
Aroclor 1248	BRL	0.50		µg/L	1	7/31/01 2:43:00 PM
Aroclor 1254	BRL	0.50		µg/L	1	7/31/01 2:43:00 PM
Aroclor 1260	BRL	0.50		µg/L	1	7/31/01 2:43:00 PM
Surr: Decachlorobiphenyl	65.8	10-127		%REC	1	7/31/01 2:43:00 PM
Surr: Tetrachloro-m-xylene	43.8	10-144		%REC	1	7/31/01 2:43:00 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **NWH**
1,1,1-Trichloroethane	BRL	5.0		µg/L	1	8/2/01 5:58:00 AM
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/L	1	8/2/01 5:58:00 AM
1,1,2-Trichloroethane	BRL	5.0		µg/L	1	8/2/01 5:58:00 AM
1,1-Dichloroethane	BRL	5.0		µg/L	1	8/2/01 5:58:00 AM
1,1-Dichloroethene	BRL	5.0		µg/L	1	8/2/01 5:58:00 AM
1,2-Dichloroethane	BRL	5.0		µg/L	1	8/2/01 5:58:00 AM
1,2-Dichloropropane	BRL	5.0		µg/L	1	8/2/01 5:58:00 AM
2-Butanone	BRL	10		µg/L	1	8/2/01 5:58:00 AM
2-Hexanone	BRL	10		µg/L	1	8/2/01 5:58:00 AM
4-Methyl-2-pentanone	BRL	10		µg/L	1	8/2/01 5:58:00 AM
Acetone	BRL	5.0		µg/L	1	8/2/01 5:58:00 AM
Benzene	BRL	5.0		µg/L	1	8/2/01 5:58:00 AM
Bromodichloromethane	BRL	5.0		µg/L	1	8/2/01 5:58:00 AM
Bromoform	BRL	5.0		µg/L	1	8/2/01 5:58:00 AM
Bromomethane	BRL	5.0		µg/L	1	8/2/01 5:58:00 AM
Carbon disulfide	BRL	5.0		µg/L	1	8/2/01 5:58:00 AM
Carbon tetrachloride	BRL	5.0		µg/L	1	8/2/01 5:58:00 AM
Chlorobenzene	BRL	5.0		µg/L	1	8/2/01 5:58:00 AM
Chloroethane	BRL	5.0		µg/L	1	8/2/01 5:58:00 AM
Chloroform	BRL	5.0		µg/L	1	8/2/01 5:58:00 AM
Chloromethane	BRL	5.0		µg/L	1	8/2/01 5:58:00 AM
cis-1,3-Dichloropropene	BRL	5.0		µg/L	1	8/2/01 5:58:00 AM
Dibromochloromethane	BRL	5.0		µg/L	1	8/2/01 5:58:00 AM
Ethylbenzene	BRL	5.0		µg/L	1	8/2/01 5:58:00 AM
Methylene chloride	BRL	5.0		µg/L	1	8/2/01 5:58:00 AM
Styrene	BRL	5.0		µg/L	1	8/2/01 5:58:00 AM
Tetrachloroethene	BRL	5.0		µg/L	1	8/2/01 5:58:00 AM
Toluene	BRL	5.0		µg/L	1	8/2/01 5:58:00 AM
trans-1,3-Dichloropropene	BRL	5.0		µg/L	1	8/2/01 5:58:00 AM
Trichloroethene	BRL	5.0		µg/L	1	8/2/01 5:58:00 AM

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3_009744

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107642
Project: Ameren-MEW
Lab ID: 0107642-002

Client Sample ID: MW - 7
Collection Date: 7/26/01 3:10:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Vinyl chloride	BRL	5.0		µg/L	1	8/2/01 5:58:00 AM
1,2-Dichloroethene, Total	BRL	5.0		µg/L	1	8/2/01 5:58:00 AM
Xylenes, Total	BRL	5.0		µg/L	1	8/2/01 5:58:00 AM
Surr: 4-Bromofluorobenzene	92.8	73-111		%REC	1	8/2/01 5:58:00 AM
Surr: Dibromofluoromethane	97.1	86-120		%REC	1	8/2/01 5:58:00 AM
Surr: Toluene-d8	99.5	91-108		%REC	1	8/2/01 5:58:00 AM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**				Analyst: **JMZ**
1,2,4-Trichlorobenzene	BRL	10		µg/L	1	8/1/01 9:53:00 PM
1,2-Dichlorobenzene	BRL	10		µg/L	1	8/1/01 9:53:00 PM
1,3-Dichlorobenzene	BRL	10		µg/L	1	8/1/01 9:53:00 PM
1,4-Dichlorobenzene	BRL	10		µg/L	1	8/1/01 9:53:00 PM
2,4,5-Trichlorophenol	BRL	25		µg/L	1	8/1/01 9:53:00 PM
2,4,6-Trichlorophenol	BRL	10		µg/L	1	8/1/01 9:53:00 PM
2,4-Dichlorophenol	BRL	10		µg/L	1	8/1/01 9:53:00 PM
2,4-Dimethylphenol	BRL	10		µg/L	1	8/1/01 9:53:00 PM
2,4-Dinitrophenol	BRL	25		µg/L	1	8/1/01 9:53:00 PM
2,4-Dinitrotoluene	BRL	10		µg/L	1	8/1/01 9:53:00 PM
2,6-Dinitrotoluene	BRL	10		µg/L	1	8/1/01 9:53:00 PM
2-Chloronaphthalene	BRL	10		µg/L	1	8/1/01 9:53:00 PM
2-Chlorophenol	BRL	10		µg/L	1	8/1/01 9:53:00 PM
2-Methylnaphthalene	BRL	10		µg/L	1	8/1/01 9:53:00 PM
2-Methylphenol	BRL	10		µg/L	1	8/1/01 9:53:00 PM
2-Nitroaniline	BRL	25		µg/L	1	8/1/01 9:53:00 PM
2-Nitrophenol	BRL	10		µg/L	1	8/1/01 9:53:00 PM
3,3'-Dichlorobenzidine	BRL	10		µg/L	1	8/1/01 9:53:00 PM
3-Nitroaniline	BRL	25		µg/L	1	8/1/01 9:53:00 PM
4,6-Dinitro-2-methylphenol	BRL	25		µg/L	1	8/1/01 9:53:00 PM
4-Bromophenyl phenyl ether	BRL	10		µg/L	1	8/1/01 9:53:00 PM
4-Chloro-3-methylphenol	BRL	10		µg/L	1	8/1/01 9:53:00 PM
4-Chloroaniline	BRL	10		µg/L	1	8/1/01 9:53:00 PM
4-Chlorophenyl phenyl ether	BRL	10		µg/L	1	8/1/01 9:53:00 PM
4-Methylphenol	BRL	10		µg/L	1	8/1/01 9:53:00 PM
4-Nitroaniline	BRL	25		µg/L	1	8/1/01 9:53:00 PM
4-Nitrophenol	BRL	25		µg/L	1	8/1/01 9:53:00 PM
Acenaphthene	BRL	10		µg/L	1	8/1/01 9:53:00 PM
Acenaphthylene	BRL	10		µg/L	1	8/1/01 9:53:00 PM
Anthracene	BRL	10		µg/L	1	8/1/01 9:53:00 PM
Benz(a)anthracene	BRL	10		µg/L	1	8/1/01 9:53:00 PM
Benzo(a)pyrene	BRL	10		µg/L	1	8/1/01 9:53:00 PM
Benzo(b)fluoranthene	BRL	10		µg/L	1	8/1/01 9:53:00 PM
Benzo(g,h,i)perylene	BRL	10		µg/L	1	8/1/01 9:53:00 PM

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3_009745

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107642
Project: Ameren-MEW
Lab ID: 0107642-002

Client Sample ID: MW - 7
Collection Date: 7/26/01 3:10:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Benzo(k)fluoranthene	BRL	10		µg/L	1	8/1/01 9:53:00 PM
Bis(2-chloroethoxy)methane	BRL	10		µg/L	1	8/1/01 9:53:00 PM
Bis(2-chloroethyl)ether	BRL	10		µg/L	1	8/1/01 9:53:00 PM
Bis(2-chloroisopropyl)ether	BRL	10		µg/L	1	8/1/01 9:53:00 PM
Bis(2-ethylhexyl)phthalate	BRL	10		µg/L	1	8/1/01 9:53:00 PM
Butyl benzyl phthalate	BRL	10		µg/L	1	8/1/01 9:53:00 PM
Carbazole	BRL	10		µg/L	1	8/1/01 9:53:00 PM
Chrysene	BRL	10		µg/L	1	8/1/01 9:53:00 PM
Di-n-butyl phthalate	BRL	10		µg/L	1	8/1/01 9:53:00 PM
Di-n-octyl phthalate	BRL	10		µg/L	1	8/1/01 9:53:00 PM
Dibenz(a,h)anthracene	BRL	10		µg/L	1	8/1/01 9:53:00 PM
Dibenzofuran	BRL	10		µg/L	1	8/1/01 9:53:00 PM
Diethyl phthalate	BRL	10		µg/L	1	8/1/01 9:53:00 PM
Dimethyl phthalate	BRL	10		µg/L	1	8/1/01 9:53:00 PM
Fluoranthene	BRL	10		µg/L	1	8/1/01 9:53:00 PM
Fluorene	BRL	10		µg/L	1	8/1/01 9:53:00 PM
Hexachlorobenzene	BRL	10		µg/L	1	8/1/01 9:53:00 PM
Hexachlorobutadiene	BRL	10		µg/L	1	8/1/01 9:53:00 PM
Hexachlorocyclopentadiene	BRL	10		µg/L	1	8/1/01 9:53:00 PM
Hexachloroethane	BRL	10		µg/L	1	8/1/01 9:53:00 PM
Indeno(1,2,3-cd)pyrene	BRL	10		µg/L	1	8/1/01 9:53:00 PM
Isophorone	BRL	10		µg/L	1	8/1/01 9:53:00 PM
N-Nitrosodi-n-propylamine	BRL	10		µg/L	1	8/1/01 9:53:00 PM
N-Nitrosodiphenylamine	BRL	10		µg/L	1	8/1/01 9:53:00 PM
Naphthalene	BRL	10		µg/L	1	8/1/01 9:53:00 PM
Nitrobenzene	BRL	10		µg/L	1	8/1/01 9:53:00 PM
Pentachlorophenol	BRL	25		µg/L	1	8/1/01 9:53:00 PM
Phenanthrene	BRL	10		µg/L	1	8/1/01 9:53:00 PM
Phenol	BRL	10		µg/L	1	8/1/01 9:53:00 PM
Pyrene	BRL	10		µg/L	1	8/1/01 9:53:00 PM
Surr: 2,4,6-Tribromophenol	98.6	37-127		%REC	1	8/1/01 9:53:00 PM
Surr: 2-Fluorobiphenyl	73.8	43-110		%REC	1	8/1/01 9:53:00 PM
Surr: 2-Fluorophenol	53.5	13-100		%REC	1	8/1/01 9:53:00 PM
Surr: 4-Terphenyl-d14	88.6	10-121		%REC	1	8/1/01 9:53:00 PM
Surr: Nitrobenzene-d5	66.4	40-110		%REC	1	8/1/01 9:53:00 PM
Surr: Phenol-d5	28.6	10-121		%REC	1	8/1/01 9:53:00 PM

MEW Site File
Break3_009746

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107642
Project: Ameren-MEW
Lab ID: 0107642-003

Client Sample ID: MW - 11A
Collection Date: 7/26/01 5:00:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**				Analyst: **BDW**
Aroclor 1016	BRL	0.50		µg/L	1	7/31/01 3:06:00 PM
Aroclor 1221	BRL	0.50		µg/L	1	7/31/01 3:06:00 PM
Aroclor 1232	BRL	0.50		µg/L	1	7/31/01 3:06:00 PM
Aroclor 1242	BRL	0.50		µg/L	1	7/31/01 3:06:00 PM
Aroclor 1248	BRL	0.50		µg/L	1	7/31/01 3:06:00 PM
Aroclor 1254	BRL	0.50		µg/L	1	7/31/01 3:06:00 PM
Aroclor 1260	BRL	0.50		µg/L	1	7/31/01 3:06:00 PM
Surr: Decachlorobiphenyl	66.1	10-127		%REC	1	7/31/01 3:06:00 PM
Surr: Tetrachloro-m-xylene	38.3	10-144		%REC	1	7/31/01 3:06:00 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **NWH**
1,1,1-Trichloroethane	BRL	5.0		µg/L	1	8/2/01 6:31:00 AM
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/L	1	8/2/01 6:31:00 AM
1,1,2-Trichloroethane	BRL	5.0		µg/L	1	8/2/01 6:31:00 AM
1,1-Dichloroethane	BRL	5.0		µg/L	1	8/2/01 6:31:00 AM
1,1-Dichloroethene	BRL	5.0		µg/L	1	8/2/01 6:31:00 AM
1,2-Dichloroethane	BRL	5.0		µg/L	1	8/2/01 6:31:00 AM
1,2-Dichloropropane	BRL	5.0		µg/L	1	8/2/01 6:31:00 AM
2-Butanone	BRL	10		µg/L	1	8/2/01 6:31:00 AM
2-Hexanone	BRL	10		µg/L	1	8/2/01 6:31:00 AM
4-Methyl-2-pentanone	BRL	10		µg/L	1	8/2/01 6:31:00 AM
Acetone	BRL	5.0		µg/L	1	8/2/01 6:31:00 AM
Benzene	BRL	5.0		µg/L	1	8/2/01 6:31:00 AM
Bromodichloromethane	BRL	5.0		µg/L	1	8/2/01 6:31:00 AM
Bromoform	BRL	5.0		µg/L	1	8/2/01 6:31:00 AM
Bromomethane	BRL	5.0		µg/L	1	8/2/01 6:31:00 AM
Carbon disulfide	BRL	5.0		µg/L	1	8/2/01 6:31:00 AM
Carbon tetrachloride	BRL	5.0		µg/L	1	8/2/01 6:31:00 AM
Chlorobenzene	BRL	5.0		µg/L	1	8/2/01 6:31:00 AM
Chloroethane	BRL	5.0		µg/L	1	8/2/01 6:31:00 AM
Chloroform	BRL	5.0		µg/L	1	8/2/01 6:31:00 AM
Chloromethane	BRL	5.0		µg/L	1	8/2/01 6:31:00 AM
cis-1,3-Dichloropropene	BRL	5.0		µg/L	1	8/2/01 6:31:00 AM
Dibromochloromethane	BRL	5.0		µg/L	1	8/2/01 6:31:00 AM
Ethylbenzene	BRL	5.0		µg/L	1	8/2/01 6:31:00 AM
Methylene chloride	BRL	5.0		µg/L	1	8/2/01 6:31:00 AM
Styrene	BRL	5.0		µg/L	1	8/2/01 6:31:00 AM
Tetrachloroethene	BRL	5.0		µg/L	1	8/2/01 6:31:00 AM
Toluene	BRL	5.0		µg/L	1	8/2/01 6:31:00 AM
trans-1,3-Dichloropropene	BRL	5.0		µg/L	1	8/2/01 6:31:00 AM
Trichloroethene	BRL	5.0		µg/L	1	8/2/01 6:31:00 AM

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3_009747

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107642
Project: Ameren-MEW
Lab ID: 0107642-003

Client Sample ID: MW - 11A
Collection Date: 7/26/01 5:00:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Vinyl chloride	BRL	5.0		µg/L	1	8/2/01 6:31:00 AM
1,2-Dichloroethene, Total	BRL	5.0		µg/L	1	8/2/01 6:31:00 AM
Xylenes, Total	BRL	5.0		µg/L	1	8/2/01 6:31:00 AM
Surr: 4-Bromofluorobenzene	93.4	73-111		%REC	1	8/2/01 6:31:00 AM
Surr: Dibromofluoromethane	100	86-120		%REC	1	8/2/01 6:31:00 AM
Surr: Toluene-d8	101	91-108		%REC	1	8/2/01 6:31:00 AM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**				Analyst: **JMZ**
1,2,4-Trichlorobenzene	BRL	10		µg/L	1	8/1/01 9:18:00 PM
1,2-Dichlorobenzene	BRL	10		µg/L	1	8/1/01 9:18:00 PM
1,3-Dichlorobenzene	BRL	10		µg/L	1	8/1/01 9:18:00 PM
1,4-Dichlorobenzene	BRL	10		µg/L	1	8/1/01 9:18:00 PM
2,4,5-Trichlorophenol	BRL	25		µg/L	1	8/1/01 9:18:00 PM
2,4,6-Trichlorophenol	BRL	10		µg/L	1	8/1/01 9:18:00 PM
2,4-Dichlorophenol	BRL	10		µg/L	1	8/1/01 9:18:00 PM
2,4-Dimethylphenol	BRL	10		µg/L	1	8/1/01 9:18:00 PM
2,4-Dinitrophenol	BRL	25		µg/L	1	8/1/01 9:18:00 PM
2,4-Dinitrotoluene	BRL	10		µg/L	1	8/1/01 9:18:00 PM
2,6-Dinitrotoluene	BRL	10		µg/L	1	8/1/01 9:18:00 PM
2-Chloronaphthalene	BRL	10		µg/L	1	8/1/01 9:18:00 PM
2-Chlorophenol	BRL	10		µg/L	1	8/1/01 9:18:00 PM
2-Methylnaphthalene	BRL	10		µg/L	1	8/1/01 9:18:00 PM
2-Methylphenol	BRL	10		µg/L	1	8/1/01 9:18:00 PM
2-Nitroaniline	BRL	25		µg/L	1	8/1/01 9:18:00 PM
2-Nitrophenol	BRL	10		µg/L	1	8/1/01 9:18:00 PM
3,3'-Dichlorobenzidine	BRL	10		µg/L	1	8/1/01 9:18:00 PM
3-Nitroaniline	BRL	25		µg/L	1	8/1/01 9:18:00 PM
4,6-Dinitro-2-methylphenol	BRL	25		µg/L	1	8/1/01 9:18:00 PM
4-Bromophenyl phenyl ether	BRL	10		µg/L	1	8/1/01 9:18:00 PM
4-Chloro-3-methylphenol	BRL	10		µg/L	1	8/1/01 9:18:00 PM
4-Chloroaniline	BRL	10		µg/L	1	8/1/01 9:18:00 PM
4-Chlorophenyl phenyl ether	BRL	10		µg/L	1	8/1/01 9:18:00 PM
4-Methylphenol	BRL	10		µg/L	1	8/1/01 9:18:00 PM
4-Nitroaniline	BRL	25		µg/L	1	8/1/01 9:18:00 PM
4-Nitrophenol	BRL	25		µg/L	1	8/1/01 9:18:00 PM
Acenaphthene	BRL	10		µg/L	1	8/1/01 9:18:00 PM
Acenaphthylene	BRL	10		µg/L	1	8/1/01 9:18:00 PM
Anthracene	BRL	10		µg/L	1	8/1/01 9:18:00 PM
Benz(a)anthracene	BRL	10		µg/L	1	8/1/01 9:18:00 PM
Benzo(a)pyrene	BRL	10		µg/L	1	8/1/01 9:18:00 PM
Benzo(b)fluoranthene	BRL	10		µg/L	1	8/1/01 9:18:00 PM
Benzo(g,h,i)perylene	BRL	10		µg/L	1	8/1/01 9:18:00 PM

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3_009748

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107642
Project: Ameren-MEW
Lab ID: 0107642-003

Client Sample ID: MW - 11A
Collection Date: 7/26/01 5:00:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Benzo(k)fluoranthene	BRL	10		µg/L	1	8/1/01 9:18:00 PM
Bis(2-chloroethoxy)methane	BRL	10		µg/L	1	8/1/01 9:18:00 PM
Bis(2-chloroethyl)ether	BRL	10		µg/L	1	8/1/01 9:18:00 PM
Bis(2-chloroisopropyl)ether	BRL	10		µg/L	1	8/1/01 9:18:00 PM
Bis(2-ethylhexyl)phthalate	BRL	10		µg/L	1	8/1/01 9:18:00 PM
Butyl benzyl phthalate	BRL	10		µg/L	1	8/1/01 9:18:00 PM
Carbazole	BRL	10		µg/L	1	8/1/01 9:18:00 PM
Chrysene	BRL	10		µg/L	1	8/1/01 9:18:00 PM
Di-n-butyl phthalate	BRL	10		µg/L	1	8/1/01 9:18:00 PM
Di-n-octyl phthalate	BRL	10		µg/L	1	8/1/01 9:18:00 PM
Dibenz(a,h)anthracene	BRL	10		µg/L	1	8/1/01 9:18:00 PM
Dibenzofuran	BRL	10		µg/L	1	8/1/01 9:18:00 PM
Diethyl phthalate	BRL	10		µg/L	1	8/1/01 9:18:00 PM
Dimethyl phthalate	BRL	10		µg/L	1	8/1/01 9:18:00 PM
Fluoranthene	BRL	10		µg/L	1	8/1/01 9:18:00 PM
Fluorene	BRL	10		µg/L	1	8/1/01 9:18:00 PM
Hexachlorobenzene	BRL	10		µg/L	1	8/1/01 9:18:00 PM
Hexachlorobutadiene	BRL	10		µg/L	1	8/1/01 9:18:00 PM
Hexachlorocyclopentadiene	BRL	10		µg/L	1	8/1/01 9:18:00 PM
Hexachloroethane	BRL	10		µg/L	1	8/1/01 9:18:00 PM
Indeno(1,2,3-cd)pyrene	BRL	10		µg/L	1	8/1/01 9:18:00 PM
Isophorone	BRL	10		µg/L	1	8/1/01 9:18:00 PM
N-Nitrosodi-n-propylamine	BRL	10		µg/L	1	8/1/01 9:18:00 PM
N-Nitrosodiphenylamine	BRL	10		µg/L	1	8/1/01 9:18:00 PM
Naphthalene	BRL	10		µg/L	1	8/1/01 9:18:00 PM
Nitrobenzene	BRL	10		µg/L	1	8/1/01 9:18:00 PM
Pentachlorophenol	BRL	25		µg/L	1	8/1/01 9:18:00 PM
Phenanthrene	BRL	10		µg/L	1	8/1/01 9:18:00 PM
Phenol	BRL	10		µg/L	1	8/1/01 9:18:00 PM
Pyrene	BRL	10		µg/L	1	8/1/01 9:18:00 PM
Surr: 2,4,6-Tribromophenol	92.3	37-127		%REC	1	8/1/01 9:18:00 PM
Surr: 2-Fluorobiphenyl	71.6	43-110		%REC	1	8/1/01 9:18:00 PM
Surr: 2-Fluorophenol	39.2	13-100		%REC	1	8/1/01 9:18:00 PM
Surr: 4-Terphenyl-d14	85.6	10-121		%REC	1	8/1/01 9:18:00 PM
Surr: Nitrobenzene-d5	60.1	40-110		%REC	1	8/1/01 9:18:00 PM
Surr: Phenol-d5	61.5	10-121		%REC	1	8/1/01 9:18:00 PM

MEW Site File
Break3_009749

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES

August 03, 2001

Dean Mitchell
Komex.H2O Science, Inc.
5500 Bolsa Avenue
Suite 105
Huntington Beach, CA 92649
TEL: (714) 379-1157
FAX (714) 379-1160

RE: Ameren-MEW Order No.: 0107641

Dear Dean Mitchell:

Analytical Environmental Servs, Inc. received 3 samples on 7/27/01 11:30:00 AM for the analyses presented in the following report.

No problems were encountered during analyses. Additionally, all results for the associated quality control samples were within EPA and/or AES established limits except where noted in the project Case Narrative.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Jason Allway
for
Mehmet Yildirim
Laboratory Manager

MEW Site File
Break3_009750

RECEIVED
AUG 10 2001

3781 PRESIDENTIAL PARKWAY, SUITE 111 • ATLANTA, GEORGIA 30340 • TEL: (770) 457-8177 • FAX: (770) 457-8188

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3781 Presidential Parkway, Suite 111, Atlanta GA 30340-0370

TEL: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

MEW Site File

Break3_009751

Work Order: 010641

Date: 26 July 01 Page 1 of 1

COMPANY: Komex

ADDRESS: 5700 Bolsa Ave #105, Huntington Beach CA 92649

PHONE: 714 372 1157

FAX: 714 372 1160

SAMPLED BY: D Mitchell

SIGNATURE: [signature]

ANALYSIS REQUESTED: 8260B, 8270C, 8082

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	8260B	8270C	8082	REMARKS	No # of Containers	
	MW-3	26 July 01	0645	X		GW	X	X	X		6	1
	FB-1	"	0715	X		W	X	X			2	2
	TB-3	—	—	—		W	X	X			2	3

PRESERVATION

RELINQUISHED BY	DATE TIME	RECEIVED BY	DATE TIME
1 D Mitchell	26 July 01 0830	1 FedEx	26 July 01 0830
2		2 [signature]	7/27/01 1130 AM
3		3	

PROJECT INFORMATION

PROJECT NAME: MGW

PROJECT #: 93-013

FAC ID#:

SITE ADDRESS: Cape Girardeau, MO

PROJECT MANAGER: Dean Mitchell

INVOICE TO (IF DIFFERENT FROM ABOVE):

RECEIPT

Total # of Containers:

Turnaround Time Request

- [x] Standard 3-5 Business Days
- [ ] Same Day Rush (auth req.)
- [ ] Next Business Day Rush
- [ ] 2 Business Day Rush
- [ ] Other

PROGRAM (see codes):

DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS: If PCB detected in unfiltered sample, then filter and analyze for PCBs again

PO#:

QUOTE/CONTRACT #:

SHIPMENT METHOD

OUT: VIA:

IN: VIA:

CLIENT FedEx UPS MAIL COURIER GREYHOUND OTHER

MATRIX CODES: A - Air GW - Groundwater SE - Sediment SO - Soil SW - Surface Water W - Water (Blanks) O - Other (specify)

PRESERVATIVE CODES: H - Hydrochloric acid + ice I - Ice only N - Nitric acid + ice S - Sulfuric acid + ice O - Other (specify) NA - None

PROGRAM: FUSF FUDC AFUSF INUSF MSUSF NCUSF SCUSF GAUSF GACONV FCONV

White Copy - ORIGINAL, Yellow Copy - LAB, Pink Copy - CLIENT

Analytical Environmental Servs, Inc. **Date:** *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Project: Ameren-MEW
Lab Order: 0107641

CASE NARRATIVE

Sample ID MW-3 indicated a Aroclor 1260 hit of 1.1 µg/L. We have filtered the sample and reanalyzed it and all the Aroclors were Less than the Reporting Limit. There are two sets of PCB results reported for MW-3. The earliest date and time analyzed is the total PCBs and the later date and time is the dissolved PCBs.

MEW Site File
Break3_009752

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107641
Project: Ameren-MEW
Lab ID: 0107641-001

Client Sample ID: MW - 3
Collection Date: 7/26/01 6:45:00 AM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**				Analyst: **BDW**
Aroclor 1016	BRL	0.50		µg/L	1	7/31/01 3:33:00 PM
Aroclor 1016	BRL	0.50		µg/L	1	8/1/01 6:43:00 PM
Aroclor 1221	BRL	0.50		µg/L	1	7/31/01 3:33:00 PM
Aroclor 1221	BRL	0.50		µg/L	1	8/1/01 6:43:00 PM
Aroclor 1232	BRL	0.50		µg/L	1	7/31/01 3:33:00 PM
Aroclor 1232	BRL	0.50		µg/L	1	8/1/01 6:43:00 PM
Aroclor 1242	BRL	0.50		µg/L	1	7/31/01 3:33:00 PM
Aroclor 1242	BRL	0.50		µg/L	1	8/1/01 6:43:00 PM
Aroclor 1248	BRL	0.50		µg/L	1	7/31/01 3:33:00 PM
Aroclor 1248	BRL	0.50		µg/L	1	8/1/01 6:43:00 PM
Aroclor 1254	BRL	0.50		µg/L	1	8/1/01 6:43:00 PM
Aroclor 1254	BRL	0.50		µg/L	1	7/31/01 3:33:00 PM
Aroclor 1260	BRL	0.50		µg/L	1	8/1/01 6:43:00 PM
Aroclor 1260	1.1	0.50		µg/L	1	7/31/01 3:33:00 PM
Surr: Decachlorobiphenyl	20.5	10-127		%REC	1	8/1/01 6:43:00 PM
Surr: Decachlorobiphenyl	105	10-127		%REC	1	7/31/01 3:33:00 PM
Surr: Tetrachloro-m-xylene	29.0	10-144		%REC	1	8/1/01 6:43:00 PM
Surr: Tetrachloro-m-xylene	110	10-144		%REC	1	7/31/01 3:33:00 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **NWH**
1,1,1-Trichloroethane	BRL	5.0		µg/L	1	8/2/01 4:17:00 AM
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/L	1	8/2/01 4:17:00 AM
1,1,2-Trichloroethane	BRL	5.0		µg/L	1	8/2/01 4:17:00 AM
1,1-Dichloroethane	BRL	5.0		µg/L	1	8/2/01 4:17:00 AM
1,1-Dichloroethene	BRL	5.0		µg/L	1	8/2/01 4:17:00 AM
1,2-Dichloroethane	BRL	5.0		µg/L	1	8/2/01 4:17:00 AM
1,2-Dichloropropane	BRL	5.0		µg/L	1	8/2/01 4:17:00 AM
2-Butanone	BRL	10		µg/L	1	8/2/01 4:17:00 AM
2-Hexanone	BRL	10		µg/L	1	8/2/01 4:17:00 AM
4-Methyl-2-pentanone	BRL	10		µg/L	1	8/2/01 4:17:00 AM
Acetone	BRL	5.0		µg/L	1	8/2/01 4:17:00 AM
Benzene	5.6	5.0		µg/L	1	8/2/01 4:17:00 AM
Bromodichloromethane	BRL	5.0		µg/L	1	8/2/01 4:17:00 AM
Bromoform	BRL	5.0		µg/L	1	8/2/01 4:17:00 AM
Bromomethane	BRL	5.0		µg/L	1	8/2/01 4:17:00 AM
Carbon disulfide	BRL	5.0		µg/L	1	8/2/01 4:17:00 AM
Carbon tetrachloride	BRL	5.0		µg/L	1	8/2/01 4:17:00 AM
Chlorobenzene	320	50		µg/L	10	8/2/01 6:06:00 PM
Chloroethane	BRL	5.0		µg/L	1	8/2/01 4:17:00 AM
Chloroform	BRL	5.0		µg/L	1	8/2/01 4:17:00 AM
Chloromethane	BRL	5.0		µg/L	1	8/2/01 4:17:00 AM

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3_009753

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107641
Project: Ameren-MEW
Lab ID: 0107641-001

Client Sample ID: MW - 3
Collection Date: 7/26/01 6:45:00 AM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
cis-1,3-Dichloropropene	BRL	5.0		µg/L	1	8/2/01 4:17:00 AM
Dibromochloromethane	BRL	5.0		µg/L	1	8/2/01 4:17:00 AM
Ethylbenzene	BRL	5.0		µg/L	1	8/2/01 4:17:00 AM
Methylene chloride	BRL	5.0		µg/L	1	8/2/01 4:17:00 AM
Styrene	BRL	5.0		µg/L	1	8/2/01 4:17:00 AM
Tetrachloroethene	BRL	5.0		µg/L	1	8/2/01 4:17:00 AM
Toluene	BRL	5.0		µg/L	1	8/2/01 4:17:00 AM
trans-1,3-Dichloropropene	BRL	5.0		µg/L	1	8/2/01 4:17:00 AM
Trichloroethene	BRL	5.0		µg/L	1	8/2/01 4:17:00 AM
Vinyl chloride	BRL	5.0		µg/L	1	8/2/01 4:17:00 AM
1,2-Dichloroethene, Total	BRL	5.0		µg/L	1	8/2/01 4:17:00 AM
Xylenes, Total	BRL	5.0		µg/L	1	8/2/01 4:17:00 AM
Surr: 4-Bromofluorobenzene	94.6	73-111		%REC	1	8/2/01 4:17:00 AM
Surr: 4-Bromofluorobenzene	94.0	73-111		%REC	10	8/2/01 6:06:00 PM
Surr: Dibromofluoromethane	98.9	86-120		%REC	10	8/2/01 6:06:00 PM
Surr: Dibromofluoromethane	99.3	86-120		%REC	1	8/2/01 4:17:00 AM
Surr: Toluene-d8	99.9	91-108		%REC	1	8/2/01 4:17:00 AM
Surr: Toluene-d8	98.2	91-108		%REC	10	8/2/01 6:06:00 PM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**				Analyst: **JMZ**
1,2,4-Trichlorobenzene	BRL	10		µg/L	1	8/1/01 4:10:00 PM
1,2-Dichlorobenzene	BRL	10		µg/L	1	8/1/01 4:10:00 PM
1,3-Dichlorobenzene	BRL	10		µg/L	1	8/1/01 4:10:00 PM
1,4-Dichlorobenzene	16	10		µg/L	1	8/1/01 4:10:00 PM
2,4,5-Trichlorophenol	BRL	25		µg/L	1	8/1/01 4:10:00 PM
2,4,6-Trichlorophenol	BRL	10		µg/L	1	8/1/01 4:10:00 PM
2,4-Dichlorophenol	BRL	10		µg/L	1	8/1/01 4:10:00 PM
2,4-Dimethylphenol	BRL	10		µg/L	1	8/1/01 4:10:00 PM
2,4-Dinitrophenol	BRL	25		µg/L	1	8/1/01 4:10:00 PM
2,4-Dinitrotoluene	BRL	10		µg/L	1	8/1/01 4:10:00 PM
2,6-Dinitrotoluene	BRL	10		µg/L	1	8/1/01 4:10:00 PM
2-Chloronaphthalene	BRL	10		µg/L	1	8/1/01 4:10:00 PM
2-Chlorophenol	BRL	10		µg/L	1	8/1/01 4:10:00 PM
2-Methylnaphthalene	BRL	10		µg/L	1	8/1/01 4:10:00 PM
2-Methylphenol	BRL	10		µg/L	1	8/1/01 4:10:00 PM
2-Nitroaniline	BRL	25		µg/L	1	8/1/01 4:10:00 PM
2-Nitrophenol	BRL	10		µg/L	1	8/1/01 4:10:00 PM
3,3'-Dichlorobenzidine	BRL	10		µg/L	1	8/1/01 4:10:00 PM
3-Nitroaniline	BRL	25		µg/L	1	8/1/01 4:10:00 PM
4,6-Dinitro-2-methylphenol	BRL	25		µg/L	1	8/1/01 4:10:00 PM
4-Bromophenyl phenyl ether	BRL	10		µg/L	1	8/1/01 4:10:00 PM
4-Chloro-3-methylphenol	BRL	10		µg/L	1	8/1/01 4:10:00 PM

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3_009754

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107641
Project: Ameren-MEW
Lab ID: 0107641-001

Client Sample ID: MW - 3
Collection Date: 7/26/01 6:45:00 AM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
4-Chloroaniline	BRL	10		µg/L	1	8/1/01 4:10:00 PM
4-Chlorophenyl phenyl ether	BRL	10		µg/L	1	8/1/01 4:10:00 PM
4-Methylphenol	BRL	10		µg/L	1	8/1/01 4:10:00 PM
4-Nitroaniline	BRL	25		µg/L	1	8/1/01 4:10:00 PM
4-Nitrophenol	BRL	25		µg/L	1	8/1/01 4:10:00 PM
Acenaphthene	BRL	10		µg/L	1	8/1/01 4:10:00 PM
Acenaphthylene	BRL	10		µg/L	1	8/1/01 4:10:00 PM
Anthracene	BRL	10		µg/L	1	8/1/01 4:10:00 PM
Benz(a)anthracene	BRL	10		µg/L	1	8/1/01 4:10:00 PM
Benzo(a)pyrene	BRL	10		µg/L	1	8/1/01 4:10:00 PM
Benzo(b)fluoranthene	BRL	10		µg/L	1	8/1/01 4:10:00 PM
Benzo(g,h,i)perylene	BRL	10		µg/L	1	8/1/01 4:10:00 PM
Benzo(k)fluoranthene	BRL	10		µg/L	1	8/1/01 4:10:00 PM
Bis(2-chloroethoxy)methane	BRL	10		µg/L	1	8/1/01 4:10:00 PM
Bis(2-chloroethyl)ether	BRL	10		µg/L	1	8/1/01 4:10:00 PM
Bis(2-chloroisopropyl)ether	BRL	10		µg/L	1	8/1/01 4:10:00 PM
Bis(2-ethylhexyl)phthalate	BRL	10		µg/L	1	8/1/01 4:10:00 PM
Butyl benzyl phthalate	BRL	10		µg/L	1	8/1/01 4:10:00 PM
Carbazole	BRL	10		µg/L	1	8/1/01 4:10:00 PM
Chrysene	BRL	10		µg/L	1	8/1/01 4:10:00 PM
Di-n-butyl phthalate	BRL	10		µg/L	1	8/1/01 4:10:00 PM
Di-n-octyl phthalate	BRL	10		µg/L	1	8/1/01 4:10:00 PM
Dibenz(a,h)anthracene	BRL	10		µg/L	1	8/1/01 4:10:00 PM
Dibenzofuran	BRL	10		µg/L	1	8/1/01 4:10:00 PM
Diethyl phthalate	BRL	10		µg/L	1	8/1/01 4:10:00 PM
Dimethyl phthalate	BRL	10		µg/L	1	8/1/01 4:10:00 PM
Fluoranthene	BRL	10		µg/L	1	8/1/01 4:10:00 PM
Fluorene	BRL	10		µg/L	1	8/1/01 4:10:00 PM
Hexachlorobenzene	BRL	10		µg/L	1	8/1/01 4:10:00 PM
Hexachlorobutadiene	BRL	10		µg/L	1	8/1/01 4:10:00 PM
Hexachlorocyclopentadiene	BRL	10		µg/L	1	8/1/01 4:10:00 PM
Hexachloroethane	BRL	10		µg/L	1	8/1/01 4:10:00 PM
Indeno(1,2,3-cd)pyrene	BRL	10		µg/L	1	8/1/01 4:10:00 PM
Isophorone	BRL	10		µg/L	1	8/1/01 4:10:00 PM
N-Nitrosodi-n-propylamine	BRL	10		µg/L	1	8/1/01 4:10:00 PM
N-Nitrosodiphenylamine	BRL	10		µg/L	1	8/1/01 4:10:00 PM
Naphthalene	BRL	10		µg/L	1	8/1/01 4:10:00 PM
Nitrobenzene	BRL	10		µg/L	1	8/1/01 4:10:00 PM
Pentachlorophenol	BRL	25		µg/L	1	8/1/01 4:10:00 PM
Phenanthrene	BRL	10		µg/L	1	8/1/01 4:10:00 PM
Phenol	BRL	10		µg/L	1	8/1/01 4:10:00 PM
Pyrene	BRL	10		µg/L	1	8/1/01 4:10:00 PM

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3_009755

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107641
Project: Ameren-MEW
Lab ID: 0107641-001

Client Sample ID: MW - 3
Collection Date: 7/26/01 6:45:00 AM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Surr: 2,4,6-Tribromophenol	102	37-127		%REC	1	8/1/01 4:10:00 PM
Surr: 2-Fluorobiphenyl	85.2	43-110		%REC	1	8/1/01 4:10:00 PM
Surr: 2-Fluorophenol	49.4	13-100		%REC	1	8/1/01 4:10:00 PM
Surr: 4-Terphenyl-d14	88.9	10-121		%REC	1	8/1/01 4:10:00 PM
Surr: Nitrobenzene-d5	73.9	40-110		%REC	1	8/1/01 4:10:00 PM
Surr: Phenol-d5	75.5	10-121		%REC	1	8/1/01 4:10:00 PM

MEW Site File
Break3_009756

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107641
Project: Ameren-MEW
Lab ID: 0107641-002

Client Sample ID: FB - 1
Collection Date: 7/26/01 7:15:00 AM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **NWH**
1,1,1-Trichloroethane	BRL	5.0		µg/L	1	8/2/01 4:51:00 AM
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/L	1	8/2/01 4:51:00 AM
1,1,2-Trichloroethane	BRL	5.0		µg/L	1	8/2/01 4:51:00 AM
1,1-Dichloroethane	BRL	5.0		µg/L	1	8/2/01 4:51:00 AM
1,1-Dichloroethene	BRL	5.0		µg/L	1	8/2/01 4:51:00 AM
1,2-Dichloroethane	BRL	5.0		µg/L	1	8/2/01 4:51:00 AM
1,2-Dichloropropane	BRL	5.0		µg/L	1	8/2/01 4:51:00 AM
2-Butanone	BRL	10		µg/L	1	8/2/01 4:51:00 AM
2-Hexanone	BRL	10		µg/L	1	8/2/01 4:51:00 AM
4-Methyl-2-pentanone	BRL	10		µg/L	1	8/2/01 4:51:00 AM
Acetone	BRL	5.0		µg/L	1	8/2/01 4:51:00 AM
Benzene	BRL	5.0		µg/L	1	8/2/01 4:51:00 AM
Bromodichloromethane	BRL	5.0		µg/L	1	8/2/01 4:51:00 AM
Bromoform	BRL	5.0		µg/L	1	8/2/01 4:51:00 AM
Bromomethane	BRL	5.0		µg/L	1	8/2/01 4:51:00 AM
Carbon disulfide	BRL	5.0		µg/L	1	8/2/01 4:51:00 AM
Carbon tetrachloride	BRL	5.0		µg/L	1	8/2/01 4:51:00 AM
Chlorobenzene	BRL	5.0		µg/L	1	8/2/01 4:51:00 AM
Chloroethane	BRL	5.0		µg/L	1	8/2/01 4:51:00 AM
Chloroform	BRL	5.0		µg/L	1	8/2/01 4:51:00 AM
Chloromethane	BRL	5.0		µg/L	1	8/2/01 4:51:00 AM
cis-1,3-Dichloropropene	BRL	5.0		µg/L	1	8/2/01 4:51:00 AM
Dibromochloromethane	BRL	5.0		µg/L	1	8/2/01 4:51:00 AM
Ethylbenzene	BRL	5.0		µg/L	1	8/2/01 4:51:00 AM
Methylene chloride	BRL	5.0		µg/L	1	8/2/01 4:51:00 AM
Styrene	BRL	5.0		µg/L	1	8/2/01 4:51:00 AM
Tetrachloroethene	BRL	5.0		µg/L	1	8/2/01 4:51:00 AM
Toluene	BRL	5.0		µg/L	1	8/2/01 4:51:00 AM
trans-1,3-Dichloropropene	BRL	5.0		µg/L	1	8/2/01 4:51:00 AM
Trichloroethene	BRL	5.0		µg/L	1	8/2/01 4:51:00 AM
Vinyl chloride	BRL	5.0		µg/L	1	8/2/01 4:51:00 AM
1,2-Dichloroethene, Total	BRL	5.0		µg/L	1	8/2/01 4:51:00 AM
Xylenes, Total	BRL	5.0		µg/L	1	8/2/01 4:51:00 AM
Surr: 4-Bromofluorobenzene	94.3	73-111		%REC	1	8/2/01 4:51:00 AM
Surr: Dibromofluoromethane	98.6	86-120		%REC	1	8/2/01 4:51:00 AM
Surr: Toluene-d8	96.6	91-108		%REC	1	8/2/01 4:51:00 AM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**				Analyst: **JMZ**
1,2,4-Trichlorobenzene	BRL	10		µg/L	1	8/1/01 8:44:00 PM
1,2-Dichlorobenzene	BRL	10		µg/L	1	8/1/01 8:44:00 PM
1,3-Dichlorobenzene	BRL	10		µg/L	1	8/1/01 8:44:00 PM

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3_009757

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107641
Project: Ameren-MEW
Lab ID: 0107641-002

Client Sample ID: FB - 1
Collection Date: 7/26/01 7:15:00 AM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1,4-Dichlorobenzene	BRL	10		µg/L	1	8/1/01 8:44:00 PM
2,4,5-Trichlorophenol	BRL	25		µg/L	1	8/1/01 8:44:00 PM
2,4,6-Trichlorophenol	BRL	10		µg/L	1	8/1/01 8:44:00 PM
2,4-Dichlorophenol	BRL	10		µg/L	1	8/1/01 8:44:00 PM
2,4-Dimethylphenol	BRL	10		µg/L	1	8/1/01 8:44:00 PM
2,4-Dinitrophenol	BRL	25		µg/L	1	8/1/01 8:44:00 PM
2,4-Dinitrotoluene	BRL	10		µg/L	1	8/1/01 8:44:00 PM
2,6-Dinitrotoluene	BRL	10		µg/L	1	8/1/01 8:44:00 PM
2-Chloronaphthalene	BRL	10		µg/L	1	8/1/01 8:44:00 PM
2-Chlorophenol	BRL	10		µg/L	1	8/1/01 8:44:00 PM
2-Methylnaphthalene	BRL	10		µg/L	1	8/1/01 8:44:00 PM
2-Methylphenol	BRL	10		µg/L	1	8/1/01 8:44:00 PM
2-Nitroaniline	BRL	25		µg/L	1	8/1/01 8:44:00 PM
2-Nitrophenol	BRL	10		µg/L	1	8/1/01 8:44:00 PM
3,3'-Dichlorobenzidine	BRL	10		µg/L	1	8/1/01 8:44:00 PM
3-Nitroaniline	BRL	25		µg/L	1	8/1/01 8:44:00 PM
4,6-Dinitro-2-methylphenol	BRL	25		µg/L	1	8/1/01 8:44:00 PM
4-Bromophenyl phenyl ether	BRL	10		µg/L	1	8/1/01 8:44:00 PM
4-Chloro-3-methylphenol	BRL	10		µg/L	1	8/1/01 8:44:00 PM
4-Chloroaniline	BRL	10		µg/L	1	8/1/01 8:44:00 PM
4-Chlorophenyl phenyl ether	BRL	10		µg/L	1	8/1/01 8:44:00 PM
4-Methylphenol	BRL	10		µg/L	1	8/1/01 8:44:00 PM
4-Nitroaniline	BRL	25		µg/L	1	8/1/01 8:44:00 PM
4-Nitrophenol	BRL	25		µg/L	1	8/1/01 8:44:00 PM
Acenaphthene	BRL	10		µg/L	1	8/1/01 8:44:00 PM
Acenaphthylene	BRL	10		µg/L	1	8/1/01 8:44:00 PM
Anthracene	BRL	10		µg/L	1	8/1/01 8:44:00 PM
Benz(a)anthracene	BRL	10		µg/L	1	8/1/01 8:44:00 PM
Benzo(a)pyrene	BRL	10		µg/L	1	8/1/01 8:44:00 PM
Benzo(b)fluoranthene	BRL	10		µg/L	1	8/1/01 8:44:00 PM
Benzo(g,h,i)perylene	BRL	10		µg/L	1	8/1/01 8:44:00 PM
Benzo(k)fluoranthene	BRL	10		µg/L	1	8/1/01 8:44:00 PM
Bis(2-chloroethoxy)methane	BRL	10		µg/L	1	8/1/01 8:44:00 PM
Bis(2-chloroethyl)ether	BRL	10		µg/L	1	8/1/01 8:44:00 PM
Bis(2-chloroisopropyl)ether	BRL	10		µg/L	1	8/1/01 8:44:00 PM
Bis(2-ethylhexyl)phthalate	BRL	10		µg/L	1	8/1/01 8:44:00 PM
Butyl benzyl phthalate	BRL	10		µg/L	1	8/1/01 8:44:00 PM
Carbazole	BRL	10		µg/L	1	8/1/01 8:44:00 PM
Chrysene	BRL	10		µg/L	1	8/1/01 8:44:00 PM
Di-n-butyl phthalate	BRL	10		µg/L	1	8/1/01 8:44:00 PM
Di-n-octyl phthalate	BRL	10		µg/L	1	8/1/01 8:44:00 PM
Dibenz(a,h)anthracene	BRL	10		µg/L	1	8/1/01 8:44:00 PM

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3_009758

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107641
Project: Ameren-MEW
Lab ID: 0107641-002

Client Sample ID: FB - 1
Collection Date: 7/26/01 7:15:00 AM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Dibenzofuran	BRL	10		µg/L	1	8/1/01 8:44:00 PM
Diethyl phthalate	BRL	10		µg/L	1	8/1/01 8:44:00 PM
Dimethyl phthalate	BRL	10		µg/L	1	8/1/01 8:44:00 PM
Fluoranthene	BRL	10		µg/L	1	8/1/01 8:44:00 PM
Fluorene	BRL	10		µg/L	1	8/1/01 8:44:00 PM
Hexachlorobenzene	BRL	10		µg/L	1	8/1/01 8:44:00 PM
Hexachlorobutadiene	BRL	10		µg/L	1	8/1/01 8:44:00 PM
Hexachlorocyclopentadiene	BRL	10		µg/L	1	8/1/01 8:44:00 PM
Hexachloroethane	BRL	10		µg/L	1	8/1/01 8:44:00 PM
Indeno(1,2,3-cd)pyrene	BRL	10		µg/L	1	8/1/01 8:44:00 PM
Isophorone	BRL	10		µg/L	1	8/1/01 8:44:00 PM
N-Nitrosodi-n-propylamine	BRL	10		µg/L	1	8/1/01 8:44:00 PM
N-Nitrosodiphenylamine	BRL	10		µg/L	1	8/1/01 8:44:00 PM
Naphthalene	BRL	10		µg/L	1	8/1/01 8:44:00 PM
Nitrobenzene	BRL	10		µg/L	1	8/1/01 8:44:00 PM
Pentachlorophenol	BRL	25		µg/L	1	8/1/01 8:44:00 PM
Phenanthrene	BRL	10		µg/L	1	8/1/01 8:44:00 PM
Phenol	BRL	10		µg/L	1	8/1/01 8:44:00 PM
Pyrene	BRL	10		µg/L	1	8/1/01 8:44:00 PM
Surr: 2,4,6-Tribromophenol	89.3	37-127		%REC	1	8/1/01 8:44:00 PM
Surr: 2-Fluorobiphenyl	71.0	43-110		%REC	1	8/1/01 8:44:00 PM
Surr: 2-Fluorophenol	40.9	13-100		%REC	1	8/1/01 8:44:00 PM
Surr: 4-Terphenyl-d14	91.1	10-121		%REC	1	8/1/01 8:44:00 PM
Surr: Nitrobenzene-d5	64.8	40-110		%REC	1	8/1/01 8:44:00 PM
Surr: Phenol-d5	66.6	10-121		%REC	1	8/1/01 8:44:00 PM

MEW Site File
Break3_009759

Qualifiers:

BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107641
Project: Ameren-MEW
Lab ID: 0107641-003

Client Sample ID: TB - 3
Collection Date: 7/26/01
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **NWH**
1,1,1-Trichloroethane	BRL	5.0		µg/L	1	8/2/01 3:44:00 AM
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/L	1	8/2/01 3:44:00 AM
1,1,2-Trichloroethane	BRL	5.0		µg/L	1	8/2/01 3:44:00 AM
1,1-Dichloroethane	BRL	5.0		µg/L	1	8/2/01 3:44:00 AM
1,1-Dichloroethene	BRL	5.0		µg/L	1	8/2/01 3:44:00 AM
1,2-Dichloroethane	BRL	5.0		µg/L	1	8/2/01 3:44:00 AM
1,2-Dichloropropane	BRL	5.0		µg/L	1	8/2/01 3:44:00 AM
2-Butanone	BRL	10		µg/L	1	8/2/01 3:44:00 AM
2-Hexanone	BRL	10		µg/L	1	8/2/01 3:44:00 AM
4-Methyl-2-pentanone	BRL	10		µg/L	1	8/2/01 3:44:00 AM
Acetone	BRL	5.0		µg/L	1	8/2/01 3:44:00 AM
Benzene	BRL	5.0		µg/L	1	8/2/01 3:44:00 AM
Bromodichloromethane	BRL	5.0		µg/L	1	8/2/01 3:44:00 AM
Bromoform	BRL	5.0		µg/L	1	8/2/01 3:44:00 AM
Bromomethane	BRL	5.0		µg/L	1	8/2/01 3:44:00 AM
Carbon disulfide	BRL	5.0		µg/L	1	8/2/01 3:44:00 AM
Carbon tetrachloride	BRL	5.0		µg/L	1	8/2/01 3:44:00 AM
Chlorobenzene	BRL	5.0		µg/L	1	8/2/01 3:44:00 AM
Chloroethane	BRL	5.0		µg/L	1	8/2/01 3:44:00 AM
Chloroform	BRL	5.0		µg/L	1	8/2/01 3:44:00 AM
Chloromethane	BRL	5.0		µg/L	1	8/2/01 3:44:00 AM
cis-1,3-Dichloropropene	BRL	5.0		µg/L	1	8/2/01 3:44:00 AM
Dibromochloromethane	BRL	5.0		µg/L	1	8/2/01 3:44:00 AM
Ethylbenzene	BRL	5.0		µg/L	1	8/2/01 3:44:00 AM
Methylene chloride	BRL	5.0		µg/L	1	8/2/01 3:44:00 AM
Styrene	BRL	5.0		µg/L	1	8/2/01 3:44:00 AM
Tetrachloroethene	BRL	5.0		µg/L	1	8/2/01 3:44:00 AM
Toluene	BRL	5.0		µg/L	1	8/2/01 3:44:00 AM
trans-1,3-Dichloropropene	BRL	5.0		µg/L	1	8/2/01 3:44:00 AM
Trichloroethene	BRL	5.0		µg/L	1	8/2/01 3:44:00 AM
Vinyl chloride	BRL	5.0		µg/L	1	8/2/01 3:44:00 AM
1,2-Dichloroethene, Total	BRL	5.0		µg/L	1	8/2/01 3:44:00 AM
Xylenes, Total	BRL	5.0		µg/L	1	8/2/01 3:44:00 AM
Surr: 4-Bromofluorobenzene	94.4	73-111		%REC	1	8/2/01 3:44:00 AM
Surr: Dibromofluoromethane	100	86-120		%REC	1	8/2/01 3:44:00 AM
Surr: Toluene-d8	99.4	91-108		%REC	1	8/2/01 3:44:00 AM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**				Analyst: **JMZ**
1,2,4-Trichlorobenzene	BRL	10		µg/L	1	8/1/01 8:09:00 PM
1,2-Dichlorobenzene	BRL	10		µg/L	1	8/1/01 8:09:00 PM
1,3-Dichlorobenzene	BRL	10		µg/L	1	8/1/01 8:09:00 PM

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3_009760

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107641
Project: Ameren-MEW
Lab ID: 0107641-003

Client Sample ID: TB - 3
Collection Date: 7/26/01
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1,4-Dichlorobenzene	BRL	10		µg/L	1	8/1/01 8:09:00 PM
2,4,5-Trichlorophenol	BRL	25		µg/L	1	8/1/01 8:09:00 PM
2,4,6-Trichlorophenol	BRL	10		µg/L	1	8/1/01 8:09:00 PM
2,4-Dichlorophenol	BRL	10		µg/L	1	8/1/01 8:09:00 PM
2,4-Dimethylphenol	BRL	10		µg/L	1	8/1/01 8:09:00 PM
2,4-Dinitrophenol	BRL	25		µg/L	1	8/1/01 8:09:00 PM
2,4-Dinitrotoluene	BRL	10		µg/L	1	8/1/01 8:09:00 PM
2,6-Dinitrotoluene	BRL	10		µg/L	1	8/1/01 8:09:00 PM
2-Chloronaphthalene	BRL	10		µg/L	1	8/1/01 8:09:00 PM
2-Chlorophenol	BRL	10		µg/L	1	8/1/01 8:09:00 PM
2-Methylnaphthalene	BRL	10		µg/L	1	8/1/01 8:09:00 PM
2-Methylphenol	BRL	10		µg/L	1	8/1/01 8:09:00 PM
2-Nitroaniline	BRL	25		µg/L	1	8/1/01 8:09:00 PM
2-Nitrophenol	BRL	10		µg/L	1	8/1/01 8:09:00 PM
3,3'-Dichlorobenzidine	BRL	10		µg/L	1	8/1/01 8:09:00 PM
3-Nitroaniline	BRL	25		µg/L	1	8/1/01 8:09:00 PM
4,6-Dinitro-2-methylphenol	BRL	25		µg/L	1	8/1/01 8:09:00 PM
4-Bromophenyl phenyl ether	BRL	10		µg/L	1	8/1/01 8:09:00 PM
4-Chloro-3-methylphenol	BRL	10		µg/L	1	8/1/01 8:09:00 PM
4-Chloroaniline	BRL	10		µg/L	1	8/1/01 8:09:00 PM
4-Chlorophenyl phenyl ether	BRL	10		µg/L	1	8/1/01 8:09:00 PM
4-Methylphenol	BRL	10		µg/L	1	8/1/01 8:09:00 PM
4-Nitroaniline	BRL	25		µg/L	1	8/1/01 8:09:00 PM
4-Nitrophenol	BRL	25		µg/L	1	8/1/01 8:09:00 PM
Acenaphthene	BRL	10		µg/L	1	8/1/01 8:09:00 PM
Acenaphthylene	BRL	10		µg/L	1	8/1/01 8:09:00 PM
Anthracene	BRL	10		µg/L	1	8/1/01 8:09:00 PM
Benz(a)anthracene	BRL	10		µg/L	1	8/1/01 8:09:00 PM
Benzo(a)pyrene	BRL	10		µg/L	1	8/1/01 8:09:00 PM
Benzo(b)fluoranthene	BRL	10		µg/L	1	8/1/01 8:09:00 PM
Benzo(g,h,i)perylene	BRL	10		µg/L	1	8/1/01 8:09:00 PM
Benzo(k)fluoranthene	BRL	10		µg/L	1	8/1/01 8:09:00 PM
Bis(2-chloroethoxy)methane	BRL	10		µg/L	1	8/1/01 8:09:00 PM
Bis(2-chloroethyl)ether	BRL	10		µg/L	1	8/1/01 8:09:00 PM
Bis(2-chloroisopropyl)ether	BRL	10		µg/L	1	8/1/01 8:09:00 PM
Bis(2-ethylhexyl)phthalate	BRL	10		µg/L	1	8/1/01 8:09:00 PM
Butyl benzyl phthalate	BRL	10		µg/L	1	8/1/01 8:09:00 PM
Carbazole	BRL	10		µg/L	1	8/1/01 8:09:00 PM
Chrysene	BRL	10		µg/L	1	8/1/01 8:09:00 PM
Di-n-butyl phthalate	BRL	10		µg/L	1	8/1/01 8:09:00 PM
Di-n-octyl phthalate	BRL	10		µg/L	1	8/1/01 8:09:00 PM
Dibenz(a,h)anthracene	BRL	10		µg/L	1	8/1/01 8:09:00 PM

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

MEW Site File
Break3_009761

Analytical Environmental Servs, Inc.

Date: *03-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Lab Order: 0107641
Project: Ameren-MEW
Lab ID: 0107641-003

Client Sample ID: TB - 3
Collection Date: 7/26/01
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Dibenzofuran	BRL	10		µg/L	1	8/1/01 8:09:00 PM
Diethyl phthalate	BRL	10		µg/L	1	8/1/01 8:09:00 PM
Dimethyl phthalate	BRL	10		µg/L	1	8/1/01 8:09:00 PM
Fluoranthene	BRL	10		µg/L	1	8/1/01 8:09:00 PM
Fluorene	BRL	10		µg/L	1	8/1/01 8:09:00 PM
Hexachlorobenzene	BRL	10		µg/L	1	8/1/01 8:09:00 PM
Hexachlorobutadiene	BRL	10		µg/L	1	8/1/01 8:09:00 PM
Hexachlorocyclopentadiene	BRL	10		µg/L	1	8/1/01 8:09:00 PM
Hexachloroethane	BRL	10		µg/L	1	8/1/01 8:09:00 PM
Indeno(1,2,3-cd)pyrene	BRL	10		µg/L	1	8/1/01 8:09:00 PM
Isophorone	BRL	10		µg/L	1	8/1/01 8:09:00 PM
N-Nitrosodi-n-propylamine	BRL	10		µg/L	1	8/1/01 8:09:00 PM
N-Nitrosodiphenylamine	BRL	10		µg/L	1	8/1/01 8:09:00 PM
Naphthalene	BRL	10		µg/L	1	8/1/01 8:09:00 PM
Nitrobenzene	BRL	10		µg/L	1	8/1/01 8:09:00 PM
Pentachlorophenol	BRL	25		µg/L	1	8/1/01 8:09:00 PM
Phenanthrene	BRL	10		µg/L	1	8/1/01 8:09:00 PM
Phenol	BRL	10		µg/L	1	8/1/01 8:09:00 PM
Pyrene	BRL	10		µg/L	1	8/1/01 8:09:00 PM
Surr: 2,4,6-Tribromophenol	95.4	37-127		%REC	1	8/1/01 8:09:00 PM
Surr: 2-Fluorobiphenyl	69.8	43-110		%REC	1	8/1/01 8:09:00 PM
Surr: 2-Fluorophenol	47.0	13-100		%REC	1	8/1/01 8:09:00 PM
Surr: 4-Terphenyl-d14	91.3	10-121		%REC	1	8/1/01 8:09:00 PM
Surr: Nitrobenzene-d5	71.1	40-110		%REC	1	8/1/01 8:09:00 PM
Surr: Phenol-d5	71.5	10-121		%REC	1	8/1/01 8:09:00 PM

MEW Site File
Break3_009762

Qualifiers:
BRL - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Analytical Environmental Servs, Inc.

Sample Receipt Checklist

Client Name KOMEX

Work Order Number 0107641

Date and Time Received 7/27/01 1130

Received by TH

Checklist completed by [signature] 7/27/01
Signature Date

Reviewed by [initials] 7/27/01
Initials Date

Matrix: Carrier name

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Presen ☐
Custody seals intact on shippping container/cooler?	Yes ☑	No ☐	Not Presen ☑ TH
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Presen ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	

Adjusted? _____ Checked b _____

Any No and/or NA (not applicable) response must be detailed in the comments section bel

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

MEW Site File
Break3_009763

Analytical Environmental Servs, Inc.

Date: *02-Aug-01*

CLIENT: Komex.H2O Science, Inc.
Project: Ameren-MEW
Lab Order: 0107642

CASE NARRATIVE

Sample ID MW-5 indicated a Aroclor 1260 hit of 11 µg/L. We have filtered the sample and reanalyzed it and all the Aroclors were Less than the Reporting Limit. There are two sets of PCB results reported for MW-5. The earliest date and time analyzed is the total PCBs and the later date and time is the dissolved PCBs.

MEW Site File
Break3_009764

Analytical Environmental Servs, Inc.

Sample Receipt Checklist

Client Name KOMEY

Work Order Number 0107642

Date and Time Received 7/27/01 1130

Received by TH

Checklist completed by [signature] 7/27/01
Signature | Date

Reviewed by JA 7/27/01
Initials | Date

Matrix: Carrier name

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Presen ☐
Custody seals intact on shippping container/cooler?	Yes ☑	No ☐	Not Presen ☑ TH
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Presen ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	

Adjusted? _____ Checked b _____

Any No and/or NA (not applicable) response must be detailed in the comments section bel

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corre n _____

MEW Site File
Break3_009765

MEW Site File

Break3_009766

APPENDIX C.1
GROUNDWATER ANALYTICAL RESULTS
Organic Compounds - Previous Investigations
Missouri Electric Works, Cape Girardeau

Well ID	Date Sampled	1,1,1-TCA (ug/L)	TCE (ug/L)	PCE (ug/L)	1,1-DCA (ug/L)	trans-1,2-DCE (ug/L)	Benzene (ug/L)	Chloro-benzene (ug/L)	Trichloro-benzene (ug/L)	Tetrachloro-benzene (ug/L)	1,2-DCB (ug/L)	1,3-DCB (ug/L)	1,4-DCB (ug/L)	PCB (Arochlor 1260) (ug/L)
MW-3	November 1989	-	-	-	16	52	-	86	-	-	-	-	-	<0.5
	March 1990	-	4J	-	18	52	6J	112	-	-	-	-	-	-
	January 1991	<5.0	<5.0	-	<5.0	35	-	240	78.0	16.0	58.5	9.0	6.5	NA
(Duplicate)	January 1991	<5.0	<5.0	-	8	20	-	94	<1.0	<1.0	<10.0	<10.0	<10.0	NA
MW-4	March 1990	-	3J	12	6	-	-	-	-	-	-	-	-	-
	January 1991	<5.0	<5.0	-	<5.0	<5.0	-	<5.0	<1.0	<1.0	<10.0	<10.0	<10.0	-
MW-5	November 1989	-	-	-	12	41	-	111	-	-	-	-	-	<0.5
	January 1991	<5.0	<5.0	-	5	9	-	29	<1.0	<1.0	<10.0	<10.0	<10.0	NA
MW-6A	March 1990	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 1991	<5.0	<5.0	-	<5.0	<5.0	-	<5.0	1.0	1.0	<10.0	<10.0	<10.0	NA
MW-7	March 1990	-	9	-	7	11	-	-	-	-	-	-	-	-
	January 1991	<5.0	<5.0	-	<5.0	<5.0	-	<5.0	65.5	5.1	<10.0	<10.0	<10.0	NA
MW-8	March 1990	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 1991	<5.0	<5.0	-	<5.0	<5.0	-	<5.0	<1.0	<1.0	<10.0	<10.0	<10.0	NA
MW-9	March 1990	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 1991	<5.0	<5.0	-	<5.0	<5.0	-	<5.0	<1.0	<1.0	<10.0	<10.0	<10.0	NA
MW-10	March 1990	-	17	-	3J	-	-	-	-	-	-	-	-	-
	January 1991	6	17	-	<5.0	<5.0	-	<5.0	<1.0	<1.0	<10.0	<10.0	<10.0	NA
MW-11	January 1991	<5	8	-	<5	12	-	36	26.2	<1.0	76	22	19	69

Notes:

1) Data from Hydrogeological Investigation Report, Missouri Electric Works Site, by The Earth Technology Corporation, 1990 and Supplemental Hydrogeological Investigation Report, Missouri Electric Works Site, by The Earth Technology Corporation, 1991
2) J = Result was below detection limit and is an estimate.
3) - = Analyte was below detection limit.
4) NA= Not analyzed.
5) TCA = Trichloroethane.
6) TCE = Trichloroethene.
7) PCE = Tetrachloroethene.
8) DCA = Dichloroethane.
9) DCE = Dichloroethene.
10) DCB = Dichlorobenzene.

MEW Site File
Break3_009767

APPENDIX C.2
GROUNDWATER ANALYTICAL RESULTS
Organic Compounds - Samples Collected During Drilling
Missouri Electric Works, Cape Girardeau

Boring I.D.	DEPTH (FEET)	1,1,1-TCA (ug/L)	TCE (ug/L)	Bromodi-chloromethane (ug/L)	1,1-DCA (ug/L)	trans-1,2-DCE (ug/L)	Chloro-benzene (ug/L)	Trichloro-benzene (ug/L)	Tetrachloro-benzene (ug/L)	1,2-DCB (ug/L)	1,3-DCB (ug/L)	1,4-DCB (ug/L)	PCB (Arochlor 1260) (ug/L)
MEW-SB-11-01	81	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<10.0	<10.0	<10.0	<0.1
	124	**6**	<5.0	**5**	<5.0	<5.0	<5.0	<1.0	<1.0	<10.0	<10.0	<10.0	<0.1
MEW-SB-11-04	57	**8**	**10**	<5.0	**6**	**14**	**154**	**18.4**	**112**	**67.4**	**20.9**	**18.8**	**5-10**
	111	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**28.5**	<1.0	**9.1**	**3.7**	**5.7**	<0.1
MEW-SB-12-02	222-230	**5**	**9**	<5	**5**	**12**	**14**	<0.25	<0.25	**4**	<6	**10**	**300**
(Centrifuged)	222-230	<5	**7**	<5	**6**	**10**	**16**	<0.25	<0.25	**4**	<6	**10**	**7.9**
	310-315	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**470 ug/kg**
(Centrifuged)	310-315	<5	<5	<5	<5	**7**	**10**	**19**	<0.05	**4**	<1.2	**15**	**0.92**
	319-405	<5	<5	<5	<5	<5	<5	<0.05	<0.05	<1.2	<1.2	<1.4	**2**

Notes
1) Data from Supplemental Hydrogeological Investigation Report, Missouri Electric Works Site, by The Earth Technology Corporation, 1991.
2) A well was not installed in borehole MEW-SB-11-01.
3) Well MW-11 was installed in borehole MEW-SB-11-04.
4) Borehole MEW-SB-12-02 (Well MW-11A) was cased to 400 feet, but no screen was installed.
5) TCA = Trichloroethane.
6) TCE = Trichloroethene.
7) DCA = Dichloroethane.
8) DCE = Dichloroethene.
9) DCB = Dichlorobenzene.
10) NA = Not analyzed.