SEMI-ANNUAL GROUNDWATER ASSESSMENT REPORT

KUHLMAN ELECTRIC CORPORATION
101 KUHLMAN DRIVE
CRYSTAL SPRINGS, MISSISSIPPI

Prepared for:

Kuhlman Electric Corporation
101 Kuhlman Drive
Crystal Springs, Mississippi

Prepared by:

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EXECUTIVE SUMMARY

This groundwater assessment report summarizes the results of the semi-annual groundwater sampling conducted in October 2011 for the Kuhlman Electric Corporation (KEC) facility (site) located in Crystal Springs, Mississippi (Figure 1). Environmental Management Services, Inc. (EMS) collected groundwater samples from 38 permanent monitoring wells located within the site and throughout the City of Crystal Springs. Prior assessments have indicated the local groundwater is impacted primarily with 1,1-Dichloroethene (DCE) and 1,4-Dioxane (Dioxane). This impact has been observed both on site and off site approximately 3,000 feet to the south.

The wells were sampled using dedicated bladder pumps using the "low flow" sampling technique. MW-5 was sampled using a bailer due to the absence of a dedicated pump. Prior to sampling, groundwater parameters (turbidity, temperature, conductivity, dissolved oxygen, pH, and oxidation reduction potential) were allowed to stabilize, and the wells were purged of approximately one well volume, as requested by the Mississippi Department of Environmental Quality (MDEQ), to insure a representative sample was obtained.

Results of the groundwater testing revealed the presence of DCE and Dioxane in excess of MDEQ Tier 1 Target Remediation Goals (TRG) standards in 17 monitoring wells. The compound with the highest concentration observed was DCE, which was detected in 28 monitoring wells, with a maximum concentration of 65.0 micrograms/liter (µg/l) at MW-10A. The compound most frequently observed was Dioxane, which was detected in 37 monitoring wells, with a maximum concentration of 16.5 µg/l at MW-02.

The results of this semi-annual groundwater sampling are consistent with the previous sampling event and indicate that the groundwater beneath the site is impacted predominantly with DCE and Dioxane. This impact was also observed off site to the southwest. The highest concentrations of both compounds are located beneath the site, but concentrations exceeding MDEQ TRGs standards extend off site.

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SEMI-ANNUAL GROUNDWATER ASSESSMENT REPORT

Kuhlman Electric Corporation

Crystal Springs, Mississippi

January 2012

The report contained herein has been prepared by Environmental Management Services, Inc. (EMS) under the direct supervision of the environmental professionals indicated below. To the best of our knowledge all appropriate standards of care and practices were utilized to collect and report the data contained within this document. Services performed by EMS were conducted in a manner consistent with that degree of care and skill ordinarily exercised by reputable members of the same profession as EMS practicing in the same locality under similar conditions as exists at the time the service was provided. No other representation, express or implied, and no warranty or guarantee is included or intended in this proposal, or any report, opinion, document or otherwise as a result of, or part of the work by EMS, its subcontractors, or vendors. Certain data reliability limitations are noted where information and data were collected and reported by others not under the direction of Environmental Management Services, Inc. personnel.

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1.0 INTRODUCTION

The Kuhlman Electric Corporation (KEC) facility is located at 101 Kuhlman Drive in Crystal Springs, Mississippi and has operated as an electrical transformer manufacturing plant since its construction in the 1950's. EMS collected groundwater samples on October 3 – 6, 2011 from the existing network of 38 permanent groundwater monitoring wells. Groundwater sampling was done in accordance with the *Corrective Action Plan; Kuhlman Electric Corporation Facility, Crystal Springs, Mississippi* dated March 15, 2010 (ARCADIS), and *the Sampling and Analysis Plan; Kuhlman Electric Corporation* dated October 2, 2011 (EMS).

1.1 PREVIOUS INVESTIGATIONS

The *Preliminary Groundwater Assessment Report, Kuhlman Electric Corporation, Crystal Springs, Mississippi* dated July 2004 (Martin & Slagle) consisted of the installation, sampling, and analysis of eight permanent monitoring wells on the site. The results of the 2004 investigation indicated that six of the eight monitoring wells had detectable concentrations of Volatile Organic Compounds (VOCs) in both the perched groundwater and the upper aquifer.

The *Groundwater Assessment Report, Kuhlman Electric Corporation, Crystal Springs, Mississippi* dated April 30, 2009 (Martin & Slagle) identified the source area for the impacted groundwater and delineated it within the soil under the KEC plant building. Two commingled plumes of 1,1-Dichloroethene (DCE) and 1,4-Dioxane (Dioxane) were also delineated that extend from the source area southwest and west of the site and are in contact with the aquitard downgradient of the site. To the extent related to the KEC site, the presence of Dioxane is presumed to be related to its use as a stabilizer in 1,1,1-trichloroethane used in the past (i.e., well before 1999) at the KEC site. The 2009 report also indicated the western lobe of the DCE and the downgradient end of the Dioxane plumes appear to be influenced by pumping stresses of the municipal wells. The municipal wells were identified as potential receptors for the groundwater plume.

Five of the municipal wells are located approximately 2,400 feet southwest, and downgradient from the site. The municipal well located at the corner of Jackson Street and Lee Avenue is approximately 300 feet east of the site. Six municipal water wells were initially sampled in September 2004. The municipal wells have since been sampled periodically, and are currently sampled on a monthly basis. In November 2005 results from the Municipal Well No. 7 indicated DCE at a concentration of 9.7 µg/l, which is above the MDEQ TRG of 7.0 µg/l. Subsequent sampling confirmed the previous results and Municipal Well No. 7 was taken out of service and has remained out of service since 2005.

2.0 SITE CHARACTERISTICS

The site is located within a mixed residential and commercial use area of Crystal Springs, Mississippi. Figure 1 depicts the location of the site. The adjacent properties consist of the following uses:

- Commercial businesses and residences are located along Lee Street to the south of the site;
- A vacant lot is located to the northwest of the site and residential properties to the northeast of the site across Fulgham Avenue;
- A railroad corridor is located to the west of the plant with residential properties further west across West Railroad Avenue North; and,
- Residential properties and one closed commercial property adjoin the site to the east along Jackson Street.

The residential properties are all single family dwellings and extend for several blocks in all directions. A public swimming pool is located to the east of the site on the northeast corner of the intersection of Jackson Street and Lee Avenue.

2.1 PHYSICAL SETTING

The site is located at 101 Kuhlman Drive near the intersection of Lee Avenue and East Railroad Avenue within the city limits of Crystal Springs, Copiah County, Mississippi. The area is characterized by relatively flat topography with an elevation of approximately 470 feet relative to the National Geodetic Vertical Datum (NGVD).

2.2 REGIONAL GEOLOGIC SETTING

Investigations revealed through literature research that the geology of the Crystal Springs area is classified as part of the Southern Rolling Plains within the Mississippi Valley Loess Plains according to *Ecoregions of Mississippi* (2004). Surficial geologic units are mapped as the Citronelle Formation, consisting of sand, gravel, and clay according to the *Geologic Map of Mississippi* (1969).

2.3 SITE GEOLOGY

The shallow geology of the study area was identified in the *Groundwater Assessment Report, Kuhlman Electric Corporation, Crystal Springs, Mississippi* (Martin & Slagle, 2009) as Citronelle Formation sediments ranging in depths from 78 to 116 feet below ground surface (bgs). The sediments consist of low plastic silts and clays in the upper horizons from two to 16

feet bgs. Below 16 feet the beds become interbedded poorly graded tan, beige, and red fine to medium sand, sandy gravel, and silty sand with thin layers of red plastic clay. Sands are mainly composed of quartz grains with some calcareous zones. The gravels are composed primarily of subrounded chert with some quartz. The sediments overlie a stiff clay layer and possible ferruginous siltstone or sandstone near the Citronelle Formation's contact with the underlying Catahoula Formation.

2.4 HYDROGEOLOGICAL SETTING

Groundwater in the upper aquifer of the site exists under phreatic conditions with no confining unit above the aquifer. The aquitard at the base of the unit appears to be composed of a combination of stiff clay and iron rich siltstone and sandstone (Martin & Slagle, 2009). The water table rises into the Citronelle Formation sediments to a depth of 32.15 to 69.88 ft bgs throughout the study area. Within the plume footprint the water table rises to a depth of 32.15 to 65.92 ft bgs. The depth from ground surface to groundwater varies due to the change in elevation of the surface.

A shallow perched aquifer is located in portions of the site. MW-5 is screened in this aquifer along the northwestern portion of the property. The groundwater in this aquifer is at an elevation of 434.85 feet, or 21.70 ft bgs.

Groundwater elevations were calculated from water level data collected during the October 2011 monitoring well sampling event and are provided in Table 1. Table 1 also includes results from previous sampling events conducted by Borg Warner Inc. and groundwater monitoring well construction details. Water Table elevations ranged from 389.94 at MW-28 to 406.47 at MW-07. Figure 2 is a water table map depicting the surface of the upper aquifer water surface.

Groundwater flow appears to be in the generally southwestern direction. It is noted that near the municipal well south of the site the hydraulic gradient is much steeper than the rest of the study area indicating that the municipal well is influencing groundwater flow in this area. Figure 2 is a potentiometric map depicting the results of the groundwater elevations obtained during the most recent sampling event.

The average hydraulic gradient was calculated for three distinct directions/areas. The hydraulic gradient to the west, from MW-07 to MW-19 was calculated to be 0.0014 ft/ft. To the south, prior to the influence of the municipal well, from MW-08 to MW-28 the hydraulic gradient was calculated to be 0.0021 ft/ft. Within the observable radius of influence of the municipal well, from MW-28 to MW-29, the hydraulic gradient was calculated to be 0.0179 ft/ft.

3.0 TECHNICAL APPROACH

EMS sampled the groundwater monitoring wells on October 3 through 7, 2011. The groundwater samples were collected using dedicated bladder pumps in each well, with the exception of MW-05, which was sampled using a Teflon bailer. Prior to sampling, groundwater parameters, including turbidity, temperature, conductivity, dissolved oxygen, pH, and oxidation reduction potential (ORP), were logged using an in-line flow cell with water quality instrumentation to determine when the groundwater parameters stabilized. Once one well volume was purged, as requested by the Mississippi Department of Environmental Quality (MDEQ), and the parameters stabilized, the sample was collected using "low flow" sampling protocol. Field logs are included in Appendix A.

Once collected the samples were placed on ice and maintained in a secure environment. The samples were shipped to Pace Analytical Labs in Minneapolis, Minnesota where the samples were analyzed using the EPA Method 8260 SIMS.

QA/QC samples consisted of laboratory supplied trip blanks, and blind duplicates collected in the field. Blind duplicate samples were collected at 10% of the locations sampled and were collected at wells MW-02, MW-10A, MW-15A, and MW-21B. Groundwater samples for MW-17A, MW-17B, MW-19, MW-25, and MW-29 were split with MDEQ. Laboratory supplied trip blanks were shipped with each shipment of samples. The trip blanks were placed within the ice chests holding the groundwater samples and treated in the same manner as the samples.

4.0 RESULTS

The groundwater analytical data indicates the following compounds were detected at concentrations above the laboratory method detection limit:

- 1,1,2-trichloroethane
- 1,1,2,2-Tetrachloroethane
- m&p Xylene
- 1,1-Dichloroethane
- 1,2-Dichloroethane
- Methyl-tert-butyl-ether (MTBE)
- Acetone
- Tetrachloroethene
- Isopropyl benzene
- 1,1,1-Trichloroethane
- chloroform
- 1,1-dichloroethene (DCE)
- 1,4-dioxane (Dioxane).

The compounds detected most frequently were DCE and Dioxane. M&p xylene was detected in 13 wells, but was also detected in the trip blanks that accompanied these samples, indicating that it was a result of outside contamination. The results indicated DCE and Dioxane in excess of MDEQ TRG standards in 17 monitoring wells. The compound with the highest concentration observed was DCE, which was detected in 28 monitoring wells and had a maximum concentration of 65.0 micrograms/liter (µg/L) in well MW-10A. The compound most frequently observed was Dioxane, which was detected in 37 monitoring wells and had a maximum concentration of 16.5 µg/L in well MW-02. The laboratory reports are included as Appendix B.

Figure 3 is the DCE Plume Map based on the October 2011 analytical data. The shape of the DCE plume has changed since it was originally mapped. The core of the plume has increased in size downgradient from the site. The core of the plume appears to split into a western and southern lobe at or near the MW-21 location. The western edge of the plume has remained somewhat unchanged, but the southern component of the plume has migrated further south since the December 2008 sampling event. MW-23B has been the most consistent end point of the

leading edge of the southern lobe of the plume exceeding MDEQ TRGs, but MW-24 and MW-25 have recently exhibited intermittent detections above the MDEQ TRG limit for DCE. Since December 2009 MW-26 has had consistent detections of DCE, although the detections have all been below MDEQ TRG levels. DCE was not detected in MW-05 and MW-07 to the north, MW-07, MW-14A, MW-28, and MW-29 to the east, MW-27 to the south, and MW-22 and MW-16 to the west with respect to the DCE plume.

The DCE plume appears to be migrating downward at or near the location of MW-15. The data suggests that increasing DCE concentrations in the southern lobe of the plume are found in MW-21B, MW-24, and MW-26, which are all screened at deeper intervals in relation to the overall monitoring well network. To the west of the MW-15 location DCE concentrations are increasing in MW-18B and MW-19, which are also screened in the lower interval of the water column. MW-19 has not exceeded the DCE MDEQ TRG concentrations, but has shown an overall increase in DCE concentrations.

DCE was detected at or above its respective MDEQ TRG in 17 monitoring wells. Of these 17, eight show increasing concentration trends for DCE (MW-02, MW-06, MW-15A, MW-15B, MW-18B, MW-21B, MW-23B, and MW-24) since the commencement of sampling.

Figure 4 is the Dioxane Plume Map based on the October 2011 analytical data. The shape of the Dioxane plume has changed since it was originally mapped. The core of the plume appears to be predominantly contained on site. The leading edge of the Dioxane plume greater than the MDEQ TRG has been consistently near MW-15A and MW-15B, with some incursions west to MW-18A. Trace amounts of Dioxane were detected in all monitoring wells except MW-20A.

Dioxane was detected at or above its respective MDEQ TRG in six monitoring wells. Of these 6, two show increasing concentration trends for Dioxane (MW-15A and MW-15B) since the commencement of sampling.

4.1 ONSITE WELL RESULTS

DCE was detected at or above its respective MDEQ TRG of 7.0 µg/L in six out of twelve groundwater monitoring wells. Dioxane was detected at or above its respective MDEQ TRG of 6.09 µg/L in five of the twelve onsite groundwater monitoring wells. The highest concentration of DCE was detected in MW-10A at 65.0 µg/L. The highest concentration of Dioxane was detected in MW-02 at 16.5 µg/L. Table 2 contains the analytical data for the onsite wells.

4.2 OFFSITE WELL RESULTS

DCE was detected at or above its respective TRG in 11 of the 26 offsite groundwater monitoring wells. Dioxane was detected at or above its respective MDEQ TRG in 2 of the 26 offsite

groundwater monitoring wells. The highest concentration of DCE was detected in MW-15A at 60.5 µg/L. The highest concentration of Dioxane was detected in MW-15A at 7.3 µg/L. Table 3 contains the analytical data for the offsite wells.

5.0 QUALITY ASSURANCE/QUALITY CONTROL

One trip blank was included in each shipping container, i.e. ice chest, for analysis. The trip blanks were placed in the ice chest at the same time as the first sample and consisted of sealed 40 milliliter vials containing distilled water provided by the laboratory. The blanks were analyzed for VOCs. Acetone, which is a common laboratory cleaner, was detected in one trip blank and m&p-Xylene was detected in two of the trip blanks. No COCs were reported in the trip blanks.

A total of four duplicate samples were collected from groundwater monitoring wells MW-02, MW-10A, MW-15A, and MW-21B. The sample was submitted to the lab "blind" without identification of the associated sample to evaluate the precision that the laboratories could reproduce the data. The samples were analyzed for VOCs and Dioxane. The relative percent difference (RPD) was calculated for DCE and Dioxane using the following formula:

$$RPD = \frac{2(X_S - X_D)}{(X_S + X_D)}$$

X_S = *The original sample's contamination level*

X_D = *The duplicate's contamination level*

The RPD calculations for the analytes of concern ranged between 0.76 and 13.33% for all but one analyte. The Dioxane RPD for MW-11A was calculated to be 157%, with the original sample's contamination level of 1.7 µg/L and the duplicate's contamination level of 14.4 µg/L. Upon further examination the duplicate's contamination level for Dioxane appeared to be consistent with the historical data. The QA/QC laboratory analytical reports are provided in Appendix B.

6.0 NEW WELL INSTALLATION

Five new groundwater monitoring wells (MW-30, MW-31, MW-32, MW-33, and MW-34) were installed in November 2011 and sampled in December 2011. These monitoring wells were installed in compliance with the Corrective Action Plan for the KEC facility (ARCADIS, 2010). A supplemental report will describe, in detail, the construction details of each monitoring well and the analytical results. The new monitoring wells will be sampled during the next semi-annual groundwater monitoring event.

7.0 SUMMARY AND OBSERVATIONS

Based on BorgWarner's prior investigations and the data obtained during the October 2011 groundwater sampling, groundwater onsite and offsite appears to have been impacted by historical (i.e., pre-1999) industrial operations at KEC site. Based on the available data, our conclusions are as follows:

- Commingled plumes of DCE and Dioxane exists onsite and offsite of the site. To the extent related to the KEC site, the presence of Dioxane is presumed to be related to its use as a stabilizer in 1,1,1-trichloroethane used in the past (i.e., well before 1999) at the KEC site.
- DCE was detected at or above its MDEQ TRG in 17 of the 38 groundwater monitoring wells. Of these 17, eight show increasing concentrations trends since the commencement of sampling.
- Dioxane was detected at or above its MDEQ TRG in six of the 38 groundwater monitoring wells. Of these six, two show increasing concentration trends since the commencement of monitoring.
- The DCE groundwater plume above MDEQ TRG has migrated to the south since groundwater monitoring commenced.
- The commingled plumes of DCE and Dioxane in the groundwater at concentrations exceeding their respective MDEQ TRGs continue to exist upgradient of the source area that has been identified in previous reports. Four of the upgradient monitoring wells show persistent and/or increasing contaminant trends.
- The highest concentration of Dioxane detected was in onsite monitoring wells and the highest concentration detected was upgradient of the defined source area in MW-02.
- The highest concentration of DCE was detected on the edge of the KEC property in well MW-10A, which appears to be the upgradient edge of the core of the DCE plume.
- The DCE plume appears to be migrating downward near the location of MW-15.
- Groundwater flow is in a southwesterly direction and appears to be influenced by the municipal water wells to the south of the site.

8.0 REFERENCES

ARCADIS. March 15, 2010. *Corrective Action Plan, Kuhlman Electric Corporation Facility, Crystal Springs, Mississippi*. Prepared for Mississippi Department of Environmental Quality.

Bicker, Alvin R., Jr. 1969. *Geologic Map of Mississippi*. Department of Environmental Quality, Office of Geology.

Chapman, S.S., Griffith, G.E., Omernik, J.M., Comstock, J.A., Beiser, M.C., and Johnson, D. 2004. *Ecoregions of Mississippi* (Color poster with map, descriptive text, summary tables, and photographs): Reston, Virginia, US Geological Survey (map scale 1:1,000,000).

Environmental Management Services. October 2, 2010. *Sampling and Analysis Plan, Kuhlman Electric Corporation*. Prepared for Kuhlman Electric Corporation.

Martin & Slagle. July 2009. *Groundwater Assessment Report, Kuhlman Electric Corporation, Crystal Springs, Mississippi*. Prepared for BorgWarner, Inc.

Martin & Slagle. July 2004. *Preliminary Groundwater Assessment Report, Kuhlman Electric Corporation, Crystal Springs, Mississippi*. Prepared for BorgWarner, Inc.

TABLES

Table 1
Groundwater Monitoring Well Construction Data and Elevation Data
May 2009 through October 2011
Kuhlman Electric Corporation
Crystal Springs, Mississippi

MONITORING WELL CONSTRUCTION DETAILS						GROUNDWATER ELEVATION DATA							
Well No.	Date Installed[1]	Screen Length (ft)[1]	Screen Interval (ft bgs)[1]	Ground Surface Elevation (ft msl)[1]	Top of Casing Elevation (ft msl)[1]	GW Elevation 5-09 (ft msl)[1]	GW Elevation 11-09 (ft msl)[1]	GW Elevation 2-10 (ft msl)[1]	GW Elevation 5-10 (ft msl)[1]	GW Elevation 9-10 (ft msl)[1]	GW Elevation 12-10 (ft msl)[1]	GW Elevation 2-11 (ft msl)[1]	GW Elevation 10-11 (ft msl)
MW-1[2]	3/9 & 3/11/2004	15	58-73	467.76	467.47	--	--	--	--	--	--	--	--
MW-2	3/16/2004	15	57-72	465.59	465.23	406.02	406.14	406.62	407.19	407.06	406.66	406.24	405.95
MW-3	3/18/2004	15	59-74	458.70	458.32	406.22	406.26	406.74	408.28	407.14	406.69	404.24	405.99
MW-4	3/17/2004	15	55-70	465.82	468.47	--	--	--	--	--	--	--	--
					465.67[3]	405.98	406.16	406.61	407.22	407.10	406.68	406.27	405.89
MW-5	3/18/2004	15	18-33	457.02	456.55	438.20	436.54	437.81	434.51	428.98	423.79	433.75	434.85
MW-6	3/25/2004	15	43-58	457.61	457.28	406.42	406.56	406.91	407.48	407.34	406.85	406.55	406.20
MW-7	3/24/2004	15	51-66	463.00	462.70	406.59	406.67	407.14	407.75	407.60	407.16	406.75	406.47
MW-8	3/26/2004	15	47-62	455.04	454.46	406.45	406.37	406.91	407.48	407.23	406.78	436.40	406.10
MW-9	3/3/2005	15	61-76	470.21	470.03	404.77	405.08	405.49	406.12	405.98	405.58	405.14	404.76
MW-10A	7/7/2007	10	62-72	471.25	470.95	405.16	405.35	405.77	406.36	406.23	405.81	405.42	405.03
MW-10B	7/7/2007	5	76-81	471.25	470.78	405.19	405.37	405.81	406.38	406.23	405.65	405.43	405.03
MW-10C	7/17/2007	5	94-99	471.25	470.97	405.20	405.36	405.82	406.39	406.23	406.02	405.42	405.05
MW-11A	7/5/2007	10	75-85	470.46	470.08	404.58	404.76	405.32	405.83	405.75	405.29	404.92	404.51
MW-11B	7/18/2007	5	100-105	470.46	470.01	404.73	404.92	405.43	405.98	405.90	405.46	405.06	404.64
MW-12	6/4/2007	10	65-75	465.65	465.35	405.88	405.70	406.34	406.86	406.53	406.08	405.66	405.28
MW-13	7/7/2007	10	62-72	465.38	465.12	405.17	405.46	405.91	406.51	406.46	406.07	405.64	405.19
MW-14A	6/8/2007	10	69.5-79.5	464.20	464.03	403.87	404.20	404.79	405.33	405.23	404.82	404.32	403.85
MW-14B	6/11/2007	5	97-102	464.20	463.99	403.86	404.20	404.77	405.24	405.14	404.80	404.32	403.85
MW-15A	6/18/2007	10	65-75	467.53	467.29	403.72	404.00	404.60	405.14	404.98	404.57	404.09	403.94
MW-15B	6/20/2007	5	86-91	467.53	467.29	403.63	403.91	404.55	405.07	404.89	404.45	404.00	403.54
MW-16	6/5/2007	10	55-65	460.51	460.24	404.08	404.05	404.66	405.29	404.97	404.44	404.02	403.62
MW-17A	6/28/2007	10	60-70	460.31	460.02	403.12	403.09	403.71	404.34	403.93	403.37	402.97	402.57
MW-17B	6/28/2007	5	83-88	460.31	460.04	403.10	403.09	403.75	404.34	403.94	403.40	402.95	402.57
MW-18A	6/25/2007	10	62-72	459.95	459.46	402.72	402.67	403.30	403.89	403.47	402.89	402.46	402.16
MW-18B	6/26/2007	5	80-85	459.95	459.67	402.76	402.70	403.32	403.94	403.51	402.93	402.50	402.18
MW-19	6/6/2007	10	85.5-95.5	454.38	454.02	402.59	402.50	403.11	403.64	403.24	402.63	402.26	401.98
MW-20A	6/22/2007	10	57-67	462.41	462.12	402.92	402.91	403.56	404.16	403.77	403.18	402.68	402.38
MW-20B	6/21/2007	5	100-105	462.41	462.00	402.92	402.92	403.59	404.16	403.76	403.19	402.69	402.36
MW-21A	7/2/2007	10	58-68	459.00	458.72	403.08	403.49	404.06	404.55	404.28	403.77	403.27	402.73
MW-21B	7/16/2007	5	88-93	459.00	458.65	403.10	403.29	404.04	404.54	404.26	403.77	403.24	402.75
MW-22	6/12/2007	10	85.5 -95.5	447.92	447.54	402.92	402.86	403.49	404.10	403.60	402.97	402.51	402.32
MW-23A	6/15/2007	10	35-45	440.61	440.12	402.76	402.94	403.64	404.21	403.81	403.22	402.71	402.44
MW-23B	6/14/2007	5	79-84	440.61	440.41	402.84	402.85	403.60	404.19	403.66	403.17	402.59	402.34
MW-24	7/5/2007	5	77-82	433.41	433.14	402.15	401.68	402.72	402.80	402.06	401.42	401.13	400.99
MW-25	7/13/2007	10	98-108	451.26	450.95	399.02	399.17	400.41	400.12	399.26	398.76	397.14	393.00
MW-26	6/13/2007	10	92-102	459.61	459.37	398.54	399.48	400.47	400.44	399.69	399.19	397.69	397.32
MW-27	7/17/2007	10	99-109	433.48	433.56	391.47	391.88	392.45	392.45	392.11	391.87	391.41	390.48
MW-28	11/2/2009	30	80-110	463.10	462.82	–	401.21	402.23	402.48	401.98	401.50	400.57	399.94
MW-29	11/3/2009	25	81-106	460.47	459.82	–	393.93	394.85	400.89	394.06	391.98	390.40	389.94

1. Data supplied by BorgWarner, Inc.
2. MW-1 was permanently closed March 2005
3. MW-4 was converted to a flushmount well - above ground riser removed altering the TOC elevation
GW = groundwater

Table 2

Groundwater Monitoring Results - Onsite Wells
October 2011
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloro-form	Dibromo-chloro-methane	1,4-Dioxane
		MDEQ TRGs (µg/L)	**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**6.09**
MW-01	KEP-GW-001-003	3/2/05	**18**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA

Concentrations are expressed as micrograms per liter (µg/L).
Data prior to October 2011 was supplied BorgWarner, Inc.
ND - No Data
NA - Not Analyzed
Concentrations in **bold** exceed their respective TRGs
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
1 - Concentrations were reported to adjusted method detection limit, which is less than the expressed adjusted reporting limit

Table 2 - Continued

Groundwater Monitoring Results - Onsite Wells
October 2011
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloro-form	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
	MDEQ TRGs (µg/L)		**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-02	KEP-GW-002-003	3/2/05	**64**	1.8	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	NA
MW-2	KEP-GW-002-003	3/2/05	**39.0**	1.82	<1.0	1.74	<1.0	<1.0	ND	<1.0	<1.0	NA
MW-02	KEP-GW-002-004	9/18/05	**40**	1.5	<1.0	1.6	<1.0	<1.0	<1.0	ND	ND	NA
MW-02	KEP-Duplicate	9/18/05	**42**	1.3	<1.0	1.4	<1.0	<1.0	<1.0	ND	ND	NA
MW-02	KEP-GW-002-004	9/18/05	**45.1**	<2.0	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<2.0	NA
MW-02	Duplicate GW-002-004	9/18/05	**43.6**	<2.0	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<2.0	NA
MW-02	KEP-GW-002-005	9/20/06	**8.3**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	**13**
MW-02	KEP-Duplicate	9/20/06	**15**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	**14**
MW-02	KEP-GW-002-005	9/20/06	**16.7**	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<1.0	<5.0
MW-02	Duplicate GW-002-005	9/20/06	**17**	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<1.0	<5.0
MW-02	KEP-GW-002-006	7/31/07	**14**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	6.0
MW-02	KEP-GW-002-007	11/3/07	**14**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	**6.7**
MW-02	KEP-GW-002-008	3/26/08	**14**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	4.8
MW-02	KEP-GW-002-009	6/8/08	**22**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	5.5
MW-02	KEP-GW-002-010	9/6/08	**31**	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	**8.5**
MW-02	KEP-GW-002-011	12/6/08	**30**	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	**16**
MW-02	KEP-GW-002-012	3/7/09	**38**	1.6	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	**15**
MW-02	KEP-GW-002-013	6/9/09	**18**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	**12**
MW-02	KEP-GW-002-014	9/7/09	**18**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	**13**
MW-02	KEP-GW-002-015	12/5/09	**44**	1.7	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	**22**
MW-02	KEP-GW-002-016	2/27/10	**35**	1.7	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	**15**
MW-02	KEP-GW-002-017	5/31/10	**33**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	**24**
MW-02	KEP-GW-002-018	9/4/10	**36**	1.7	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	**17**
MW-02	KEP-GW-002-019	12/6/10	**51**	2.2	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	**14**
MW-02	KEP-GW-002-020	2/26/11	**39**	1.6	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	**14**
MW-02	KEP-GW-002-021	10/5/2011	**45.6**	1.61[J]	<5.0[1]	<5.0[1]	<5.0[1]	**0.600[J]**	<5.0[1]	<5.0[1]	0.570[J]	**16.5**
MW-02	KEP-DUP-003	10/5/2011	**47.2**	1.79[J]	<5.0[1]	<5.0[1]	<5.0[1]	**0.550[J]**	<5.0[1]	<5.0[1]	0.520[J]	**16.8**

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1 - Concentrations were reported to adjusted method detection limit, which is less than the expressed adjusted reporting limit

Table 2 - Continued

Groundwater Monitoring Results - Onsite Wells

October 2011

Kuhlman Electric Corporation

Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloro-form	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
		MDEQ TRGs (µg/L)	**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-03	KEP-GW-003-003	3/2/05	**43.0**	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	NA
MW-03	KEP-GW-003-003	3/2/05	**30.4**	1.59	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<1.0	NA
MW-03	KEP-Duplicate	3/2/05	**42.0**	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	NA
MW-03	Duplicate GW-003-003	3/2/05	**30.1**	1.60	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<1.0	NA
MW-03	KEP-GW-003-004	9/23/05	**28.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	NA
MW-03	KEP-GW-003-004	9/23/05	**27.0**	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<1.0	NA
MW-03	KEP-Duplicate	9/23/05	**33.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	NA
MW-03	Duplicate GW-003-004	9/23/05	**27.3**	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<1.0	NA
MW-03	KEP-GW-003-005	9/20/06	**26.0**	2.4	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	**30**
MW-03	KEP-GW-003-006	7/29/07	**35.0**	3.6	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	**41**
MW-03	KEP-GW-003-007	11/3/07	**36.0**	3.7	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	**53**
MW-03	KEP-GW-003-008	3/29/08	**32.0**	2.6	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	**27**
MW-03	KEP-GW-003-009	6/8/08	**33.0**	2.9	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	**24**
MW-03	KEP-GW-003-009	6/8/08	**40.0**	3.4	<0.5	<0.5	<0.5	**0.22**[J]	ND	<0.5	0.71	**20**
MW-03	KEP-GW-003-010	9/6/08	**30.0**	2.7	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	**22**
MW-03	KEP-GW-003-010	9/6/08	**37.0**	3.3	<0.5	<0.5	<0.5	<0.5	ND	<0.5	0.75	**15**
MW-03	KEP-Duplicate	9/6/08	**33.0**	2.9	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	**21**
MW-03	Duplicate GW-003-010	9/6/08	**34.0**	3.3	<0.5	<0.5	<0.5	<0.5	ND	<0.5	0.71	**16**
MW-03	KEP-GW-003-011	12/6/08	**31.0**	2.4	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	**12**
MW-03	KEP-GW-003-012	3/9/09	**30.0**	1.7	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	5.5
MW-03	KEP-GW-003-012	3/3/09	**39.0**	1.9	<0.5	<0.5	<0.5	<0.5	ND	<0.5	0.76	4.4
MW-03	KEP-GW-Duplicate 2	3/3/09	**30.0**	1.7	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	5.6
MW-03	KEP-GW-Duplicate 2	3/3/09	**38.0**	1.9	<0.5	<0.5	<0.5	<0.5	ND	<0.5	0.74	4.3
MW-03	KEP-GW-003-013	6/8/09	**24.0**	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	2.3
MW-03	KEP-GW-003-014	9/7/09	**18.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	2.0
MW-03	KEP-GW-Duplicate 2	9/7/09	**18.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	2.1
MW-03	KEP-GW-003-015	11/30/09	**25.0**	1.3	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	2.4
MW-03	KEP-GW-003-015	11/30/09	**33.0**	1.3	<0.5	<0.5	<0.5	<0.5	ND	<0.5	<0.5	2.2
MW-03	KEP-GW-Duplicate 1	11/30/09	**26.0**	1.3	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	2.4
MW-03	KEP-Duplicate 1	11/30/09	**32.0**	1.1	<0.5	<0.5	<0.5	<0.5	ND	<0.5	<0.5	2.2
MW-03	KEP-GW-003-016	3/2/10	**18.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	1.3
MW-03	KEP-GW-003-017	5/31/10	**19.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	5.2
MW-03	KEP-GW-003-018	9/4/10	**23.0**	1	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	1.7
MW-03	KEP-GW-003-019	12/6/10	**28.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	1.8
MW-03	KEP-GW-003-020	3/28/11	**30.0**	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	2.6
MW-03	KEP-GW-003-021	10/5/2011	**26.0**	0.930[J]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	**8.6**

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Concentrations in **bold** exceed their respective TRGs

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Table 2 - Continued

Groundwater Monitoring Results - Onsite Wells
October 2011
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloro-form	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
		MDEQ TRGs (µg/L)	**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-04	KEP-GW-004-003	3/2/05	**18**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	NA
MW-04	KEP-GW-004-004	9/18/05	**18**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	NA
MW-04	KEP-GW-004-005	9/20/06	**32**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<5.0
MW-04	KEP-GW-004-006	7/31/07	**31**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-04	KEP-GW-004-007	11/3/07	**23**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-04	KEP-GW-004-008	3/26/08	**20**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-04	KEP-GW-004-009	6/8/08	**41**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-04	KEP-GW-004-010	9/6/08	**36**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-04	KEP-GW-004-011	12/6/08	**16**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-04	KEP-GW-004-012	3/7/09	**21**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	1.2
MW-04	KEP-GW-004-013	6/9/09	**31**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	2.7
MW-04	KEP-GW-004-014	9/7/09	**23**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	1.2
MW-04	KEP-GW-004-015	12/5/09	**25**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	1.2
MW-04	KEP-GW-004-016	2/27/10	**19**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-04	KEP-GW-004-017	5/31/10	**12**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-04	KEP-GW-004-018	9/4/10	**13**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-04	KEP-GW-004-019	12/6/10	**15**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-04	KEP-GW-004-020	2/26/11	**14**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-04	KEP-GW-004-021	10/6/2011	**16.4**	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	**0.910[J]**	<5.0[1]	<5.0[1]	<5.0[1]	**13.6**

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Table 2 - Continued

Groundwater Monitoring Results - Onsite Wells
October 2011
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloroform	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
		MDEQ TRGs (µg/L)	**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-05	KEP-GW-005-003	3/2/05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	NA
MW-05	KEP-GW-005-004	9/18/05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	NA
MW-05	KEP-GW-005-005	9/20/06	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<5.0
MW-05	KEP-GW-005-006	8/3/07	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-05	KEP-GW-005-007	11/7/07	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-05	KEP-GW-005-008	3/29/08	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-05	KEP-GW-005-009	6/13/08	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-05	KEP-GW-005-010	9/12/08	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-05	KEP-GW-005-011	12/7/08	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-05	KEP-GW-005-012	3/7/09	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-05	KEP-GW-005-013	6/8/09	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-05	KEP-GW-005-014	9/6/09	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-05	KEP-GW-005-015	12/6/09	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-05	KEP-GW-005-016	3/27/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-05	KEP-GW-005-017	5/31/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-5	KEP-GW-005-018	10/6/2011	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	0.62[J]

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Table 2 - Continued

Groundwater Monitoring Results - Onsite Wells
October 2011
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloroform	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
		MDEQ TRGs (µg/L)	**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-06	KEP-GW-006-003	3/2/05	**20**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	NA
MW-06	KEP-GW-006-004	9/18/05	**12**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	NA
MW-06	KEP-GW-006-005	9/20/06	3.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<5.0
MW-06	KEP-GW-006-006	7/29/07	**10**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-06	KEP-GW-006-007	11/2/07	**11**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-06	KEP-GW-006-008	3/29/08	**11**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-06	KEP-GW-006-009	6/8/08	**8.8**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-06	KEP-GW-006-010	9/6/08	**9.7**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-06	KEP-GW-006-011	12/6/08	**11**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-06	KEP-GW-006-012	3/3/09	**9.7**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-06	KEP-GW-006-013	6/4/09	**10**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-06	KEP-GW-006-014	9/7/09	**15**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-06	KEP-GW-006-015	11/30/09	**20**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-06	KEP-GW-006-016	2/26/10	**16**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-06	KEP-GW-006-017	5/30/10	**21**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-06	KEP-GW-006-018	9/4/10	**18**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-06	KEP-GW-006-019	12/6/10	**18**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-06	KEP-GW-006-020	2/26/11	**14**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-06	KEP-GW-006-021	10/4/2011	**10.7**	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	0.99[J]

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Concentrations in **bold** exceed their respective TRGs
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
1 - Concentrations were reported to adjusted method detection limit, which is less than the expressed adjusted reporting limit

Table 2 - Continued

Groundwater Monitoring Results - Onsite Wells
October 2011
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloroform	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
		MDEQ TRGs (µg/L)	**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-07	KEP-GW-007-003	3/2/05	1.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	NA
MW-07	KEP-GW-007-004	9/18/05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	NA
MW-07	KEP-GW-007-005	9/20/06	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<5.0
MW-07	KEP-GW-007-006	7/29/07	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-07	KEP-GW-007-007	11/2/07	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-07	KEP-GW-007-008	3/27/08	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-07	KEP-GW-007-009	6/8/08	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-07	KEP-GW-007-010	9/8/08	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-07	KEP-GW-007-011	12/8/08	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-07	KEP-GW-007-012	3/7/09	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-07	KEP-GW-007-013	6/10/09	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-07	KEP-GW-007-014	9/5/09	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-07	KEP-GW-007-015	11/30/09	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-07	KEP-GW-007-016	2/26/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-07	KEP-GW-007-017	5/30/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-07	KEP-GW-007-018	9/4/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-07	KEP-GW-007-019	12/7/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-07	KEP-GW-007-020	2/26/11	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-07	KEP-GW-007-021	10/4/2011	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	0.68[J]

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1 - Concentrations were reported to adjusted method detection limit, which is less than the expressed adjusted reporting limit

Table 2 - Continued

Groundwater Monitoring Results - Onsite Wells
October 2011
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloroform	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
		MDEQ TRGs (µg/L)	**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-08	KEP-GW-008-003	3/2/05	5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	NA
MW-08	KEP-GW-008-004	9/22/05	5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	NA
MW-08	KEP-GW-008-005	9/20/06	2.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<5.0
MW-08	KEP-GW-008-006	7/29/07	3.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-08	KEP-GW-008-007	11/2/07	3.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-08	KEP-GW-008-008	3/28/08	3.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-08	KEP-GW-008-009	6/8/08	3.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-08	KEP-GW-008-010	9/6/08	4.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-08	KEP-GW-008-011	12/8/08	3.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-08	KEP-GW-008-012	3/7/09	3.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-08	KEP-GW-008-013	6/4/09	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-08	KEP-GW-008-014	9/5/09	5.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-08	KEP-GW-008-015	11/30/09	6.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-08	KEP-GW-008-016	2/26/10	4.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-08	KEP-GW-008-017	5/30/10	**7.1**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-08	KEP-GW-008-018	9/4/10	6.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-08	KEP-GW-008-019	12/7/10	**9.2**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-08	KEP-GW-008-020	3/26/01	**7.6**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-08	KEP-GW-008-021	10/4/2011	5.62	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	0.85[J]

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1 - Concentrations were reported to adjusted method detection limit, which is less than the expressed adjusted reporting limit

Table 2 - Continued

Groundwater Monitoring Results - Onsite Wells

October 2011

Kuhlman Electric Corporation

Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloroform	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
		MDEQ TRGs (µg/L)	**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-09	KEP-GW-009-001	3/12/05	**13**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	NA
MW-09	KEP-GW-009-001	3/12/05	**12.9**	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<1.0	NA
MW-09	KEP-Duplicate	3/12/05	**14**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	NA
MW-09	Duplicate GW-009-001	3/12/05	**13.8**	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<1.0	NA
MW-09	KEP-GW-009-002	9/18/05	**13**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	NA
MW-09	KEP-GW-009-003	9/20/06	**10**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-09	KEP-GW-009-004	7/31/07	**13**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-09	KEP-GW-009-005	11/3/07	**12**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<5.0
MW-09	KEP-GW-009-006	3/29/08	**10**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-09	KEP-GW-009-007	6/8/08	**7.3**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-09	KEP-GW-009-008	9/8/08	**7.2**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-09	KEP-GW-009-009	12/6/08	**7.9**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-09	KEP-GW-009-010	3/6/09	6.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-09	KEP-GW-009-011	6/9/09	**8.9**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-09	KEP-GW-009-012	9/7/09	**8.7**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-09	KEP-GW-009-013	12/3/09	**7.7**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-09	KEP-GW-009-014	2/27/10	6.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-09	KEP-GW-009-015	5/31/10	6.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-09	KEP-GW-009-016	9/4/10	5.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-09	KEP-GW-009-017	12/6/10	4.8	<0.50	<0.50	<0.50	<0.50	<0.50	ND	<0.50	<0.50	<0.50
MW-09	KEP-GW-009-017	12/6/10	5.6	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0
MW-09	KEP-GW-009-018	2/26/11	4.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-09	KEP-GW-009-019	10/5/2011	5.38	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	1.1[J]

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Concentrations in **bold** exceed their respective TRGs

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

1 - Concentrations were reported to adjusted method detection limit, which is less than the expressed adjusted reporting limit

Table 2 - Continued

Groundwater Monitoring Results - Onsite Wells
October 2011
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloroform	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
		MDEQ TRGs (µg/L)	**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-10A	KEP-GW-010A-001	8/2/07	**120**	4.4	2.4	3.1	**5.6**	<1.0	<1.0	ND	ND	**8.3**
MW-10A	KEP-GW-010A-002	11/1/07	**100**	3.5	1.8	2.2	3.9	<1.0	<1.0	ND	ND	**11**
MW-10A	KEP-GW-010A-003	3/24/08	**38**	1.4	<1.0	<1.0	2.0	<1.0	<1.0	ND	ND	4.6
MW-10A	KEP-GW-010A-003	3/24/08	**57**	1.7	0.93	1.1	2.3	**0.48**[J]	ND	<0.50	<0.50	3.3
MW-10A	KEP-GW-010A-004	6/11/08	**80**	2.0	1.1	1.0	2.0	<1.0	<1.0	ND	ND	**12**
MW-10A	KEP-GW-010A-005	9/7/08	**58**	1.7	1.1	1.0	2.3	<1.0	<1.0	ND	ND	**6.2**
MW-10A	KEP-GW-010A-006	12/6/08	**88**	2.6	1.8	1.2	3.6	<1.0	<1.0	ND	ND	**11**
MW-10A	KEP-GW-010A-007	3/2/09	**71**	3.1	2.3	1.7	**6.7**	<1.0	<1.0	ND	ND	6.0
MW-10A	KEP-GW-010A-007	3/2/09	**81**	2.8	2.5	1.3	7.1	**0.82**	ND	<0.50	<0.50	4.8
MW-10A	KEP-GW-010A-008	6/5/09	**50**	2.1	2.2	1.2	**6.5**	<1.0	<1.0	ND	ND	4.1
MW-10A	KEP-GW-010A-009	9/5/09	**85**	3.8	4	<1.0	**13.0**	**1.8**	<1.0	ND	ND	**12**
MW-10A	KEP-GW-010A-010	12/5/09	**81**	3.4	3.5	1.3	**10.0**	<1.0	<1.0	ND	ND	**8.7**
MW-10A	KEP-GW-010A-011	2/27/10	**52**	2.1	2	1.1	**6.3**	<1.0	<1.0	ND	ND	**5.3**
MW-10A	KEP-GW-010A-012	5/31/10	**120**	5.0	3.9	1.6	**11.0**	<1.0	<1.0	ND	ND	**17.0**
MW-10A	KEP-GW-010A-012	5/31/10	**120**	5.1	4.2	1.9	**14**	**1.5**	ND	0.77	<0.50	**12**
MW-10A	KEP-GW-Duplicate 1	5/31/10	**120**	5.1	3.8	1.6	**11.0**	<1.0	<1.0	ND	ND	**16.0**
MW-10A	KEP-Duplicate 1	5/31/10	**130**	5.2	4.3	1.9	**14**	**1.5**	NA	0.80	<0.50	**11**
MW-10A	KEP-GW-010A-013	9/4/10	**110**	4.3	3.9	1.4	**11.0**	<1.0	<1.0	ND	ND	**17.0**
MW-10A	KEP-GW-010A-014	12/6/10	**110**	3.8	3.3	1.2	**8.3**	<1.0	<1.0	ND	ND	**21.0**
MW-10A	KEP-GW-010A-015	2/26/11	**64**	2.7	2.4	1.1	**7.2**	<1.0	<1.0	ND	ND	**14**
MW-10A	KEP-GW-10A-016	10/6/2011	**65.5**	2.55[J]	2.86[J]	1.02[J]	**8.00**	**1.02**[J]	<5.0[1]	<5.0[1]	<5.0[1]	1.7[J]
MW-10A	KEP-DUP-004	10/6/2011	**65.0**	2.63[J]	2.77[J]	0.970[J]	**7.81**	**0.910**[J]	<5.0[1]	<5.0[1]	<5.0[1]	**14.4**

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Table 2 - Continued

Groundwater Monitoring Results - Onsite Wells

October 2011

Kuhlman Electric Corporation

Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloroform	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
		MDEQ TRGs (µg/L)	**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-10B	KEP-GW-010B-001	8/2/07	4.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	6.0
MW-10B	KEP-GW-010B-002	11/1/07	6.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	5.5
MW-10B	KEP-GW-010B-003	3/25/08	5.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	4.3
MW-10B	KEP-GW-010B-004	6/11/08	4.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	1.7
MW-10B	KEP-GW-010B-005	9/6/08	6.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	2.6
MW-10B	KEP-GW-010B-005	9/6/08	**8.2**	<0.50	<0.50	<0.50	0.5	<0.50	ND	<0.50	<0.50	1.7
MW-10B	KEP-GW-010B-006	12/6/08	**9.6**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	3.7
MW-10B	KEP-GW-010B-007	3/2/09	**12**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	4.8
MW-10B	KEP-GW-010B-008	6/5/09	**36**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	**17**
MW-10B	KEP-GW-010B-009	9/5/09	**19**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	**9.1**
MW-10B	KEP-GW-010B-010	12/5/09	**23**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	**14**
MW-10B	KEP-GW-010B-011	2/27/10	**20**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	**10**
MW-10B	KEP-GW-010B-012	5/31/10	**14**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	**8**
MW-10B	KEP-GW-010B-012	5/31/10	**12**	<0.50	<0.50	<0.50	0.5	<0.50	ND	<0.50	<0.50	5.6
MW-10B	KEP-GW-010B-013	9/4/10	5.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	4.3
MW-10B	KEP-GW-010B-014	12/6/10	4.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	2.5
MW-10B	KEP-GW-010B-014	12/6/10	5.4	<0.50	<0.50	<0.50	<0.50	<0.50	ND	<0.50	<0.50	2.0
MW-10B	Duplicate 2	12/6/10	4.7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	2.4
MW-10B	KEP-GW-Duplicate 2	12/6/10	5.6	<0.50	<0.50	<0.50	<0.50	<0.50	ND	<0.50	<0.50	2.0
MW-10B	KEP-GW-010B-015	2/26/11	**8.3**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	4.3
MW-10B	KEP-GW-010B-016	10/6/2011	**10.4**	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	4.9

Concentrations are expressed as micrograms per liter (µg/L).

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ND - No Data

NA - Not Analyzed

Concentrations in **bold** exceed their respective TRGs

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

1 - Concentrations were reported to adjusted method detection limit, which is less than the expressed adjusted reporting limit

Table 2 - Continued

Groundwater Monitoring Results - Onsite Wells

October 2011

Kuhlman Electric Corporation

Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloroform	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
		MDEQ TRGs (µg/L)	**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-10C	KEP-GW-010C-001	7/30/07	<1.0	<1.0	<1.0	<1.0	<1.0	**1.7**	**1.5**	ND	ND	<2.0
MW-10C	KEP-GW-010C-002	11/1/07	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-10C	KEP-GW-010C-003	3/25/08	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-10C	KEP-GW-010C-004	6/11/08	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-10C	KEP-GW-010C-005	9/7/08	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-10C	KEP-GW-010C-006	12/6/08	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-10C	KEP-GW-010C-007	3/2/09	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	1.6
MW-10C	KEP-GW-010C-007	3/2/09	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	ND	<0.50	<0.50	1.1
MW-10C	KEP-GW-Duplicate 1	3/2/09	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	1.6
MW10C	KEP-GW-Duplicate 1	3/2/09	0.92	<0.50	<0.50	<0.50	<0.50	<0.50	ND	<0.50	<0.50	1.4
MW-10C	KEP-GW-010C-008	6/5/09	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-10C	KEP-GW-010C-009	9/5/09	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-10C	KEP-GW-010C-010	12/5/09	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-10C	KEP-GW-010C-011	2/27/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-10C	KEP-GW-010C-011	5/31/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-10C	KEP-GW-010C-013	9/4/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-10C	KEP-GW-010C-014	12/6/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-10C	KEP-GW-010C-015	2/26/11	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-10C	KEP-GW-010C-016	10/6/2011	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	0.690[J]	1.1[J]

Concentrations are expressed as micrograms per liter (µg/L).

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ND - No Data

NA - Not Analyzed

Concentrations in **bold** exceed their respective TRGs

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

1 - Concentrations were reported to adjusted method detection limit, which is less than the expressed adjusted reporting limit

Table 2 - Continued

Groundwater Monitoring Results - Onsite Wells

October 2011

Kuhlman Electric Corporation

Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloroform	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
		MDEQ TRGs (µg/L)	**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-13	KEP-GW-013-001	8/1/07	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-13	KEP-GW-013-002	11/3/07	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-13	KEP-GW-013-003	3/25/08	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-13	KEP-GW-013-004	6/8/08	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-13	KEP-GW-013-005	9/6/08	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-13	KEP-GW-013-006	12/6/08	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-13	KEP-GW-013-007	3/6/09	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-13	KEP-GW-013-008	6/9/09	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-13	KEP-GW-013-009	9/7/09	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-13	KEP-GW-013-010	12/3/09	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-13	KEP-GW-013-011	2/27/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-13	KEP-GW-013-012	5/31/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-13	KEP-GW-013-013	9/4/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-13	KEP-GW-013-014	12/6/10	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-13	KEP-GW-013-015	2/26/11	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0
MW-13	KEP-GW-013-016	10/6/2011	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	0.69[J]

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ND - No Data

NA - Not Analyzed

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Concentrations in **bold** exceed their respective TRGs

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Table 3

Groundwater Monitoring Results - Offsite Wells
October 2011
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloro-form	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
		MDEQ TRGs (µg/L)	**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-11A	KEP-GW-011A-001	7/30/07	**27**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	2.8
MW-11A	KEP-GW-011A-002	11/2/07	**41**	1.4	<1.0	<1.0	2.0	ND	<1.0	ND	<1.0	4.8
MW-11A	KEP-GW-011A-003	3/24/08	**79**	3.3	2.8	2.0	**7.9**	ND	<1.0	ND	<1.0	**16**
MW-11A	KEP-GW-011A-003	3/24/08	**94**	3.7	2.8	2.3	**8.8**	**0.94**	ND	0.61	ND	**10**
MW-11A	KEP-Duplicate 1	3/24/08	**71**	3.2	2.6	1.9	**7.7**	ND	<1.0	ND	<1.0	**17**
MW-11A	KEP-Duplicate1	3/24/08	**97**	3.8	3.0	2.4	**9.1**	**0.98**	ND	0.62	ND	**9.1**
MW-11A	KEP-GW-011A-004	6/11/08	**63**	2.3	1.8	1.5	**5.2**	ND	<1.0	ND	<1.0	**11**
MW-11A	KEP-GW-011A-005	9/7/08	**110**	4.7	4.1	2.5	**11**	ND	<1.0	ND	<1.0	**8.4**
MW-11A	KEP-GW-011A-006	12/4/08	**130**	6.7	**5.6**	3.1	**17**	ND	<1.0	ND	<1.0	**13**
MW-11A	KEP-GW-011A-007	3/2/09	**120**	6	4.4	2.5	**12**	ND	<1.0	ND	<1.0	**9.3**
MW-11A	KEP-GW-011A-008	6/3/09	**20**	<1.0	<1.0	<1.0	1.2	ND	<1.0	ND	<1.0	<1.0
MW-11A	KEP-GW-011A-009	9/6/09	**8.9**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-11A	KEP-GW-011A-010	12/3/09	**12**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-11A	KEP-GW-011A-011	3/2/10	**14**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW11A	KEP-GW-011A-012	5/30/10	**12**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-11A	KEP-Duplicate 2	3/2/10	**14**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-11A	KEP-GW-011A-014	12/6/10	**41**	1.5	1.2	<1.0	3.6	ND	<1.0	ND	<1.0	12
MW-11A	KEP-GW-011A-014	12/6/10	**39**	1.7	1.6	<0.50	4.4	<0.50	ND	<0.50	ND	9.5
MW-11A	KEP Duplicate 1	12/6/10	**44**	1.6	1.3	<1.0	3.8	ND	<1.0	ND	<1.0	**11**
MW-11A	KEP-Duplicate 1	12/6/10	**48**	1.9	1.6	<0.50	4.1	<0.50	ND	<0.50	ND	9.8
MW-11A	KEP-GW-011A-015	2/28/11	**46**	2.0	<1.0	<1.0	<1.0	ND	<1.0	ND	4.3	**17**
MW-11A	KEP-GW-011A-016	10/5/2011	**24.5**	0.750[J]	0.830[J]	2.71[J]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	3.8

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Concentrations in **bold** exceed their respective TRGs

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1 - Concentrations were reported to adjusted method detection limit, which is less than the expressed adjusted reporting limit

Table 3 - Continued

Groundwater Monitoring Results - Offsite Wells
October 2011
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloro-form	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
		MDEQ TRGs (µg/L)	**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-11B	KEP-Duplicate	7/30/07	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-11B	KEP-Duplicate	7/30/07	**31.8**	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<0.50
MW-11B	KEP-GW-011B-001	7/30/07	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-11B	KEP-GW-011B-001	7/30/07	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<0.50
MW-11B	KEP-GW-011B-002	11/2/07	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-11B	KEP-GW-011B-002	11/2/07	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<0.50
MW-11B	KEP-Duplicate 1	11/2/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-11B	Duplicate 1	11/2/07	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<0.50
MW-11B	KEP-GW-011B-003	3/24/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-11B	KEP-GW-011B-004	6/11/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-11B	KEP-GW-011B-005	9/7/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-11B	KEP-GW-011B-006	12/4/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-11B	KEP-GW-011B-007	3/2/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-11B	KEP-GW-011B-0086	6/3/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-11B	KEP-GW-011B-009	9/8/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-11B	KEP-GW-011B-010	12/3/09	1.3	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.3
MW-11B	KEP-GW-011B-011	3/2/10	2.9	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	2.8
MW-11B	KEP-GW-011B-012	5/30/10	1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.5
MW-11B	KEP-GW-011B-013	9/5/10	1.1	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.9
MW-11B	KEP-GW-011B-014	12/6/10	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-11B	KEP-GW-011B-014	12/6/10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	ND	<0.50	ND	0.68
MW-11B	KEP-GW-011B-015	2/28/11	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-11B	KEP-GW-011B-016	10/5/2011	2.40[J]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	2.5[J]

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Concentrations in **bold** exceed their respective TRGs

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Table 3 - Continued

Groundwater Monitoring Results - Offsite Wells
October 2011
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloro-form	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
		MDEQ TRGs (µg/L)	**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-12	KEP-GW-012-001	7/30/07	1.1	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-12	KEP-GW-012-002	11/5/07	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-12	KEP-GW-012-003	3/27/07	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-12	KEP-GW-012-004	6/12/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-12	KEP-GW-012-005	9/10/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-12	KEP-GW-012-006	12/4/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-12	KEP-GW-012-007	3/3/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-12	KEP-GW-012-008	6/8/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-12	KEP-GW-012-009	9/8/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-12	KEP-GW-012-010	12/3/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-12	KEP-GW-012-011	3/2/28	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-12	KEP-GW-012-012	5/31/10	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-12	KEP-GW-012-013	9/4/10	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-12	KEP-GW-012-014	12/6/10	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-12	KEP-GW-012-015	2/26/11	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-12	KEP-GW-012-016	10/6/2011	0.600[J]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	0.77[J]

Concentrations are expressed as micrograms per liter (µg/L).

Data prior to October 2011 was supplied BorgWarner, Inc.

ND - No Data

NA - Not Analyzed

Concentrations in **bold** exceed their respective TRGs

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

1 - Concentrations were reported to adjusted method detection limit, which is less than the expressed adjusted reporting limit

Table 3 - Continued

Groundwater Monitoring Results - Offsite Wells
October 2011
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloro-form	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
		MDEQ TRGs (µg/L)	**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-14A	KEP-GW-014A-001	7/31/07	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-14A	KEP-GW-014A-002	11/5/07	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-14A	KEP-GW-014A-003	3/26/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-14A	KEP-GW-014A-004	6/9/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-14A	KEP-GW-014A-005	9/7/08	1.1	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-14A	KEP-GW-014A-006	12/3/08	1.2	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-14A	KEP-GW-014A-007	3/5/09	1.1	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-14A	KEP-GW-014A-008	6/5/09	1.1	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-14A	KEP-GW-014A-009	9/6/09	1.1	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-14A	KEP-GW-014A-010	11/30/09	1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-14A	KEP-GW-014A-011	2/28/10	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-14A	KEP-GW-014A-011	6/3/10	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-14A	KEP-GW-014A-013	9/5/10	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-14A	KEP-GW-014A-014	12/7/10	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-14A	KEP-GW-014A-015	2/27/11	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-14A	KEP-GW-014A-016	10/6/2011	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	0.72[J]

Concentrations are expressed as micrograms per liter (µg/L).

Data prior to October 2011 was supplied BorgWarner, Inc.

ND - No Data

NA - Not Analyzed

Concentrations in **bold** exceed their respective TRGs

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

1 - Concentrations were reported to adjusted method detection limit, which is less than the expressed adjusted reporting limit

Table 3 - Continued

Groundwater Monitoring Results - Offsite Wells
October 2011
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloro-form	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
		MDEQ TRGs (µg/L)	**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-14B	KEP-GW-014B-001	7/31/07	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-14B	KEP-GW-014B-002	11/6/07	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-14B	KEP-GW-014B-003	3/26/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-14B	KEP-GW-014B-004	6/9/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-14B	KEP-GW-014B-005	9/7/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-14B	KEP-GW-014B-006	12/3/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-14B	KEP-GW-014B-007	3/5/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-14B	KEP-GW-014B-008	6/5/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-14B	KEP-GW-014B-009	9/6/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-14B	KEP-GW-014B-010	11/30/09	1.1	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-14B	KEP-GW-014B-011	2/28/10	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-14B	KEP-GW-014B-012	6/3/10	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-14B	KEP-GW-014B-013	9/5/10	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-14B	KEP-GW-014B-014	12/7/10	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-14B	KEP-GW-014B-015	2/27/11	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-14B	KEP-GW-014B-016	10/6/2011	0.500[J]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	0.70[J]

Concentrations are expressed as micrograms per liter (µg/L).

Data prior to October 2011 was supplied BorgWarner, Inc.

ND - No Data

NA - Not Analyzed

Concentrations in **bold** exceed their respective TRGs

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

1 - Concentrations were reported to adjusted method detection limit, which is less than the expressed adjusted reporting limit

Table 3 - Continued

Groundwater Monitoring Results - Offsite Wells
October 2011
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloro-form	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
	MDEQ TRGs (µg/L)		**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-15A	KEP-GW-015A-001	8/3/07	**45**	1.2	<1.0	<1.0	1.4	ND	<1.0	ND	<1.0	1.8
MW-15A	KEP-GW-015A-002	11/1/07	**51**	1.3	<1.0	<1.0	1.6	ND	<1.0	ND	<1.0	2.4
MW-15A	KEP-GW-015A-003	3/26/08	**38**	<1.0	<1.0	<1.0	1.1	ND	<1.0	ND	<1.0	2.2
MW-15A	KEP-GW-015A-004	6/11/08	**34**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.8
MW-15A	KEP-GW-015A-005	9/9/08	**41**	1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.9
MW-15A	KEP-GW-015A-006	12/3/08	**32**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.6
MW-15A	KEP-GW-015A-007	3/5/09	**31**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.9
MW-15A	KEP-GW-015A-008	6/10/09	**46**	1.1	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	3.1
MW-15A	KEP-GW-015A-009	9/11/09	**40**	1.1	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	3.5
MW-15A	KEP-GW-015A-010	12/4/09	**42**	1.4	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	3.6
MW-15A	KEP-GW-015A-011	3/5/10	**55**	1.4	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	3.7
MW-15A	KEP-GW-015A-012	6/1/10	**63**	1.9	<1.0	<1.0	2.0	ND	<1.0	ND	<1.0	5.2
MW-15A	KEP-GW-015A-013	9/7/10	**76**	1.9	<1.0	<1.0	2.0	ND	<1.0	ND	<1.0	5.3
MW-15A	KEP-GW-015A-014	12/9/10	**48**	1.1	<1.0	<1.0	2.9	ND	<1.0	ND	<1.0	**6.4**
MW-15A	KEP-GW-015A-015	2/27/11	**52**	1.6	<1.0	<1.0	2.1	ND	<1.0	ND	<1.0	**7.7**
MW-15A	KEP-GW-015A-015	2/27/11	**52**	1.5	1.0	<0.50	2.3	<0.50	ND	<0.50	ND	4.0
MW-15A	KEP-Duplicate #1	2/27/11	**52**	1.6	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	**7.3**
MW-15A	KEP-Duplicate 1	2/27/11	**51**	1.5	1	<0.50	2.4	<0.50	ND	<0.50	ND	3.7
MW-15A	KEP-GW-015A-016	10/3/2011	**60.5**	1.86[J]	1.36[J]	<5.0[1]	4.29[J]	**0.530[J]**	<5.0[1]	<5.0[1]	<5.0[1]	**7.3**
MW-15A	KEP-DUP-001	10/3/2011	**63.6**	1.77[J]	1.43[J]	<5.0[1]	3.56[J]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	**8.0**

Concentrations are expressed as micrograms per liter (µg/L).

Data prior to October 2011 was supplied BorgWarner, Inc.

ND - No Data

NA - Not Analyzed

Concentrations in **bold** exceed their respective TRGs

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

1 - Concentrations were reported to adjusted method detection limit, which is less than the expressed adjusted reporting limit

Table 3 - Continued

Groundwater Monitoring Results - Offsite Wells
October 2011
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloro-form	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
	MDEQ TRGs (µg/L)		**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-15B	KEP-GW-015B-001	8/1/07	**10**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	4.3
MW-15B	KEP-GW-015B-001	8/1/07	5.08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<0.50
MW-15B	KEP-Duplicate	8/1/07	**11**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	4.4
MW-15B	KEP-Duplicate	8/1/07	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<0.50
MW-15B	KEP-GW-015B-002	11/1/07	**12**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	6.0
MW-15B	KEP-GW-015B-003	3/26/08	**8.6**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	4.5
MW-15B	KEP-GW-015B-004	6/11/08	6.6	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	3.2
MW-15B	KEP-GW-015B-005	9/9/08	**8.6**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	3.8
MW-15B	KEP-GW-015B-006	12/3/08	**11**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	4.5
MW-15B	KEP-GW-015B-007	3/5/09	**17**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	**7.8**
MW-15B	KEP-GW-015B-008	6/10/09	**16**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	**8.7**
MW-15B	KEP-GW-015B-009	9/11/09	**28**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	**13.0**
MW-15B	KEP-GW-015B-010	12/4/09	**24**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	**10.0**
MW-15B	KEP-GW-015B-011	3/5/10	**22**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	**7.2**
MW-15B	KEP-GW-015B-012	6/1/10	**25**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	**10.0**
MW-15B	KEP-GW-015B-012	6/1/10	**28**	<1.0	0.54	<1.0	<1.0	<1.0	ND	<1.0	ND	**7.2**
MW-15B	KEP-GW-015B-013	9/7/10	**26**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	**9.8**
MW-15B	KEP-GW-015B-014	12/9/10	**25**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	**8.5**
MW-15B	KEP-GW-015B-015	2/27/11	**23**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	**8.3**
MW-15B	KEP-GW-015B-015	2/27/11	**22**	<0.50	<0.50	<0.50	<0.50	<0.50	ND	<0.50	ND	4.3
MW-15B	KEP-GW-015B-016	10/3/2011	**22.7**	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	**6.1**

Concentrations are expressed as micrograms per liter (µg/L).

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NA - Not Analyzed

Concentrations in **bold** exceed their respective TRGs

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

1 - Concentrations were reported to adjusted method detection limit, which is less than the expressed adjusted reporting limit

Table 3 - Continued

Groundwater Monitoring Results - Offsite Wells
October 2011
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloro-form	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
	MDEQ TRGs (µg/L)		**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-16	KEP-GW-016-001	7/30/07	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-16	KEP-GW-016-002	11/5/07	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-16	KEP-GW-016-003	3/27/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-16	KEP-GW-016-004	6/12/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-16	KEP-GW-016-005	9/10/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-16	KEP-GW-016-006	12/4/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-16	KEP-GW-016-007	3/3/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-16	KEP-GW-016-008	6/8/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-16	KEP-GW-016-009	9/8/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-16	KEP-GW-016-010	12/3/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-16	KEP-GW-016-011	2/27/10	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-16	KEP-GW-016-012	6/4/10	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-16	KEP-GW-016-013	9/4/10	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-16	KEP-GW-016-014	12/6/10	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-16	KEP-GW-016-015	2/26/11	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-16	KEP-GW-016-016	10/5/2011	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	0.80[J]

Concentrations are expressed as micrograms per liter (µg/L).

Data prior to October 2011 was supplied BorgWarner, Inc.

ND - No Data

NA - Not Analyzed

Concentrations in **bold** exceed their respective TRGs

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

1 - Concentrations were reported to adjusted method detection limit, which is less than the expressed adjusted reporting limit

Table 3 - Continued

Groundwater Monitoring Results - Offsite Wells
October 2011
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloro-form	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
	MDEQ TRGs (µg/L)		**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-17A	KEP-GW-017A-001	7/31/07	**48**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	4.3
MW-17A	KEP-GW-017A-002	11/1/07	**50**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.6
MW-17A	KEP-GW-017A-003	3/26/08	**47**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.3
MW-17A	KEP-GW-017A-004	6/10/08	**43**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	3.3
MW-17A	KEP-GW-017A-005	9/10/08	**25**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	5.3
MW-17A	KEP-GW-017A-006	12/1/08	**25**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	5.0
MW-17A	KEP-GW-017A-007	3/9/09	**34**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	2.7
MW-17A	KEP-GW-017A-008	6/8/09	**22**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	3.9
MW-17A	KEP-GW-017A-009	9/10/09	**43**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	2.3
MW-17A	KEP-GW-017A-010	12/1/09	**49**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.9
MW-17A	KEP-GW-017A-011	2/27/10	**38**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	2.0
MW-17A	KEP-GW-017A-012	6/4/10	**36**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	3.0
MW-17A	KEP-GW-017A-013	9/8/10	**40**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	2.2
MW-17A	KEP-GW-017A-014	12/7/10	**39**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	2.3
MW-17A	KEP-GW-017A-015	2/26/11	**39**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	2.9
MW-17A	KEP-GW-017A-016	10/3/2011	**31.0**	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	2.8[J]

Concentrations are expressed as micrograms per liter (µg/L).

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Concentrations in **bold** exceed their respective TRGs

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

1 - Concentrations were reported to adjusted method detection limit, which is less than the expressed adjusted reporting limit

Table 3 - Continued

Groundwater Monitoring Results - Offsite Wells
October 2011
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloro-form	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
	MDEQ TRGs (µg/L)		**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-17B	KEP-GW-017B-001	7/31/07	**17**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-17B	KEP-GW-017B-002	11/1/07	**17**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.3
MW-17B	KWP-GW-017B-003	3/26/08	**12**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-17B	KWP-GW-017B-004	6/10/08	**18**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-17B	KWP-GW-017B-005	9/10/08	**16**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-17B	KWP-GW-017B-006	12/1/08	**13**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.2
MW-17B	KWP-GW-017B-007	3/3/09	**10**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-17B	KWP-GW-017B-008	6/8/09	**16**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-17B	KWP-GW-017B-009	9/10/09	**14**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-17B	KWP-GW-017B-010	12/1/09	**13**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-17B	KWP-GW-017B-011	2/27/10	**10**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-17B	KWP-GW-017B-012	6/4/10	**16**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-17B	KWP-GW-017B-013	9/8/10	**11**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-17B	KWP-GW-017B-014	12/7/10	**11**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-17B	KWP-GW-017B-015	2/26/11	**10**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-17B	KEP-GW-017B-016	10/3/2011	**11.5**	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	0.98[J]

Concentrations are expressed as micrograms per liter (µg/L).

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ND - No Data

NA - Not Analyzed

Concentrations in **bold** exceed their respective TRGs

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

1 - Concentrations were reported to adjusted method detection limit, which is less than the expressed adjusted reporting limit

Table 3 - Continued

Groundwater Monitoring Results - Offsite Wells
October 2011
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloro-form	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
	MDEQ TRGs (µg/L)		**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-18A	KEP-GW-018A-001	7/31/07	**31**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	5.1
MW-18A	KEP-GW-018A-001	7/31/07	**31.7**	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<0.50
MW-18A	KEP-GW-018A-002	11/3/07	**31**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	5.2
MW-18A	KEP-GW-018A-003	3/27/08	**33**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	**6.3**
MW-18A	KEP-GW-018A-004	6/10/08	**32**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	4.5
MW-18A	KEP-GW-018A-004	6/10/08	**39**	0.54	<0.50	<0.50	0.85	**0.38**[J]	ND	<0.50	ND	3.7
MW-18A	KEP-Duplicate 2	6/10/08	**33**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	4.5
MW-18A	KEP-Duplicate 2	6/10/08	**39**	0.51	<0.50	<0.50	0.77	**0.41**[J]	ND	<0.50	ND	3.9
MW-18A	KEP-GW-018A-005	9/8/08	**33**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	5.1
MW-18A	KEP-GW-018A-006	12/1/08	**27**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	**7.0**
MW18A	KEP-GW-018A-006	12/1/08	**42**	0.54	<0.50	<0.50	0.72	<0.50	ND	<0.50	ND	3.8
MW-18A	KEP-Duplicate 1	12/1/08	**30**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	**6.9**
MW18A	KEP-Duplicate 1	12/1/08	**42**	0.54	<0.50	<0.50	0.73	<0.50	ND	<0.50	ND	3.8
MW-18A	KEP-GW-018A-007	3/3/09	**28**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	4.1
MW-18A	KEP-GW-018A-007	3/3/09	**42**	0.52	<0.50	<0.50	0.78	<0.50	ND	<0.50	ND	3.0
MW-18A	KEP-GW-018A-008	6/2/09	**32**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	5.3
MW-18A	KEP-GW-018A-008	6/2/09	**43**	0.57	<0.50	<0.50	0.79	<0.50	ND	<0.50	ND	2.4
MW-18A	KEP-Duplicate 1	6/2/09	**34**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	5.7
MW-18A	Duplicate 1	6/2/09	**46**	0.59	<0.50	<0.50	0.84	<0.50	ND	<0.50	ND	3.5
MW-18A	KEP-GW-018A-009	9/7/09	**30**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	4.9
MW-18A	KEP-GW-018A-010	12/7/09	**23**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	5.0
MW-18A	KEP-GW-018A-011	3/1/10	**16**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	3.6
MW-18A	KEP-GW-018A-012	6/3/10	**12**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	2.2
MW-18A	KEP-GW-018A-013	9/6/10	**20**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	2.8
MW-18A	KEP-GW-018A-013	9/6/10	**24**	<0.50	<0.50	<0.50	<0.50	<0.50	ND	<0.50	ND	2.1
MW-18A	KEP-GW-018A-014	12/8/10	**19**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	2.7
MW-18A	KEP-GW-018A-015	2/28/11	**16**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	2.4
MW-18A	KEP-GW-018A-015	2/28/11	**19**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.5
MW-18A	KEP-Duplicate #2	2/28/11	**17**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	2.4
MW-18A	KEP-Duplicate 2	2/28/11	**18**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.4
MW-18A	KEP-GW-018A-016	10/3/2011	**11.4**	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	1.7[J]

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Concentrations in **bold** exceed their respective TRGs

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

1 - Concentrations were reported to adjusted method detection limit, which is less than the expressed adjusted reporting limit

Table 3 - Continued

Groundwater Monitoring Results - Offsite Wells
October 2011
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloro-form	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
	MDEQ TRGs (µg/L)		**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-18B	KEP-GW-018B-001	7/31/07	**10**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-18B	KEP-GW-018B-002	11/3/07	**11**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-18B	KEP-GW-018B-003	3/27/08	**11**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-18B	KEP-GW-018B-004	6/10/08	**12**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-18B	KEP-GW-018B-005	9/8/08	**10**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-18B	KEP-GW-018B-006	12/1/08	**13**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW18B	KEP-GW-018B-006	12/1/08	**19**	<0.50	<0.50	<0.50	<0.50	<0.50	ND	<0.50	ND	<0.50
MW-18B	KEP-GW-018B-007	3/3/09	**13**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-18B	KEP-GW-018B-008	6/2/09	**17**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-18B	KEP-GW-018B-008	6/2/09	**26**	<0.50	<0.50	<0.50	<0.50	<0.50	ND	<0.50	ND	<0.50
MW-18B	KEP-GW-018B-009	9/7/09	**19**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-18B	KEP-Duplicate 1	9/7/09	**19**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-18B	KEP-GW-018B-010	12/7/09	**17**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-18B	KEP-Duplicate 2	12/7/09	**19**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-18B	KEP-GW-018B-011	3/1/10	**19**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-18B	KEP-Duplicate 1	3/1/10	**19**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-18B	KEP-GW-018B-012	6/3/10	**21**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-18B	KEP-GW-018B-013	9/6/10	**24**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-18B	KEP-GW-018B-013	9/6/10	**31**	<0.50	<0.50	<0.50	<0.50	<0.50	ND	<0.50	ND	<0.50
MW-18B	KEP-Duplicate 2	9/6/10	**24**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-18B	KEP-Duplicate 2	9/6/10	**32**	<0.50	<0.50	<0.50	<0.50	<0.50	ND	<0.50	ND	<0.50
MW-18B	KEP-GW-018B-014	12/8/10	**24**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-18B	KEP-GW-018B-015	2/28/11	**24**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-18B	KEP-GW-018B-016	10/3/2011	**23.0**	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	0.54[J]

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Table 3 - Continued

Groundwater Monitoring Results - Offsite Wells
October 2011
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloro-form	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
	MDEQ TRGs (µg/L)		**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-19	KEP-GW-019-001	8/3/07	1.5	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-19	KEP-GW-019-002	11/7/07	2.9	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-19	KEP-GW-019-003	3/25/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-19	KEP-GW-019-004	6/13/08	3.4	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-19	KEP-GW-019-005	9/11/08	2.4	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-19	KEP-GW-019-006	12/7/08	4.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-19	KEP-GW-019-007	3/4/09	4.4	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-19	KEP-GW-019-008	6/9/09	4.8	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-19	KEP-GW-019-009	9/9/09	4.6	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-19	KEP-GW-019-010	12/9/09	4.4	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-19	KEP-GW-019-011	2/28/10	4.1	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-19	KEP-GW-019-012	6/3/10	5.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-19	KEP-GW-019-013	9/6/10	5.4	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-19	KEP-GW-019-014	12/8/10	4.4	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-19	KEP-GW-019-01503	2/27/11	4.6	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-19	KEP-GW-019-016	10/5/2011	6.34	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	0.95[J]

Concentrations are expressed as micrograms per liter (µg/L).

Data prior to October 2011 was supplied BorgWarner, Inc.

ND - No Data

NA - Not Analyzed

Concentrations in **bold** exceed their respective TRGs

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

1 - Concentrations were reported to adjusted method detection limit, which is less than the expressed adjusted reporting limit

Table 3 - Continued

Groundwater Monitoring Results - Offsite Wells
October 2011
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloro-form	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
		MDEQ TRGs (µg/L)	**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-20A	KEP-GW-020A-001	8/2/07	**20**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-20A	KEP-GW-020A-002	11/3/07	**23**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.1
MW-20A	KEP-GW-020A-003	3/28/08	3.8	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-20A	KEP-GW-020A-003	3/28/08	3.6	<0.50	<0.50	<0.50	<0.50	<0.50	ND	<0.50	ND	<0.50
MW-20A	KEP-Duplicate 2	3/28/08	2.3	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-20A	Duplicate 2	3/28/08	4.5	<0.50	<0.50	<0.50	<0.50	<0.50	ND	<0.50	ND	<0.50
MW-20A	KEP-GW-020A-004	6/9/08	2.9	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-20A	KEP-GW-020A-004	6/9/08	3.5	<0.50	<0.50	<0.50	<0.50	0.060[J]	ND	<0.50	ND	<0.50
MW-20A	KEP-GW-020A-005	9/9/08	4.1	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-20A	KEP-GW-020A-005	9/9/08	4.4	<0.50	<0.50	<0.50	<0.50	<0.50	ND	<0.50	ND	<0.50
MW-20A	KEP-Duplicate 2	9/9/08	4.1	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-20A	KEP-Duplicate 2	9/9/08	4.0	<0.50	<0.50	<0.50	<0.50	<0.50	ND	<0.50	ND	<0.50
MW-20A	KEP-GW-020A-006	12/2/08	1.1	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW20A	KEP-GW-020A-006	12/2/08	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	ND	<0.50	ND	<0.50
MW-20A	KEP-Duplicate 2	12/2/08	1.1	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW20A	KEP-Duplicate 2	12/2/08	0.98	<0.50	<0.50	<0.50	<0.50	<0.50	ND	<0.50	ND	<0.50
MW-20A	KEP-GW-020A-007	3/5/09	1.1	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-20A	KEP-GW-020A-006	6/3/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-20A	KEP-GW-020A-008	6/2/09	0.93	<0.50	<0.50	<0.50	<0.50	<0.50	ND	<0.50	ND	<0.50
MW-20A	KEP-Duplicate 2	6/3/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-20A	KEP-Duplicate 2	6/2/09	0.76	<0.50	<0.50	<0.50	<0.50	<0.50	ND	<0.50	ND	<0.50
MW-20A	KEP-GW-020A-009	9/10/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-20A	KEP-GW-020A-010	12/9/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-20A	KEP-GW-020A-011	3/3/10	3.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-20A	KEP-GW-020A-012	6/1/10	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW20A	KEP-020A-012	6/1/10	0.75	<0.50	<0.50	<0.50	<0.50	<0.50	ND	<0.50	ND	<0.50
MW-20A	KEP-Duplicate 2	6/1/10	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-20A	KEP-Duplicate 2	6/1/10	0.74	<0.50	<0.50	<0.50	<0.50	<0.50	ND	<0.50	ND	<0.50
MW-20A	KEP-GW-020A-013	9/7/10	2.5	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-20A	KEP-GW-020A-014	12/10/10	3.1	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-20A	KEP-GW-020A-015	2/28/11	2.3	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-20A	KEP-GW-020A-016	10/6/2011	**12.5**	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<3.0[1]

Concentrations are expressed as micrograms per liter (µg/L).

Data prior to October 2011 was supplied BorgWarner, Inc.

ND - No Data

NA - Not Analyzed

Concentrations in **bold** exceed their respective TRGs

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

1 - Concentrations were reported to adjusted method detection limit, which is less than the expressed adjusted reporting limit

Table 3 - Continued

Groundwater Monitoring Results - Offsite Wells
October 2011
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloro-form	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
		MDEQ TRGs (µg/L)	**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-20B	KEP-GW-020B-001	8/2/07	**46**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	2.5
MW-20B	KEP-GW-020B-002	11/3/07	**44**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	3.1
MW-20B	KEP-GW-020B-002	11/3/07	**46.9**	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<0.50
MW-20B	KEP-Duplicate	11/3/07	**44**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	3.5
MW-20B	KEP-Duplicate	11/3/07	**45.9**	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<0.50
MW-20B	KEP-GW-020B-003	3/28/08	**14**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.1
MW-20B	KEP-GW-020B-003	3/28/08	**19**	<0.50	<0.50	<0.50	<0.50	<0.50	ND	<0.50	ND	0.64
MW-20B	KEP-GW-020B-004	6/9/08	**12**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-20B	KEP-GW-020B-004	6/9/08	**15**	<0.50	<0.50	<0.50	<0.50	<0.50	ND	<0.50	ND	0.89
MW-20B	KEP-Duplicate 1	6/9/08	**13**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-20B	KEP-Duplicate 1	6/9/08	**15**	<0.50	<0.50	<0.50	<0.50	0.070[J]	ND	<0.50	ND	0.77
MW-20B	KEP-GW-020B-005	9/9/08	**15**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.0
MW-20B	KEP-GW-020B-005	6/9/08	5.9	<0.50	<0.50	<0.50	<0.50	<0.50	ND	<0.50	ND	<0.50
MW-20B	KEP-GW-020B-006	12/2/08	**15**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.5
MW-20B	KEP-GW-020B-006	12/2/08	**20**	<0.50	<0.50	<0.50	<0.50	<0.50	ND	<0.50	ND	0.89
MW-20B	KEP-GW-020B-007	3/5/09	**14**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.2
MW-20B	KEP-GW-020B-008	6/3/09	**15**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.3
MW-20B	KEP-GW-020B-008	6/2/09	**20**	<0.50	<0.50	<0.50	<0.50	<0.50	ND	<0.50	ND	1.0
MW-20B	KEP-GW-020B-009	9/10/09	**16**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.3
MW-20B	KEP-GW-020B-010	12/9/09	**13**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.2
MW-20B	KEP-GW-020B-011	3/3/10	**11**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.1
MW-20B	KEP-GW-020B-012	6/1/10	**12**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.4
MW-20B	KEP-GW-020B-013	9/7/10	**12**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.2
MW-20B	KEP-GW-020B-014	12/10/10	**11**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.3
MW-20B	KEP-GW-020B-015	2/28/11	**11**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.4
MW-20B	KEP-GW-020B-016	10/6/2011	0.860[J]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	2.1[J]

Concentrations are expressed as micrograms per liter (µg/L).

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Concentrations in **bold** exceed their respective TRGs

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

1 - Concentrations were reported to adjusted method detection limit, which is less than the expressed adjusted reporting limit

Table 3 - Continued

Groundwater Monitoring Results - Offsite Wells
October 2011
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloro-form	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
	MDEQ TRGs (µg/L)		**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-21A	KEP-GW-021A-001	8/1/07	**29**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	1.6	<1.0
MW-21A	KEP-GW-021A-002	11/6/07	**42**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	2.4	1.5
MW-21A	KEP-GW-021A-003	3/27/08	**44**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	2.1	2.3
MW-21A	KEP-GW-021A-004	6/10/08	**19**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-21A	KEP-GW-021A-005	9/9/08	**45**	1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	1.3	2.0
MW-21A	KEP-GW-021A-006	12/2/08	**18**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.4
MW-21A	KEP-GW-021A-007	3/4/09	**15**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	2.4	<1.0
MW-21A	KEP-GW-021A-008	6/4/09	<1.0	1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-21A	KEP-GW-021A-009	9/10/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-21A	KEP-GW-021A-010	12/4/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-21A	KEP-GW-021A-011	2/28/10	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-21A	KEP-GW-021A-012	6/4/10	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-21A	KEP-GW-021A-013	9/5/10	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-21A	KEP-GW-021A-014	12/9/10	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-21A	KEP-GW-021A-015	2/28/11	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	2.1	<1.0
MW-21A	KEP-GW-21A-015	2/28/11	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-21A	KEP-GW-021A-016	10/5/2011	0.560^{J}	<5.0^{1}	<5.0^{1}	<5.0^{1}	<5.0^{1}	**2.88**^{J}	<5.0^{1}	<5.0^{1}	<5.0^{1}	0.82^{J}

Concentrations are expressed as micrograms per liter (µg/L).

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Concentrations in **bold** exceed their respective TRGs

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

1 - Concentrations were reported to adjusted method detection limit, which is less than the expressed adjusted reporting limit

Table 3 - Continued

Groundwater Monitoring Results - Offsite Wells
October 2011
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloro-form	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
	MDEQ TRGs (µg/L)		**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-21B	KEP-GW-021B-001	8/3/07	1.1	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-21B	KEP-GW-021B-002	11/6/07	4.1	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-21B	KEP-GW-021B-003	3/27/08	3.2	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-21-B	KEP-GW-021B-004	6/10/08	3.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-21-B	KEP-GW-021B-005	9/9/08	3.7	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-21-B	KEP-GW-021B-006	12/2/08	3.4	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-21-B	KEP-GW-021B-007	3/4/09	**10**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.4
MW-21-B	KEP-GW-021B-008	6/4/09	**12**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.3
MW-21-B	KEP-GW-021B-009	9/10/09	**19**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	2.1
MW-21-B	KEP-GW-021B-010	12/4/09	**12**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.5
MW-21-B	KEP-GW-021B-011	2/28/10	**7.2**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-21-B	KEP-GW-021B-012	6/4/10	**7.2**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-21-B	KEP-GW-021B-013	9/5/10	**7.6**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.0
MW-21-B	KEP-GW-021B-014	12/9/10	**6.7**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.0
MW-21B	KEP-GW-021B-015	2/28/11	**10**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.8
MW-21B	KEP-GW-021B-016	10/5/2011	**11.7**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	2.4[J]
MW-21B	KEP-DUP-002	10/5/2011	**11.4**	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	2.1[J]

Concentrations are expressed as micrograms per liter (µg/L).

Data prior to October 2011 was supplied BorgWarner, Inc.

ND - No Data

NA - Not Analyzed

Concentrations in **bold** exceed their respective TRGs

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

1 - Concentrations were reported to adjusted method detection limit, which is less than the expressed adjusted reporting limit

Table 3 - Continued

Groundwater Monitoring Results - Offsite Wells
October 2011
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloro-form	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
	MDEQ TRGs (µg/L)		**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-22	KEP-GW-022-001	8/2/07	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-22	KEP-GW-022-002	11/6/07	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-22	KEP-GW-022-003	3/29/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-22	KEP-GW-022-004	6/12/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-22	KEP-GW-022-005	9/11/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-22	KEP-GW-022-006	12/7/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-22	KEP-GW-022-007	3/6/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-22	KEP-GW-022-008	6/1/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-22	KEP-GW-022-009	9/9/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-22	KEP-GW-022-010	12/9/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-22	KEP-GW-022-011	3/3/10	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-22	KEP-GW-022-012	6/1/10	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-22	KEP-GW-022-013	9/5/10	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-22	KEP-GW-022-014	12/1010	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-22	KEP-GW-022-015	2/28/11	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-22	KEP-GW-022-016	10/5/2011	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	1.1[J]

Concentrations are expressed as micrograms per liter (µg/L).

Data prior to October 2011 was supplied BorgWarner, Inc.

ND - No Data

NA - Not Analyzed

Concentrations in **bold** exceed their respective TRGs

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

1 - Concentrations were reported to adjusted method detection limit, which is less than the expressed adjusted reporting limit

Table 3 - Continued

Groundwater Monitoring Results - Offsite Wells
October 2011
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloro-form	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
	MDEQ TRGs (µg/L)		**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-23A	KEP-GW-023A-001	8/2/07	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-23A	KEP-GW-023A-002	11/2/07	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-23A	KEP-GW-023A-003	3/25/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-23A	KEP-GW-023A-004	6/10/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-23A	KEP-GW-023A-005	9/7/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-23A	KEP-GW-023A-006	12/3/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-23A	KEP-GW-023A-007	3/4/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-23A	KEP-GW-023A-008	6/2/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-23A	KEP-GW-023A-009	9/6/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-23A	KEP-GW-023A-010	12/1/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-23A	KEP-GW-023A-011	3/2/10	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-23A	KEP-GW-023A-012	6/2/10	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-23A	KEP-GW-023A-013	9/6/10	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-23A	KEP-GW-023A-013	9/6/10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-23A	KEP-GW-023A-014	12/7/10	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-23A	KEP-GW-023A-015	2/27/11	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-23A	KEP-GW-023A-016	10/3/2011	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	0.56[J]

Concentrations are expressed as micrograms per liter (µg/L).

Data prior to October 2011 was supplied BorgWarner, Inc.

ND - No Data

NA - Not Analyzed

Concentrations in **bold** exceed their respective TRGs

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

1 - Concentrations were reported to adjusted method detection limit, which is less than the expressed adjusted reporting limit

Table 3 - Continued

Groundwater Monitoring Results - Offsite Wells
October 2011
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloro-form	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
	MDEQ TRGs (µg/L)		**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-23B	KEP-GW-023B-001	8/2/07	**41**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.6
MW-23B	KEP-GW-023B-001	8/2/07	**40.1**	<1.0	<1.0	<1.0	1.23	<1.0	ND	<1.0	ND	<0.50
MW-23B	KEP-GW-023B-002	11/2/07	**40**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.9
MW-23B	KEP-GW-023B-002	11/2/07	**41.7**	<1.0	<1.0	<1.0	1.04	<1.0	ND	<1.0	ND	<0.50
MW-23B	KEP-GW-023B-003	3/25/08	**23**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-23B	KEP-GW-023B-004	6/10/08	**10**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-23B	KEP-GW-023B-005	9/7/08	**11**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-23B	KEP-GW-023B-006	12/3/08	**15**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.0
MW-23B	KEP-GW-023B-007	3/4/09	**25**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.1
MW-23B	KEP-GW-023B-008	6/2/09	**23**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.9
MW-23B	KEP-GW-023B-009	9/6/09	**24**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	2.3
MW-23B	KEP-GW-023B-010	12/1/09	**24**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	2.8
MW-23B	KEP-GW-023B-010	12/1/09	**31**	<0.50	<0.50	<0.50	0.55	<0.50	ND	<0.50	ND	2.2
MW-23B	KEP-GW-023B-011	3/2/10	**19**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	2.4
MW-23B	KEP-GW-023B-012	6/2/10	**23**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	2.9
MW-23B	KEP-GW-023B-013	9/6/10	**20**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	2.6
MW-23B	KEP-GW-023B-014	12/7/10	**20**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	2.5
MW-23B	KEP-GW-023B-015	2/27/11	**19**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	2.3
MW-23B	KEP-GW-023B-016	10/03/11	**38.6**	<5.0[1]	<5.0[1]	<5.0[1]	1.15[J]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	4.0

Concentrations are expressed as micrograms per liter (µg/L).

Data prior to October 2011 was supplied BorgWarner, Inc.

ND - No Data

NA - Not Analyzed

Concentrations in **bold** exceed their respective TRGs

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

1 - Concentrations were reported to adjusted method detection limit, which is less than the expressed adjusted reporting limit

Table 3 - Continued

Groundwater Monitoring Results - Offsite Wells
October 2011
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloro-form	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
	MDEQ TRGs (µg/L)		**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-24	KEP-GW-024-001	8/2/07	2.3	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-24	KEP-GW-024-002	11/6/07	3.1	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-24	KEP-GW-024-003	3/28/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-24	KEP-GW-024-004	6/12/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-24	KEP-GW-024-005	9/11/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-24	KEP-GW-024-006	12/7/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-24	KEP-GW-024-007	3/6/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-24	KEP-GW-024-008	6/1/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-24	KEP-GW-024-009	9/9/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-24	KEP-GW-024-010	12/9/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-24	KEP-GW-024-011	3/3/10	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-24	KEP-GW-024-012	6/1/10	2.8	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-24	KEP-GW-024-013	9/10/10	**8.3**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-24	KEP-GW-024-014	12/8/10	**7.7**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-24	KEP-GW-024-015	2/27/11	6.6	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-24	KEP-GW-024-016	10/4/2011	**9.44**	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	0.57[J]

Concentrations are expressed as micrograms per liter (µg/L).

Data prior to October 2011 was supplied BorgWarner, Inc.

ND - No Data

NA - Not Analyzed

Concentrations in **bold** exceed their respective TRGs

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

1 - Concentrations were reported to adjusted method detection limit, which is less than the expressed adjusted reporting limit

Table 3 - Continued

Groundwater Monitoring Results - Offsite Wells
October 2011
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloro-form	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
	MDEQ TRGs (µg/L)		**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-25	KEP-GW-025-001	8/1/07	**15**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.8
MW-25	KEP-GW-025-002	11/5/07	**14**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	2.2
MW-25	KEP-GW-025-002	11/5/07	**14.6**	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<0.50
MW-25	KEP-GW-025-003	3/28/08	1.8	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-25	KEP-GW-025-004	6/12/08	1.6	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-25	KEP-GW-025-005	9/10/08	1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-25	KEP-GW-025-006	12/5/08	1.5	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-25	KEP-GW-025-007	3/6/09	1.2	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-25	KEP-GW-025-008	6/1/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-25	KEP-GW-025-009	9/5/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-25	KEP-GW-025-010	12/2/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-25	KEP-GW-025-011	3/4/10	1.2	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-25	KEP-GW-025-012	6/3/10	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-25	KEP-GW-025-013	9/5/10	2.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-25	KEP-GW-025-013	12/8/10	**11.0**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	2.0
MW-25	KEP-GW-025-015	3/1/11	**12**	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	2.4
MW-25	KEP-GW-025-016	10/4/2011	2.24[J]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	0.74[J]

Concentrations are expressed as micrograms per liter (µg/L).

Data prior to October 2011 was supplied BorgWarner, Inc.

ND - No Data

NA - Not Analyzed

Concentrations in **bold** exceed their respective TRGs

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

1 - Concentrations were reported to adjusted method detection limit, which is less than the expressed adjusted reporting limit

Table 3 - Continued

Groundwater Monitoring Results - Offsite Wells
October 2011
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloro-form	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
	MDEQ TRGs (µg/L)		**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-26	KEP-GW-026-001	8/3/07	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-26	KEP-GW-026-002	11/7/07	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-26	KEP-GW-026-003	3/25/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-26	KEP-GW-026-004	6/13/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-26	KEP-GW-026-005	9/11/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-26	KEP-GW-026-006	12/5/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-26	KEP-GW-026-007	3/4/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-26	KEP-GW-026-008	6/9/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-26	KEP-GW-026-009	9/9/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-26	KEP-GW-026-010	12/6/09	1.1	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-26	KEP-GW-026-011	3/4/10	1.3	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-26	KEP-GW-026-012	6/2/10	2	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.3
MW-26	KEP-GW-026-013	9/6/10	2.1	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.4
MW-26	KEP-GW-026-014	12/8/10	2.3	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.5
MW-26	KEP-GW-026-015	3/1/11	2.4	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	1.5
MW-26	KEP-GW-026-016	10/4/2011	3.60[J]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	3.1

Concentrations are expressed as micrograms per liter (µg/L).

Data prior to October 2011 was supplied BorgWarner, Inc.

ND - No Data

NA - Not Analyzed

Concentrations in **bold** exceed their respective TRGs

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

1 - Concentrations were reported to adjusted method detection limit, which is less than the expressed adjusted reporting limit

Table 3 - Continued

Groundwater Monitoring Results - Offsite Wells
October 2011
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloro-form	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
	MDEQ TRGs (µg/L)		**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-27	KEP-GW-027-001	7/28/07	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-27	KEP-GW-027-002	11/5/07	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-27	KEP-GW-027-003	3/28/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-27	KEP-GW-027-004	6/12/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-27	KEP-GW-027-005	9/10/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-27	KEP-GW-027-006	12/5/08	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-27	KEP-GW-027-007	3/6/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-27	KEP-GW-027-008	6/1/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-27	KEP-GW-027-009	9/5/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-27	KEP-GW-027-010	12/2/09	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-27	KEP-GW-027-011	3/4/10	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-27	KEP-GW-027-012	6/2/10	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-27	KEP-GW-027-013	9/7/10	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-27	KEP-GW-027-014	12/9/10	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-27	KEP-GW-027-015	3/1/11	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-27	KEP-GW-027-016	10/6/2011	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	1.0[J]

Concentrations are expressed as micrograms per liter (µg/L).

Data prior to October 2011 was supplied BorgWarner, Inc.

ND - No Data

NA - Not Analyzed

Concentrations in **bold** exceed their respective TRGs

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

1 - Concentrations were reported to adjusted method detection limit, which is less than the expressed adjusted reporting limit

Table 3 - Continued

Groundwater Monitoring Results - Offsite Wells
October 2011
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloro-form	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
	MDEQ TRGs (µg/L)		**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-28	KEP-GW-028-001	12/6/2009	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-28	KEP-GW-028-002	3/4/2010	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-28	KEP-GW-028-003	6/2/2010	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-28	KEP-GW-028-004	9/6/2010	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-28	KEP-GW-028-005	12/8/2010	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-28	KEP-GW-028-006	3/1/2011	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-28	KEP-GW-028-007	10/4/2011	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	0.79[J]

Concentrations are expressed as micrograms per liter (µg/L).

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Concentrations in **bold** exceed their respective TRGs

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

1 - Concentrations were reported to adjusted method detection limit, which is less than the expressed adjusted reporting limit

Table 3 - Continued

Groundwater Monitoring Results - Offsite Wells
October 2011
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Well ID	Sample ID	Date Collected	1,1-Dichloro-ethene	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Chloro-form	Dibromo-chloro-methane	Trichloro-ethene (TCE)	Tetra-chloro-ethene (PCE)	1,4-Dioxane
		MDEQ TRGs (µg/L)	**7**	**798**	**5**	**200**	**5**	**0.155**	**0.126**	**5**	**5**	**6.09**
MW-29	KEP-GW-029-001	12/6/2009	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-29	KEP-GW-029-002	3/4/2010	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-29	KEP-GW-029-003	6/2/2010	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-29	KEP-GW-029-004	9/6/2010	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-29	KEP-GW-029-004	9/6/10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	ND	<0.50	ND	<0.50
MW-29	KEP-Duplicate 1	9/6/2010	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-29	KEP-Duplicate 1	9/6/10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	ND	<0.50	ND	<0.50
MW-29	KEP-GW-029-005	12/8/2010	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-29	KEP-GW-029-006	3/1/2011	<1.0	<1.0	<1.0	<1.0	<1.0	ND	<1.0	ND	<1.0	<1.0
MW-29	KEP-GW-029-007	10/4/2011	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	1.1[J]

Concentrations are expressed as micrograms per liter (µg/L).

Data prior to October 2011 was supplied BorgWarner, Inc.

ND - No Data

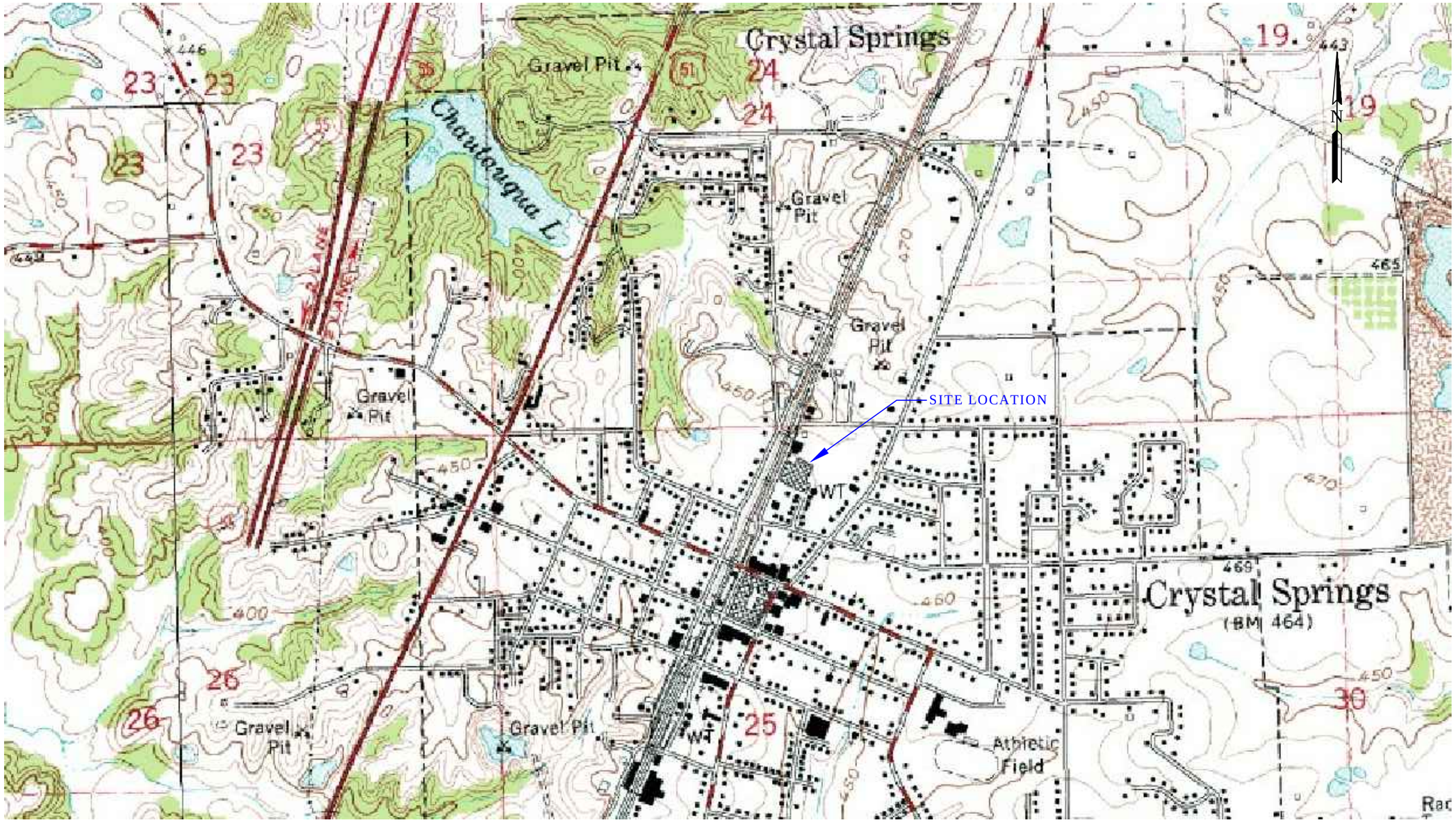
NA - Not Analyzed

Concentrations in **bold** exceed their respective TRGs

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

1 - Concentrations were reported to adjusted method detection limit, which is less than the expressed adjusted reporting limit

FIGURES



SCALE 1 INCH = 1000 FEET

250 500 1000

0 250 500 1000 2000

NOTE: PROPERTY BOUNDARIES AND SCALE ARE APPROXIMATE.

REFERENCE: U.S.G.S. TOPOGRAPHIC MAP
1963 – CRYSTAL SPRINGS
7.5 MINUTE SERIES
COPIAH COUNTY, MS

SITE LOCATION MAP

SEMI–ANNUAL GROUNDWATER ASSESSMENT
KUHLMAN ELECTRIC BUILDING
CRYSTAL SPRINGS, MS

DATE: 6/04/08	APPROVED: BY: _____ DATE: _____	DRAWN BY: D.E.P.	
SCALE: 1"=1000'		PROJECT NO. KUHO–11–002	

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

FIGURE 1

KUHLMAN ELECTRIC CORPORATION

SOURCE AREA

MW-01 CLOSED

MW-08 406.10
MW-05 434.85
MW-07 406.47
MW-06 406.20
MW-12 405.28
MW-03 405.99
MW-02 405.95
MW-04 405.89
405.03 MW-10A
405.03 MW-10B
405.05 MW-10C
MW-13 405.19
MW-09 404.76
404.51 MW-11A
404.64 MW-11B
MW-16 403.62
MW-19 401.98
MW-18A 402.16
MW-18B 402.18
MW-17A 402.57
MW-17B 402.57
403.94 MW-15A
403.54 MW-15B
MW-14A 403.85
MW-14B 403.85
MW-20A 402.38
MW-20B 402.36
MW-21A 402.73
MW-21B 402.75
MW-22 402.32
MW-23A 402.44
MW-23B 402.34
MW-28 399.94
MW-24 400.99
MW-29 389.94
MW-26 397.32
CSW-WA1
MW-25 393.00
CSW-WA2
CSW-WA7
CSW-WA4
MW-27 390.48
CSW-WA3

CSW TREATMENT FACILITY

TREATMENT BUILDINGS

402 404 406 400 398 396 394 392 390

CAMP STREET
ILLINOIS CENTRAL GULF RAILROAD
YOUNG STREET
FULGHAM AVENUE
GLEN STREET
LAMAR STREET
LEE CIRCLE
LEE AVENUE
PORTER ST
DEANNE STREET
HUNTER STREET
GIBSON STREET
PRICE STREET
PEARL STREET
WEST RAILROAD AVENUE NORTH
JACKSON STREET
EAST GEORGETOWN STREET
WEST GEORGETOWN STREET
RAYMOND STREET
WEST MARION AVENUE
EAST MARION AVENUE
ALLEY
FIRST STREET
INDEPENDENCE STREET
WEST CAYUGA STREET
EAST CAYUGA STREET
JANET STREET
LIBERTY STREET
COPLEY STREET
ROOSEVELT STREET
CHURCHILL STREET
HORNE STREET
BREAM STREET
TERRASSER STREET
FORD STREET
EAST RAILROAD AVENUE
KIRK STREET
BERNSTEIN DRIVE
SOUTH AVENUE
SOUTH JACKSON STREET
WEST RAILROAD AVENUE SOUTH
WASHINGTON STREET
SIBBIE STREET
OSBORNE

LEGEND

- MONITOR WELL LOCATION
- ① MONITOR WELL LOCATION
- ② MONITOR WELL NUMBER
- ③ GROUNDWATER ELEVATION
- SOURCE AREA
- KEC PROPERTY LINE
- KEC BUILDING FOOTPRINT
- GROUNDWATER ELEVATION CONTOURS
- MUNICIPAL WATER WELL

① MW-00A ② ③ 393.00

NOTE: SURVEY DATA SUPPLIED BY ARCADIS

0 400' 800'

GRAPHIC SCALE

GROUNDWATER ELEVATION MAP
OCTOBER 2011

KUHLMAN ELECTRIC
KEC FACILITY
CRYSTAL SPRINGS, MS

DATE: 11/16/2011	APPROVED: BY: DATE:	DRAWN BY: C.T.J.
SCALE: AS SHOWN		CAD NO. KUH0-11-002

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

FIGURE 2

KUHLMAN ELECTRIC CORPORATION

SOURCE AREA

MW-01 CLOSED

CSW TREATMENT FACILITY

TREATMENT BUILDINGS

MW-08 5.62
MW-05 ND
MW-07 ND
MW-06 10.7
MW-12 0.6
MW-03 26.0
MW-02 45.6
MW-04 16.4
MW-10A 65.0
MW-10B 10.4
MW-10C ND
MW-13 ND
MW-09 5.38
MW-11A 24.5
MW-11B 2.40
MW-16 ND
MW-19 6.34
MW-18A 11.4
MW-18B 23.0
MW-17A 31.0
MW-17B 11.5
MW-15A 60.5
MW-15B 22.7
MW-14A ND
MW-14B 0.5
MW-20A 12.5
MW-20B 0.86
MW-21A 0.56
MW-21B 11.7
MW-23A ND
MW-23B 38.6
MW-22 ND
MW-28 ND
MW-29 ND
MW-26 3.6
CSW-WA1
MW-24 9.44
MW-25 2.24
CSW-WA2
CSW-WA7
CSW-WA4
MW-27 ND
CSW-WA3

7.0
10.0
20.0

CAMP STREET
ILLINOIS CENTRAL GULF RAILROAD
YOUNG STREET
FULGHAM AVENUE
GLEN STREET
LAMAR STREET
LEE CIRCLE
LEE AVENUE
PORTER STREET
DEANNE STREET
HUNTER STREET
PEARL STREET
JACKSON STREET
RICE STREET
DAVIDSON STREET
WEST RAILROAD AVENUE NORTH
EAST GEORGETOWN STREET
WEST GEORGETOWN STREET
RAYMOND STREET
WEST MARION AVENUE
EAST MARION AVENUE
ALLEY
FIRST STREET
INDEPENDENCE STREET
WEST CAYUGA STREET
EAST CAYUGA STREET
JANET STREET
LIBERTY STREET
COPLEY STREET
ROOSEVELT STREET
CHURCHILL STREET
HORNE STREET
BRENT STREET
BYRD STREET
W CAYUGA STREET
STEWART
BERNSTEIN DRIVE
KIRK STREET
EAST RAILROAD AVENUE
SOUTH AVENUE
SOUTH JACKSON STREET
WEST RAILROAD AVENUE SOUTH
WASHINGTON STREET
SIBBIE STREET
OSBORNE

LEGEND

- MONITOR WELL LOCATION
- ① MONITOR WELL LOCATION
- ② MONITOR WELL NUMBER
- ③ 1,1-DICHLOROETHENE CONCENTRATION (µg/L)
- SOURCE AREA
- KEC PROPERTY LINE
- KEC BUILDING FOOTPRINT
- 1,1-DICHLOROETHENEISOPLETH (TRG = 7 µg/L)
- MUNICIPAL WATER WELL

① MW-00A ② 3 2.24

NOTE: SURVEY DATA SUPPLIED BY ARCADIS

0 400' 800'

GRAPHIC SCALE

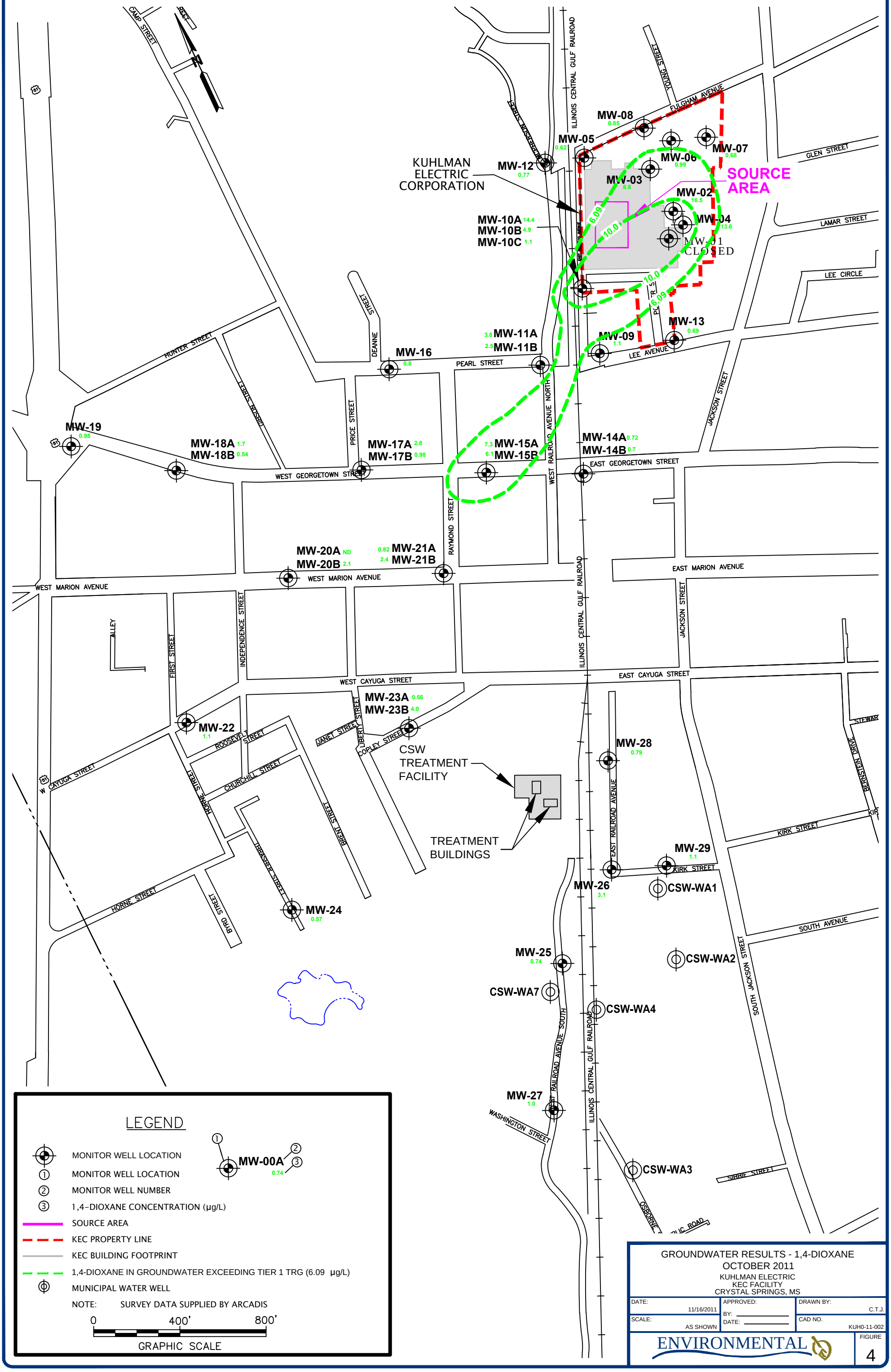
GROUNDWATER RESULTS - 1,1-DICHLOROETHENE
OCTOBER 2011

KUHLMAN ELECTRIC
KEC FACILITY
CRYSTAL SPRINGS, MS

DATE: 11/16/2011	APPROVED: BY: DATE:	DRAWN BY: C.T.J.
SCALE: AS SHOWN		CAD NO. KUH0-11-002

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

FIGURE 3



GROUNDWATER RESULTS - 1,4-DIOXANE
OCTOBER 2011
KUHLMAN ELECTRIC
KEC FACILITY
CRYSTAL SPRINGS, MS

DATE: 11/16/2011	APPROVED: BY: DATE:	DRAWN BY: C.T.J.	
SCALE: AS SHOWN		CAD NO. KUH0-11-002	

ENVIRONMENTAL

FIGURE 4

APPENDIX A

FIELD LOGS

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site KEC Well Number MW-2 (KEP-GW-002-021)

Collector/Operator A. Niven

Monitoring Well Information

Evacuation date/time	10-5-11 16:50	Sampling date/time	10-5-11 18:00 *
Method of evacuation	Bladder	Method of sampling	Low flow
Top of casing to water	59.28	Gallons per well volume	2.0359l
Top of casing to bottom	72.0	Total gallons evacuated	2.7599l
Water level after evacuation	59.31		

Sample Data

	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
		23.17	252	3.66	5.46	151.6	clear
	3.20	23.19	251	3.48	5.45	154.2	"
	2.75	23.10	251	3.16	5.45	154.1	"
	1.67	23.09	250	3.35	5.43	156.4	"

General Information

Weather Condition: Sunny few clouds

Sample Characteristics:

Containers/Amounts (8) VOA for VOCs *
QA/QC duplicate
Duplicate * (KEP-DUP-003 10-5-11 12:00)

Recommend/Observations

Sampler/Collector Alan Niven

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]				
1/2"=0.0205	1"=0.041	(2"=0.16)	3"=0.37	4"=0.65
3/4"=0.3075	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site Kuhlman Well Number MW-3

Collector/Operator W. White

Sample ID # KEP-GW-003-021

Monitoring Well Information

Evacuation date/time	10-5-11 1540	Sampling date/time	10-5-11 1647
Method of evacuation	dedicated pump	Method of sampling	dedicated pump
Top of casing to water	52.33	Gallons per well volume	3.4
Top of casing to bottom	74	Total gallons evacuated	4.5
Water level after evacuation	52.35'		

Sample Data

	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
	0.12	22.65	256	6.20	5.75	-6.1	clear
	0.05	22.50	256	7.04	5.74	-9.7	clear
	0.03	22.47	255	6.40	5.73	-7.9	clear

General Information

Weather Condition: clear, sunny

Sample Characteristics: clear

Containers/Amounts 3 40 mL VOA (VOC)

Recommend/Observations

Sampler/Collector

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]				
1/2"=0.0205	1"=0.041	2"=0.16	3"=0.37	4"=0.65
3/4"=0.3075	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site KEC Well Number MW-4

Collector/Operator PAUL MARTIN SAMPLE ID # KEP-GW-0004-0021

Monitoring Well Information

Evacuation date/time	10-6-11 1345	Sampling date/time	10-6-11 16:25
Method of evacuation	dedicated pump	Method of sampling	dedicated pump
Top of casing to water	59.78	Gallons per well volume	1.65
Top of casing to bottom	70	Total gallons evacuated	1.75
Water level after evacuation	59.81		

Sample Data

	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
	0.40	24.73	317	7.57	5.12	60.0	CLEAR
	0.38	24.74	317	7.23	5.10	69.0	CLEAR
	0.73	24.66	317	7.11	5.10	70.5	CLEAR
	0.44	24.65	317	7.12	5.11	73.0	CLEAR
	0.40	24.64	316	7.18	5.13	72.9	CLEAR
	0.47	24.64	317	7.21	5.13	74.3	CLEAR

General Information

Weather Condition: Sunny

Sample Characteristics: CLEAR

Containers/Amounts 3 VOA's 40mL (VOC)

Recommend/Observations

Sampler/Collector

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]				
1/2"=0.0205	1"=0.041	2"=0.16	3"=0.37	4"=0.65
3/4"=0.3075	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site LEC Well Number MW-05

Collector/Operator Ethan Allen

Monitoring Well Information

Evacuation date/time	10/6/11 1348	Sampling date/time	10/6/11 1415
Method of evacuation	BAILER	Method of sampling	BAILER
Top of casing to water	21.70	Gallons per well volume	1.8
Top of casing to bottom	33	Total gallons evacuated	5.5
Water level after evacuation	21.66		

Sample Data

Well Volume	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance

General Information

Weather Condition:

Sample Characteristics:

Containers/Amounts KEP-GW-005-018

Recommend/Observations

Sampler/Collector

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]				
1/2"=0.0205	1"=0.041	2"=0.16	3"=0.37	4"=0.65
3/4"=0.3075	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site KEC Well Number MW-6

Collector/Operator A. Niven

Monitoring Well Information

Evacuation date/time	10-4-11 16:25	Sampling date/time	10-4-11 18:00
Method of evacuation	bladder pump	Method of sampling	Low flow
Top of casing to water	51.08	Gallons per well volume	1.10 gal
Top of casing to bottom	58.00	Total gallons evacuated	1.5 gal
Water level after evacuation	51.45		

Sample Data

	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
	26.4	23.78	151	3.81	5.67	156.2	Tan
	20.6	23.89	147	5.57	5.61	160.4	"
	18.7	24.12	146	5.43	5.63	158.9	light tan
	17.0	23.94	149	5.08	5.65	158.1	clear
	14.1	23.95	147	4.64	5.64	157.6	"
	12.4	23.86	145	4.63	5.63	157.0	"

General Information

Weather Condition: Sunny clear

Sample Characteristics:

Containers/Amounts (3) VOA for VOCs

Recommend/Observations

Sampler/Collector Alan Niven

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]				
1/2"=0.0205	1"=0.041	(2"=0.16)	3"=0.37	4"=0.65
3/4"=0.3075	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site KEC Well Number MW-07

Collector/Operator A. Niven

Monitoring Well Information

Evacuation date/time	10-4-11 15:18	Sampling date/time	10-4-11 16:00
Method of evacuation	bladder pump	Method of sampling	Low flow
Top of casing to water	56.23	Gallons per well volume	1.56 gal
Top of casing to bottom	66.00	Total gallons evacuated	2.5 gal
Water level after evacuation	56.25		

Sample Data

	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
		21.89	199	6.73	5.49	150.3	Clear
	13.3	21.39	200	6.80	5.50	151.7	"
	10.20	21.44	201	6.63	5.52	152.7	"
	10.73	21.39	202	6.68	5.53	152.8	"
	9.78	21.44	202	6.49	5.52	153.6	"

General Information

Weather Condition: Sunny + Clear

Sample Characteristics:

Containers/Amounts (3) VOA for VOCs

Recommend/Observations

Sampler/Collector Alan Niven

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]				
1/2"=0.0205	1"=0.041	(2"=0.16) pvc	3"=0.37	4"=0.65
3/4"=0.3075	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site Kuhlmann Well Number MW-8

Collector/Operator W. White

Monitoring Well Information

Evacuation date/time	10-4-11 1730	Sampling date/time	10-4-11 1850
Method of evacuation	dedicated pump	Method of sampling	dedicated pump
Top of casing to water	48.36	Gallons per well volume	2.1 gal
Top of casing to bottom	62	Total gallons evacuated	2.5
Water level after evacuation	48.38		

Sample Data

	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
	4.04	21.97	110	6.89	4.87	111.4	clear
	4.61	21.93	111	6.49	4.86	118.0	clear
	4.38	21.86	112	6.32	4.85	127.7	clear

General Information

Weather Condition: Sunny, Clear

Sample Characteristics: clear

Containers/Amounts 3 40mL VOA (VOC

Recommend/Observations check valve at pump not working

Sampler/Collector

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]				
1/2"=0.0205	1"=0.041	2"=0.16	3"=0.37	4"=0.65
3/4"=0.3075	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site Kuhlman Well Number MW-9

Collector/Operator W. White

Sample ID# KEP-GW-009-019

Monitoring Well Information

Evacuation date/time	10-5-11 1740	Sampling date/time	10-5-11 ~~0540~~ ~~1740~~ 1850 (TW) (TRIP)
Method of evacuation	dedicated pump	Method of sampling	dedicated pump
Top of casing to water	65.27	Gallons per well volume	1.75
Top of casing to bottom	76	Total gallons evacuated	2.25
Water level after evacuation	65.29		

Sample Data

	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
	1.02	24.44	542	6.36	6.08	18.5	clear
	0.77	24.27	542	6.22	6.07	8.8	clear
	0.54	24.23	543	6.10	6.06	6.5	clear

General Information

Weather Condition: clear, sunny

Sample Characteristics: clear

Containers/Amounts 3 VOA 40 mL VOC

Recommend/Observations

Sampler/Collector T. Nest

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]				
1/2"=0.0205	1"=0.041	2"=0.16	3"=0.37	4"=0.65
3/4"=0.3075	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site KEC Well Number MW-10A

Collector/Operator ETHAN ALLEN

Monitoring Well Information

Evacuation date/time	10/6/11 1650	Sampling date/time	10/6/11 1730
Method of evacuation	BLADDER Pump	Method of sampling	Low Flow
Top of casing to water	65.92	Gallons per well volume	0.97
Top of casing to bottom	72	Total gallons evacuated	2.5
Water level after evacuation	65.94		

Sample Data

Well Volume	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
	2.19	23.71	394	5.98	5.80	104.6	
	2.08	23.64	393	5.91	5.79	107.8	
	1.75	23.58	393	5.77	5.80	110.4	
	1.40	23.47	393	5.92	5.83	113.5	
	1.41	23.43	393	5.84	9.08	116.8	
	1.17	23.43	393	5.77	5.98	119.2	
	1.09	23.41	393	5.78	5.90	120.5	
	1.01	23.41	393	5.75	5.87	121.6	
	0.94	23.43	393	5.91	5.85	122.7	
	0.91	23.45	393	5.70	5.85	123.4	

General Information

Weather Condition:

Sample Characteristics:

Containers/Amounts KEP-GW-010A-016
KEP-DUP-004

Recommend/Observations

Sampler/Collector

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]				
1/2"=0.0205	1"=0.041	2"=0.16	3"=0.37	4"=0.65
3/4"=0.3075	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site KEC Well Number MW-103

Collector/Operator ETHAN ALLEN

Monitoring Well Information

Evacuation date/time	10/6/2011 1750	Sampling date/time	10/6/2011 1845
Method of evacuation	BLADDER PUMP	Method of sampling	LOW FLOW
Top of casing to water	65.75	Gallons per well volume	2.4
Top of casing to bottom	81	Total gallons evacuated	3.0
Water level after evacuation	65.77		

Sample Data

Well Volume	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
1	0.79	22.93	266	6.44	5.21	142.8	CLEAR
1	0.69	22.90	266	6.45	5.20	146.2	"
1	0.75	22.88	265	6.48	5.18	146.8	"

General Information

Weather Condition:

Sample Characteristics:

Containers/Amounts KEP-GW-0108-016

Recommend/Observations

Sampler/Collector

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]				
1/2"=0.0205	1"=0.041	2"=0.16	3"=0.37	4"=0.65
3/4"=0.3075	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site KEC Well Number MW-1DC

Collector/Operator PAUL MARTIN SAMPLE ID # KEP-GW-01DC-0116

Monitoring Well Information

Evacuation date/time	10-6-11 16:50	Sampling date/time	10-6-11 18:45
Method of evacuation	DEDICATED PUMP	Method of sampling	DEDICATED PUMP
Top of casing to water	65.92	Gallons per well volume	5.3
Top of casing to bottom	99	Total gallons evacuated	6.75
Water level after evacuation	65.95		

Sample Data

	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
18:12	0.21	23.05	217	6.94	5.15	128.3	CLEAR
	0.36	23.05	216	6.77	5.15	114.5	" "
	0.16	23.60	215	6.24	5.16	74.8	" "
	0.12	23.61	215	6.21	5.16	73.3	" "
	0.26	23.61	215	6.13	5.15	72.4	" "
	0.15	23.62	215	6.06	5.15	71.1	" "
	0.15	23.63	215	6.07	5.15	70.0	" "
18:40	0.21	23.61	215	6.07	5.16	68.5	" "

General Information

Weather Condition: SUNNY + CLEAR

Sample Characteristics: ~~G~~ CLEAR

Containers/Amounts 3 40 ML VOA's (VOC)

Recommend/Observations AIR Bubbles in FLOW CELL, ORP Reading continuously dropping.

Sampler/Collector

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]				
1/2"=0.0205	1"=0.041	2"=0.16	3"=0.37	4"=0.65
3/4"=0.3075	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site KEC Well Number MW-11A CKEP-GW-011A-016

Collector/Operator A. Niver

Monitoring Well Information

Evacuation date/time	10-5-11 13:10	Sampling date/time	10-5-11 15:30
Method of evacuation	bladder pump	Method of sampling	Low flow
Top of casing to water	6.5.57	Gallons per well volume	3.11 gal
Top of casing to bottom	85	Total gallons evacuated	3.5 gal
Water level after evacuation	6.5.65		

Sample Data

	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
	14.6	26.03	320	3.14	6.17	103.5	Clear
	13.2	25.23	321	3.25	6.17	106.8	"
	12.6	25.13	319	3.05	6.18	107.9	"
	10.37	24.76	318	2.96	6.17	108.0	
	9.32	24.58	318	3.16	6.17	110	

General Information

Weather Condition: Sunny few clouds

Sample Characteristics:

Containers/Amounts (3) VOA for VOCs

Recommend/Observations

Sampler/Collector Alan Niver

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]				
1/2"=0.0205	1"=0.041	(2"=0.16)	3"=0.37	4"=0.65
3/4"=0.3075	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site KEC Well Number MW-113

Collector/Operator ETHAN ALLEN

Monitoring Well Information

Evacuation date/time	10/5/11 1310	Sampling date/time	10/5/11 1610
Method of evacuation	BLADDER Pump	Method of sampling	Low Flow
Top of casing to water	65.37	Gallons per well volume	6.34
Top of casing to bottom	105	Total gallons evacuated	6.5
Water level after evacuation	65.35		

Sample Data

Well Volume	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
	2.38	23.59	218	7.50	5.37	114.1	
	2.63	23.68	217	7.38	5.27	132.7	
	2.37	23.36	216	7.31	5.23	145.8	
	2.38	23.02	216	7.26	5.20	167.8	
	2.35	23.04	216	7.21	5.13	174.5	
	2.88	23.06	216	7.19	5.12	181.5	
	2.42	23.06	216	7.16	5.12	185.8	
	2.14	23.03	215	7.19	5.11	189.3	

General Information

Weather Condition:

Sample Characteristics:

Containers/Amounts KEP-GW-011B-816

Recommend/Observations

Sampler/Collector

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]				
1/2"=0.0205	1"=0.041	2"=0.16	3"=0.37	4"=0.65
3/4"=0.3075	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site Kuhlmann Well Number MW-12

Collector/Operator N. White Sample ID # KEP-GW-Ø12-Ø16

Monitoring Well Information

Evacuation date/time	10-6-11 7:36	Sampling date/time	10-6-11 0855
Method of evacuation	dedicated pump	Method of sampling	dedicated pump
Top of casing to water	60.07	Gallons per well volume	2.5
Top of casing to bottom	75	Total gallons evacuated	3.75
Water level after evacuation			

Sample Data

	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
	0.00	21.06	205	3.00	5.41	-22.6	Clear
	0.07	21.06	200	3.74	5.40	-67.5	Clear
	0.15	21.08	199	4.54	5.39	-81.8	clear
	0.00	21.09	198	4.12	5.39	-86.0	clear
	0.00	21.11	198	3.66	5.39	-90.3	clear

General Information

Weather Condition: clear, sunny

Sample Characteristics: clear

Containers/Amounts 3 40mL VOA (VOC)

Recommend/Observations

Sampler/Collector T. Ref

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]				
1/2"=0.0205	1"=0.041	2"=0.16	3"=0.37	4"=0.65
3/4"=0.3075	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site KEC Well Number MW-13 (KEP-GW-013-016)

Collector/Operator A. Niven

Monitoring Well Information

Evacuation date/time	10-6-11 9:45	Sampling date/time	10-6-11 12:00
Method of evacuation	bladder pump	Method of sampling	Low flow
Top of casing to water	59.93	Gallons per well volume	1.939gl
Top of casing to bottom	72	Total gallons evacuated	2.5gal
Water level after evacuation	59.94		

Sample Data

	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
	15.6	21.88	217	2.96	5.56	135.7	clear
	8.99	21.94	221	3.04	5.57	146.3	"
	6.92	21.95	220	3.61	5.56	151.6	"
	6.11	22.01	220	3.31	5.56	154.1	

General Information

Weather Condition: Sunny few clouds

Sample Characteristics:

Containers/Amounts (3) VOA for VOCs

Recommend/Observations

Sampler/Collector Adam Niven

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]

1/2"=0.0205	1"=0.041	(2"=0.16)	3"=0.37	4"=0.65
3/4"=0.3075	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site KEC Well Number MW-14A (KEP-GW-014A-016)

Collector/Operator A. Niven

Monitoring Well Information

Evacuation date/time	10-6-11 7:20	Sampling date/time	10-6-11 9:15
Method of evacuation	Bladder pump	Method of sampling	Low flow
Top of casing to water	60.18	Gallons per well volume	3.09 gal
Top of casing to bottom	79.5	Total gallons evacuated	3.85 gal
Water level after evacuation	60.25		

Sample Data

	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
		23.30	366	2.86	5.87	163.3	faintly tan
	11.1	23.29	364	2.22	5.88	158.6	clear
	11.8	23.66	364	3.08	5.85	156.1	"
	8.29	23.55	363	2.81	5.86	155.6	"
	4.08	23.27	362	3.00	5.86	155.7	"

General Information

Weather Condition: Sunny few clouds

Sample Characteristics:

Containers/Amounts: (3) VOA for VOCs

Recommend/Observations

Sampler/Collector Alan Niven

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]

1/2"=0.0205	1"=0.041	(2"=0.16)	3"=0.37	4"=0.65
3/4"=0.3075	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site KEC Well Number MW-14B

Collector/Operator ETHAN ALLEN

Monitoring Well Information

Evacuation date/time	10/6/11 0720	Sampling date/time	10/6/11 1030
Method of evacuation	BLADDER PUMP	Method of sampling	LOW FLOW
Top of casing to water	60.14	Gallons per well volume	6.7
Top of casing to bottom	102	Total gallons evacuated	6.8
Water level after evacuation	60.19		

Sample Data

Well Volume	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
	0.36	24.33	244	5.79	5.52	152.7	
	0.16	24.27	244	5.76	5.56	154.0	
	0.18	24.32	244	5.76	5.57	156.6	
	0.25	24.31	244	5.90	5.57	159.0	

General Information

Weather Condition:

Sample Characteristics:

Containers/Amounts KEP-GW-014B-016

Recommend/Observations

Sampler/Collector

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]				
1/2"=0.0205	1"=0.041	2"=0.16	3"=0.37	4"=0.65
3/4"=0.3075	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site KEC Well Number MW-15A

Collector/Operator ETHAN ALLEN

Monitoring Well Information

Evacuation date/time	10/3/2011 15:00	Sampling date/time	10/3/2011 15:40
Method of evacuation	DEDICATED BLADDER PUMP	Method of sampling	LOW FLOW
Top of casing to water	63.35	Gallons per well volume	1.9 GALLONS
Top of casing to bottom	75	Total gallons evacuated	4.5 GALLONS
Water level after evacuation	63.75		

Sample Data

	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
	63.2	22.66	294	6.53	6.12	96.7	SLIGHTLY CLOUDY
	55.8	22.32	296	6.22	6.10	109.4	SLIGHTLY CLOUDY
	36.5	22.01	298	6.18	5.95	126.1	SLIGHTLY CLOUDY
	32.5	21.97	298	6.20	5.78	130.3	SLIGHTLY CLOUDY
	28.1	22.03	299	6.20	5.74	134.5	SLIGHTLY CLOUDY

General Information

Weather Condition: SUNNY, MILD TEMPS

Sample Characteristics: SLIGHTLY CLOUDY

Containers/Amounts 3 VOA VIALS

Recommend/Observations REPLACED BLADDER PUMP, CHECK VALVE, & AIR LINE

Sampler/Collector

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]				
1/2"=0.0205	1"=0.041	2"=0.16	3"=0.37	4"=0.65
3/4"=0.3075	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site _____ Well Number MW-15B

Collector/Operator W. White

Monitoring Well Information

Evacuation date/time	10-3-11 1353	Sampling date/time	10-3-11- 1810
Method of evacuation	dedicated pump	Method of sampling	dedicated pump
Top of casing to water	63.75 South edge	Gallons per well volume	4.36
Top of casing to bottom	91. (27.25)	Total gallons evacuated	5.00
Water level after evacuation	63.83		

Sample Data

	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
	6.07	24.20	249	7.34	5.23	89.1	clear
	5.01	24.01	249	8.76	5.22	97.9	clear
	5.42	23.82	247	8.58	5.27	100.3	clear
	4.57	23.81	247	8.40	5.24	102.5	clear

General Information

Weather Condition: clear and sunny

Sample Characteristics: clear

Containers/Amounts 3 50 mL VOA (VOC)

Recommend/Observations High DO = air in flow cell due to ~~bottom~~ falling water (check valve)

Sampler/Collector _____

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]				
1/2"=0.0205	1"=0.041	2"=0.16	3"=0.37	4"=0.65
3/4"=0.3075	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

lift psi 63.75 x .5 = 31.875 + 20 = 51.875 psi

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site KEC Well Number MW-16 (KEP-GW-016-016)

Collector/Operator A. Niver

Monitoring Well Information

Evacuation date/time	10-5-11 10:45	Sampling date/time	10-5-11 11:45
Method of evacuation	bladder	Method of sampling	Low flow
Top of casing to water	56.62	Gallons per well volume	1.34 gal
Top of casing to bottom	65.	Total gallons evacuated	2.5 gal
Water level after evacuation	56.63		

Sample Data

	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
	243	22.97	429	4.12	5.25	202.5	Tan
	101.5	21.92	406	3.13	4.61	232	light tan
	57.8	21.84	398	2.82	4.39	237	"
	32.1	21.80	393	2.77	4.39	227	"
	22.6	21.89	391	2.70	4.30	233	clear
	14.9	22.11	390	3.01	4.28	236	"
	10.20	22.02	389	2.96	4.37	230	"
	8.58	21.98	389	2.81	4.34	229	"

General Information

Weather Condition: Sunny clear

Sample Characteristics:

Containers/Amounts (3) VOA for VOCs

Recommend/Observations

Sampler/Collector Alan Niver

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]				
1/2"=0.0205	1"=0.041	(2"=0.16)	3"=0.37	4"=0.65
3/4"=0.3075	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site Kuhlman Well Number MW-17-A

Collector/Operator W. White

Monitoring Well Information

Evacuation date/time 11/15 10-3-11 Sampling date/time 10-3-11 1245

Method of evacuation dedicated pump Method of sampling bladder pump

Top of casing to water 57.45 North side of casing Gallons per well volume 2.82

Top of casing to bottom 70 (-18.25') Total gallons evacuated 3.00

Water level after evacuation 57.45

Sample Data

	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
	3.02	24.71	445	9.06	5.13	138.9	clear
	10.92	24.79	444	9.02	5.14	153.6	clear
	8.04	24.73	442	8.76	5.14	152.7	clear

General Information

Weather Condition: Sunny, Clear

Sample Characteristics: clear

Containers/Amounts 6 50mL VOA (VOC) MDEQ split

Recommend/Observations

Sampler/Collector

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]				
1/2"=0.0205	1"=0.041	2"=0.16	3"=0.37	4"=0.65
3/4"=0.3075	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

lift psi 57.45 x .5 = 28.725 + 20 = 48.725 psi

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site KEC Well Number MW-17B

Collector/Operator A. Niven

Monitoring Well Information

Evacuation date/time	10-3-11 11:00	Sampling date/time	10-3-11 12:40
Method of evacuation	bladder pump	Method of sampling	Low flow
Top of casing to water	57.47	Gallons per well volume	4.88 gal
Top of casing to bottom	88	Total gallons evacuated	5.5 gal
Water level after evacuation			

Sample Data

	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
	1.93	22.39	200	5.36	5.53	148.8	clear
	1.70	22.57	197	4.84	5.50	166.7	"
	2.17	22.63	198	4.80	5.50	171.8	"
	1.69	22.64	197	4.76	5.50	172.1	"

General Information

Weather Condition: Sunny clear

Sample Characteristics:

Containers/Amounts (3) VOA for VOCs Split with MDEQ Tony Rassell

Recommend/Observations

Sampler/Collector Alan Niven

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]				
1/2"=0.0205	1"=0.041	(2"=0.16)	3"=0.37	4"=0.65
3/4"=0.0308	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site KUH Well Number MW-18-A

Collector/Operator W. White

Monitoring Well Information

Evacuation date/time	10-3-11 8:56	Sampling date/time	10-3-11 10:10
Method of evacuation	bladder pump	Method of sampling	Low flow
Top of casing to water	57.30	Gallons per well volume	2.35 gal
Top of casing to bottom	72	Total gallons evacuated	5.0 gal
Water level after evacuation	57.30		

Sample Data

	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
		20.90	225	6.70	5.60	196.1	tan
	1.84	20.86	219	6.63	5.60	194.7	clear
	1.65	20.95	217	6.55	5.61	191.3	"
	1.52	21.20	216	6.52	5.63	186.5	"

General Information

Weather Condition: Sunny clear

Sample Characteristics:

Containers/Amounts (3) VOA for VOCs

Recommend/Observations

Sampler/Collector

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]				
1/2"=0.0205	1"=0.041	2"=0.16	3"=0.37	4"=0.65
3/4"=0.0308	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site KEC Well Number MW-18B

Collector/Operator ETHAN ALLEN

Monitoring Well Information

Evacuation date/time	10/3/2011 09:00	Sampling date/time	10/3/2011 10:50
Method of evacuation	DEDICATED BLADDER PUMP	Method of sampling	LOW FLOW
Top of casing to water	57.49'	Gallons per well volume	4.4 GALLONS
Top of casing to bottom	85'	Total gallons evacuated	5.0 GALLONS
Water level after evacuation	57.45		

Sample Data

	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
	2.88	21.80	196	4.67	5.43	159.4	CLEAR
	2.42	21.54	190	4.56	5.38	167.8	CLEAR
	2.54	21.58	189	4.48	5.40	176.4	CLEAR
	2.26	21.56	184	4.52	5.44	181.8	CLEAR

General Information

Weather Condition: SUNNY, MILD TEMP

Sample Characteristics: CLEAR

Containers/Amounts 3 VOA VIALS

Recommend/Observations

Sampler/Collector ETHAN ALLEN

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]				
1/2"=0.0205	1"=0.041	2"=0.16	3"=0.37	4"=0.65
3/4"=0.3075	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site Kuhlman Well Number MW-19

Collector/Operator W. White

Monitoring Well Information

Sample ID KEP-GW-019-016

Evacuation date/time	10-5-11 0745	Sampling date/time	10-5-11 1005
Method of evacuation	dedicated pump	Method of sampling	dedicated pump
Top of casing to water	52.04	Gallons per well volume	7
Top of casing to bottom	95.5	Total gallons evacuated	7.5
Water level after evacuation	52.13		

Sample Data

	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
	0.00	21.61	235	5.42	5.42	-76.9	clear
	0.41	21.72	234	5.99	5.41	-79.9	clear
	0.18	21.79	233	6.25	5.41	-79.3	clear
	0.24	21.78	233	6.11	5.40	-73.2	clear

General Information

Weather Condition: Sunny, clear

Sample Characteristics: clear

Containers/Amounts 6 40 ML VOA (VOC) 1 1L Amber (MDEQ split)

Recommend/Observations

Sampler/Collector T. Hed

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]				
1/2"=0.0205	1"=0.041	2"=0.16	3"=0.37	4"=0.65
3/4"=0.3075	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site Kuhlman Well Number MW-20A

Collector/Operator W. White

Sample ID # KEP-GW-0204-0916

Monitoring Well Information

Evacuation date/time 10-6-11 912 Sampling date/time 10-6-11 0955

Method of evacuation dedicated pump Method of sampling dedicated pump

Top of casing to water 59.74 Gallons per well volume 1.1

Top of casing to bottom 67 Total gallons evacuated 2.5

Water level after evacuation 59.75

Sample Data

	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
	~~3.80~~ ~~5.67~~	21.49	83	5.45	5.56	20.0	clear
	3.13	21.31	82	5.39	5.54	-36.6	clear
	2.33	21.34	82	5.41	5.45	-40.8	clear
	1.42	21.37	84	5.35	5.44	-39.6	clear

General Information

Weather Condition: Sunny, Clear

Sample Characteristics: clear

Containers/Amounts 3 40mL VOA (VOC)

Recommend/Observations

Sampler/Collector T. [signature]

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]				
1/2"=0.0205	1"=0.041	2"=0.16	3"=0.37	4"=0.65
3/4"=0.3075	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site Kuhlman Well Number MW-20B

Collector/Operator N. White

Sample ID # KEP-GW-0208-016

Monitoring Well Information

Evacuation date/time	10-6-11 1000	Sampling date/time	10-6-11 1220
Method of evacuation	dedicated pump	Method of sampling	dedicated pump
Top of casing to water	59.64	Gallons per well volume	7.25
Top of casing to bottom	105.	Total gallons evacuated	7.75
Water level after evacuation	59.85		

Sample Data

	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
	0.21	22.04	214	6.96	5.18	-30.1	
	0.15	22.11	213	6.80	5.17	-25.3	
	0.31	22.08	213	6.63	5.18	-22.4	

General Information

Weather Condition: ~~clear, sunny,~~ overcast

Sample Characteristics: clear

Containers/Amounts 3 40mL VOA (VOC)

Recommend/Observations

Sampler/Collector

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]				
1/2"=0.0205	1"=0.041	2"=0.16	3"=0.37	4"=0.65
3/4"=0.3075	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site KEC Well Number MW-21A

Collector/Operator ETHAN ALLEN

Monitoring Well Information

Evacuation date/time	10/5/2011 10:45	Sampling date/time	1145
Method of evacuation	DEDICATED BLADDER PUMP	Method of sampling	LOW FLOW
Top of casing to water	55.99	Gallons per well volume	1.9 GALLONS
Top of casing to bottom	68.0	Total gallons evacuated	2.5 GALLONS
Water level after evacuation	55.98		

Sample Data

	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
	4.01	21.98	150	5.39	5.63	161.4	CLEAR
	3.73	21.92	147	5.24	5.68	165.6	CLEAR
	3.49	22.02	149	5.15	5.75	167.5	CLEAR
	3.07	22.17	148	5.12	5.88	170.5	CLEAR

General Information

Weather Condition: SUNNY

Sample Characteristics: CLEAR

Containers/Amounts 3 VOA's

KEP-GW-021A-016

Recommend/Observations

Sampler/Collector ETHAN ALLEN

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]				
1/2"=0.0205	1"=0.041	2"=0.16	3"=0.37	4"=0.65
3/4"=0.3075	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

Lost pen change to black ink
T. [illegible] 10-5-11

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site: Kuhlman   Well Number: MW-21B

Collector/Operator: W. White

Sample ID# KEP-GW-Ø21B-Ø16

Monitoring Well Information

Evacuation date/time: 10-5-11 1045
Method of evacuation: dedicated pump
Top of casing to water: 55.90
Top of casing to bottom: 93
Water level after evacuation: 55.95

Sampling date/time: 10-5-11 @ 1405
Method of sampling: dedicated pump
Gallons per well volume: 6
Total gallons evacuated: 7

Sample Data

	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
	0.00	22.98	224	6.86	5.16	7.8	Clear
	0.13	23.13	224	6.80	5.16	3.4	clear
	0.00	22.98	224	6.51	5.15	-8.4	clear
	0.00	23.01	224	6.39	5.16	-6.4	clear

General Information

Weather Condition: Sunny, clear

Sample Characteristics: clear

Containers/Amounts: 6 40 mL VOA (Duplicate sample)

Recommend/Observations: Duplicate ID # KEP-DUP-ØØ2 1200 sample time
Air bubbles in fill line before flow cell

Sampler/Collector: [signature]

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]				
1/2"=0.0205	1"=0.041	2"=0.16	3"=0.37	4"=0.65
3/4"=0.3075	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site KEC Well Number MW-22

Collector/Operator ETHAN ALLEN

Monitoring Well Information

Evacuation date/time	10/5/2011 0745	Sampling date/time	10/5/2011 1000
Method of evacuation	DEDICATED BLADDER PUMP	Method of sampling	LOW FLOW
Top of casing to water	45.22	Gallons per well volume	8.1 GALLONS
Top of casing to bottom	95.5	Total gallons evacuated	8.25 GALLONS
Water level after evacuation	45.24		

Sample Data

	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
	0.97	20.60	225	5.36	5.40	160.4	CLEAR
	0.55	20.63	222	5.25	5.43	164.0	CLEAR
	0.53	20.66	221	5.25	5.45	170.9	CLEAR
	0.46	20.70	221	5.19	5.45	173.2	CLEAR
	0.52	20.75	221	5.21	5.45	175.5	CLEAR

General Information

Weather Condition: SUNNY

Sample Characteristics: CLEAR

Containers/Amounts 3 VOA's

KEP-GW-022-016

Recommend/Observations

Sampler/Collector ETHAN ALLEN

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]				
1/2"=0.0205	1"=0.041	2"=0.16	3"=0.37	4"=0.65
3/4"=0.3075	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site KEC Well Number MW-23A

Collector/Operator A.Niven

Monitoring Well Information

Evacuation date/time	10-3-11 16.25	Sampling date/time	16-3-11 17:05
Method of evacuation	bladder pump	Method of sampling	Low Flow
Top of casing to water	37.68	Gallons per well volume	1.17gal
Top of casing to bottom	45	Total gallons evacuated	2.0 gal
Water level after evacuation	37.70		

Sample Data

	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
	26.5	22.85	70	6.54	5.00	200.9	tan
	16.2	21.73	69	6.80	5.00	210.5	clear
	5.21	20.69	73	6.82	4.93	217.6	"
	4.05	20.64	74	6.80	4.96	215.3	"

General Information

Weather Condition: Sunny clear

Sample Characteristics:

Containers/Amounts (3) VOA for VOCs

Recommend/Observations

Sampler/Collector Alan Niven

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]				
1/2"=0.0205	1"=0.041	2"=0.16	3"=0.37	4"=0.65
3/4"=0.3075	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site KEC Well Number MW-23B

Collector/Operator ETHAN ALLEN

Monitoring Well Information

Evacuation date/time	1625 10/3/2011	Sampling date/time	10/3/2011 18:00
Method of evacuation	DEDICATED BLADDER PUMP	Method of sampling	LOW FLOW
Top of casing to water	38.07'	Gallons per well volume	7.36 GALLONS
Top of casing to bottom	84'	Total gallons evacuated	7.5 GALLONS
Water level after evacuation	37.91'		

Sample Data

	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
	1.26	20.85	212	7.83	5.60	138.1	CLEAR
	6.46	20.41	208	6.95	5.16	168.9	CLEAR
	0.31	20.30	207	6.88	5.08	183.9	CLEAR
	0.35	20.27	207	6.84	5.07	189.7	CLEAR
	0.38	20.26	207	6.77	5.06	193.1	CLEAR
	0.34	20.27	207	6.67	5.04	196.3	CLEAR
	0.30	20.27	207	6.76	5.04	202.7	CLEAR

General Information

Weather Condition: SUNNY, MILD TEMP.

Sample Characteristics: CLEAR

Containers/Amounts 3 VOA VIALS

Recommend/Observations

Sampler/Collector ETHAN ALLEN

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]				
1/2"=0.0205	1"=0.041	2"=0.16	3"=0.37	4"=0.65
3/4"=0.3075	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site KEC Well Number MW-24

Collector/Operator ETHAN ALLEN

Monitoring Well Information

Evacuation date/time	10/4/11 12:45	Sampling date/time	10/4/11 1630
Method of evacuation	BLADDER Pump	Method of sampling	Low Flow
Top of casing to water	~~32~~ 32.15	Gallons per well volume	2.98
Top of casing to bottom	82	Total gallons evacuated	6.0
Water level after evacuation	32.41		

Sample Data

Well Volume	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
	0.411	20.61	146	5.11	5.34	166.2	
	0.35	20.28	145	4.99	5.23	183.4	
	0.23	20.14	144	4.94	5.21	188.4	
	0.24	20.17	144	4.97	5.20	192.6	
	0.22	20.16	144	4.81	5.19	196.4	

General Information

Weather Condition:

Sample Characteristics:

Containers/Amounts KEI-GW-024-016

Recommend/Observations

Sampler/Collector

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]				
1/2"=0.0205	1"=0.041	2"=0.16	3"=0.37	4"=0.65
3/4"=0.3075	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site KEC Well Number MW-25

Collector/Operator A. Niven

Monitoring Well Information

Evacuation date/time	10-4-11 9:00	Sampling date/time	10-4-11 13:45
Method of evacuation	bladder pump	Method of sampling	Low flow
Top of casing to water	57.95	Gallons per well volume	8.00 gal
Top of casing to bottom	108	Total gallons evacuated	8.00 gal
Water level after evacuation			

Sample Data

	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
	5.06	23.18	149	3.27	5.19	168.3	clear
	4.21	23.72	149	3.32	5.17	170.3	"
	4.66	24.25	148	3.30	5.19	169.8	
	4.09	25.07	148	3.16	5.20	172.2	

General Information

Weather Condition: Sunny clear

Sample Characteristics:

Containers/Amounts (1) 1L 1,4 Dioxane (6) VOA for VOC split with MDEQ

Recommend/Observations

Sampler/Collector Alan Niven

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]				
1/2"=0.0205	1"=0.041	2"=0.16	3"=0.37	4"=0.65
3/4"=0.3075	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site Kuhlman Well Number MW-26

Collector/Operator W. White

Monitoring Well Information

Evacuation date/time	10-4-11 1250	Sampling date/time	10-4-11 1700
Method of evacuation	dedicated pump	Method of sampling	dedicated pump
Top of casing to water	62.05	Gallons per well volume	6.4
Top of casing to bottom	102	Total gallons evacuated	6.75
Water level after evacuation	62.57		

Sample Data

	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
	4.58	23.92	214	6.26	5.31	163.5	clear
	4.58	23.65	211	6.13	5.29	169.0	clear
	4.72	23.77	209	5.89	5.29	174.2	clear

General Information

Weather Condition: Sunny, clear

Sample Characteristics: clear

Containers/Amounts 3 40ML VOA (VOC)

Recommend/Observations check valve not holding at bladder air in flow cell

Sampler/Collector T. [signature]

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]				
1/2"=0.0205	1"=0.041	2"=0.16	3"=0.37	4"=0.65
3/4"=0.3075	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

1 ft psi 62 x .5 = 31 + 20 = 51 psi

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site KEC Well Number MW-27 (KEP-GW-027-016)

Collector/Operator A. Niven

Monitoring Well Information

Evacuation date/time	10-6-11 12:20	Sampling date/time	10-6-11 19:00
Method of evacuation	bladder pump	Method of sampling	Low flow
Top of casing to water	43.08	Gallons per well volume	10.54 gal
Top of casing to bottom	109	Total gallons evacuated	10.75 gal
Water level after evacuation	45.81		

Sample Data

	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
		20.09	97	1.28	5.38	60.4	clear
	13.6	19.72	95	0.93	5.38	70.2	"
	14.0	19.63	94	0.77	5.45	72.5	"
	13.7	19.47	94	0.75	5.52	75.5	"
	13.4	19.44	94	0.70	5.55	75.8	"
	14.4	19.41	93	0.69	5.56	78.5	"
	13.6	19.42	93	0.63	5.57	79.1	"

General Information

Weather Condition: cloudy overcast

Sample Characteristics:

Containers/Amounts (3) VOA for VOCs

Recommend/Observations

Sampler/Collector Alan Niven

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]				
1/2"=0.0205	1"=0.041	(2"=0.16)	3"=0.37	4"=0.65
3/4"=0.3075	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site Kuhlman Well Number MW-28

Collector/Operator W. White

Monitoring Well Information

Evacuation date/time	10-4-11 800	Sampling date/time	10-4-11 1120
Method of evacuation	dedicated pump	Method of sampling	dedicated pump
Top of casing to water	62.88	Gallons per well volume	7.5
Top of casing to bottom	110	Total gallons evacuated	7.5
Water level after evacuation	63.05		

Sample Data

	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
	6.54	22.94	257	4.99	5.38	117.3	clear
	5.06	22.50	231	5.01	5.35	105.6	clear
	6.62	22.43	228	4.72	5.34	96.5	clear
	5.85	22.44	227	4.64	5.33	88.9	clear

General Information

Weather Condition: Sunny, clear

Sample Characteristics: clear

Containers/Amounts 3 ~~50~~ mL VOA (VOC)
(40 mL 10-4-11)

Recommend/Observations

Sampler/Collector T Hud

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]				
1/2"=0.0205	1"=0.041	2"=0.16	3"=0.37	4"=0.65
3/4"=0.3075	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

Lift psi 62.88 x .5 = 31.44 + 20 = 51.44 psi

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

Groundwater Sampling Field Log

Site KEC Well Number MW-29

Collector/Operator ETHAN ALLEN

Monitoring Well Information

Evacuation date/time	0820 10/4/2011	Sampling date/time	10/4/2011 1055
Method of evacuation	DEDICATED BLADDER PUMP	Method of sampling	LOW FLOW
Top of casing to water	69.88	Gallons per well volume	5.78
Top of casing to bottom	106	Total gallons evacuated	6.0
Water level after evacuation	69.97'		

Sample Data

	NTU's	Temp [°C]	Conductivity [µs/cm]	DO [mg/l]	pH	ORP	Appearance
	0.25	20.75	331	4.98	5.69	153.9	CLEAR
	0.21	20.93	320	5.13	5.74	150.0	CLEAR
	0.20	21.07	318	5.12	5.78	149.1	CLEAR

General Information

Weather Condition: SUNNY MILD TEMP

Sample Characteristics: CLEAR

Containers/Amounts 3 VOA VIALS, SPLIT W/ MDEQ 3 VOA + 1 LITER AMBER

Recommend/Observations

Sampler/Collector ETHAN ALLEN

Stabilization recommendations: Three successive readings within +/- 0.1 for pH, +/- 3% for conductivity, +/- 10 mV for ORP, and +/- 10% for turbidity and DO. *these are rough estimates*

Well Casing Volumes[gal/ft]				
1/2"=0.0205	1"=0.041	2"=0.16	3"=0.37	4"=0.65
3/4"=0.3075	1 1/2"=0.10	2 1/2"=0.24	3 1/2"=0.50	4 1/2"=1.46

APPENDIX B

ANALYTICAL REPORTS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

October 19, 2011

Ethan Allen
Environmental Management Services
7350 Hwy 98
Hattiesburg, MS 39404

RE: Project: KEC Semi-Annual Sampling
Pace Project No.: 10171847

Dear Ethan Allen:
Enclosed are the analytical results for sample(s) received by the laboratory on October 06, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Michelle Hubbling

michelle.hubbling@pacelabs.com
Project Manager

Enclosures

cc: Clyde Woodward, Environmental Management Servi

Pace Analytical Services, Inc.
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Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: KEC Semi-Annual Sampling
Pace Project No.: 10171847

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Idaho Certification #: MN00064
Illinois Certification #: 200011
Iowa Certification #: 368
Kansas Certification #: E-10167
Louisiana Certification #: 03086
Louisiana Certification #: LA080009
Maine Certification #: 2007029
Maryland Certification #: 322
Michigan DEQ Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT CERT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New Mexico Certification #: Pace
New York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
North Dakota Certification #: R-036A
Ohio VAP Certification #: CL101
Oklahoma Certification #: D9921
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Washington Certification #: C754
Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: KEC Semi-Annual Sampling
Pace Project No.: 10171847

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10171847001	**KEP-GW-018A-016**	Water	10/03/11 10:10	10/06/11 09:55
10171847002	**KEP-GW-018B-016**	Water	10/03/11 10:50	10/06/11 09:55
10171847003	**KEP-GW-015A-016**	Water	10/03/11 15:40	10/06/11 09:55
10171847004	**KEP-GW-023B-016**	Water	10/03/11 18:00	10/06/11 09:55
10171847005	**KEP-GW-023A-016**	Water	10/03/11 17:05	10/06/11 09:55
10171847006	**KEP-GW-017B-016**	Water	10/03/11 12:40	10/06/11 09:55
10171847007	**KEP-GW-015B-016**	Water	10/03/11 18:10	10/06/11 09:55
10171847008	**KEP-GW-017A-016**	Water	10/03/11 12:45	10/06/11 09:55
10171847009	**KEP-DUP-001**	Water	10/03/11 08:00	10/06/11 09:55
10171847010	**KEP-GW-029-007**	Water	10/04/11 10:55	10/06/11 09:55
10171847011	**KEP-GW-028-007**	Water	10/04/11 11:30	10/06/11 09:55
10171847012	**KEP-GW-024-016**	Water	10/04/11 16:30	10/06/11 09:55
10171847013	**KEP-GW-026-016**	Water	10/04/11 17:00	10/06/11 09:55
10171847014	**KEP-GW-008-021**	Water	10/04/11 18:50	10/06/11 09:55
10171847015	**KEP-GW-006-021**	Water	10/04/11 18:00	10/06/11 09:55
10171847016	**KEP-GW-007-021**	Water	10/04/11 16:00	10/06/11 09:55
10171847017	**KEP-GW-025-016**	Water	10/04/11 13:45	10/06/11 09:55
10171847018	**KEP-GW-019-016**	Water	10/05/11 10:05	10/06/11 09:55
10171847019	**KEP-GW-021A-016**	Water	10/05/11 11:45	10/06/11 09:55
10171847020	**KEP-GW-022-016**	Water	10/05/11 10:00	10/06/11 09:55
10171847021	**KEP-GW-016-016**	Water	10/05/11 11:45	10/06/11 09:55
10171847022	**Trip Blank-092011-1**	Water	10/05/11 10:10	10/06/11 09:55

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SAMPLE ANALYTE COUNT

Project: KEC Semi-Annual Sampling
Pace Project No.: 10171847

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10171847001	**KEP-GW-018A-016**	EPA 8260B Mod.	ECB	3	PASI-M
10171847002	**KEP-GW-018B-016**	EPA 8260B Mod.	ECB	3	PASI-M
10171847003	**KEP-GW-015A-016**	EPA 8260B Mod.	ECB	3	PASI-M
10171847004	**KEP-GW-023B-016**	EPA 8260B Mod.	ECB	3	PASI-M
10171847005	**KEP-GW-023A-016**	EPA 8260B Mod.	ECB	3	PASI-M
10171847006	**KEP-GW-017B-016**	EPA 8260B Mod.	ECB	3	PASI-M
10171847007	**KEP-GW-015B-016**	EPA 8260B Mod.	ECB	3	PASI-M
10171847008	**KEP-GW-017A-016**	EPA 8260B Mod.	ECB	3	PASI-M
10171847009	**KEP-DUP-001**	EPA 8260B Mod.	ECB	3	PASI-M
10171847010	**KEP-GW-029-007**	EPA 8260B Mod.	ECB	3	PASI-M
10171847011	**KEP-GW-028-007**	EPA 8260B Mod.	ECB	3	PASI-M
10171847012	**KEP-GW-024-016**	EPA 8260B Mod.	ECB	3	PASI-M
10171847013	**KEP-GW-026-016**	EPA 8260B Mod.	ECB	3	PASI-M
10171847014	**KEP-GW-008-021**	EPA 8260B Mod.	ECB	3	PASI-M
10171847015	**KEP-GW-006-021**	EPA 8260B Mod.	ECB	3	PASI-M
10171847016	**KEP-GW-007-021**	EPA 8260B Mod.	ECB	3	PASI-M
10171847017	**KEP-GW-025-016**	EPA 8260B Mod.	ECB	3	PASI-M
10171847018	**KEP-GW-019-016**	EPA 8260B Mod.	ECB	3	PASI-M
10171847019	**KEP-GW-021A-016**	EPA 8260B Mod.	ECB	3	PASI-M
10171847020	**KEP-GW-022-016**	EPA 8260B Mod.	ECB	3	PASI-M
10171847021	**KEP-GW-016-016**	EPA 8260B Mod.	ECB	3	PASI-M

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: KEC Semi-Annual Sampling
Pace Project No.: 10171847

Sample: KEP-GW-018A-016 **Lab ID: 10171847001** Collected: 10/03/11 10:10 Received: 10/06/11 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**1.7J**	ug/L	3.0	1		10/13/11 19:32	123-91-1	
1,2-Dichloroethane-d4 (S)	110	%	75-125	1		10/13/11 19:32	17060-07-0	
Toluene-d8 (S)	103	%	75-125	1		10/13/11 19:32	2037-26-5	

Sample: KEP-GW-018B-016 **Lab ID: 10171847002** Collected: 10/03/11 10:50 Received: 10/06/11 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**0.54J**	ug/L	3.0	1		10/13/11 19:51	123-91-1	
1,2-Dichloroethane-d4 (S)	96	%	75-125	1		10/13/11 19:51	17060-07-0	
Toluene-d8 (S)	99	%	75-125	1		10/13/11 19:51	2037-26-5	

Sample: KEP-GW-015A-016 **Lab ID: 10171847003** Collected: 10/03/11 15:40 Received: 10/06/11 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**7.3**	ug/L	3.0	1		10/13/11 20:10	123-91-1	
1,2-Dichloroethane-d4 (S)	111	%	75-125	1		10/13/11 20:10	17060-07-0	
Toluene-d8 (S)	102	%	75-125	1		10/13/11 20:10	2037-26-5	

Sample: KEP-GW-023B-016 **Lab ID: 10171847004** Collected: 10/03/11 18:00 Received: 10/06/11 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**4.0**	ug/L	3.0	1		10/13/11 20:29	123-91-1	
1,2-Dichloroethane-d4 (S)	99	%	75-125	1		10/13/11 20:29	17060-07-0	
Toluene-d8 (S)	98	%	75-125	1		10/13/11 20:29	2037-26-5	

Sample: KEP-GW-023A-016 **Lab ID: 10171847005** Collected: 10/03/11 17:05 Received: 10/06/11 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**0.56J**	ug/L	3.0	1		10/13/11 20:48	123-91-1	
1,2-Dichloroethane-d4 (S)	96	%	75-125	1		10/13/11 20:48	17060-07-0	
Toluene-d8 (S)	96	%	75-125	1		10/13/11 20:48	2037-26-5	

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ANALYTICAL RESULTS

Project: KEC Semi-Annual Sampling
Pace Project No.: 10171847

Sample: KEP-GW-017B-016 **Lab ID: 10171847006** Collected: 10/03/11 12:40 Received: 10/06/11 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**0.98J**	ug/L	3.0	1		10/13/11 21:07	123-91-1	
1,2-Dichloroethane-d4 (S)	117	%	75-125	1		10/13/11 21:07	17060-07-0	
Toluene-d8 (S)	92	%	75-125	1		10/13/11 21:07	2037-26-5	

Sample: KEP-GW-015B-016 **Lab ID: 10171847007** Collected: 10/03/11 18:10 Received: 10/06/11 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**6.1**	ug/L	3.0	1		10/13/11 21:26	123-91-1	
1,2-Dichloroethane-d4 (S)	110	%	75-125	1		10/13/11 21:26	17060-07-0	
Toluene-d8 (S)	94	%	75-125	1		10/13/11 21:26	2037-26-5	

Sample: KEP-GW-017A-016 **Lab ID: 10171847008** Collected: 10/03/11 12:45 Received: 10/06/11 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**2.8J**	ug/L	3.0	1		10/13/11 21:45	123-91-1	
1,2-Dichloroethane-d4 (S)	107	%	75-125	1		10/13/11 21:45	17060-07-0	
Toluene-d8 (S)	98	%	75-125	1		10/13/11 21:45	2037-26-5	

Sample: KEP-DUP-001 **Lab ID: 10171847009** Collected: 10/03/11 08:00 Received: 10/06/11 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**8.0**	ug/L	3.0	1		10/13/11 22:04	123-91-1	
1,2-Dichloroethane-d4 (S)	111	%	75-125	1		10/13/11 22:04	17060-07-0	
Toluene-d8 (S)	103	%	75-125	1		10/13/11 22:04	2037-26-5	

Sample: KEP-GW-029-007 **Lab ID: 10171847010** Collected: 10/04/11 10:55 Received: 10/06/11 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**1.1J**	ug/L	3.0	1		10/13/11 22:23	123-91-1	
1,2-Dichloroethane-d4 (S)	100	%	75-125	1		10/13/11 22:23	17060-07-0	
Toluene-d8 (S)	97	%	75-125	1		10/13/11 22:23	2037-26-5	

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ANALYTICAL RESULTS

Project: KEC Semi-Annual Sampling
Pace Project No.: 10171847

Sample: KEP-GW-028-007 **Lab ID: 10171847011** Collected: 10/04/11 11:30 Received: 10/06/11 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**0.79J**	ug/L	3.0	1		10/13/11 22:43	123-91-1	
1,2-Dichloroethane-d4 (S)	98	%	75-125	1		10/13/11 22:43	17060-07-0	
Toluene-d8 (S)	99	%	75-125	1		10/13/11 22:43	2037-26-5	

Sample: KEP-GW-024-016 **Lab ID: 10171847012** Collected: 10/04/11 16:30 Received: 10/06/11 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**0.57J**	ug/L	3.0	1		10/13/11 23:02	123-91-1	
1,2-Dichloroethane-d4 (S)	99	%	75-125	1		10/13/11 23:02	17060-07-0	
Toluene-d8 (S)	100	%	75-125	1		10/13/11 23:02	2037-26-5	

Sample: KEP-GW-026-016 **Lab ID: 10171847013** Collected: 10/04/11 17:00 Received: 10/06/11 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**3.1**	ug/L	3.0	1		10/13/11 23:21	123-91-1	
1,2-Dichloroethane-d4 (S)	106	%	75-125	1		10/13/11 23:21	17060-07-0	
Toluene-d8 (S)	102	%	75-125	1		10/13/11 23:21	2037-26-5	

Sample: KEP-GW-008-021 **Lab ID: 10171847014** Collected: 10/04/11 18:50 Received: 10/06/11 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**0.85J**	ug/L	3.0	1		10/13/11 23:40	123-91-1	
1,2-Dichloroethane-d4 (S)	102	%	75-125	1		10/13/11 23:40	17060-07-0	
Toluene-d8 (S)	99	%	75-125	1		10/13/11 23:40	2037-26-5	

Sample: KEP-GW-006-021 **Lab ID: 10171847015** Collected: 10/04/11 18:00 Received: 10/06/11 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**0.99J**	ug/L	3.0	1		10/13/11 23:59	123-91-1	
1,2-Dichloroethane-d4 (S)	102	%	75-125	1		10/13/11 23:59	17060-07-0	
Toluene-d8 (S)	98	%	75-125	1		10/13/11 23:59	2037-26-5	

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ANALYTICAL RESULTS

Project: KEC Semi-Annual Sampling
Pace Project No.: 10171847

Sample: KEP-GW-007-021 **Lab ID: 10171847016** Collected: 10/04/11 16:00 Received: 10/06/11 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**0.68J**	ug/L	3.0	1		10/14/11 00:18	123-91-1	
1,2-Dichloroethane-d4 (S)	96	%	75-125	1		10/14/11 00:18	17060-07-0	
Toluene-d8 (S)	100	%	75-125	1		10/14/11 00:18	2037-26-5	

Sample: KEP-GW-025-016 **Lab ID: 10171847017** Collected: 10/04/11 13:45 Received: 10/06/11 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**0.74J**	ug/L	3.0	1		10/14/11 00:37	123-91-1	
1,2-Dichloroethane-d4 (S)	106	%	75-125	1		10/14/11 00:37	17060-07-0	
Toluene-d8 (S)	103	%	75-125	1		10/14/11 00:37	2037-26-5	

Sample: KEP-GW-019-016 **Lab ID: 10171847018** Collected: 10/05/11 10:05 Received: 10/06/11 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**0.95J**	ug/L	3.0	1		10/14/11 00:56	123-91-1	
1,2-Dichloroethane-d4 (S)	113	%	75-125	1		10/14/11 00:56	17060-07-0	
Toluene-d8 (S)	103	%	75-125	1		10/14/11 00:56	2037-26-5	

Sample: KEP-GW-021A-016 **Lab ID: 10171847019** Collected: 10/05/11 11:45 Received: 10/06/11 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**0.82J**	ug/L	3.0	1		10/14/11 01:15	123-91-1	
1,2-Dichloroethane-d4 (S)	100	%	75-125	1		10/14/11 01:15	17060-07-0	
Toluene-d8 (S)	101	%	75-125	1		10/14/11 01:15	2037-26-5	

Sample: KEP-GW-022-016 **Lab ID: 10171847020** Collected: 10/05/11 10:00 Received: 10/06/11 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**1.1J**	ug/L	3.0	1		10/14/11 01:34	123-91-1	
1,2-Dichloroethane-d4 (S)	100	%	75-125	1		10/14/11 01:34	17060-07-0	
Toluene-d8 (S)	98	%	75-125	1		10/14/11 01:34	2037-26-5	

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ANALYTICAL RESULTS

Project: KEC Semi-Annual Sampling
Pace Project No.: 10171847

Sample: KEP-GW-016-016 **Lab ID: 10171847021** Collected: 10/05/11 11:45 Received: 10/06/11 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**0.80J**	ug/L	3.0	1		10/14/11 05:23	123-91-1	
1,2-Dichloroethane-d4 (S)	112	%	75-125	1		10/14/11 05:23	17060-07-0	
Toluene-d8 (S)	103	%	75-125	1		10/14/11 05:23	2037-26-5	

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QUALITY CONTROL DATA

Project: KEC Semi-Annual Sampling
Pace Project No.: 10171847

QC Batch: MSV/18284 Analysis Method: EPA 8260B Mod.
QC Batch Method: EPA 8260B Mod. Analysis Description: 8260 MSV SIM
Associated Lab Samples: 10171847001, 10171847002, 10171847003, 10171847004, 10171847005, 10171847006, 10171847007, 10171847008, 10171847009, 10171847010, 10171847011, 10171847012, 10171847013, 10171847014, 10171847015, 10171847016, 10171847017, 10171847018, 10171847019, 10171847020

METHOD BLANK: 1075384 Matrix: Water
Associated Lab Samples: 10171847001, 10171847002, 10171847003, 10171847004, 10171847005, 10171847006, 10171847007, 10171847008, 10171847009, 10171847010, 10171847011, 10171847012, 10171847013, 10171847014, 10171847015, 10171847016, 10171847017, 10171847018, 10171847019, 10171847020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (SIM)	ug/L	ND	3.0	10/13/11 19:13	
1,2-Dichloroethane-d4 (S)	%	110	75-125	10/13/11 19:13	
Toluene-d8 (S)	%	103	75-125	10/13/11 19:13	

LABORATORY CONTROL SAMPLE & LCSD: 1075385 1075386

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,4-Dioxane (SIM)	ug/L	20	18.0	19.2	90	96	75-125	6	20	
1,2-Dichloroethane-d4 (S)	%				97	99	75-125			
Toluene-d8 (S)	%				97	100	75-125			

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QUALITY CONTROL DATA

Project: KEC Semi-Annual Sampling
Pace Project No.: 10171847

QC Batch: MSV/18285
QC Batch Method: EPA 8260B Mod.
Analysis Method: EPA 8260B Mod.
Analysis Description: 8260 MSV SIM
Associated Lab Samples: 10171847021

METHOD BLANK: 1075387 Matrix: Water
Associated Lab Samples: 10171847021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (SIM)	ug/L	ND	3.0	10/14/11 03:47	
1,2-Dichloroethane-d4 (S)	%	120	75-125	10/14/11 03:47	
Toluene-d8 (S)	%	93	75-125	10/14/11 03:47	

LABORATORY CONTROL SAMPLE & LCSD: 1075388 1075389

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,4-Dioxane (SIM)	ug/L	20	19.8	20.7	99	104	75-125	5	20	
1,2-Dichloroethane-d4 (S)	%				96	107	75-125			
Toluene-d8 (S)	%				98	98	75-125			

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QUALIFIERS

Project: KEC Semi-Annual Sampling
Pace Project No.: 10171847

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

WORKORDER QUALIFIERS

WO: 10171847

[1] The samples were received outside of required temperature range. Analysis was completed upon client approval.

BATCH QUALIFIERS

Batch: MSV/18284

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: MSV/18285

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

October 21, 2011

Michelle Hubbling
PASI Minnesota
1700 Elm Street
Suite 200
Minneapolis, MN 55414

RE: Project 20129470
Project ID: 10171847/KEC SEMIANNUAL

Dear Michelle Hubbling:

Enclosed are the analytical results for sample(s) received by the laboratory on October 12, 2011. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Karen Brown
karen.brown@pacelabs.com

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20129470

Client: PASI Minnesota

Project ID: 10171847/KEC SEMIANNUAL

Washington Department of Ecology C2078

Oregon Environmental Laboratory Accreditation - LA200001

U.S. Dept. of Agriculture Foreign Soil Import P330-10-00119

Pennsylvania Dept. of Env Protection (NELAC) 68-04202

Texas Commission on Env. Quality (NELAC) T104704405-09-TX

Kansas Department of Health and Environment (NELAC) E-10266

Florida Department of Health (NELAC) E87595

Oklahoma Department of Environmental Quality - 2010-139

Illinois Environmental Protection Agency - 0025721

California Env. Lab Accreditation Program Branch - 11277CA

Louisiana Dept. of Environmental Quality (NELAC/LELAP) 02006

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St. Rose, LA 70087
(504) 469-0333

Sample Cross Reference

Project: 20129470

Client: PASI Minnesota

Project ID: 10171847/KEC SEMIANNUAL

Client Sample ID	Lab ID	Matrix	Collection Date/Time	Received Date/Time
KEP-GW-018A-016	20926609	Water	03-Oct-11 10:10	12-Oct-11 12:00
KEP-GW-018B-016	20926610	Water	03-Oct-11 10:50	12-Oct-11 12:00
KEP-GW-015A-016	20926611	Water	03-Oct-11 15:40	12-Oct-11 12:00
KEP-GW-023B-016	20926612	Water	03-Oct-11 18:00	12-Oct-11 12:00
KEP-GW-023A-016	20926613	Water	03-Oct-11 17:05	12-Oct-11 12:00
KEP-GW-017B-016	20926614	Water	03-Oct-11 12:40	12-Oct-11 12:00
KEP-GW-015B-016	20926616	Water	03-Oct-11 18:10	12-Oct-11 12:00
KEP-GW-017A-016	20926617	Water	03-Oct-11 12:45	12-Oct-11 12:00
KEP-DUP-001	20926618	Water	03-Oct-11 08:00	12-Oct-11 12:00
KEP-GW-029-007	20926619	Water	04-Oct-11 10:55	12-Oct-11 12:00
KEP-GW-028-007	20926620	Water	04-Oct-11 11:30	12-Oct-11 12:00
KEP-GW-024-016	20926621	Water	04-Oct-11 16:30	12-Oct-11 12:00
KEP-GW-026-016	20926623	Water	04-Oct-11 17:00	12-Oct-11 12:00
KEP-GW-008-021	20926626	Water	04-Oct-11 18:50	12-Oct-11 12:00
KEP-GW-006-021	20926628	Water	04-Oct-11 18:00	12-Oct-11 12:00
KEP-GW-007-021	20926631	Water	04-Oct-11 16:00	12-Oct-11 12:00
KEP-GW-025-016	20926632	Water	04-Oct-11 13:45	12-Oct-11 12:00
KEP-GW-019-016	20926633	Water	05-Oct-11 10:05	12-Oct-11 12:00
KEP-GW-021A-016	20926634	Water	05-Oct-11 11:45	12-Oct-11 12:00
KEP-GW-022-016	20926636	Water	05-Oct-11 10:00	12-Oct-11 12:00
KEP-GW-016-016	20926637	Water	05-Oct-11 11:45	12-Oct-11 12:00
TRIP BLANK 092011-1	20926639	Water	05-Oct-11 10:10	12-Oct-11 12:00

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Project: 20129470

Narrative detail for project management:

This is a resubmitted report. At the request of the client, results are reported to the MDL with "J" values.

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Project: 20129470

Sample Receipt Condition:

All samples were received in accordance with EPA protocol.

Holding Times:

All holding times were met.

Blanks:

All blank results were below reporting limits.

Laboratory Control Samples:

LCS recoveries outside of QC limits are qualified in the Report of Quality Control section.

Matrix Spikes and Duplicates:

All MS/MSD recoveries or duplicate RPDs were within QC limits.

Surrogates:

All surrogate recoveries were within QC limits.

Pace Analytical Services, Inc.
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St. Rose, LA 70087
(504) 469-0333

Project: 20129470

Analytical Method	Batch	Sample used for QC
EPA 8260	170314	Project sample KEP-GW-018A-016
EPA 8260	170316	Project sample KEP-GW-016-016

For the sample used as the original for the DUP or MS/MSD for the batch:

Project sample means a sample from this project was used.
Client sample means a sample from the same client but in a different project was used.
Batch sample means a sample from a different client was used.

Pace Analytical Services, Inc.
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St. Rose, LA 70087
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Client: PASI Minnesota

Client ID: KEP-GW-018A-016
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926609
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 03-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 11:46	MLS
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 11:46	MLS
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 11:46	MLS
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 11:46	MLS
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 11:46	MLS
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 11:46	MLS
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 11:46	MLS
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 11:46	MLS
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 11:46	MLS
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 11:46	MLS
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 11:46	MLS
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 11:46	MLS
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 11:46	MLS
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 11:46	MLS
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 11:46	MLS
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 11:46	MLS
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 11:46	MLS
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 11:46	MLS
75-35-4	1,1-Dichloroethene	1	11.4		5.00	0.443		13-Oct-11 11:46	MLS
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 11:46	MLS
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 11:46	MLS
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 11:46	MLS
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 11:46	MLS
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 11:46	MLS
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 11:46	MLS
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 11:46	MLS
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 11:46	MLS
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 11:46	MLS
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 11:46	MLS
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 11:46	MLS
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 11:46	MLS
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 11:46	MLS
79-34-5	1,1,2,2-Tetrachloroethane	1	1.07	J	5.00	0.615		13-Oct-11 11:46	MLS
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 11:46	MLS

Protocol 10/21/2011 10:52:11

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-018A-016
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926609
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 03-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 11:46	MLS
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 11:46	MLS
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 11:46	MLS
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 11:46	MLS
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 11:46	MLS
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 11:46	MLS
	m&p-Xylene	1	0.940	J	5.00	0.639		13-Oct-11 11:46	MLS
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 11:46	MLS

42 compound(s) reported

Protocol 10/21/2011 10:52:12

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
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Client: PASI Minnesota

Client ID: KEP-GW-018B-016
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926610
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 03-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 12:47	MLS
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 12:47	MLS
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 12:47	MLS
75-25-2	Bromoform	1	0.730	J	5.00	0.367		13-Oct-11 12:47	MLS
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 12:47	MLS
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 12:47	MLS
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 12:47	MLS
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 12:47	MLS
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 12:47	MLS
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 12:47	MLS
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 12:47	MLS
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 12:47	MLS
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 12:47	MLS
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 12:47	MLS
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 12:47	MLS
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 12:47	MLS
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 12:47	MLS
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 12:47	MLS
75-35-4	1,1-Dichloroethene	1	23.0		5.00	0.443		13-Oct-11 12:47	MLS
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 12:47	MLS
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 12:47	MLS
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 12:47	MLS
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 12:47	MLS
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 12:47	MLS
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 12:47	MLS
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 12:47	MLS
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 12:47	MLS
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 12:47	MLS
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 12:47	MLS
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 12:47	MLS
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 12:47	MLS
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 12:47	MLS
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 12:47	MLS
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 12:47	MLS

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MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-018B-016
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926610
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 03-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 12:47	MLS
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 12:47	MLS
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 12:47	MLS
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 12:47	MLS
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 12:47	MLS
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 12:47	MLS
	m&p-Xylene	1	0.920	J	5.00	0.639		13-Oct-11 12:47	MLS
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 12:47	MLS

42 compound(s) reported

Protocol 10/21/2011 10:52:12

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-015A-016
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926611
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 03-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 13:07	MLS
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 13:07	MLS
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 13:07	MLS
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 13:07	MLS
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 13:07	MLS
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 13:07	MLS
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 13:07	MLS
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 13:07	MLS
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 13:07	MLS
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 13:07	MLS
67-66-3	Chloroform	1	0.530	J	5.00	0.334		13-Oct-11 13:07	MLS
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 13:07	MLS
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 13:07	MLS
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 13:07	MLS
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 13:07	MLS
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 13:07	MLS
75-34-3	1,1-Dichloroethane	1	1.86	J	5.00	0.336		13-Oct-11 13:07	MLS
107-06-2	1,2-Dichloroethane	1	1.36	J	5.00	0.525		13-Oct-11 13:07	MLS
75-35-4	1,1-Dichloroethene	1	60.5		5.00	0.443		13-Oct-11 13:07	MLS
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 13:07	MLS
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 13:07	MLS
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 13:07	MLS
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 13:07	MLS
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 13:07	MLS
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 13:07	MLS
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 13:07	MLS
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 13:07	MLS
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 13:07	MLS
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 13:07	MLS
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 13:07	MLS
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 13:07	MLS
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 13:07	MLS
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 13:07	MLS
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 13:07	MLS

Protocol 10/21/2011 10:52:12

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-015A-016
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926611
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 03-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 13:07	MLS
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 13:07	MLS
79-00-5	1,1,2-Trichloroethane	1	4.29	J	5.00	0.312		13-Oct-11 13:07	MLS
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 13:07	MLS
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 13:07	MLS
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 13:07	MLS
	m&p-Xylene	1	ND		5.00	0.639		13-Oct-11 13:07	MLS
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 13:07	MLS

42 compound(s) reported

Protocol 10/21/2011 10:52:12

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-023B-016
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926612
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 03-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 13:27	MLS
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 13:27	MLS
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 13:27	MLS
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 13:27	MLS
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 13:27	MLS
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 13:27	MLS
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 13:27	MLS
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 13:27	MLS
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 13:27	MLS
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 13:27	MLS
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 13:27	MLS
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 13:27	MLS
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 13:27	MLS
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 13:27	MLS
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 13:27	MLS
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 13:27	MLS
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 13:27	MLS
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 13:27	MLS
75-35-4	1,1-Dichloroethene	1	38.6		5.00	0.443		13-Oct-11 13:27	MLS
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 13:27	MLS
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 13:27	MLS
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 13:27	MLS
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 13:27	MLS
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 13:27	MLS
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 13:27	MLS
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 13:27	MLS
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 13:27	MLS
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 13:27	MLS
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 13:27	MLS
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 13:27	MLS
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 13:27	MLS
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 13:27	MLS
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 13:27	MLS
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 13:27	MLS

Protocol 10/21/2011 10:52:12

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-023B-016
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926612
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 03-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 13:27	MLS
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 13:27	MLS
79-00-5	1,1,2-Trichloroethane	1	1.15	J	5.00	0.312		13-Oct-11 13:27	MLS
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 13:27	MLS
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 13:27	MLS
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 13:27	MLS
	m&p-Xylene	1	ND		5.00	0.639		13-Oct-11 13:27	MLS
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 13:27	MLS

42 compound(s) reported

Protocol 10/21/2011 10:52:12

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-023A-016
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926613
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 03-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 13:48	MLS
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 13:48	MLS
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 13:48	MLS
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 13:48	MLS
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 13:48	MLS
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 13:48	MLS
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 13:48	MLS
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 13:48	MLS
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 13:48	MLS
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 13:48	MLS
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 13:48	MLS
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 13:48	MLS
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 13:48	MLS
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 13:48	MLS
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 13:48	MLS
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 13:48	MLS
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 13:48	MLS
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 13:48	MLS
75-35-4	1,1-Dichloroethene	1	ND		5.00	0.443		13-Oct-11 13:48	MLS
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 13:48	MLS
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 13:48	MLS
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 13:48	MLS
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 13:48	MLS
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 13:48	MLS
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 13:48	MLS
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 13:48	MLS
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 13:48	MLS
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 13:48	MLS
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 13:48	MLS
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 13:48	MLS
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 13:48	MLS
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 13:48	MLS
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 13:48	MLS
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 13:48	MLS

Protocol 10/21/2011 10:52:12

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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-023A-016
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926613
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 03-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 13:48	MLS
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 13:48	MLS
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 13:48	MLS
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 13:48	MLS
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 13:48	MLS
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 13:48	MLS
	m&p-Xylene	1	ND		5.00	0.639		13-Oct-11 13:48	MLS
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 13:48	MLS

42 compound(s) reported

Protocol 10/21/2011 10:52:12

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-017B-016
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926614
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 03-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 14:08	MLS
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 14:08	MLS
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 14:08	MLS
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 14:08	MLS
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 14:08	MLS
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 14:08	MLS
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 14:08	MLS
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 14:08	MLS
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 14:08	MLS
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 14:08	MLS
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 14:08	MLS
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 14:08	MLS
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 14:08	MLS
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 14:08	MLS
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 14:08	MLS
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 14:08	MLS
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 14:08	MLS
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 14:08	MLS
75-35-4	1,1-Dichloroethene	1	11.5		5.00	0.443		13-Oct-11 14:08	MLS
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 14:08	MLS
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 14:08	MLS
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 14:08	MLS
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 14:08	MLS
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 14:08	MLS
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 14:08	MLS
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 14:08	MLS
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 14:08	MLS
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 14:08	MLS
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 14:08	MLS
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 14:08	MLS
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 14:08	MLS
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 14:08	MLS
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 14:08	MLS
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 14:08	MLS

Protocol 10/21/2011 10:52:12

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-017B-016
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926614
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 03-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 14:08	MLS
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 14:08	MLS
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 14:08	MLS
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 14:08	MLS
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 14:08	MLS
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 14:08	MLS
	m&p-Xylene	1	ND		5.00	0.639		13-Oct-11 14:08	MLS
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 14:08	MLS

42 compound(s) reported

Protocol 10/21/2011 10:52:12

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-015B-016
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926616
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 03-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 14:28	MLS
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 14:28	MLS
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 14:28	MLS
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 14:28	MLS
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 14:28	MLS
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 14:28	MLS
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 14:28	MLS
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 14:28	MLS
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 14:28	MLS
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 14:28	MLS
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 14:28	MLS
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 14:28	MLS
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 14:28	MLS
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 14:28	MLS
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 14:28	MLS
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 14:28	MLS
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 14:28	MLS
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 14:28	MLS
75-35-4	1,1-Dichloroethene	1	22.7		5.00	0.443		13-Oct-11 14:28	MLS
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 14:28	MLS
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 14:28	MLS
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 14:28	MLS
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 14:28	MLS
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 14:28	MLS
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 14:28	MLS
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 14:28	MLS
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 14:28	MLS
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 14:28	MLS
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 14:28	MLS
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 14:28	MLS
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 14:28	MLS
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 14:28	MLS
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 14:28	MLS
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 14:28	MLS

Protocol 10/21/2011 10:52:12

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-015B-016
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926616
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 03-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 14:28	MLS
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 14:28	MLS
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 14:28	MLS
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 14:28	MLS
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 14:28	MLS
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 14:28	MLS
	m&p-Xylene	1	ND		5.00	0.639		13-Oct-11 14:28	MLS
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 14:28	MLS

42 compound(s) reported

Protocol 10/21/2011 10:52:12

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-017A-016
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926617
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 03-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 14:48	MLS
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 14:48	MLS
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 14:48	MLS
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 14:48	MLS
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 14:48	MLS
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 14:48	MLS
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 14:48	MLS
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 14:48	MLS
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 14:48	MLS
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 14:48	MLS
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 14:48	MLS
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 14:48	MLS
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 14:48	MLS
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 14:48	MLS
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 14:48	MLS
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 14:48	MLS
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 14:48	MLS
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 14:48	MLS
75-35-4	1,1-Dichloroethene	1	31.0		5.00	0.443		13-Oct-11 14:48	MLS
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 14:48	MLS
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 14:48	MLS
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 14:48	MLS
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 14:48	MLS
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 14:48	MLS
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 14:48	MLS
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 14:48	MLS
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 14:48	MLS
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 14:48	MLS
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 14:48	MLS
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 14:48	MLS
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 14:48	MLS
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 14:48	MLS
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 14:48	MLS
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 14:48	MLS

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-017A-016
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926617
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 03-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 14:48	MLS
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 14:48	MLS
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 14:48	MLS
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 14:48	MLS
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 14:48	MLS
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 14:48	MLS
	m&p-Xylene	1	ND		5.00	0.639		13-Oct-11 14:48	MLS
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 14:48	MLS

42 compound(s) reported

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-DUP-001
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926618
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 03-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 15:08	MLS
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 15:08	MLS
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 15:08	MLS
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 15:08	MLS
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 15:08	MLS
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 15:08	MLS
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 15:08	MLS
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 15:08	MLS
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 15:08	MLS
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 15:08	MLS
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 15:08	MLS
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 15:08	MLS
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 15:08	MLS
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 15:08	MLS
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 15:08	MLS
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 15:08	MLS
75-34-3	1,1-Dichloroethane	1	1.77	J	5.00	0.336		13-Oct-11 15:08	MLS
107-06-2	1,2-Dichloroethane	1	1.43	J	5.00	0.525		13-Oct-11 15:08	MLS
75-35-4	1,1-Dichloroethene	1	63.6		5.00	0.443		13-Oct-11 15:08	MLS
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 15:08	MLS
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 15:08	MLS
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 15:08	MLS
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 15:08	MLS
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 15:08	MLS
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 15:08	MLS
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 15:08	MLS
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 15:08	MLS
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 15:08	MLS
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 15:08	MLS
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 15:08	MLS
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 15:08	MLS
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 15:08	MLS
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 15:08	MLS
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 15:08	MLS

Protocol 10/21/2011 10:52:12

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit
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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-DUP-001
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926618
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 03-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 15:08	MLS
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 15:08	MLS
79-00-5	1,1,2-Trichloroethane	1	3.56	J	5.00	0.312		13-Oct-11 15:08	MLS
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 15:08	MLS
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 15:08	MLS
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 15:08	MLS
	m&p-Xylene	1	ND		5.00	0.639		13-Oct-11 15:08	MLS
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 15:08	MLS

42 compound(s) reported

Protocol 10/21/2011 10:52:12

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-029-007
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926619
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 04-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 15:28	MLS
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 15:28	MLS
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 15:28	MLS
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 15:28	MLS
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 15:28	MLS
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 15:28	MLS
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 15:28	MLS
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 15:28	MLS
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 15:28	MLS
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 15:28	MLS
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 15:28	MLS
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 15:28	MLS
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 15:28	MLS
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 15:28	MLS
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 15:28	MLS
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 15:28	MLS
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 15:28	MLS
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 15:28	MLS
75-35-4	1,1-Dichloroethene	1	ND		5.00	0.443		13-Oct-11 15:28	MLS
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 15:28	MLS
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 15:28	MLS
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 15:28	MLS
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 15:28	MLS
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 15:28	MLS
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 15:28	MLS
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 15:28	MLS
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 15:28	MLS
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 15:28	MLS
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 15:28	MLS
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 15:28	MLS
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 15:28	MLS
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 15:28	MLS
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 15:28	MLS
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 15:28	MLS

Protocol 10/21/2011 10:52:12

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MDL denotes method detection limit
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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-029-007
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926619
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 04-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 15:28	MLS
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 15:28	MLS
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 15:28	MLS
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 15:28	MLS
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 15:28	MLS
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 15:28	MLS
	m&p-Xylene	1	ND		5.00	0.639		13-Oct-11 15:28	MLS
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 15:28	MLS

42 compound(s) reported

Protocol 10/21/2011 10:52:12

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-028-007
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926620
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 04-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 15:48	MLS
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 15:48	MLS
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 15:48	MLS
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 15:48	MLS
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 15:48	MLS
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 15:48	MLS
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 15:48	MLS
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 15:48	MLS
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 15:48	MLS
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 15:48	MLS
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 15:48	MLS
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 15:48	MLS
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 15:48	MLS
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 15:48	MLS
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 15:48	MLS
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 15:48	MLS
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 15:48	MLS
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 15:48	MLS
75-35-4	1,1-Dichloroethene	1	ND		5.00	0.443		13-Oct-11 15:48	MLS
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 15:48	MLS
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 15:48	MLS
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 15:48	MLS
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 15:48	MLS
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 15:48	MLS
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 15:48	MLS
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 15:48	MLS
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 15:48	MLS
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 15:48	MLS
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 15:48	MLS
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 15:48	MLS
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 15:48	MLS
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 15:48	MLS
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 15:48	MLS
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 15:48	MLS

Protocol 10/21/2011 10:52:12

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-028-007
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926620
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 04-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 15:48	MLS
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 15:48	MLS
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 15:48	MLS
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 15:48	MLS
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 15:48	MLS
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 15:48	MLS
	m&p-Xylene	1	ND		5.00	0.639		13-Oct-11 15:48	MLS
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 15:48	MLS

42 compound(s) reported

Protocol 10/21/2011 10:52:12

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-024-016
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926621
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 04-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 16:08	MLS
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 16:08	MLS
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 16:08	MLS
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 16:08	MLS
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 16:08	MLS
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 16:08	MLS
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 16:08	MLS
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 16:08	MLS
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 16:08	MLS
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 16:08	MLS
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 16:08	MLS
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 16:08	MLS
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 16:08	MLS
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 16:08	MLS
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 16:08	MLS
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 16:08	MLS
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 16:08	MLS
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 16:08	MLS
75-35-4	1,1-Dichloroethene	1	9.44		5.00	0.443		13-Oct-11 16:08	MLS
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 16:08	MLS
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 16:08	MLS
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 16:08	MLS
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 16:08	MLS
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 16:08	MLS
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 16:08	MLS
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 16:08	MLS
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 16:08	MLS
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 16:08	MLS
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 16:08	MLS
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 16:08	MLS
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 16:08	MLS
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 16:08	MLS
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 16:08	MLS
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 16:08	MLS

Protocol 10/21/2011 10:52:12

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-024-016
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926621
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 04-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 16:08	MLS
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 16:08	MLS
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 16:08	MLS
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 16:08	MLS
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 16:08	MLS
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 16:08	MLS
	m&p-Xylene	1	ND		5.00	0.639		13-Oct-11 16:08	MLS
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 16:08	MLS

42 compound(s) reported

Protocol 10/21/2011 10:52:12

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-026-016
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926623
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 04-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 16:28	MLS
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 16:28	MLS
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 16:28	MLS
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 16:28	MLS
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 16:28	MLS
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 16:28	MLS
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 16:28	MLS
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 16:28	MLS
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 16:28	MLS
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 16:28	MLS
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 16:28	MLS
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 16:28	MLS
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 16:28	MLS
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 16:28	MLS
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 16:28	MLS
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 16:28	MLS
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 16:28	MLS
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 16:28	MLS
75-35-4	1,1-Dichloroethene	1	3.60	J	5.00	0.443		13-Oct-11 16:28	MLS
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 16:28	MLS
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 16:28	MLS
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 16:28	MLS
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 16:28	MLS
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 16:28	MLS
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 16:28	MLS
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 16:28	MLS
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 16:28	MLS
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 16:28	MLS
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 16:28	MLS
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 16:28	MLS
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 16:28	MLS
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 16:28	MLS
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 16:28	MLS
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 16:28	MLS

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-026-016
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926623
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 04-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 16:28	MLS
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 16:28	MLS
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 16:28	MLS
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 16:28	MLS
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 16:28	MLS
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 16:28	MLS
	m&p-Xylene	1	ND		5.00	0.639		13-Oct-11 16:28	MLS
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 16:28	MLS

42 compound(s) reported

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-008-021
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926626
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 04-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 16:48	MLS
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 16:48	MLS
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 16:48	MLS
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 16:48	MLS
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 16:48	MLS
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 16:48	MLS
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 16:48	MLS
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 16:48	MLS
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 16:48	MLS
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 16:48	MLS
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 16:48	MLS
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 16:48	MLS
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 16:48	MLS
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 16:48	MLS
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 16:48	MLS
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 16:48	MLS
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 16:48	MLS
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 16:48	MLS
75-35-4	1,1-Dichloroethene	1	5.62		5.00	0.443		13-Oct-11 16:48	MLS
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 16:48	MLS
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 16:48	MLS
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 16:48	MLS
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 16:48	MLS
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 16:48	MLS
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 16:48	MLS
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 16:48	MLS
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 16:48	MLS
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 16:48	MLS
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 16:48	MLS
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 16:48	MLS
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 16:48	MLS
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 16:48	MLS
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 16:48	MLS
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 16:48	MLS

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-008-021
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926626
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 04-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 16:48	MLS
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 16:48	MLS
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 16:48	MLS
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 16:48	MLS
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 16:48	MLS
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 16:48	MLS
	m&p-Xylene	1	ND		5.00	0.639		13-Oct-11 16:48	MLS
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 16:48	MLS

42 compound(s) reported

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-006-021
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926628
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 04-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 17:08	MLS
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 17:08	MLS
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 17:08	MLS
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 17:08	MLS
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 17:08	MLS
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 17:08	MLS
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 17:08	MLS
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 17:08	MLS
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 17:08	MLS
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 17:08	MLS
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 17:08	MLS
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 17:08	MLS
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 17:08	MLS
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 17:08	MLS
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 17:08	MLS
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 17:08	MLS
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 17:08	MLS
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 17:08	MLS
75-35-4	1,1-Dichloroethene	1	10.7		5.00	0.443		13-Oct-11 17:08	MLS
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 17:08	MLS
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 17:08	MLS
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 17:08	MLS
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 17:08	MLS
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 17:08	MLS
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 17:08	MLS
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 17:08	MLS
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 17:08	MLS
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 17:08	MLS
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 17:08	MLS
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 17:08	MLS
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 17:08	MLS
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 17:08	MLS
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 17:08	MLS
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 17:08	MLS

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-006-021
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926628
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 04-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 17:08	MLS
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 17:08	MLS
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 17:08	MLS
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 17:08	MLS
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 17:08	MLS
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 17:08	MLS
	m&p-Xylene	1	ND		5.00	0.639		13-Oct-11 17:08	MLS
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 17:08	MLS

42 compound(s) reported

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-007-021
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926631
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 04-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 17:28	MLS
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 17:28	MLS
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 17:28	MLS
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 17:28	MLS
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 17:28	MLS
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 17:28	MLS
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 17:28	MLS
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 17:28	MLS
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 17:28	MLS
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 17:28	MLS
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 17:28	MLS
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 17:28	MLS
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 17:28	MLS
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 17:28	MLS
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 17:28	MLS
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 17:28	MLS
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 17:28	MLS
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 17:28	MLS
75-35-4	1,1-Dichloroethene	1	ND		5.00	0.443		13-Oct-11 17:28	MLS
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 17:28	MLS
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 17:28	MLS
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 17:28	MLS
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 17:28	MLS
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 17:28	MLS
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 17:28	MLS
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 17:28	MLS
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 17:28	MLS
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 17:28	MLS
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 17:28	MLS
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 17:28	MLS
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 17:28	MLS
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 17:28	MLS
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 17:28	MLS
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 17:28	MLS

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ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit
Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-007-021
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926631
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 04-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 17:28	MLS
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 17:28	MLS
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 17:28	MLS
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 17:28	MLS
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 17:28	MLS
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 17:28	MLS
	m&p-Xylene	1	ND		5.00	0.639		13-Oct-11 17:28	MLS
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 17:28	MLS

42 compound(s) reported

Protocol 10/21/2011 10:52:13

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-025-016
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926632
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 04-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 17:48	MLS
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 17:48	MLS
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 17:48	MLS
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 17:48	MLS
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 17:48	MLS
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 17:48	MLS
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 17:48	MLS
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 17:48	MLS
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 17:48	MLS
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 17:48	MLS
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 17:48	MLS
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 17:48	MLS
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 17:48	MLS
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 17:48	MLS
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 17:48	MLS
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 17:48	MLS
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 17:48	MLS
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 17:48	MLS
75-35-4	1,1-Dichloroethene	1	2.24	J	5.00	0.443		13-Oct-11 17:48	MLS
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 17:48	MLS
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 17:48	MLS
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 17:48	MLS
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 17:48	MLS
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 17:48	MLS
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 17:48	MLS
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 17:48	MLS
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 17:48	MLS
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 17:48	MLS
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 17:48	MLS
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 17:48	MLS
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 17:48	MLS
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 17:48	MLS
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 17:48	MLS
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 17:48	MLS

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-025-016
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926632
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 04-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 17:48	MLS
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 17:48	MLS
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 17:48	MLS
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 17:48	MLS
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 17:48	MLS
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 17:48	MLS
	m&p-Xylene	1	ND		5.00	0.639		13-Oct-11 17:48	MLS
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 17:48	MLS

42 compound(s) reported

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-019-016
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926633
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 05-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 18:09	MLS
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 18:09	MLS
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 18:09	MLS
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 18:09	MLS
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 18:09	MLS
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 18:09	MLS
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 18:09	MLS
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 18:09	MLS
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 18:09	MLS
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 18:09	MLS
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 18:09	MLS
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 18:09	MLS
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 18:09	MLS
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 18:09	MLS
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 18:09	MLS
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 18:09	MLS
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 18:09	MLS
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 18:09	MLS
75-35-4	1,1-Dichloroethene	1	6.34		5.00	0.443		13-Oct-11 18:09	MLS
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 18:09	MLS
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 18:09	MLS
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 18:09	MLS
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 18:09	MLS
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 18:09	MLS
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 18:09	MLS
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 18:09	MLS
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 18:09	MLS
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 18:09	MLS
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 18:09	MLS
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 18:09	MLS
1634-04-4	Methyl-tert-butyl ether	1	5.42		5.00	0.303		13-Oct-11 18:09	MLS
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 18:09	MLS
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 18:09	MLS
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 18:09	MLS

Protocol 10/21/2011 10:52:13

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-019-016
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926633
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 05-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 18:09	MLS
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 18:09	MLS
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 18:09	MLS
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 18:09	MLS
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 18:09	MLS
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 18:09	MLS
	m&p-Xylene	1	ND		5.00	0.639		13-Oct-11 18:09	MLS
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 18:09	MLS

42 compound(s) reported

Protocol 10/21/2011 10:52:13

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-021A-016
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926634
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 05-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 18:29	MLS
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 18:29	MLS
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 18:29	MLS
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 18:29	MLS
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 18:29	MLS
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 18:29	MLS
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 18:29	MLS
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 18:29	MLS
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 18:29	MLS
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 18:29	MLS
67-66-3	Chloroform	1	2.88	J	5.00	0.334		13-Oct-11 18:29	MLS
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 18:29	MLS
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 18:29	MLS
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 18:29	MLS
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 18:29	MLS
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 18:29	MLS
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 18:29	MLS
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 18:29	MLS
75-35-4	1,1-Dichloroethene	1	0.560	J	5.00	0.443		13-Oct-11 18:29	MLS
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 18:29	MLS
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 18:29	MLS
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 18:29	MLS
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 18:29	MLS
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 18:29	MLS
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 18:29	MLS
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 18:29	MLS
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 18:29	MLS
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 18:29	MLS
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 18:29	MLS
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 18:29	MLS
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 18:29	MLS
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 18:29	MLS
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 18:29	MLS
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 18:29	MLS

Protocol 10/21/2011 10:52:13

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit
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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-021A-016
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926634
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 05-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 18:29	MLS
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 18:29	MLS
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 18:29	MLS
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 18:29	MLS
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 18:29	MLS
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 18:29	MLS
	m&p-Xylene	1	ND		5.00	0.639		13-Oct-11 18:29	MLS
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 18:29	MLS

42 compound(s) reported

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-022-016
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926636
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 05-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 18:49	MLS
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 18:49	MLS
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 18:49	MLS
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 18:49	MLS
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 18:49	MLS
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 18:49	MLS
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 18:49	MLS
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 18:49	MLS
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 18:49	MLS
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 18:49	MLS
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 18:49	MLS
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 18:49	MLS
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 18:49	MLS
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 18:49	MLS
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 18:49	MLS
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 18:49	MLS
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 18:49	MLS
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 18:49	MLS
75-35-4	1,1-Dichloroethene	1	ND		5.00	0.443		13-Oct-11 18:49	MLS
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 18:49	MLS
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 18:49	MLS
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 18:49	MLS
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 18:49	MLS
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 18:49	MLS
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 18:49	MLS
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 18:49	MLS
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 18:49	MLS
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 18:49	MLS
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 18:49	MLS
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 18:49	MLS
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 18:49	MLS
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 18:49	MLS
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 18:49	MLS
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 18:49	MLS

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-022-016
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926636
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170314
Method: EPA 8260
GCMS VOAs Water
Collected: 05-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 18:49	MLS
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 18:49	MLS
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 18:49	MLS
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 18:49	MLS
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 18:49	MLS
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 18:49	MLS
	m&p-Xylene	1	ND		5.00	0.639		13-Oct-11 18:49	MLS
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 18:49	MLS

42 compound(s) reported

Protocol 10/21/2011 10:52:13

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-016-016
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926637
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 05-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
67-64-1	Acetone	1	2.19	J	10.0	1.95		13-Oct-11 11:58	RMP
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 11:58	RMP
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 11:58	RMP
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 11:58	RMP
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 11:58	RMP
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 11:58	RMP
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 11:58	RMP
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 11:58	RMP
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 11:58	RMP
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 11:58	RMP
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 11:58	RMP
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 11:58	RMP
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 11:58	RMP
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 11:58	RMP
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 11:58	RMP
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 11:58	RMP
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 11:58	RMP
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 11:58	RMP
75-35-4	1,1-Dichloroethene	1	ND		5.00	0.443		13-Oct-11 11:58	RMP
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 11:58	RMP
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 11:58	RMP
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 11:58	RMP
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 11:58	RMP
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 11:58	RMP
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 11:58	RMP
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 11:58	RMP
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 11:58	RMP
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 11:58	RMP
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 11:58	RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 11:58	RMP
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 11:58	RMP
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 11:58	RMP
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 11:58	RMP
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 11:58	RMP

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-016-016
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926637
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 05-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 11:58	RMP
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 11:58	RMP
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 11:58	RMP
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 11:58	RMP
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 11:58	RMP
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 11:58	RMP
	m&p-Xylene	1	1.02	J	5.00	0.639		13-Oct-11 11:58	RMP
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 11:58	RMP

42 compound(s) reported

Protocol 10/21/2011 10:52:13

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: TRIP BLANK 092011-1
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926639
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 05-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
67-64-1	Acetone	1	3.44	J	10.0	1.95		13-Oct-11 13:00	RMP
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 13:00	RMP
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 13:00	RMP
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 13:00	RMP
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 13:00	RMP
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 13:00	RMP
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 13:00	RMP
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 13:00	RMP
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 13:00	RMP
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 13:00	RMP
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 13:00	RMP
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 13:00	RMP
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 13:00	RMP
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 13:00	RMP
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 13:00	RMP
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 13:00	RMP
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 13:00	RMP
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 13:00	RMP
75-35-4	1,1-Dichloroethene	1	ND		5.00	0.443		13-Oct-11 13:00	RMP
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 13:00	RMP
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 13:00	RMP
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 13:00	RMP
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 13:00	RMP
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 13:00	RMP
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 13:00	RMP
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 13:00	RMP
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 13:00	RMP
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 13:00	RMP
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 13:00	RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 13:00	RMP
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 13:00	RMP
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 13:00	RMP
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 13:00	RMP
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 13:00	RMP

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: TRIP BLANK 092011-1
Project: 20129470
Project ID: 10171847/KEC SEMIANNUAL
Site: None
Lab ID: 20926639
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 05-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 13:00	RMP
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 13:00	RMP
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 13:00	RMP
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 13:00	RMP
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 13:00	RMP
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 13:00	RMP
	m&p-Xylene	1	1.49	J	5.00	0.639		13-Oct-11 13:00	RMP
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 13:00	RMP

42 compound(s) reported

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Pace Analytical™

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Surrogate Recovery

Batch: 170314 **Project:** 20129470

Method: Water GC/MS Volatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20926772	170314 BLANK 1		99	116	98					
20926773	170314 LCS 1		96	108	100					
20926618	KEP-DUP-001		95	106	95					
20926628	KEP-GW-006-021		108	107	96					
20926631	KEP-GW-007-021		107	109	95					
20926626	KEP-GW-008-021		104	109	96					
20926611	KEP-GW-015A-016		107	108	97					
20926616	KEP-GW-015B-016		107	107	94					
20926617	KEP-GW-017A-016		103	114	94					
20926614	KEP-GW-017B-016		103	109	94					
20926609	KEP-GW-018A-016		100	111	95					
20926774	KEP-GW-018A-016 MS 1		93	102	96					
20926775	KEP-GW-018A-016 MSD 1		98	105	101					
20926610	KEP-GW-018B-016		101	107	98					
20926633	KEP-GW-019-016		99	105	94					
20926634	KEP-GW-021A-016		95	111	95					
20926636	KEP-GW-022-016		98	111	92					
20926613	KEP-GW-023A-016		107	111	96					
20926612	KEP-GW-023B-016		103	113	95					
20926621	KEP-GW-024-016		104	106	96					
20926632	KEP-GW-025-016		96	108	98					
20926623	KEP-GW-026-016		98	110	100					
20926620	KEP-GW-028-007		106	108	97					
20926619	KEP-GW-029-007		98	108	98					
	QC limits:		68-124	72-126	79-119					

Sur 1: 4-Bromofluorobenzene (S)
Sur 2: Dibromofluoromethane (S)
Sur 3: Toluene-d8 (S)

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 170316 **Project:** 20129470

Method: Water GC/MS Volatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20926778	170316 BLANK 1		102	110	100					
20926779	170316 LCS 1		97	98	99					
20926637	KEP-GW-016-016		101	100	98					
20926780	KEP-GW-016-016 MS 1		99	99	100					
20926781	KEP-GW-016-016 MSD 1		97	93	96					
20926639	TRIP BLANK 092011-1		98	100	95					
	QC limits:		68-124	72-126	79-119					

Sur 1: 4-Bromofluorobenzene (S)
Sur 2: Dibromofluoromethane (S)
Sur 3: Toluene-d8 (S)

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 170314 **Project:** 20129470 **LCS:** 20926773 13-Oct-11 11:26

Method: Water GC/MS Volatile Organics **MS:** 20926774 13-Oct-11 12:06

Units: ug/L **MSD:** 20926775 13-Oct-11 12:27

Original for MS: Client Sample 20926609

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Acetone	50.0	83.3	167	50.0		54.7	55.9	109	112	2	10-195	10-204	20	
Benzene	50.0	51.8	104	50.0		51.9	52.8	104	106	2	66-132	58-140	20	
Bromodichloromethane	50.0	57.8	116	50.0		55.5	57.6	111	115	4	67-132	63-137	20	
Bromoform	50.0	69.8	140	50.0		65.0	67.4	130	135	4	53-152	49-156	20	
Bromomethane	50.0	49.6	99	50.0		55.1	55.3	110	111	0	47-150	43-152	20	
2-Butanone (MEK)	50.0	86.0	172 *	50.0		61.1	65.0	122	130	6	16-167	11-180	20	Q10
Carbon disulfide	50.0	48.1	96	50.0		50.5	50.0	101	100	1	18-173	10-184	20	
Carbon tetrachloride	50.0	48.5	97	50.0		49.9	50.3	100	101	1	55-143	50-148	20	
Chlorobenzene	50.0	52.1	104	50.0		53.4	55.4	107	111	4	71-131	69-136	20	
Chloroethane	50.0	48.0	96	50.0		56.7	57.7	113	115	2	31-192	20-193	20	
Chloroform	50.0	54.3	109	50.0		52.8	54.2	106	108	3	69-134	65-140	20	
Chloromethane	50.0	44.5	89	50.0		44.8	48.5	90	97	8	29-157	27-160	20	
1,2-Dibromo-3-chloropropane	50.0	69.2	138	50.0		54.3	56.6	109	113	4	37-151	34-159	20	
Dibromochloromethane	50.0	59.6	119	50.0		56.4	57.9	113	116	3	61-138	59-143	20	
1,2-Dibromoethane (EDB)	50.0	72.3	145	50.0		61.6	65.8	123	132	7	60-145	59-149	20	
1,1-Dichloroethane	50.0	54.7	109	50.0		52.9	54.7	106	109	3	62-137	59-143	20	
1,2-Dichloroethane	50.0	68.6	137	50.0		62.7	64.8	125	130	3	59-145	58-151	20	
1,1-Dichloroethene	50.0	47.3	95	50.0	11.4	58.7	58.5	95	94	0	46-156	32-169	20	
cis-1,2-Dichloroethene	50.0	51.3	103	50.0		50.6	51.5	101	103	2	64-131	61-138	20	
trans-1,2-Dichloroethene	50.0	45.4	91	50.0		45.9	46.1	92	92	0	55-138	51-145	20	
1,2-Dichloropropane	50.0	56.5	113	50.0		54.4	55.5	109	111	2	65-130	63-134	20	
cis-1,3-Dichloropropene	50.0	59.3	119	50.0		55.6	58.5	111	117	5	63-137	59-139	20	
trans-1,3-Dichloropropene	50.0	67.5	135	50.0		62.1	65.3	124	131	5	61-143	57-149	20	
Ethylbenzene	50.0	47.9	96	50.0		51.1	53.5	102	107	5	71-130	65-136	20	
2-Hexanone	50.0	81.3	163 *	50.0		66.2	72.6	132	145	9	25-156	21-165	20	Q10
Isopropylbenzene (Cumene)	50.0	46.7	93	50.0		48.8	47.9	98	96	2	58-142	55-146	20	
Methylene chloride	50.0	54.1	108	50.0		48.2	48.9	96	98	2	39-172	33-167	20	
4-Methyl-2-pentanone (MIBK	50.0	74.0	148	50.0		61.5	67.0	123	134	8	43-159	39-167	20	
Methyl-tert-butyl ether	50.0	72.5	145	50.0		62.4	64.8	125	130	4	49-157	45-168	20	
Styrene	50.0	52.4	105	50.0		53.3	56.2	107	112	5	72-134	62-141	20	
1,1,2,2-Tetrachloroethane	50.0	63.4	127	50.0	1.07	56.2	58.4	110	115	4	40-157	35-164	20	
Tetrachloroethene	50.0	47.6	95	50.0		51.3	50.9	103	102	1	55-156	44-162	20	
Toluene	50.0	53.1	106	50.0		53.3	55.5	107	111	4	68-131	60-137	20	
1,1,1-Trichloroethane	50.0	48.9	98	50.0		49.8	50.3	100	101	1	63-133	58-139	20	
1,1,2-Trichloroethane	50.0	69.2	138 *	50.0		60.7	65.1	122	130	7	64-135	61-140	20	Q10
Trichloroethene	50.0	49.2	98	50.0		51.2	51.7	102	103	1	68-134	58-145	20	
Trichlorofluoromethane	50.0	58.6	117	50.0		61.3	62.9	123	126	2	39-185	15-192	20	
Vinyl chloride	50.0	50.0	100	50.0		52.3	51.1	105	102	2	40-152	32-157	20	
m&p-Xylene	100.	94.6	95	100.	0.940	100.	108.	99	107	7	68-134	62-139	20	
o-Xylene	50.0	48.1	96	50.0		50.2	52.4	100	105	4	67-131	61-137	20	

40 compound(s) reported

QC Protocol 10/21/2011 10:52:16

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 170316 **Project:** 20129470 **LCS:** 20926779 13-Oct-11 11:37

Method: Water GC/MS Volatile Organics **MS:** 20926780 13-Oct-11 12:19

Units: ug/L **MSD:** 20926781 13-Oct-11 12:39

Original for MS: Client Sample 20926637

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Acetone	50.0	44.8	90	50.0	2.19	48.6	44.9	93	85	8	10-195	10-204	20	
Benzene	50.0	45.6	91	50.0		47.1	47.9	94	96	2	66-132	58-140	20	
Bromodichloromethane	50.0	48.9	98	50.0		51.2	51.7	102	103	1	67-132	63-137	20	
Bromoform	50.0	58.9	118	50.0		60.1	62.1	120	124	3	53-152	49-156	20	
Bromomethane	50.0	46.6	93	50.0		49.7	49.7	99	99	0	47-150	43-152	20	
2-Butanone (MEK)	50.0	48.6	97	50.0		50.6	49.6	101	99	2	16-167	11-180	20	
Carbon disulfide	50.0	42.7	86	50.0		45.0	44.8	90	90	0	18-173	10-184	20	
Carbon tetrachloride	50.0	51.5	103	50.0		53.5	53.1	107	106	1	55-143	50-148	20	
Chlorobenzene	50.0	53.3	107	50.0		54.0	54.7	108	109	1	71-131	69-136	20	
Chloroethane	50.0	48.8	98	50.0		51.5	50.4	103	101	2	31-192	20-193	20	
Chloroform	50.0	49.6	99	50.0		50.6	51.3	101	103	1	69-134	65-140	20	
Chloromethane	50.0	37.9	76	50.0		39.3	39.3	79	79	0	29-157	27-160	20	
1,2-Dibromo-3-chloropropane	50.0	48.0	96	50.0		51.1	50.9	102	102	0	37-151	34-159	20	
Dibromochloromethane	50.0	56.1	112	50.0		58.0	58.6	116	117	1	61-138	59-143	20	
1,2-Dibromoethane (EDB)	50.0	51.7	103	50.0		55.0	56.5	110	113	3	60-145	59-149	20	
1,1-Dichloroethane	50.0	44.1	88	50.0		46.5	46.5	93	93	0	62-137	59-143	20	
1,2-Dichloroethane	50.0	47.0	94	50.0		49.4	50.4	99	101	2	59-145	58-151	20	
1,1-Dichloroethene	50.0	46.5	93	50.0		48.7	49.0	97	98	1	46-156	32-169	20	
cis-1,2-Dichloroethene	50.0	47.4	95	50.0		49.6	49.6	99	99	0	64-131	61-138	20	
trans-1,2-Dichloroethene	50.0	45.6	91	50.0		47.6	47.0	95	94	1	55-138	51-145	20	
1,2-Dichloropropane	50.0	43.3	87	50.0		45.3	45.7	91	92	1	65-130	63-134	20	
cis-1,3-Dichloropropene	50.0	47.8	96	50.0		47.4	48.8	95	98	3	63-137	59-139	20	
trans-1,3-Dichloropropene	50.0	49.9	100	50.0		52.0	53.7	104	107	3	61-143	57-149	20	
Ethylbenzene	50.0	51.4	103	50.0		52.3	52.9	105	106	1	71-130	65-136	20	
2-Hexanone	50.0	42.6	85	50.0		47.1	47.4	94	95	1	25-156	21-165	20	
Isopropylbenzene (Cumene)	50.0	51.1	102	50.0		53.4	53.3	107	107	0	58-142	55-146	20	
Methylene chloride	50.0	49.0	98	50.0		48.7	48.8	97	98	0	39-172	33-167	20	
4-Methyl-2-pentanone (MIBK	50.0	49.9	100	50.0		52.3	51.7	105	103	1	43-159	39-167	20	
Methyl-tert-butyl ether	50.0	52.8	106	50.0		55.7	55.7	111	111	0	49-157	45-168	20	
Styrene	50.0	56.0	112	50.0		56.1	57.3	112	115	2	72-134	62-141	20	
1,1,2,2-Tetrachloroethane	50.0	44.4	89	50.0		48.6	48.0	97	96	1	40-157	35-164	20	
Tetrachloroethene	50.0	57.1	114	50.0		57.8	57.0	116	114	1	55-156	44-162	20	
Toluene	50.0	47.6	95	50.0		49.2	49.8	98	100	1	68-131	60-137	20	
1,1,1-Trichloroethane	50.0	49.3	99	50.0		52.2	52.0	104	104	0	63-133	58-139	20	
1,1,2-Trichloroethane	50.0	50.5	101	50.0		53.4	53.7	107	108	1	64-135	61-140	20	
Trichloroethene	50.0	51.2	102	50.0		53.3	54.1	107	108	2	68-134	58-145	20	
Trichlorofluoromethane	50.0	53.5	107	50.0		58.2	57.5	117	115	1	39-185	15-192	20	
Vinyl chloride	50.0	44.8	90	50.0		47.0	46.3	94	93	2	40-152	32-157	20	
m&p-Xylene	100.	103.	103	100.	1.02	104.	105.	103	104	1	68-134	62-139	20	
o-Xylene	50.0	51.4	103	50.0		51.5	53.2	103	106	3	67-131	61-137	20	

40 compound(s) reported

QC Protocol 10/21/2011 10:52:16

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Pace Analytical™

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank Results

Blank ID: 170314 BLANK 1 **Project:** 20129470

Lab ID: 20926772

Prep Level: Water **Batch:** 170314

Method: Water GC/MS Volatile Organics

Prepared: 13-Oct-11

Units: ug/L

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis
67-64-1	Acetone	1	ND		10.0	1.95	13-Oct-11 11:06 MLS
71-43-2	Benzene	1	ND		5.00	0.350	13-Oct-11 11:06 MLS
75-27-4	Bromodichloromethane	1	ND		5.00	0.353	13-Oct-11 11:06 MLS
75-25-2	Bromoform	1	ND		5.00	0.367	13-Oct-11 11:06 MLS
74-83-9	Bromomethane	1	ND		5.00	1.12	13-Oct-11 11:06 MLS
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976	13-Oct-11 11:06 MLS
75-15-0	Carbon disulfide	1	ND		5.00	0.410	13-Oct-11 11:06 MLS
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452	13-Oct-11 11:06 MLS
108-90-7	Chlorobenzene	1	ND		5.00	0.227	13-Oct-11 11:06 MLS
75-00-3	Chloroethane	1	ND		5.00	1.03	13-Oct-11 11:06 MLS
67-66-3	Chloroform	1	ND		5.00	0.334	13-Oct-11 11:06 MLS
74-87-3	Chloromethane	1	ND		5.00	0.316	13-Oct-11 11:06 MLS
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55	13-Oct-11 11:06 MLS
124-48-1	Dibromochloromethane	1	ND		5.00	0.335	13-Oct-11 11:06 MLS
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462	13-Oct-11 11:06 MLS
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456	13-Oct-11 11:06 MLS
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336	13-Oct-11 11:06 MLS
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525	13-Oct-11 11:06 MLS
75-35-4	1,1-Dichloroethene	1	ND		5.00	0.443	13-Oct-11 11:06 MLS
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338	13-Oct-11 11:06 MLS
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446	13-Oct-11 11:06 MLS
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400	13-Oct-11 11:06 MLS
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326	13-Oct-11 11:06 MLS
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439	13-Oct-11 11:06 MLS
100-41-4	Ethylbenzene	1	ND		5.00	0.306	13-Oct-11 11:06 MLS
591-78-6	2-Hexanone	1	ND		10.0	0.557	13-Oct-11 11:06 MLS
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413	13-Oct-11 11:06 MLS
79-20-9	Methyl acetate	1	ND		10.0	0.979	13-Oct-11 11:06 MLS
75-09-2	Methylene chloride	1	ND		5.00	0.379	13-Oct-11 11:06 MLS
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571	13-Oct-11 11:06 MLS
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303	13-Oct-11 11:06 MLS
100-42-5	Styrene	1	ND		5.00	0.354	13-Oct-11 11:06 MLS
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615	13-Oct-11 11:06 MLS
127-18-4	Tetrachloroethene	1	ND		5.00	0.251	13-Oct-11 11:06 MLS

Protocol Blank 10/21/2011 10:52:

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 170314 BLANK 1 **Project:** 20129470

Lab ID: 20926772

Prep Level: Water **Batch:** 170314

Method: Water GC/MS Volatile Organics

Prepared: 13-Oct-11

Units: ug/L

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis	
108-88-3	Toluene	1	ND		5.00	0.434	13-Oct-11 11:06	MLS
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458	13-Oct-11 11:06	MLS
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312	13-Oct-11 11:06	MLS
79-01-6	Trichloroethene	1	ND		5.00	0.400	13-Oct-11 11:06	MLS
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873	13-Oct-11 11:06	MLS
75-01-4	Vinyl chloride	1	ND		5.00	0.331	13-Oct-11 11:06	MLS
	m&p-Xylene	1	1.28	J	5.00	0.639	13-Oct-11 11:06	MLS
95-47-6	o-Xylene	1	ND		5.00	0.241	13-Oct-11 11:06	MLS

42 compound(s) reported

Protocol Blank 10/21/2011 10:52:

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 170316 BLANK 1 **Project:** 20129470

Lab ID: 20926778

Prep Level: Water **Batch:** 170316

Method: Water GC/MS Volatile Organics

Prepared: 13-Oct-11

Units: ug/L

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis	
67-64-1	Acetone	1	ND		10.0	1.95	13-Oct-11 11:16	RMP
71-43-2	Benzene	1	ND		5.00	0.350	13-Oct-11 11:16	RMP
75-27-4	Bromodichloromethane	1	ND		5.00	0.353	13-Oct-11 11:16	RMP
75-25-2	Bromoform	1	ND		5.00	0.367	13-Oct-11 11:16	RMP
74-83-9	Bromomethane	1	ND		5.00	1.12	13-Oct-11 11:16	RMP
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976	13-Oct-11 11:16	RMP
75-15-0	Carbon disulfide	1	ND		5.00	0.410	13-Oct-11 11:16	RMP
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452	13-Oct-11 11:16	RMP
108-90-7	Chlorobenzene	1	ND		5.00	0.227	13-Oct-11 11:16	RMP
75-00-3	Chloroethane	1	ND		5.00	1.03	13-Oct-11 11:16	RMP
67-66-3	Chloroform	1	ND		5.00	0.334	13-Oct-11 11:16	RMP
74-87-3	Chloromethane	1	ND		5.00	0.316	13-Oct-11 11:16	RMP
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55	13-Oct-11 11:16	RMP
124-48-1	Dibromochloromethane	1	ND		5.00	0.335	13-Oct-11 11:16	RMP
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462	13-Oct-11 11:16	RMP
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456	13-Oct-11 11:16	RMP
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336	13-Oct-11 11:16	RMP
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525	13-Oct-11 11:16	RMP
75-35-4	1,1-Dichloroethene	1	ND		5.00	0.443	13-Oct-11 11:16	RMP
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338	13-Oct-11 11:16	RMP
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446	13-Oct-11 11:16	RMP
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400	13-Oct-11 11:16	RMP
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326	13-Oct-11 11:16	RMP
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439	13-Oct-11 11:16	RMP
100-41-4	Ethylbenzene	1	ND		5.00	0.306	13-Oct-11 11:16	RMP
591-78-6	2-Hexanone	1	ND		10.0	0.557	13-Oct-11 11:16	RMP
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413	13-Oct-11 11:16	RMP
79-20-9	Methyl acetate	1	ND		10.0	0.979	13-Oct-11 11:16	RMP
75-09-2	Methylene chloride	1	ND		5.00	0.379	13-Oct-11 11:16	RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571	13-Oct-11 11:16	RMP
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303	13-Oct-11 11:16	RMP
100-42-5	Styrene	1	ND		5.00	0.354	13-Oct-11 11:16	RMP
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615	13-Oct-11 11:16	RMP
127-18-4	Tetrachloroethene	1	ND		5.00	0.251	13-Oct-11 11:16	RMP

Protocol Blank 10/21/2011 10:52:

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 170316 BLANK 1 **Project:** 20129470

Lab ID: 20926778

Prep Level: Water **Batch:** 170316

Method: Water GC/MS Volatile Organics

Prepared: 13-Oct-11

Units: ug/L

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis
108-88-3	Toluene	1	ND		5.00	0.434	13-Oct-11 11:16 RMP
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458	13-Oct-11 11:16 RMP
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312	13-Oct-11 11:16 RMP
79-01-6	Trichloroethene	1	ND		5.00	0.400	13-Oct-11 11:16 RMP
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873	13-Oct-11 11:16 RMP
75-01-4	Vinyl chloride	1	ND		5.00	0.331	13-Oct-11 11:16 RMP
	m&p-Xylene	1	0.700	J	5.00	0.639	13-Oct-11 11:16 RMP
95-47-6	o-Xylene	1	ND		5.00	0.241	13-Oct-11 11:16 RMP

42 compound(s) reported

Protocol Blank 10/21/2011 10:52:

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20129470

Value	Description
Q10	The spike recovery was above the laboratory QC limits, however, the data are reported without qualification since the target analyte was not detected in the corresponding samples.
J	This estimated value for the analyte is below the adjusted reporting limit but above the instrument reporting limit.
U	The analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
B	This analyte was detected in the method blank.
E	The sample concentration is above the linear calibrated range of the analysis.
LCS	Laboratory Control Sample.
MS(D)	Matrix Spike (Duplicate).
DUP	Sample Duplicate.
RPD	Relative Percent Difference.

Pace Analytical Services, In
1000 Riverbend Blvd. Suite F
St. Rose, LA 7008
(504) 469-033

Chains of Custody

20129470 PASI-MINN

Cha

Pace Analytical®
www.pacelabs.com

Workorder: 10171847 **Workorder Name:** KEC Semi-Annual Sampling **Owner Received Date:** 10/6/2011 **Results Requested By:** 10/19/2011

Report To	Subcontract To
Michelle Hubbling Pace Analytical Services, Inc. 1700 Elm Street, Suite 200 Minneapolis, MN 55414 Phone (612)607-1700 Fax (612)607-6444	Pace Analytical New Orleans 1000 Riverbend Blvd Suite F St. Rose, LA 70087 Phone (504)469-0333

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HCL	Requested Analysis: 8260 standard list	LAB USE ONLY
1	KEP-GW-018A-016	PS	10/3/2011 10:10	10171847001	Water	1	X	20926609
2	KEP-GW-018B-016	PS	10/3/2011 10:50	10171847002	Water	1	X	6610
3	KEP-GW-015A-016	PS	10/3/2011 15:40	10171847003	Water	1	X	6611
4	KEP-GW-023B-016	PS	10/3/2011 18:00	10171847004	Water	1	X	6612
5	KEP-GW-023A-016	PS	10/3/2011 17:05	10171847005	Water	1	X	6613
6	KEP-GW-017B-016	PS	10/3/2011 12:40	10171847006	Water	1	X	6614
7	KEP-GW-015B-016	PS	10/3/2011 18:10	10171847007	Water	1	X	6616
8	KEP-GW-017A-016	PS	10/3/2011 12:45	10171847008	Water	1	X	617
9	KEP-DUP-001	PS	10/3/2011 08:00	10171847009	Water	1	X	618
10	KEP-GW-029-007	PS	10/4/2011 10:55	10171847010	Water	1	X	619
11	KEP-GW-028-007	PS	10/4/2011 11:30	10171847011	Water	1	X	620
12	KEP-GW-024-016	PS	10/4/2011 16:30	10171847012	Water	1	X	621
13	KEP-GW-026-016	PS	10/4/2011 17:00	10171847013	Water	1	X	623
14	KEP-GW-008-021	PS	10/4/2011 18:50	10171847014	Water	1	X	626
15	KEP-GW-006-021	PS	10/4/2011 18:00	10171847015	Water	1	X	628
16	KEP-GW-007-021	PS	10/4/2011 16:00	10171847016	Water	1	X	631
17	KEP-GW-025-016	PS	10/4/2011 13:45	10171847017	Water	1	X	632
18	KEP-GW-019-016	PS	10/5/2011 10:05	10171847018	Water	1	X	633
19	KEP-GW-021A-016	PS	10/5/2011 11:45	10171847019	Water	1	X	634

Chain of Custody

Pace Analytical®
www.pacelabs.com

Workorder: 10171847 **Workorder Name:** KEC Semi-Annual Sampling **Owner Received Date:** 10/6/2011 **Results Requested By:** 10/19/2011

Report To	Subcontract To
Michelle Hubbling Pace Analytical Services, Inc. 1700 Elm Street, Suite 200 Minneapolis, MN 55414 Phone (612)607-1700 Fax (612)607-6444	Pace Analytical New Orleans 1000 Riverbend Blvd Suite F St. Rose, LA 70087 Phone (504)469-0333

Requested Analysis: 8260 Standard List

2012947 0

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HCl	LAB USE ONLY
20	KEP-GW-022-016	PS	10/5/2011 10:00	10171847020	Water	1	20926636
21	KEP-GW-016-016	PS	10/5/2011 11:45	10171847021	Water	1	637
22	Trip Blank-092011-1	PS	10/5/2011 10:10	10171847022	Water	1	639
23							
24							

10/11/11 MH

Transfers	Released By	Date/Time	Received By	Date/Time
1				
2		10-12-11 1200		10-12-11 1200
3				

Comments

Cooler Temperature on Receipt 2.0 °C | Custody Seal (Y) or N | Received on Ice (Y) or N | Samples Intact (Y) or N

Pace Analytical

Sample Condi

1000 Riverbend. Blvd., Suite F
St. Rose, LA 70087

Courier: ☐ Pace Courier ☐ Hackbarth ☑ Fed X ☐ UPS ☐ DHL ☐ USPS ☐ Customer ☐ Other

Custody Seal on Cooler/Box Present: [see COC] **Custody Seals Intact:** ☑Yes ☐No

Therometer Used: ☑ Therm Fisher IR 1 ☐ Therm Fisher IR 2 ☐ Therm Fisher IR 4

Type of Ice: (Wet) Blue None Samples on ice: [see COC]

Cooler Temperature: [see COC] Temp should be above freezing to 6°C

Date and Initials of person examining contents: 10-12-11

Temp must be measured from Temperature blank when present

		Comments:
Temperature Blank Present"?	☐Yes ☐No ☐N/A	1
Chain of Custody Present:	☑Yes ☐No ☐N/A	2
Chain of Custody Complete:	☑Yes ☐No ☐N/A	3
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	4
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	5
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	6
Sufficient Volume:	☑Yes ☐No ☐N/A	7
Correct Containers Used:	☑Yes ☐No ☐N/A	8
Filtered vol. Rec. for Diss. tests	☐Yes ☑No ☐N/A	9
Sample Labels match COC:	☑Yes ☐No ☐N/A	10
All containers received within manafacture's precautionary and/or expiration dates.	☑Yes ☐No ☐N/A	11
All containers needing preservation have been checked (except VOA, coliform, & O&G).	☐Yes ☐No ☑N/A	12
All containers preservation checked found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	13 If No, was preserative added? ☐Yes ☐No If added record lot no.: HNO3 _____ H2SO4 _____
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	14
Trip Blank Present:	☑Yes ☐No ☐N/A	16
Trip Blank Custody Seals Present	☐Yes ☐No ☐N/A	17
Pace Trip Blank Lot # (if purchased): N/A		18

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

ALLC003rev.08, 28Jul2010 - mod

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

10171947

Page: 1 of 2

1506667

Section A Required Client Information:

Company: EMS
Address: P.O. Box 15369
Email To: clyde@env-mgt.com
Phone: 601-544-3674 Fax: 601-544-0504
Requested Due Date/TAT: STANDARD

Section B Required Project Information:

Report To: CLYDE WOODWARD
Copy To: ETHAN ALLEN
Purchase Order No.:
Project Name: KEC SEMI-ANNUAL SAMPLING
Project Number:

Section C Invoice Information:

Attention: BRYAN SHERMAN
Company Name: EMS
Address: P.O. BOX 15369
Pace Quote Reference: EMS09220
Pace Project Manager: MICHELLE HUBBLING
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☒ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: MS

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	VOC 8260	1,4-Dioxane 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	KEP-GW-018A-016	WT	G			10/3/11	10:10	21	3				X						X	X		001
2	KEP-GW-018B-016	WT	G			10/3/11	10:50	21	3				X						X	X		002
3	KEP-GW-015A-016	WT	G			10/3/11	16:40	22	3				X						X	X		003
4	KEP-GW-023B-016	WT	G			10/3/11	18:00	20	3				X						X	X		004
5	KEP-GW-023A-016	WT	G			10/3/11	17:05	20	3				X						X	X		005
6	KEP-GW-017B-016	WT	G			10/3/11	12:40	22	3				X						X	X		006
7	KEP-GW-015B-016	WT	G			10/3/11	18:10	23	3				X						X	X		007
8	KEP-GW-017A-016	WT	G			10/3/11	12:45	24	3				X						X	X		008
9	KEP-DUP-001	WT	G			10/3/11	08:00	22	3				X						X	X		009
10	KEP-GW-029-007	WT	G			10/4/11	10:55	21	3				X						X	X		010
11	KEP-GW-028-007	WT	G			10/4/11	11:30	22	3				X						X	X		011
12	KEP-GW-024-016	WT	G			10/4/11	16:30	20	3				X						X	X		012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
					10/4/11	950 955	10.2	Y	Y	Y

Alan Niven Alan Niven 10-5-11 ORIGINAL
T. West White T. White 10-5-11

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: ETHAN ALLEN
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 10/5/2011

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

10171947

Page: 2 of 2

1229163

Section A Required Client Information:

Company: EMS
Address: P.O. Box 15369
Email To: clyde@env-mgt.com
Phone: 601-544-3674 Fax: 601-544-0504
Requested Due Date/TAT: STANDARD

Section B Required Project Information:

Report To: CLYDE WOODWARD
Copy To: ETHAN ALLEN
Purchase Order No.:
Project Name: KEC SEMI-ANNUAL SAMPLING
Project Number:

Section C Invoice Information:

Attention: BRYAN SHERMAN
Company Name: EMS
Address: P.O. Box 15369
Pace Quote Reference: EMS 09210
Pace Project Manager: MICHELLE HUBBLING
Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☒ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: MS

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	VOC 8260	1,4-Dioxane 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	KEP-GW-026-016	WT	G			10/4/11	1700	24	3				X						X	X		013
2	KEP-GW-008-021	WT	G			10/4/11	1850	22	3				X						X	X		014
3	KEP-GW-006-021	WT	G			10/4/11	1800	24	3				X						X	X		015
4	KEP-GW-007-021	WT	G			10/4/11	1460	22	3				X						X	X		016
5	KEP-GW-025-016	WT	G			10/4/11	1345	25	3				X						X	X		017
6	KEP-GW-019-016	WT	G			10/5/11	1005	22	3				X						X	X		018
7	KEP-GW-021A-016	WT	G			10/5/11	1145	22	3				X						X	X		019
8	KEP-GW-022-016	WT	G			10/5/11	1000	21	3				X						X	X		020
9	KEP-GW-016-016	WT	G			10/5/11	1145	22	3				X						X	X		021
10	TRIP BLANK-092011-1	WT	G			10/3/11	10:10		2				X						X			022
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
				Pace	~~10/7/11~~ 10/6/11	~~1950~~ 0955

SAMPLE CONDITIONS			
Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
10.2	Y	Y	Y

Alan Niven alan Niven 10-5-11
T. West White T. West 10-5-11

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: ETHAN ALLEN
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 10/05/2011

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Pace Analytical®	Document Name: Sample Condition Upon Receipt Form	Revised Date: 02Jun2011 Page 1 of 1
	Document Number: F-L-213 Rev.01	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: Env. Mgmt Project # 10171847

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 8771 1610 2971

Optional: Proj. Due Date: Proj. Name:

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____ Temp Blank: Yes ✓ No _____

Thermometer Used: 80344042 or 80512447 Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature: 10.2 Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 10/6/11 SH

Temp should be above freezing to 6°C

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WT		
All containers needing acid/base preservation have been checked. Noncompliance are noted in 13.	☐Yes ☐No ☑N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ HCl
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☐N/A	Samp #
Exceptions: VOA, Coliform, TOC, Oil and Grease, WI-DRO (water)	☐Yes ☐No	Initial when completed: SH Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☐N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☑Yes ☐No ☐N/A	16. 2WTTBs
Trip Blank Custody Seals Present	☐Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 092011-1		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Alan Niven Date/Time: 10/7/11 10:44am

Comments/ Resolution: Confirm analysis on out of temp. samples

Project Manager Review: _____ Date: 10/10/11

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

October 20, 2011

Ethan Allen
Environmental Management Services
7350 Hwy 98
Hattiesburg, MS 39404

RE: Project: KEC Semi-Annual Sampling
Pace Project No.: 10171984

Dear Ethan Allen:
Enclosed are the analytical results for sample(s) received by the laboratory on October 07, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Michelle Hubbling

michelle.hubbling@pacelabs.com
Project Manager

Enclosures

cc: Clyde Woodward, Environmental Management Servi

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: KEC Semi-Annual Sampling
Pace Project No.: 10171984

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Idaho Certification #: MN00064
Illinois Certification #: 200011
Iowa Certification #: 368
Kansas Certification #: E-10167
Louisiana Certification #: 03086
Louisiana Certification #: LA080009
Maine Certification #: 2007029
Maryland Certification #: 322
Michigan DEQ Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT CERT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New Mexico Certification #: Pace
New York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
North Dakota Certification #: R-036A
Ohio VAP Certification #: CL101
Oklahoma Certification #: D9921
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Washington Certification #: C754
Wisconsin Certification #: 999407970

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1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: KEC Semi-Annual Sampling
Pace Project No.: 10171984

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10171984001	**KEP-GW-002-021**	Water	10/05/11 18:00	10/07/11 09:50
10171984002	**KEP-Dup-003**	Water	10/05/11 12:00	10/07/11 09:50
10171984003	**KEP-GW-011B-016**	Water	10/05/11 16:10	10/07/11 09:50
10171984004	**KEP-GW-003-021**	Water	10/05/11 16:47	10/07/11 09:50
10171984005	**KEP-GW-009-019**	Water	10/05/11 18:50	10/07/11 09:50
10171984006	**KEP-Dup-002**	Water	10/05/11 12:00	10/07/11 09:50
10171984007	**KEP-GW-021B-016**	Water	10/05/11 14:05	10/07/11 09:50
10171984008	**Trip Blank 092011-1-1**	Water	10/05/11 11:45	10/07/11 09:50
10171984009	**KEP-GW-011A-016**	Water	10/05/11 15:30	10/07/11 09:50
10171984010	**KEP-GW-014A-016**	Water	10/06/11 09:15	10/07/11 09:50
10171984011	**KEP-GW-014B-016**	Water	10/06/11 10:30	10/07/11 09:50
10171984012	**KEP-GW-012-016**	Water	10/06/11 08:55	10/07/11 09:50
10171984013	**KEP-GW-020A-016**	Water	10/06/11 09:55	10/07/11 09:50
10171984014	**KEP-GW-020B-016**	Water	10/06/11 12:20	10/07/11 09:50
10171984015	**KEP-GW-013-016**	Water	10/06/11 11:00	10/07/11 09:50

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SAMPLE ANALYTE COUNT

Project: KEC Semi-Annual Sampling
Pace Project No.: 10171984

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10171984001	**KEP-GW-002-021**	EPA 8260B Mod.	ECB	3	PASI-M
10171984002	**KEP-Dup-003**	EPA 8260B Mod.	ECB	3	PASI-M
10171984003	**KEP-GW-011B-016**	EPA 8260B Mod.	ECB	3	PASI-M
10171984004	**KEP-GW-003-021**	EPA 8260B Mod.	ECB	3	PASI-M
10171984005	**KEP-GW-009-019**	EPA 8260B Mod.	ECB	3	PASI-M
10171984006	**KEP-Dup-002**	EPA 8260B Mod.	ECB	3	PASI-M
10171984007	**KEP-GW-021B-016**	EPA 8260B Mod.	ECB	3	PASI-M
10171984009	**KEP-GW-011A-016**	EPA 8260B Mod.	ECB	3	PASI-M
10171984010	**KEP-GW-014A-016**	EPA 8260B Mod.	ECB	3	PASI-M
10171984011	**KEP-GW-014B-016**	EPA 8260B Mod.	ECB	3	PASI-M
10171984012	**KEP-GW-012-016**	EPA 8260B Mod.	ECB	3	PASI-M
10171984013	**KEP-GW-020A-016**	EPA 8260B Mod.	ECB	3	PASI-M
10171984014	**KEP-GW-020B-016**	EPA 8260B Mod.	ECB	3	PASI-M
10171984015	**KEP-GW-013-016**	EPA 8260B Mod.	ECB	3	PASI-M

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ANALYTICAL RESULTS

Project: KEC Semi-Annual Sampling
Pace Project No.: 10171984

Sample: KEP-GW-002-021 **Lab ID: 10171984001** Collected: 10/05/11 18:00 Received: 10/07/11 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**16.5**	ug/L	3.0	1		10/14/11 05:42	123-91-1	
1,2-Dichloroethane-d4 (S)	104	%	75-125	1		10/14/11 05:42	17060-07-0	
Toluene-d8 (S)	102	%	75-125	1		10/14/11 05:42	2037-26-5	

Sample: KEP-Dup-003 **Lab ID: 10171984002** Collected: 10/05/11 12:00 Received: 10/07/11 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**16.8**	ug/L	3.0	1		10/14/11 06:01	123-91-1	
1,2-Dichloroethane-d4 (S)	95	%	75-125	1		10/14/11 06:01	17060-07-0	
Toluene-d8 (S)	101	%	75-125	1		10/14/11 06:01	2037-26-5	

Sample: KEP-GW-011B-016 **Lab ID: 10171984003** Collected: 10/05/11 16:10 Received: 10/07/11 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**2.5J**	ug/L	3.0	1		10/14/11 06:20	123-91-1	
1,2-Dichloroethane-d4 (S)	99	%	75-125	1		10/14/11 06:20	17060-07-0	
Toluene-d8 (S)	100	%	75-125	1		10/14/11 06:20	2037-26-5	

Sample: KEP-GW-003-021 **Lab ID: 10171984004** Collected: 10/05/11 16:47 Received: 10/07/11 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**8.6**	ug/L	3.0	1		10/14/11 06:39	123-91-1	
1,2-Dichloroethane-d4 (S)	100	%	75-125	1		10/14/11 06:39	17060-07-0	
Toluene-d8 (S)	98	%	75-125	1		10/14/11 06:39	2037-26-5	

Sample: KEP-GW-009-019 **Lab ID: 10171984005** Collected: 10/05/11 18:50 Received: 10/07/11 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**1.1J**	ug/L	3.0	1		10/14/11 06:58	123-91-1	
1,2-Dichloroethane-d4 (S)	100	%	75-125	1		10/14/11 06:58	17060-07-0	
Toluene-d8 (S)	99	%	75-125	1		10/14/11 06:58	2037-26-5	

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ANALYTICAL RESULTS

Project: KEC Semi-Annual Sampling
Pace Project No.: 10171984

Sample: KEP-Dup-002 **Lab ID: 10171984006** Collected: 10/05/11 12:00 Received: 10/07/11 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**2.1J**	ug/L	3.0	1		10/14/11 07:18	123-91-1	
1,2-Dichloroethane-d4 (S)	117	%	75-125	1		10/14/11 07:18	17060-07-0	
Toluene-d8 (S)	104	%	75-125	1		10/14/11 07:18	2037-26-5	

Sample: KEP-GW-021B-016 **Lab ID: 10171984007** Collected: 10/05/11 14:05 Received: 10/07/11 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**2.4J**	ug/L	3.0	1		10/14/11 07:37	123-91-1	
1,2-Dichloroethane-d4 (S)	104	%	75-125	1		10/14/11 07:37	17060-07-0	
Toluene-d8 (S)	102	%	75-125	1		10/14/11 07:37	2037-26-5	

Sample: KEP-GW-011A-016 **Lab ID: 10171984009** Collected: 10/05/11 15:30 Received: 10/07/11 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**3.8**	ug/L	3.0	1		10/14/11 07:56	123-91-1	
1,2-Dichloroethane-d4 (S)	103	%	75-125	1		10/14/11 07:56	17060-07-0	
Toluene-d8 (S)	98	%	75-125	1		10/14/11 07:56	2037-26-5	

Sample: KEP-GW-014A-016 **Lab ID: 10171984010** Collected: 10/06/11 09:15 Received: 10/07/11 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**0.72J**	ug/L	3.0	1		10/14/11 08:15	123-91-1	
1,2-Dichloroethane-d4 (S)	101	%	75-125	1		10/14/11 08:15	17060-07-0	
Toluene-d8 (S)	101	%	75-125	1		10/14/11 08:15	2037-26-5	

Sample: KEP-GW-014B-016 **Lab ID: 10171984011** Collected: 10/06/11 10:30 Received: 10/07/11 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**0.70J**	ug/L	3.0	1		10/14/11 08:34	123-91-1	
1,2-Dichloroethane-d4 (S)	101	%	75-125	1		10/14/11 08:34	17060-07-0	
Toluene-d8 (S)	101	%	75-125	1		10/14/11 08:34	2037-26-5	

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ANALYTICAL RESULTS

Project: KEC Semi-Annual Sampling
Pace Project No.: 10171984

Sample: KEP-GW-012-016 **Lab ID: 10171984012** Collected: 10/06/11 08:55 Received: 10/07/11 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**0.77J**	ug/L	3.0	1		10/14/11 08:53	123-91-1	
1,2-Dichloroethane-d4 (S)	106	%	75-125	1		10/14/11 08:53	17060-07-0	
Toluene-d8 (S)	102	%	75-125	1		10/14/11 08:53	2037-26-5	

Sample: KEP-GW-020A-016 **Lab ID: 10171984013** Collected: 10/06/11 09:55 Received: 10/07/11 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	ND	ug/L	3.0	1		10/14/11 09:12	123-91-1	
1,2-Dichloroethane-d4 (S)	111	%	75-125	1		10/14/11 09:12	17060-07-0	
Toluene-d8 (S)	103	%	75-125	1		10/14/11 09:12	2037-26-5	

Sample: KEP-GW-020B-016 **Lab ID: 10171984014** Collected: 10/06/11 12:20 Received: 10/07/11 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**2.1J**	ug/L	3.0	1		10/14/11 09:31	123-91-1	
1,2-Dichloroethane-d4 (S)	103	%	75-125	1		10/14/11 09:31	17060-07-0	
Toluene-d8 (S)	102	%	75-125	1		10/14/11 09:31	2037-26-5	

Sample: KEP-GW-013-016 **Lab ID: 10171984015** Collected: 10/06/11 11:00 Received: 10/07/11 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**0.69J**	ug/L	3.0	1		10/14/11 09:50	123-91-1	
1,2-Dichloroethane-d4 (S)	113	%	75-125	1		10/14/11 09:50	17060-07-0	
Toluene-d8 (S)	103	%	75-125	1		10/14/11 09:50	2037-26-5	

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QUALITY CONTROL DATA

Project: KEC Semi-Annual Sampling
Pace Project No.: 10171984

QC Batch: MSV/18285 Analysis Method: EPA 8260B Mod.
QC Batch Method: EPA 8260B Mod. Analysis Description: 8260 MSV SIM
Associated Lab Samples: 10171984001, 10171984002, 10171984003, 10171984004, 10171984005, 10171984006, 10171984007, 10171984009, 10171984010, 10171984011, 10171984012, 10171984013, 10171984014, 10171984015

METHOD BLANK: 1075387 Matrix: Water
Associated Lab Samples: 10171984001, 10171984002, 10171984003, 10171984004, 10171984005, 10171984006, 10171984007, 10171984009, 10171984010, 10171984011, 10171984012, 10171984013, 10171984014, 10171984015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (SIM)	ug/L	ND	3.0	10/14/11 03:47	
1,2-Dichloroethane-d4 (S)	%	120	75-125	10/14/11 03:47	
Toluene-d8 (S)	%	93	75-125	10/14/11 03:47	

LABORATORY CONTROL SAMPLE & LCSD: 1075388 1075389

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,4-Dioxane (SIM)	ug/L	20	19.8	20.7	99	104	75-125	5	20	
1,2-Dichloroethane-d4 (S)	%				96	107	75-125			
Toluene-d8 (S)	%				98	98	75-125			

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QUALIFIERS

Project: KEC Semi-Annual Sampling
Pace Project No.: 10171984

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

BATCH QUALIFIERS

Batch: MSV/18285

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

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October 27, 2011

Michelle Hubbling
PASI Minnesota
1700 Elm Street
Suite 200
Minneapolis, MN 55414

RE: Project 20129481
Project ID: 10171984 / EMS

Dear Michelle Hubbling:

Enclosed are the analytical results for sample(s) received by the laboratory on October 12, 2011. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Karen Brown
karen.brown@pacelabs.com

REPORT OF LABORATORY ANALYSIS

Laboratory Certifications

Pace Analytical Services, Inc.
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St. Rose, LA 70087
(504) 469-0333

Project: 20129481

Client: PASI Minnesota

Project ID: 10171984 / EMS

Washington Department of Ecology C2078

Oregon Environmental Laboratory Accreditation - LA200001

U.S. Dept. of Agriculture Foreign Soil Import P330-10-00119

Pennsylvania Dept. of Env Protection (NELAC) 68-04202

Texas Commission on Env. Quality (NELAC) T104704405-09-TX

Kansas Department of Health and Environment (NELAC) E-10266

Florida Department of Health (NELAC) E87595

Oklahoma Department of Environmental Quality - 2010-139

Illinois Environmental Protection Agency - 0025721

California Env. Lab Accreditation Program Branch - 11277CA

Louisiana Dept. of Environmental Quality (NELAC/LELAP) 02006

Pace Analytical™

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Sample Cross Reference

Project: 20129481

Client: PASI Minnesota

Project ID: 10171984 / EMS

Client Sample ID	Lab ID	Matrix	Collection Date/Time	Received Date/Time
KEP-GW-002-021	20926725	Water	05-Oct-11 18:00	12-Oct-11 12:00
KEP-DUP-003	20926727	Water	05-Oct-11 12:00	12-Oct-11 12:00
KEP-GW-011B-016	20926730	Water	05-Oct-11 16:10	12-Oct-11 12:00
KEP-GW-003-021	20926735	Water	05-Oct-11 16:47	12-Oct-11 12:00
KEP-GW-009-019	20926736	Water	05-Oct-11 16:50	12-Oct-11 12:00
KEP-DUP-002	20926737	Water	05-Oct-11 12:00	12-Oct-11 12:00
KEP-GW-021B-016	20926738	Water	05-Oct-11 14:05	12-Oct-11 12:00
TRIP BLANK 092011-1-1	20926740	Water	05-Oct-11 11:45	12-Oct-11 12:00
KEP-GW-011A-016	20926741	Water	05-Oct-11 15:30	12-Oct-11 12:00
KEP-GW-014A-016	20926742	Water	06-Oct-11 09:15	12-Oct-11 12:00
KEP-GW-014B-016	20926743	Water	06-Oct-11 10:30	12-Oct-11 12:00
KEP-GW-012-016	20926744	Water	06-Oct-11 08:55	12-Oct-11 12:00
KEP-GW-020A-016	20926745	Water	06-Oct-11 09:55	12-Oct-11 12:00
KEP-GW-020B-016	20926746	Water	06-Oct-11 12:20	12-Oct-11 12:00
KEP-GW-013-016	20926747	Water	06-Oct-11 11:00	12-Oct-11 12:00

Project Narrative

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20129481

Sample Receipt Condition:

All samples were received in accordance with EPA protocol.

Holding Times:

All holding times were met.

Blanks:

All blank results were below reporting limits.

Laboratory Control Samples:

All LCS recoveries were within QC limits.

Matrix Spikes and Duplicates:

All MS/MSD recoveries or duplicate RPDs were within QC limits.

Surrogates:

All surrogate recoveries were within QC limits.

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Project: 20129481

Analytical Method	Batch	Sample used for QC
EPA 8260	170316	Client sample KEP-GW-016-016 from project 20129470
EPA 8260	170318	Batch sample from another client

For the sample used as the original for the DUP or MS/MSD for the batch:

Project sample means a sample from this project was used.
Client sample means a sample from the same client but in a different project was used.
Batch sample means a sample from a different client was used.

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Client: PASI Minnesota

Client ID: KEP-GW-002-021
Project: 20129481
Project ID: 10171984 / EMS
Site: None
Lab ID: 20926725
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 05-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 13:22	RMP
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 13:22	RMP
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 13:22	RMP
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 13:22	RMP
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 13:22	RMP
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 13:22	RMP
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 13:22	RMP
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 13:22	RMP
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 13:22	RMP
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 13:22	RMP
67-66-3	Chloroform	1	0.600	J	5.00	0.334		13-Oct-11 13:22	RMP
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 13:22	RMP
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 13:22	RMP
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 13:22	RMP
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 13:22	RMP
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 13:22	RMP
75-34-3	1,1-Dichloroethane	1	1.61	J	5.00	0.336		13-Oct-11 13:22	RMP
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 13:22	RMP
75-35-4	1,1-Dichloroethene	1	45.6		5.00	0.443		13-Oct-11 13:22	RMP
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 13:22	RMP
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 13:22	RMP
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 13:22	RMP
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 13:22	RMP
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 13:22	RMP
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 13:22	RMP
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 13:22	RMP
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 13:22	RMP
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 13:22	RMP
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 13:22	RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 13:22	RMP
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 13:22	RMP
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 13:22	RMP
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 13:22	RMP
127-18-4	Tetrachloroethene	1	0.570	J	5.00	0.251		13-Oct-11 13:22	RMP

Protocol 10/27/2011 15:06:25

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit
Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-002-021
Project: 20129481
Project ID: 10171984 / EMS
Site: None
Lab ID: 20926725
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 05-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 13:22	RMP
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 13:22	RMP
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 13:22	RMP
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 13:22	RMP
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 13:22	RMP
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 13:22	RMP
	m&p-Xylene	1	1.36	J	5.00	0.639		13-Oct-11 13:22	RMP
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 13:22	RMP

42 compound(s) reported

Protocol 10/27/2011 15:06:25

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-DUP-003
Project: 20129481
Project ID: 10171984 / EMS
Site: None
Lab ID: 20926727
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 05-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 13:42	RMP
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 13:42	RMP
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 13:42	RMP
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 13:42	RMP
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 13:42	RMP
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 13:42	RMP
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 13:42	RMP
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 13:42	RMP
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 13:42	RMP
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 13:42	RMP
67-66-3	Chloroform	1	0.550	J	5.00	0.334		13-Oct-11 13:42	RMP
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 13:42	RMP
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 13:42	RMP
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 13:42	RMP
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 13:42	RMP
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 13:42	RMP
75-34-3	1,1-Dichloroethane	1	1.79	J	5.00	0.336		13-Oct-11 13:42	RMP
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 13:42	RMP
75-35-4	1,1-Dichloroethene	1	47.2		5.00	0.443		13-Oct-11 13:42	RMP
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 13:42	RMP
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 13:42	RMP
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 13:42	RMP
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 13:42	RMP
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 13:42	RMP
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 13:42	RMP
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 13:42	RMP
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 13:42	RMP
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 13:42	RMP
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 13:42	RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 13:42	RMP
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 13:42	RMP
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 13:42	RMP
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 13:42	RMP
127-18-4	Tetrachloroethene	1	0.520	J	5.00	0.251		13-Oct-11 13:42	RMP

Protocol 10/27/2011 15:06:25

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-DUP-003
Project: 20129481
Project ID: 10171984 / EMS
Site: None
Lab ID: 20926727
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 05-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 13:42	RMP
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 13:42	RMP
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 13:42	RMP
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 13:42	RMP
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 13:42	RMP
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 13:42	RMP
	m&p-Xylene	1	0.950	J	5.00	0.639		13-Oct-11 13:42	RMP
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 13:42	RMP

42 compound(s) reported

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-011B-016
Project: 20129481
Project ID: 10171984 / EMS
Site: None
Lab ID: 20926730
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 05-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 14:04 RMP
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 14:04 RMP
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 14:04 RMP
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 14:04 RMP
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 14:04 RMP
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 14:04 RMP
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 14:04 RMP
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 14:04 RMP
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 14:04 RMP
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 14:04 RMP
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 14:04 RMP
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 14:04 RMP
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 14:04 RMP
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 14:04 RMP
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 14:04 RMP
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 14:04 RMP
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 14:04 RMP
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 14:04 RMP
75-35-4	1,1-Dichloroethene	1	2.40	J	5.00	0.443		13-Oct-11 14:04 RMP
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 14:04 RMP
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 14:04 RMP
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 14:04 RMP
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 14:04 RMP
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 14:04 RMP
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 14:04 RMP
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 14:04 RMP
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 14:04 RMP
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 14:04 RMP
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 14:04 RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 14:04 RMP
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 14:04 RMP
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 14:04 RMP
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 14:04 RMP
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 14:04 RMP

Protocol 10/27/2011 15:06:25

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-011B-016
Project: 20129481
Project ID: 10171984 / EMS
Site: None
Lab ID: 20926730
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 05-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 14:04	RMP
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 14:04	RMP
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 14:04	RMP
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 14:04	RMP
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 14:04	RMP
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 14:04	RMP
	m&p-Xylene	1	1.27	J	5.00	0.639		13-Oct-11 14:04	RMP
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 14:04	RMP

42 compound(s) reported

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-003-021
Project: 20129481
Project ID: 10171984 / EMS
Site: None
Lab ID: 20926735
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 05-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 14:25 RMP
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 14:25 RMP
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 14:25 RMP
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 14:25 RMP
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 14:25 RMP
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 14:25 RMP
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 14:25 RMP
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 14:25 RMP
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 14:25 RMP
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 14:25 RMP
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 14:25 RMP
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 14:25 RMP
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 14:25 RMP
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 14:25 RMP
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 14:25 RMP
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 14:25 RMP
75-34-3	1,1-Dichloroethane	1	0.930	J	5.00	0.336		13-Oct-11 14:25 RMP
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 14:25 RMP
75-35-4	1,1-Dichloroethene	1	26.0		5.00	0.443		13-Oct-11 14:25 RMP
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 14:25 RMP
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 14:25 RMP
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 14:25 RMP
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 14:25 RMP
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 14:25 RMP
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 14:25 RMP
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 14:25 RMP
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 14:25 RMP
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 14:25 RMP
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 14:25 RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 14:25 RMP
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 14:25 RMP
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 14:25 RMP
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 14:25 RMP
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 14:25 RMP

Protocol 10/27/2011 15:06:25

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-003-021
Project: 20129481
Project ID: 10171984 / EMS
Site: None
Lab ID: 20926735
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 05-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 14:25 RMP
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 14:25 RMP
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 14:25 RMP
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 14:25 RMP
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 14:25 RMP
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 14:25 RMP
	m&p-Xylene	1	0.870	J	5.00	0.639		13-Oct-11 14:25 RMP
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 14:25 RMP

42 compound(s) reported

Protocol 10/27/2011 15:06:25

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit

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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-009-019
Project: 20129481
Project ID: 10171984 / EMS
Site: None
Lab ID: 20926736
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 05-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 14:45 RMP
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 14:45 RMP
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 14:45 RMP
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 14:45 RMP
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 14:45 RMP
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 14:45 RMP
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 14:45 RMP
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 14:45 RMP
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 14:45 RMP
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 14:45 RMP
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 14:45 RMP
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 14:45 RMP
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 14:45 RMP
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 14:45 RMP
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 14:45 RMP
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 14:45 RMP
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 14:45 RMP
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 14:45 RMP
75-35-4	1,1-Dichloroethene	1	5.38		5.00	0.443		13-Oct-11 14:45 RMP
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 14:45 RMP
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 14:45 RMP
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 14:45 RMP
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 14:45 RMP
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 14:45 RMP
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 14:45 RMP
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 14:45 RMP
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 14:45 RMP
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 14:45 RMP
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 14:45 RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 14:45 RMP
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 14:45 RMP
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 14:45 RMP
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 14:45 RMP
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 14:45 RMP

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ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit
Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-009-019
Project: 20129481
Project ID: 10171984 / EMS
Site: None
Lab ID: 20926736
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 05-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 14:45 RMP
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 14:45 RMP
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 14:45 RMP
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 14:45 RMP
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 14:45 RMP
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 14:45 RMP
	m&p-Xylene	1	0.770	J	5.00	0.639		13-Oct-11 14:45 RMP
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 14:45 RMP

42 compound(s) reported

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-DUP-002
Project: 20129481
Project ID: 10171984 / EMS
Site: None
Lab ID: 20926737
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 05-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 15:07 RMP
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 15:07 RMP
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 15:07 RMP
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 15:07 RMP
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 15:07 RMP
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 15:07 RMP
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 15:07 RMP
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 15:07 RMP
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 15:07 RMP
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 15:07 RMP
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 15:07 RMP
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 15:07 RMP
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 15:07 RMP
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 15:07 RMP
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 15:07 RMP
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 15:07 RMP
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 15:07 RMP
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 15:07 RMP
75-35-4	1,1-Dichloroethene	1	11.4		5.00	0.443		13-Oct-11 15:07 RMP
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 15:07 RMP
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 15:07 RMP
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 15:07 RMP
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 15:07 RMP
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 15:07 RMP
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 15:07 RMP
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 15:07 RMP
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 15:07 RMP
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 15:07 RMP
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 15:07 RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 15:07 RMP
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 15:07 RMP
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 15:07 RMP
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 15:07 RMP
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 15:07 RMP

Protocol 10/27/2011 15:06:26

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
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Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-DUP-002
Project: 20129481
Project ID: 10171984 / EMS
Site: None
Lab ID: 20926737
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 05-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 15:07 RMP
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 15:07 RMP
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 15:07 RMP
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 15:07 RMP
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 15:07 RMP
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 15:07 RMP
	m&p-Xylene	1	0.740	J	5.00	0.639		13-Oct-11 15:07 RMP
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 15:07 RMP

42 compound(s) reported

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-021B-016
Project: 20129481
Project ID: 10171984 / EMS
Site: None
Lab ID: 20926738
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 05-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 15:28	RMP
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 15:28	RMP
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 15:28	RMP
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 15:28	RMP
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 15:28	RMP
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 15:28	RMP
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 15:28	RMP
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 15:28	RMP
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 15:28	RMP
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 15:28	RMP
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 15:28	RMP
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 15:28	RMP
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 15:28	RMP
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 15:28	RMP
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 15:28	RMP
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 15:28	RMP
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 15:28	RMP
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 15:28	RMP
75-35-4	1,1-Dichloroethene	1	11.7		5.00	0.443		13-Oct-11 15:28	RMP
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 15:28	RMP
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 15:28	RMP
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 15:28	RMP
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 15:28	RMP
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 15:28	RMP
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 15:28	RMP
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 15:28	RMP
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 15:28	RMP
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 15:28	RMP
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 15:28	RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 15:28	RMP
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 15:28	RMP
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 15:28	RMP
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 15:28	RMP
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 15:28	RMP

Protocol 10/27/2011 15:06:26

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit
Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-021B-016
Project: 20129481
Project ID: 10171984 / EMS
Site: None
Lab ID: 20926738
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 05-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 15:28 RMP
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 15:28 RMP
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 15:28 RMP
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 15:28 RMP
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 15:28 RMP
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 15:28 RMP
	m&p-Xylene	1	1.16	J	5.00	0.639		13-Oct-11 15:28 RMP
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 15:28 RMP

42 compound(s) reported

Protocol 10/27/2011 15:06:26

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: TRIP BLANK 092011-1-1
Project: 20129481
Project ID: 10171984 / EMS
Site: None
Lab ID: 20926740
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 05-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 15:49	RMP
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 15:49	RMP
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 15:49	RMP
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 15:49	RMP
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 15:49	RMP
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 15:49	RMP
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 15:49	RMP
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 15:49	RMP
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 15:49	RMP
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 15:49	RMP
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 15:49	RMP
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 15:49	RMP
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 15:49	RMP
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 15:49	RMP
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 15:49	RMP
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 15:49	RMP
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 15:49	RMP
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 15:49	RMP
75-35-4	1,1-Dichloroethene	1	ND		5.00	0.443		13-Oct-11 15:49	RMP
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 15:49	RMP
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 15:49	RMP
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 15:49	RMP
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 15:49	RMP
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 15:49	RMP
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 15:49	RMP
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 15:49	RMP
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 15:49	RMP
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 15:49	RMP
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 15:49	RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 15:49	RMP
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 15:49	RMP
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 15:49	RMP
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 15:49	RMP
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 15:49	RMP

Protocol 10/27/2011 15:06:26

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit
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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: TRIP BLANK 092011-1-1
Project: 20129481
Project ID: 10171984 / EMS
Site: None
Lab ID: 20926740
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 05-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 15:49	RMP
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 15:49	RMP
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 15:49	RMP
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 15:49	RMP
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 15:49	RMP
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 15:49	RMP
	m&p-Xylene	1	1.09	J	5.00	0.639		13-Oct-11 15:49	RMP
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 15:49	RMP

42 compound(s) reported

Protocol 10/27/2011 15:06:26

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-011A-016
Project: 20129481
Project ID: 10171984 / EMS
Site: None
Lab ID: 20926741
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 05-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 16:10	RMP
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 16:10	RMP
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 16:10	RMP
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 16:10	RMP
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 16:10	RMP
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 16:10	RMP
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 16:10	RMP
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 16:10	RMP
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 16:10	RMP
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 16:10	RMP
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 16:10	RMP
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 16:10	RMP
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 16:10	RMP
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 16:10	RMP
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 16:10	RMP
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 16:10	RMP
75-34-3	1,1-Dichloroethane	1	0.750	J	5.00	0.336		13-Oct-11 16:10	RMP
107-06-2	1,2-Dichloroethane	1	0.830	J	5.00	0.525		13-Oct-11 16:10	RMP
75-35-4	1,1-Dichloroethene	1	24.5		5.00	0.443		13-Oct-11 16:10	RMP
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 16:10	RMP
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 16:10	RMP
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 16:10	RMP
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 16:10	RMP
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 16:10	RMP
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 16:10	RMP
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 16:10	RMP
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 16:10	RMP
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 16:10	RMP
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 16:10	RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 16:10	RMP
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 16:10	RMP
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 16:10	RMP
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 16:10	RMP
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 16:10	RMP

Protocol 10/27/2011 15:06:26

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-011A-016
Project: 20129481
Project ID: 10171984 / EMS
Site: None
Lab ID: 20926741
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 05-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 16:10 RMP
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 16:10 RMP
79-00-5	1,1,2-Trichloroethane	1	2.71	J	5.00	0.312		13-Oct-11 16:10 RMP
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 16:10 RMP
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 16:10 RMP
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 16:10 RMP
	m&p-Xylene	1	0.910	J	5.00	0.639		13-Oct-11 16:10 RMP
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 16:10 RMP

42 compound(s) reported

Protocol 10/27/2011 15:06:26

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-014A-016
Project: 20129481
Project ID: 10171984 / EMS
Site: None
Lab ID: 20926742
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 06-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 16:32 RMP
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 16:32 RMP
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 16:32 RMP
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 16:32 RMP
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 16:32 RMP
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 16:32 RMP
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 16:32 RMP
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 16:32 RMP
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 16:32 RMP
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 16:32 RMP
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 16:32 RMP
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 16:32 RMP
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 16:32 RMP
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 16:32 RMP
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 16:32 RMP
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 16:32 RMP
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 16:32 RMP
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 16:32 RMP
75-35-4	1,1-Dichloroethene	1	ND		5.00	0.443		13-Oct-11 16:32 RMP
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 16:32 RMP
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 16:32 RMP
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 16:32 RMP
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 16:32 RMP
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 16:32 RMP
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 16:32 RMP
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 16:32 RMP
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 16:32 RMP
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 16:32 RMP
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 16:32 RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 16:32 RMP
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 16:32 RMP
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 16:32 RMP
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 16:32 RMP
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 16:32 RMP

Protocol 10/27/2011 15:06:26

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-014A-016
Project: 20129481
Project ID: 10171984 / EMS
Site: None
Lab ID: 20926742
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 06-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 16:32 RMP
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 16:32 RMP
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 16:32 RMP
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 16:32 RMP
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 16:32 RMP
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 16:32 RMP
	m&p-Xylene	1	1.08	J	5.00	0.639		13-Oct-11 16:32 RMP
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 16:32 RMP

42 compound(s) reported

Protocol 10/27/2011 15:06:26

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-014B-016
Project: 20129481
Project ID: 10171984 / EMS
Site: None
Lab ID: 20926743
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170318
Method: EPA 8260
GCMS VOAs Water
Collected: 06-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 20:44	RMP
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 20:44	RMP
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 20:44	RMP
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 20:44	RMP
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 20:44	RMP
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 20:44	RMP
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 20:44	RMP
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 20:44	RMP
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 20:44	RMP
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 20:44	RMP
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 20:44	RMP
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 20:44	RMP
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 20:44	RMP
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 20:44	RMP
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 20:44	RMP
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 20:44	RMP
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 20:44	RMP
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 20:44	RMP
75-35-4	1,1-Dichloroethene	1	0.500	J	5.00	0.443		13-Oct-11 20:44	RMP
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 20:44	RMP
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 20:44	RMP
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 20:44	RMP
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 20:44	RMP
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 20:44	RMP
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 20:44	RMP
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 20:44	RMP
98-82-8	Isopropylbenzene (Cumene)	1	0.510	J	5.00	0.413		13-Oct-11 20:44	RMP
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 20:44	RMP
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 20:44	RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 20:44	RMP
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 20:44	RMP
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 20:44	RMP
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 20:44	RMP
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 20:44	RMP

Protocol 10/27/2011 15:06:26

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-014B-016
Project: 20129481
Project ID: 10171984 / EMS
Site: None
Lab ID: 20926743
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170318
Method: EPA 8260
GCMS VOAs Water
Collected: 06-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 20:44 RMP
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 20:44 RMP
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 20:44 RMP
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 20:44 RMP
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 20:44 RMP
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 20:44 RMP
	m&p-Xylene	1	ND		5.00	0.639		13-Oct-11 20:44 RMP
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 20:44 RMP

42 compound(s) reported

Protocol 10/27/2011 15:06:26

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-012-016
Project: 20129481
Project ID: 10171984 / EMS
Site: None
Lab ID: 20926744
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170318
Method: EPA 8260
GCMS VOAs Water
Collected: 06-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 21:05	RMP
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 21:05	RMP
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 21:05	RMP
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 21:05	RMP
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 21:05	RMP
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 21:05	RMP
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 21:05	RMP
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 21:05	RMP
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 21:05	RMP
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 21:05	RMP
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 21:05	RMP
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 21:05	RMP
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 21:05	RMP
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 21:05	RMP
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 21:05	RMP
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 21:05	RMP
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 21:05	RMP
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 21:05	RMP
75-35-4	1,1-Dichloroethene	1	0.600	J	5.00	0.443		13-Oct-11 21:05	RMP
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 21:05	RMP
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 21:05	RMP
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 21:05	RMP
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 21:05	RMP
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 21:05	RMP
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 21:05	RMP
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 21:05	RMP
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 21:05	RMP
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 21:05	RMP
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 21:05	RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 21:05	RMP
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 21:05	RMP
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 21:05	RMP
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 21:05	RMP
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 21:05	RMP

Protocol 10/27/2011 15:06:26

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit
Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-012-016
Project: 20129481
Project ID: 10171984 / EMS
Site: None
Lab ID: 20926744
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170318
Method: EPA 8260
GCMS VOAs Water
Collected: 06-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 21:05 RMP
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 21:05 RMP
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 21:05 RMP
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 21:05 RMP
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 21:05 RMP
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 21:05 RMP
	m&p-Xylene	1	ND		5.00	0.639		13-Oct-11 21:05 RMP
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 21:05 RMP

42 compound(s) reported

Protocol 10/27/2011 15:06:26

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-020A-016
Project: 20129481
Project ID: 10171984 / EMS
Site: None
Lab ID: 20926745
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170318
Method: EPA 8260
GCMS VOAs Water
Collected: 06-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 21:26	RMP
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 21:26	RMP
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 21:26	RMP
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 21:26	RMP
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 21:26	RMP
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 21:26	RMP
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 21:26	RMP
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 21:26	RMP
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 21:26	RMP
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 21:26	RMP
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 21:26	RMP
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 21:26	RMP
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 21:26	RMP
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 21:26	RMP
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 21:26	RMP
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 21:26	RMP
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 21:26	RMP
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 21:26	RMP
75-35-4	1,1-Dichloroethene	1	12.5		5.00	0.443		13-Oct-11 21:26	RMP
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 21:26	RMP
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 21:26	RMP
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 21:26	RMP
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 21:26	RMP
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 21:26	RMP
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 21:26	RMP
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 21:26	RMP
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 21:26	RMP
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 21:26	RMP
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 21:26	RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 21:26	RMP
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 21:26	RMP
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 21:26	RMP
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 21:26	RMP
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 21:26	RMP

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-020A-016
Project: 20129481
Project ID: 10171984 / EMS
Site: None
Lab ID: 20926745
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170318
Method: EPA 8260
GCMS VOAs Water
Collected: 06-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 21:26	RMP
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 21:26	RMP
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 21:26	RMP
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 21:26	RMP
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 21:26	RMP
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 21:26	RMP
	m&p-Xylene	1	0.650	J	5.00	0.639		13-Oct-11 21:26	RMP
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 21:26	RMP

42 compound(s) reported

Protocol 10/27/2011 15:06:26

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-020B-016
Project: 20129481
Project ID: 10171984 / EMS
Site: None
Lab ID: 20926746
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170318
Method: EPA 8260
GCMS VOAs Water
Collected: 06-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 21:47	RMP
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 21:47	RMP
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 21:47	RMP
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 21:47	RMP
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 21:47	RMP
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 21:47	RMP
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 21:47	RMP
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 21:47	RMP
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 21:47	RMP
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 21:47	RMP
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 21:47	RMP
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 21:47	RMP
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 21:47	RMP
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 21:47	RMP
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 21:47	RMP
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 21:47	RMP
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 21:47	RMP
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 21:47	RMP
75-35-4	1,1-Dichloroethene	1	0.860	J	5.00	0.443		13-Oct-11 21:47	RMP
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 21:47	RMP
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 21:47	RMP
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 21:47	RMP
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 21:47	RMP
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 21:47	RMP
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 21:47	RMP
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 21:47	RMP
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 21:47	RMP
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 21:47	RMP
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 21:47	RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 21:47	RMP
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 21:47	RMP
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 21:47	RMP
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 21:47	RMP
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 21:47	RMP

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-020B-016
Project: 20129481
Project ID: 10171984 / EMS
Site: None
Lab ID: 20926746
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170318
Method: EPA 8260
GCMS VOAs Water
Collected: 06-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 21:47 RMP
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 21:47 RMP
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 21:47 RMP
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 21:47 RMP
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 21:47 RMP
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 21:47 RMP
	m&p-Xylene	1	ND		5.00	0.639		13-Oct-11 21:47 RMP
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 21:47 RMP

42 compound(s) reported

Protocol 10/27/2011 15:06:26

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-013-016
Project: 20129481
Project ID: 10171984 / EMS
Site: None
Lab ID: 20926747
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170318
Method: EPA 8260
GCMS VOAs Water
Collected: 06-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 22:08	RMP
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 22:08	RMP
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 22:08	RMP
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 22:08	RMP
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 22:08	RMP
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 22:08	RMP
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 22:08	RMP
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 22:08	RMP
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 22:08	RMP
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 22:08	RMP
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 22:08	RMP
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 22:08	RMP
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 22:08	RMP
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 22:08	RMP
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 22:08	RMP
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 22:08	RMP
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 22:08	RMP
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 22:08	RMP
75-35-4	1,1-Dichloroethene	1	ND		5.00	0.443		13-Oct-11 22:08	RMP
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 22:08	RMP
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 22:08	RMP
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 22:08	RMP
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 22:08	RMP
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 22:08	RMP
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 22:08	RMP
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 22:08	RMP
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 22:08	RMP
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 22:08	RMP
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 22:08	RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 22:08	RMP
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 22:08	RMP
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 22:08	RMP
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 22:08	RMP
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 22:08	RMP

Protocol 10/27/2011 15:06:26

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit
Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-013-016
Project: 20129481
Project ID: 10171984 / EMS
Site: None
Lab ID: 20926747
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170318
Method: EPA 8260
GCMS VOAs Water
Collected: 06-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 22:08	RMP
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 22:08	RMP
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 22:08	RMP
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 22:08	RMP
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 22:08	RMP
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 22:08	RMP
	m&p-Xylene	1	ND		5.00	0.639		13-Oct-11 22:08	RMP
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 22:08	RMP

42 compound(s) reported

Protocol 10/27/2011 15:06:26

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Surrogate Recovery

Batch: 170316 **Project:** 20129481

Method: Water GC/MS Volatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20926778	170316 BLANK 1		102	110	100					
20926779	170316 LCS 1		97	98	99					
20926737	KEP-DUP-002		104	105	99					
20926727	KEP-DUP-003		103	104	97					
20926725	KEP-GW-002-021		100	102	99					
20926735	KEP-GW-003-021		106	103	98					
20926736	KEP-GW-009-019		100	102	98					
20926741	KEP-GW-011A-016		101	102	100					
20926730	KEP-GW-011B-016		99	101	96					
20926742	KEP-GW-014A-016		106	105	102					
20926780	KEP-GW-016-016 MS 1		99	99	100					
20926781	KEP-GW-016-016 MSD 1		97	93	96					
20926738	KEP-GW-021B-016		102	102	97					
20926740	TRIP BLANK 092011-1-1		103	104	100					
	QC limits:		68-124	72-126	79-119					

Sur 1: 4-Bromofluorobenzene (S)
Sur 2: Dibromofluoromethane (S)
Sur 3: Toluene-d8 (S)

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

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Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 170318 **Project:** 20129481

Method: Water GC/MS Volatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20926786	170318 BLANK 1		97	111	100					
20926787	170318 LCS 1		93	94	99					
20926744	KEP-GW-012-016		101	105	99					
20926747	KEP-GW-013-016		102	110	101					
20926743	KEP-GW-014B-016		100	104	99					
20926745	KEP-GW-020A-016		99	104	98					
20926746	KEP-GW-020B-016		101	109	100					
20926950	TANK F 011-173-343 MS 1		93	93	100					
20926951	TANK F 011-173-343 MSD 1		96	95	100					
	QC limits:		68-124	72-126	79-119					

Sur 1: 4-Bromofluorobenzene (S)
Sur 2: Dibromofluoromethane (S)
Sur 3: Toluene-d8 (S)

*** denotes surrogate recovery outside of QC limits.**

D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 170316 **Project:** 20129481 **LCS:** 20926779 13-Oct-11 11:37

Method: Water GC/MS Volatile Organics **MS:** 20926780 13-Oct-11 12:19

Units: ug/L **MSD:** 20926781 13-Oct-11 12:39

Original for MS: Batch Sample 20926637

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Acetone	50.0	44.8	90	50.0	2.19	48.6	44.9	93	85	8	10-195	10-204	20	
Benzene	50.0	45.6	91	50.0		47.1	47.9	94	96	2	66-132	58-140	20	
Bromodichloromethane	50.0	48.9	98	50.0		51.2	51.7	102	103	1	67-132	63-137	20	
Bromoform	50.0	58.9	118	50.0		60.1	62.1	120	124	3	53-152	49-156	20	
Bromomethane	50.0	46.6	93	50.0		49.7	49.7	99	99	0	47-150	43-152	20	
2-Butanone (MEK)	50.0	48.6	97	50.0		50.6	49.6	101	99	2	16-167	11-180	20	
Carbon disulfide	50.0	42.7	86	50.0		45.0	44.8	90	90	0	18-173	10-184	20	
Carbon tetrachloride	50.0	51.5	103	50.0		53.5	53.1	107	106	1	55-143	50-148	20	
Chlorobenzene	50.0	53.3	107	50.0		54.0	54.7	108	109	1	71-131	69-136	20	
Chloroethane	50.0	48.8	98	50.0		51.5	50.4	103	101	2	31-192	20-193	20	
Chloroform	50.0	49.6	99	50.0		50.6	51.3	101	103	1	69-134	65-140	20	
Chloromethane	50.0	37.9	76	50.0		39.3	39.3	79	79	0	29-157	27-160	20	
1,2-Dibromo-3-chloropropane	50.0	48.0	96	50.0		51.1	50.9	102	102	0	37-151	34-159	20	
Dibromochloromethane	50.0	56.1	112	50.0		58.0	58.6	116	117	1	61-138	59-143	20	
1,2-Dibromoethane (EDB)	50.0	51.7	103	50.0		55.0	56.5	110	113	3	60-145	59-149	20	
1,1-Dichloroethane	50.0	44.1	88	50.0		46.5	46.5	93	93	0	62-137	59-143	20	
1,2-Dichloroethane	50.0	47.0	94	50.0		49.4	50.4	99	101	2	59-145	58-151	20	
1,1-Dichloroethene	50.0	46.5	93	50.0		48.7	49.0	97	98	1	46-156	32-169	20	
cis-1,2-Dichloroethene	50.0	47.4	95	50.0		49.6	49.6	99	99	0	64-131	61-138	20	
trans-1,2-Dichloroethene	50.0	45.6	91	50.0		47.6	47.0	95	94	1	55-138	51-145	20	
1,2-Dichloropropane	50.0	43.3	87	50.0		45.3	45.7	91	92	1	65-130	63-134	20	
cis-1,3-Dichloropropene	50.0	47.8	96	50.0		47.4	48.8	95	98	3	63-137	59-139	20	
trans-1,3-Dichloropropene	50.0	49.9	100	50.0		52.0	53.7	104	107	3	61-143	57-149	20	
Ethylbenzene	50.0	51.4	103	50.0		52.3	52.9	105	106	1	71-130	65-136	20	
2-Hexanone	50.0	42.6	85	50.0		47.1	47.4	94	95	1	25-156	21-165	20	
Isopropylbenzene (Cumene)	50.0	51.1	102	50.0		53.4	53.3	107	107	0	58-142	55-146	20	
Methylene chloride	50.0	49.0	98	50.0		48.7	48.8	97	98	0	39-172	33-167	20	
4-Methyl-2-pentanone (MIBK	50.0	49.9	100	50.0		52.3	51.7	105	103	1	43-159	39-167	20	
Methyl-tert-butyl ether	50.0	52.8	106	50.0		55.7	55.7	111	111	0	49-157	45-168	20	
Styrene	50.0	56.0	112	50.0		56.1	57.3	112	115	2	72-134	62-141	20	
1,1,2,2-Tetrachloroethane	50.0	44.4	89	50.0		48.6	48.0	97	96	1	40-157	35-164	20	
Tetrachloroethene	50.0	57.1	114	50.0		57.8	57.0	116	114	1	55-156	44-162	20	
Toluene	50.0	47.6	95	50.0		49.2	49.8	98	100	1	68-131	60-137	20	
1,1,1-Trichloroethane	50.0	49.3	99	50.0		52.2	52.0	104	104	0	63-133	58-139	20	
1,1,2-Trichloroethane	50.0	50.5	101	50.0		53.4	53.7	107	108	1	64-135	61-140	20	
Trichloroethene	50.0	51.2	102	50.0		53.3	54.1	107	108	2	68-134	58-145	20	
Trichlorofluoromethane	50.0	53.5	107	50.0		58.2	57.5	117	115	1	39-185	15-192	20	
Vinyl chloride	50.0	44.8	90	50.0		47.0	46.3	94	93	2	40-152	32-157	20	
m&p-Xylene	100.	103.	103	100.	1.02	104.	105.	103	104	1	68-134	62-139	20	
o-Xylene	50.0	51.4	103	50.0		51.5	53.2	103	106	3	67-131	61-137	20	

40 compound(s) reported

QC Protocol 10/27/2011 15:06:29

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 170318 **Project:** 20129481 **LCS:** 20926787 13-Oct-11 20:01

Method: Water GC/MS Volatile Organics **MS:** 20926950 14-Oct-11 3:03

Units: ug/L **MSD:** 20926951 14-Oct-11 3:24

Original for MS: Batch Sample 20926853

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Acetone	50.0	43.6	87	50.0		46.5	45.5	93	91	2	10-195	10-204	20	
Benzene	50.0	45.1	90	50.0		45.2	45.3	90	91	0	66-132	58-140	20	
Bromodichloromethane	50.0	51.4	103	50.0		53.2	52.0	106	104	2	67-132	63-137	20	
Bromoform	50.0	57.5	115	50.0	1.00	62.0	57.0	122	112	8	53-152	49-156	20	
Bromomethane	50.0	45.8	92	50.0		47.6	47.9	95	96	1	47-150	43-152	20	
2-Butanone (MEK)	50.0	45.1	90	50.0		46.9	48.1	94	96	2	16-167	11-180	20	
Carbon disulfide	50.0	38.9	78	50.0		39.2	39.2	78	78	0	18-173	10-184	20	
Carbon tetrachloride	50.0	51.7	103	50.0		53.1	50.9	106	102	4	55-143	50-148	20	
Chlorobenzene	50.0	49.8	100	50.0		50.1	48.7	100	97	3	71-131	69-136	20	
Chloroethane	50.0	49.1	98	50.0		52.1	51.7	104	104	1	31-192	20-193	20	
Chloroform	50.0	47.8	96	50.0		48.6	48.0	97	96	1	69-134	65-140	20	
Chloromethane	50.0	36.8	74	50.0		36.3	38.1	73	76	5	29-157	27-160	20	
1,2-Dibromo-3-chloropropane	50.0	52.1	104	50.0		55.2	52.6	110	105	5	37-151	34-159	20	
Dibromochloromethane	50.0	54.6	109	50.0		56.3	53.7	113	108	5	61-138	59-143	20	
1,2-Dibromoethane (EDB)	50.0	51.3	103	50.0		55.0	51.2	110	103	7	60-145	59-149	20	
1,1-Dichloroethane	50.0	43.9	88	50.0		44.1	43.6	88	87	1	62-137	59-143	20	
1,2-Dichloroethane	50.0	53.8	108	50.0		56.3	52.9	113	106	6	59-145	58-151	20	
1,1-Dichloroethene	50.0	40.7	81	50.0		40.7	41.3	81	83	1	46-156	32-169	20	
cis-1,2-Dichloroethene	50.0	43.7	87	50.0		42.0	41.9	84	84	0	64-131	61-138	20	
trans-1,2-Dichloroethene	50.0	40.9	82	50.0		39.1	40.1	78	80	3	55-138	51-145	20	
1,2-Dichloropropane	50.0	44.6	89	50.0		45.5	44.0	91	88	3	65-130	63-134	20	
cis-1,3-Dichloropropene	50.0	47.8	96	50.0		44.9	43.9	90	88	2	63-137	59-139	20	
trans-1,3-Dichloropropene	50.0	51.1	102	50.0		52.5	50.6	105	101	4	61-143	57-149	20	
Ethylbenzene	50.0	48.6	97	50.0		49.2	47.5	98	95	3	71-130	65-136	20	
2-Hexanone	50.0	42.0	84	50.0		42.9	40.0	86	80	7	25-156	21-165	20	
Isopropylbenzene (Cumene)	50.0	48.6	97	50.0		47.2	46.5	94	93	1	58-142	55-146	20	
Methylene chloride	50.0	46.2	93	50.0		41.8	41.8	84	84	0	39-172	33-167	20	
4-Methyl-2-pentanone (MIBK	50.0	47.5	95	50.0		50.5	47.0	101	94	7	43-159	39-167	20	
Methyl-tert-butyl ether	50.0	49.0	98	50.0		49.0	48.9	98	98	0	49-157	45-168	20	
Styrene	50.0	52.6	105	50.0		51.9	49.2	104	98	5	72-134	62-141	20	
1,1,2,2-Tetrachloroethane	50.0	44.7	90	50.0		47.4	44.6	95	89	6	40-157	35-164	20	
Tetrachloroethene	50.0	51.4	103	50.0		47.4	47.7	95	95	1	55-156	44-162	20	
Toluene	50.0	47.4	95	50.0		47.5	46.5	95	93	2	68-131	60-137	20	
1,1,1-Trichloroethane	50.0	48.2	96	50.0		48.6	47.5	97	95	2	63-133	58-139	20	
1,1,2-Trichloroethane	50.0	51.7	103	50.0		54.4	52.1	109	104	4	64-135	61-140	20	
Trichloroethene	50.0	49.7	99	50.0		50.4	49.8	101	100	1	68-134	58-145	20	
Trichlorofluoromethane	50.0	54.9	110	50.0		56.7	55.9	113	112	1	39-185	15-192	20	
Vinyl chloride	50.0	42.6	85	50.0		43.4	45.1	87	90	4	40-152	32-157	20	
m&p-Xylene	100.	94.1	94	100.		96.7	92.7	97	93	4	68-134	62-139	20	
o-Xylene	50.0	48.5	97	50.0		48.6	46.9	97	94	4	67-131	61-137	20	

40 compound(s) reported

QC Protocol 10/27/2011 15:06:29

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 170316 BLANK 1 **Project:** 20129481

Lab ID: 20926778

Prep Level: Water **Batch:** 170316

Method: Water GC/MS Volatile Organics

Prepared: 13-Oct-11

Units: ug/L

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis	
67-64-1	Acetone	1	ND		10.0	1.95	13-Oct-11 11:16	RMP
71-43-2	Benzene	1	ND		5.00	0.350	13-Oct-11 11:16	RMP
75-27-4	Bromodichloromethane	1	ND		5.00	0.353	13-Oct-11 11:16	RMP
75-25-2	Bromoform	1	ND		5.00	0.367	13-Oct-11 11:16	RMP
74-83-9	Bromomethane	1	ND		5.00	1.12	13-Oct-11 11:16	RMP
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976	13-Oct-11 11:16	RMP
75-15-0	Carbon disulfide	1	ND		5.00	0.410	13-Oct-11 11:16	RMP
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452	13-Oct-11 11:16	RMP
108-90-7	Chlorobenzene	1	ND		5.00	0.227	13-Oct-11 11:16	RMP
75-00-3	Chloroethane	1	ND		5.00	1.03	13-Oct-11 11:16	RMP
67-66-3	Chloroform	1	ND		5.00	0.334	13-Oct-11 11:16	RMP
74-87-3	Chloromethane	1	ND		5.00	0.316	13-Oct-11 11:16	RMP
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55	13-Oct-11 11:16	RMP
124-48-1	Dibromochloromethane	1	ND		5.00	0.335	13-Oct-11 11:16	RMP
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462	13-Oct-11 11:16	RMP
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456	13-Oct-11 11:16	RMP
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336	13-Oct-11 11:16	RMP
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525	13-Oct-11 11:16	RMP
75-35-4	1,1-Dichloroethene	1	ND		5.00	0.443	13-Oct-11 11:16	RMP
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338	13-Oct-11 11:16	RMP
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446	13-Oct-11 11:16	RMP
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400	13-Oct-11 11:16	RMP
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326	13-Oct-11 11:16	RMP
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439	13-Oct-11 11:16	RMP
100-41-4	Ethylbenzene	1	ND		5.00	0.306	13-Oct-11 11:16	RMP
591-78-6	2-Hexanone	1	ND		10.0	0.557	13-Oct-11 11:16	RMP
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413	13-Oct-11 11:16	RMP
79-20-9	Methyl acetate	1	ND		10.0	0.979	13-Oct-11 11:16	RMP
75-09-2	Methylene chloride	1	ND		5.00	0.379	13-Oct-11 11:16	RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571	13-Oct-11 11:16	RMP
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303	13-Oct-11 11:16	RMP
100-42-5	Styrene	1	ND		5.00	0.354	13-Oct-11 11:16	RMP
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615	13-Oct-11 11:16	RMP
127-18-4	Tetrachloroethene	1	ND		5.00	0.251	13-Oct-11 11:16	RMP

Protocol Blank 10/27/2011 15:06:3

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 170316 BLANK 1 **Project:** 20129481

Lab ID: 20926778

Prep Level: Water **Batch:** 170316

Method: Water GC/MS Volatile Organics

Prepared: 13-Oct-11

Units: ug/L

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis
108-88-3	Toluene	1	ND		5.00	0.434	13-Oct-11 11:16 RMP
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458	13-Oct-11 11:16 RMP
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312	13-Oct-11 11:16 RMP
79-01-6	Trichloroethene	1	ND		5.00	0.400	13-Oct-11 11:16 RMP
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873	13-Oct-11 11:16 RMP
75-01-4	Vinyl chloride	1	ND		5.00	0.331	13-Oct-11 11:16 RMP
	m&p-Xylene	1	0.700	J	5.00	0.639	13-Oct-11 11:16 RMP
95-47-6	o-Xylene	1	ND		5.00	0.241	13-Oct-11 11:16 RMP

42 compound(s) reported

Protocol Blank 10/27/2011 15:06:3

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 170318 BLANK 1 **Project:** 20129481

Lab ID: 20926786

Prep Level: Water **Batch:** 170318

Method: Water GC/MS Volatile Organics

Prepared: 13-Oct-11

Units: ug/L

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis
67-64-1	Acetone	1	ND		10.0	1.95	13-Oct-11 19:40 RMP
71-43-2	Benzene	1	ND		5.00	0.350	13-Oct-11 19:40 RMP
75-27-4	Bromodichloromethane	1	ND		5.00	0.353	13-Oct-11 19:40 RMP
75-25-2	Bromoform	1	ND		5.00	0.367	13-Oct-11 19:40 RMP
74-83-9	Bromomethane	1	ND		5.00	1.12	13-Oct-11 19:40 RMP
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976	13-Oct-11 19:40 RMP
75-15-0	Carbon disulfide	1	ND		5.00	0.410	13-Oct-11 19:40 RMP
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452	13-Oct-11 19:40 RMP
108-90-7	Chlorobenzene	1	ND		5.00	0.227	13-Oct-11 19:40 RMP
75-00-3	Chloroethane	1	ND		5.00	1.03	13-Oct-11 19:40 RMP
67-66-3	Chloroform	1	ND		5.00	0.334	13-Oct-11 19:40 RMP
74-87-3	Chloromethane	1	ND		5.00	0.316	13-Oct-11 19:40 RMP
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55	13-Oct-11 19:40 RMP
124-48-1	Dibromochloromethane	1	ND		5.00	0.335	13-Oct-11 19:40 RMP
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462	13-Oct-11 19:40 RMP
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456	13-Oct-11 19:40 RMP
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336	13-Oct-11 19:40 RMP
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525	13-Oct-11 19:40 RMP
75-35-4	1,1-Dichloroethene	1	ND		5.00	0.443	13-Oct-11 19:40 RMP
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338	13-Oct-11 19:40 RMP
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446	13-Oct-11 19:40 RMP
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400	13-Oct-11 19:40 RMP
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326	13-Oct-11 19:40 RMP
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439	13-Oct-11 19:40 RMP
100-41-4	Ethylbenzene	1	ND		5.00	0.306	13-Oct-11 19:40 RMP
591-78-6	2-Hexanone	1	ND		10.0	0.557	13-Oct-11 19:40 RMP
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413	13-Oct-11 19:40 RMP
79-20-9	Methyl acetate	1	ND		10.0	0.979	13-Oct-11 19:40 RMP
75-09-2	Methylene chloride	1	ND		5.00	0.379	13-Oct-11 19:40 RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571	13-Oct-11 19:40 RMP
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303	13-Oct-11 19:40 RMP
100-42-5	Styrene	1	ND		5.00	0.354	13-Oct-11 19:40 RMP
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615	13-Oct-11 19:40 RMP
127-18-4	Tetrachloroethene	1	ND		5.00	0.251	13-Oct-11 19:40 RMP

Protocol Blank 10/27/2011 15:06:3

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Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 170318 BLANK 1 **Project:** 20129481

Lab ID: 20926786

Prep Level: Water **Batch:** 170318

Method: Water GC/MS Volatile Organics

Prepared: 13-Oct-11

Units: ug/L

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis
108-88-3	Toluene	1	ND		5.00	0.434	13-Oct-11 19:40 RMP
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458	13-Oct-11 19:40 RMP
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312	13-Oct-11 19:40 RMP
79-01-6	Trichloroethene	1	ND		5.00	0.400	13-Oct-11 19:40 RMP
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873	13-Oct-11 19:40 RMP
75-01-4	Vinyl chloride	1	ND		5.00	0.331	13-Oct-11 19:40 RMP
	m&p-Xylene	1	0.730	J	5.00	0.639	13-Oct-11 19:40 RMP
95-47-6	o-Xylene	1	ND		5.00	0.241	13-Oct-11 19:40 RMP

42 compound(s) reported

Protocol Blank 10/27/2011 15:06:3

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20129481

Value	Description
J	This estimated value for the analyte is below the adjusted reporting limit but above the instrument reporting limit.
U	The analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
B	This analyte was detected in the method blank.
E	The sample concentration is above the linear calibrated range of the analysis.
LCS	Laboratory Control Sample.
MS(D)	Matrix Spike (Duplicate).
DUP	Sample Duplicate.
RPD	Relative Percent Difference.

Pace Analytical Services, In
1000 Riverbend Blvd. Suite F
St. Rose, LA 7008
(504) 469-033

Chains of Custody

20129481 PASI-MINN

Chain of Cus

20129481

Pace Analytical®
www.pacelabs.com

Workorder: 10171984 **Workorder Name:** KEC Semi-Annual Sampling **Owner Received Date:** 10/7/2011 **Results Requested By:** 10/20/2011

Report To	Subcontract To
Michelle Hubbling Pace Analytical Services, Inc. 1700 Elm Street, Suite 200 Minneapolis, MN 55414 Phone (612)607-1700 Fax (612)607-6444	Pace Analytical New Orleans 1000 Riverbend Blvd Suite F St. Rose, LA 70087 Phone (504)469-0333

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HCL	Requested Analysis: 8260 Standard List	LAB USE ONLY
1	KEP-GW-002-021	PS	10/5/2011 18:00	10171984001	Water	2	X	20 926725
2	KEP-Dup-003	PS	10/5/2011 12:00	10171984002	Water	1	X	27
3	KEP-GW-011B-016	PS	10/5/2011 16:10	10171984003	Water	1	X	30
4	KEP-GW-003-021	PS	10/5/2011 16:47	10171984004	Water	1	X	35
5	KEP-GW-009-019	PS	10/5/2011 18:50	10171984005	Water	1	X	36
6	KEP-Dup-002	PS	10/5/2011 12:00	10171984006	Water	1	X	37
7	KEP-GW-021B-016	PS	10/5/2011 14:05	10171984007	Water	1	X	38
8	Trip Blank 092011-1-1	PS	10/5/2011 11:45	10171984008	Water	1	X	40
9	KEP-GW-011A-016	PS	10/5/2011 15:30	10171984009	Water	1	X	41
10	KEP-GW-014A-016	PS	10/6/2011 09:15	10171984010	Water	1	X	42
11	KEP-GW-014B-016	PS	10/6/2011 10:30	10171984011	Water	2	X	43
12	KEP-GW-012-016	PS	10/6/2011 08:55	10171984012	Water	1	X	44
13	KEP-GW-020A-016	PS	10/6/2011 09:55	10171984013	Water	1	X	45
14	KEP-GW-020B-016	PS	10/6/2011 12:20	10171984014	Water	1	X	46
15	KEP-GW-013-016	PS	10/6/2011 11:00	10171984015	Water	1	X	47

Transfers	Released By	Date/Time	Received By	Date/Time	Comments
1					
2		10-12-11 1200		10-12-11	1200
3					

Cooler Temperature on Receipt 2.0 °C	Custody Seal (Y) or N	Received on Ice (Y) or N	Samples Intact (Y) or N

Pace Analytical

1000 Riverbend. Blvd., Suite F
St. Rose, LA 70087

Sample Cond

Project #: LO

Courier: ☐ Pace Courier ☐ Hackbarth ☑ Fed X ☐ UPS ☐ DHL ☐ USPS ☐ Customer ☐ Other

Custody Seal on Cooler/Box Present: [see COC] **Custody Seals Intact:** ☑Yes ☐No

Therometer Used: ☑ Therm Fisher IR 1 ☐ Therm Fisher IR 2 ☐ Therm Fisher IR 4

Type of Ice: (Wet) Blue None Samples on ice: [see COC]

Cooler Temperature: [see COC] Temp should be above freezing to 6°C

Date and Initials of person examining contents: 10-12-11

Temp must be measured from Temperature blank when present

			Comments:
Temperature Blank Present"?	☑Yes	☐No ☐N/A	1
Chain of Custody Present:	☑Yes	☐No ☐N/A	2
Chain of Custody Complete:	☑Yes	☐No ☐N/A	3
Chain of Custody Relinquished:	☑Yes	☐No ☐N/A	4
Sampler Name & Signature on COC:	☑Yes	☐No ☐N/A	5
Samples Arrived within Hold Time:	☑Yes	☐No ☐N/A	6
Sufficient Volume:	☑Yes	☐No ☐N/A	7
Correct Containers Used:	☑Yes	☐No ☐N/A	8
Filtered vol. Rec. for Diss. tests	☐Yes	☑No ☐N/A	9
Sample Labels match COC:	☑Yes	☐No ☐N/A	10
All containers received within manafacture's precautionary and/or expiration dates.	☑Yes	☐No ☐N/A	11
All containers needing preservation have been checked (except VOA, coliform, & O&G).	☐Yes	☐No ☑N/A	12
All containers preservation checked found to be in compliance with EPA recommendation.	☐Yes	☐No ☑N/A	13 If No, was preserative added? ☐Yes ☐No If added record lot no.: HNO3 _____ H2SO4 _____
Samples checked for dechlorination:	☐Yes	☐No ☑N/A	14
Headspace in VOA Vials (>6mm):	☐Yes	☑No ☐N/A	14
Trip Blank Present:	☐Yes	☑No ☐N/A	16
Trip Blank Custody Seals Present	☐Yes	☑No ☐N/A	17
Pace Trip Blank Lot # (if purchased): N/A			18

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

ALLC003rev.06, 28Jul2010 - mod

Pace Analytical™

Shipping Request

Date 10/11/11 Must Arrive By 9/17/10 Time **AM**

Senders Initials **MH2** Extension No. 6378 Dept. # **10-03**

Ship To ☑ or Pick Up From ☐

Recipients Name:

Company Name: **Pace - NOLA**

Street Address:

Phone Number:

Special Instructions WO# 10171984

Description of Contents 17 VG9H Samples 001-015 (2 vials for 001 and 011)

Number of Packages 1

Charge To ☐ Project # ☑ Overhead Department # 1003

Managers Approval

DO NOT WRITE IN THIS SECTION

Courier Service:
Courier Name
Delivery Time Cost

UPS
Pick-up Record Number
Service ☐ Ground ☐ Air ☐ Weight ☐ Zone Cost

Federal Express
Airbill Number
Other
Name Cost

Pace Analytical®
www.pacelabs.com

Ship To:
Pace Analytical New Orleans
1000 Riverbend Blvd
Suite F
St. Rose, LA 70087
Phone (504)469-0333

INTER_LABORATORY WORK ORDER # 10171984
(To be completed by sending lab)

Sending Project No:	10171984
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	10/11/11
REQUESTED COMPLETION DATE:	**10/20/2011**

Sending Region	IR10-Minnesota	Sending Project Mgr.	Michelle Hubbling
Receiving Region	IR20-New Orleans	External Client	Environmental Management Services
State of Sample Origin		QC Deliverable	STD REPORT

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? Dry Weight Cert. Needed _____

WORK REQUESTED

Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Unit Price	Amount
8260 Standard List	VG9H	17	HCL	15		
					TOTAL	$0.00

Special Requirements: _____

Receiving Region Department	Acctg. Code	Totals from above	Revenue Allocation	
			Receiving Region (80%)	Client Services Dept. Sending Region (20%)
* Custom Revenue Allocation	TOTAL	$0.00	$0.00	$0.00

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Chain of Custody Included: ☑ Yes ☐ No Return Samples to Sending Region: ☐ Yes ☑ No

Matrix: ☐ Soil ☑ Water ☐ Air ☐ Other (identify) _____

CONFIRMATION OF WORK COMPLETED

Date Completed: _____ Receiving Project Manager: _____

DISPOSITION of FORM

Original sent to the receiving lab - Copy kept at the sending lab.

When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

Chain of Custody

Pace Analytical®
www.pacelabs.com

Workorder: 10171984 **Workorder Name:** KEC Semi-Annual Sampling **Owner Received Date:** 10/7/2011 **Results Requested By:** 10/20/2011

Report To	Subcontract To
Michelle Hubbling Pace Analytical Services, Inc. 1700 Elm Street, Suite 200 Minneapolis, MN 55414 Phone (612)607-1700 Fax (612)607-6444	Pace Analytical New Orleans 1000 Riverbend Blvd Suite F St. Rose, LA 70087 Phone (504)469-0333

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HCL	Requested Analysis: 8260 Standard List	LAB USE ONLY
1	KEP-GW-002-021	PS	10/5/2011 18:00	10171984001	Water	2	X	
2	KEP-Dup-003	PS	10/5/2011 12:00	10171984002	Water	1	X	
3	KEP-GW-011B-016	PS	10/5/2011 16:10	10171984003	Water	1	X	
4	KEP-GW-003-021	PS	10/5/2011 16:47	10171984004	Water	1	X	
5	KEP-GW-009-019	PS	10/5/2011 18:50	10171984005	Water	1	X	
6	KEP-Dup-002	PS	10/5/2011 12:00	10171984006	Water	1	X	
7	KEP-GW-021B-016	PS	10/5/2011 14:05	10171984007	Water	1	X	
8	Trip Blank 092011-1-1	PS	10/5/2011 11:45	10171984008	Water	1	X	
9	KEP-GW-011A-016	PS	10/5/2011 15:30	10171984009	Water	1	X	
10	KEP-GW-014A-016	PS	10/6/2011 09:15	10171984010	Water	1	X	
11	KEP-GW-014B-016	PS	10/6/2011 10:30	10171984011	Water	2	X	
12	KEP-GW-012-016	PS	10/6/2011 08:55	10171984012	Water	1	X	
13	KEP-GW-020A-016	PS	10/6/2011 09:55	10171984013	Water	1	X	
14	KEP-GW-020B-016	PS	10/6/2011 12:20	10171984014	Water	1	X	
15	KEP-GW-013-016	PS	10/6/2011 11:00	10171984015	Water	1	X	

Transfers	Released By	Date/Time	Received By	Date/Time	Comments
1					
2					
3					

Cooler Temperature on Receipt °C	Custody Seal Y or N	Received on Ice Y or N	Samples Intact Y or N

10171984

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Pace Analytical® www.pacelabs.com

~~10171972~~ 10171984

Page: 1 of 2

1429746

Section A Required Client Information:
- Company: EMS
- Address: P.O. Box 15369
- Email To: clyde@env-mgt.com
- Phone: 601-544-3674 Fax: 601-544-0504
- Requested Due Date/TAT: STANDARD

Section B Required Project Information:
- Report To: CLYDE WOODWARD
- Copy To: ETHAN ALLEN
- Purchase Order No.:
- Project Name: KEC SEMI-ANNUAL SAMPLING
- Project Number:

Section C Invoice Information:
- Attention: BRYAN SHERMAN
- Company Name: EMS
- Address: P.O. Box 15369
- Pace Quote Reference: EMS 09210
- Pace Project Manager: MICHELLE HUBBLING
- Pace Profile #:

REGULATORY AGENCY: NPDES / GROUND WATER / [X] DRINKING WATER / UST / RCRA / OTHER

Site Location STATE: MS

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	VOCs	1,4-Dioxane	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	KEP-GW-002-021	WT	G			10/5/11	18:00	23	~~3~~ 6				X						X	X		001
~~2~~	~~KEP-GW-01B-016~~	~~WT~~	~~G~~			~~10/5/11~~	~~11:45~~	~~22~~	~~3~~				~~X~~						~~X~~	~~X~~		
~~3~~	~~KEP-GW-002-021~~	~~WT~~	~~G~~			~~10/5/11~~	~~18:00~~	~~23~~	~~6~~				~~X~~						~~X~~	~~X~~		
4	KEP-DUP-003	WT	G			10/5/11	12:00	23	3				X						X	X		
5	KEP-GW-011B-016	WT	G			10/5/11	16:10	23	3				X						X	X		002
6	KEP-GW-003-021	WT	G			10/5/11	16:47	22	3				X						X	X		003
7	KEP-GW-009-019	WT	G			10/5/11	18:50	24	3				X						X	X		004
8	KEP-DUP-002	WT	G			10/5/11	12:00	23	3				X						X	X		005
9	~~KEP-DUP~~ KEP-GW-021B-016	WT	G			10/5/11	14:05	23	3				X						X	X		006
10	TRIP BLANK 092011-1-1	WT	G			10/5/11	11:45		3				X						X	X		007
11	KEP-GW-011A-016	WT	G			10/5/11	15:30	25	3				X						X			008
12	KEP-GW-014A-016	WT	G			10/5/11	0915	23	3				X						X	X		009
													X						X	X		010

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
				[signature] Pace	10/7/11	950	2.9	Y	Y	Y

T. West White T. [signature] 10-6-11
Alan Niven [signature] 10-6-11

ORIGINAL

SAMPLER NAME AND SIGNATURE
- PRINT Name of SAMPLER: ETHAN ALLEN
- SIGNATURE of SAMPLER: [signature]
- DATE Signed (MM/DD/YY): 10/06/11

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

10171972 10/8/11 MSP

10171984

Page: 2 of 2

1443651

Section A Required Client Information:

Company: EMS
Address: P.O. Box 15369
Email To: clyde@env-mgt.com
Phone: 601-544-3674 Fax: 601-544-0504
Requested Due Date/TAT: STANDARD

Section B Required Project Information:

Report To: CLYDE WOODWARD
Copy To: ETHAN ALLEN
Purchase Order No.:
Project Name: KEC SEMI ANNUAL SAMPLING
Project Number:

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Attention: BRYAN SHERMAN
Company Name: EMS
Address: P.O. BOX 15369
Pace Quote Reference: EMS 09210
Pace Project Manager: MICHELLE HUBBLING
Pace Profile #:

REGULATORY AGENCY

- ☐ NPDES ☐ GROUND WATER ☒ DRINKING WATER
- ☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: MS

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	Composite Start DATE	Composite Start TIME	Composite End/Grab DATE	Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	VOC	1,4-Dioxane	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	KEP-GW-014B-016	WT	G			10/6/11	10:30	20	6				X						X	X		011
2	KEP-GW-012-016	WT	G			10/6/11	0855	21	3				X						X	X		012
3	KEP-GW-020A-016	WT	G			10/6/11	0955	21	3				X						X	X		013
4	KEP-GW-020B-016	WT	G			10/6/11	1220	22	3				X						X	X		014
5	KEP-GW-013-016	WT	G			10/6/11	11:00	22	3				X						X	X		015
6																						
7																						
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
				[signature] / Pace	10/7/11	950	2.9	Y	Y	Y

T. West White T. [signature] 10-6-11
ORIGINAL
Alan Niven [signature] 10-6-11

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: ETHAN ALLEN
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM/DD/YY): 10/6/2011

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Pace Analytical®	Document Name: Sample Condition Upon Receipt Form	Revised Date: 02Jun2011 Page 1 of 1
	Document Number: F-L-213 Rev.01	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: Env Mgmt Project # 10171984

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 8771 1610 3029

Optional: Proj. Due Date: Proj. Name:

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other _____ Temp Blank: Yes ✓ No _____

Thermometer Used 80344042 or 80512447 Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 2.9 Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 10/7/11 SH

Temp should be above freezing to 6°C

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☐Yes ☑No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☐Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WT		
All containers needing acid/base preservation have been checked. Noncompliance are noted in 13.	☐Yes ☐No ☑N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ HCl
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	Samp #
Exceptions: VOA, Coliform, TOC, Oil and Grease, WI-DRO (water)	☑Yes ☐No	Initial when completed SH / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☐N/A	15.
Trip Blank Present:	☑Yes ☐No ☐N/A	16. 2WT 092011-1
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: 10/10/11

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

October 21, 2011

Ethan Allen
Environmental Management Services
7350 Hwy 98
Hattiesburg, MS 39404

RE: Project: KEC Semiannual Sampling
Pace Project No.: 10172007

Dear Ethan Allen:
Enclosed are the analytical results for sample(s) received by the laboratory on October 08, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Michelle Hubbling

michelle.hubbling@pacelabs.com
Project Manager

Enclosures

cc: Clyde Woodward, Environmental Management Servi

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: KEC Semiannual Sampling
Pace Project No.: 10172007

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Idaho Certification #: MN00064
Illinois Certification #: 200011
Iowa Certification #: 368
Kansas Certification #: E-10167
Louisiana Certification #: 03086
Louisiana Certification #: LA080009
Maine Certification #: 2007029
Maryland Certification #: 322
Michigan DEQ Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT CERT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New Mexico Certification #: Pace
New York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
North Dakota Certification #: R-036A
Ohio VAP Certification #: CL101
Oklahoma Certification #: D9921
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Washington Certification #: C754
Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: KEC Semiannual Sampling
Pace Project No.: 10172007

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10172007001	**KEP-GW-005-018**	Water	10/06/11 14:15	10/08/11 11:30
10172007002	**KEP-GW-004-021**	Water	10/06/11 16:25	10/08/11 11:30
10172007003	**KEP-Dup-004**	Water	10/06/11 12:00	10/08/11 11:30
10172007004	**KEP-GW-010A-016**	Water	10/06/11 17:30	10/08/11 11:30
10172007005	**KEP-GW-010C-016**	Water	10/06/11 18:45	10/08/11 11:30
10172007006	**KEP-GW-010B-016**	Water	10/06/11 18:45	10/08/11 11:30
10172007007	**KEP-GW-027-016**	Water	10/06/11 15:00	10/08/11 11:30
10172007008	**Trip Blank 092011-1**	Water	10/06/11 12:00	10/08/11 11:30

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SAMPLE ANALYTE COUNT

Project: KEC Semiannual Sampling
Pace Project No.: 10172007

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10172007001	**KEP-GW-005-018**	EPA 8260B Mod.	ECB	3	PASI-M
10172007002	**KEP-GW-004-021**	EPA 8260B Mod.	ECB	3	PASI-M
10172007003	**KEP-Dup-004**	EPA 8260B Mod.	ECB	3	PASI-M
10172007004	**KEP-GW-010A-016**	EPA 8260B Mod.	ECB	3	PASI-M
10172007005	**KEP-GW-010C-016**	EPA 8260B Mod.	ECB	3	PASI-M
10172007006	**KEP-GW-010B-016**	EPA 8260B Mod.	ECB	3	PASI-M
10172007007	**KEP-GW-027-016**	EPA 8260B Mod.	ECB	3	PASI-M

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ANALYTICAL RESULTS

Project: KEC Semiannual Sampling
Pace Project No.: 10172007

Sample: KEP-GW-005-018 **Lab ID: 10172007001** Collected: 10/06/11 14:15 Received: 10/08/11 11:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**0.62J**	ug/L	3.0	1		10/14/11 10:10	123-91-1	
1,2-Dichloroethane-d4 (S)	102	%	75-125	1		10/14/11 10:10	17060-07-0	
Toluene-d8 (S)	100	%	75-125	1		10/14/11 10:10	2037-26-5	

Sample: KEP-GW-004-021 **Lab ID: 10172007002** Collected: 10/06/11 16:25 Received: 10/08/11 11:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**13.6**	ug/L	3.0	1		10/14/11 12:52	123-91-1	
1,2-Dichloroethane-d4 (S)	104	%	75-125	1		10/14/11 12:52	17060-07-0	
Toluene-d8 (S)	102	%	75-125	1		10/14/11 12:52	2037-26-5	

Sample: KEP-Dup-004 **Lab ID: 10172007003** Collected: 10/06/11 12:00 Received: 10/08/11 11:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**14.4**	ug/L	3.0	1		10/14/11 13:11	123-91-1	
1,2-Dichloroethane-d4 (S)	112	%	75-125	1		10/14/11 13:11	17060-07-0	
Toluene-d8 (S)	103	%	75-125	1		10/14/11 13:11	2037-26-5	

Sample: KEP-GW-010A-016 **Lab ID: 10172007004** Collected: 10/06/11 17:30 Received: 10/08/11 11:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**1.7J**	ug/L	3.0	1		10/14/11 13:30	123-91-1	
1,2-Dichloroethane-d4 (S)	102	%	75-125	1		10/14/11 13:30	17060-07-0	
Toluene-d8 (S)	100	%	75-125	1		10/14/11 13:30	2037-26-5	

Sample: KEP-GW-010C-016 **Lab ID: 10172007005** Collected: 10/06/11 18:45 Received: 10/08/11 11:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**1.1J**	ug/L	3.0	1		10/14/11 13:49	123-91-1	
1,2-Dichloroethane-d4 (S)	120	%	75-125	1		10/14/11 13:49	17060-07-0	
Toluene-d8 (S)	96	%	75-125	1		10/14/11 13:49	2037-26-5	

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ANALYTICAL RESULTS

Project: KEC Semiannual Sampling
Pace Project No.: 10172007

Sample: KEP-GW-010B-016 **Lab ID: 10172007006** Collected: 10/06/11 18:45 Received: 10/08/11 11:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**4.9**	ug/L	3.0	1		10/14/11 14:09	123-91-1	
1,2-Dichloroethane-d4 (S)	113	%	75-125	1		10/14/11 14:09	17060-07-0	
Toluene-d8 (S)	96	%	75-125	1		10/14/11 14:09	2037-26-5	

Sample: KEP-GW-027-016 **Lab ID: 10172007007** Collected: 10/06/11 15:00 Received: 10/08/11 11:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (SIM)	**1.0J**	ug/L	3.0	1		10/14/11 14:28	123-91-1	
1,2-Dichloroethane-d4 (S)	110	%	75-125	1		10/14/11 14:28	17060-07-0	
Toluene-d8 (S)	97	%	75-125	1		10/14/11 14:28	2037-26-5	

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QUALITY CONTROL DATA

Project: KEC Semiannual Sampling
Pace Project No.: 10172007

QC Batch: MSV/18285 Analysis Method: EPA 8260B Mod.
QC Batch Method: EPA 8260B Mod. Analysis Description: 8260 MSV SIM
Associated Lab Samples: 10172007001

METHOD BLANK: 1075387 Matrix: Water
Associated Lab Samples: 10172007001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (SIM)	ug/L	ND	3.0	10/14/11 03:47	
1,2-Dichloroethane-d4 (S)	%	120	75-125	10/14/11 03:47	
Toluene-d8 (S)	%	93	75-125	10/14/11 03:47	

LABORATORY CONTROL SAMPLE & LCSD: 1075388 1075389

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,4-Dioxane (SIM)	ug/L	20	19.8	20.7	99	104	75-125	5	20	
1,2-Dichloroethane-d4 (S)	%				96	107	75-125			
Toluene-d8 (S)	%				98	98	75-125			

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QUALITY CONTROL DATA

Project: KEC Semiannual Sampling
Pace Project No.: 10172007

QC Batch: MSV/18286 Analysis Method: EPA 8260B Mod.
QC Batch Method: EPA 8260B Mod. Analysis Description: 8260 MSV SIM
Associated Lab Samples: 10172007002, 10172007003, 10172007004, 10172007005, 10172007006, 10172007007

METHOD BLANK: 1075390 Matrix: Water
Associated Lab Samples: 10172007002, 10172007003, 10172007004, 10172007005, 10172007006, 10172007007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (SIM)	ug/L	ND	3.0	10/14/11 12:33	
1,2-Dichloroethane-d4 (S)	%	111	75-125	10/14/11 12:33	
Toluene-d8 (S)	%	103	75-125	10/14/11 12:33	

LABORATORY CONTROL SAMPLE: 1075391

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (SIM)	ug/L	20	20.6	103	75-125	
1,2-Dichloroethane-d4 (S)	%			104	75-125	
Toluene-d8 (S)	%			102	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1076650 1076651

Parameter	Units	10172246003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,4-Dioxane (SIM)	ug/L	278	200	200	439	464	80	93	55-131	6	30	
1,2-Dichloroethane-d4 (S)	%						118	111	75-125			
Toluene-d8 (S)	%						101	100	75-125			

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(612)607-1700

QUALIFIERS

Project: KEC Semiannual Sampling
Pace Project No.: 10172007

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

BATCH QUALIFIERS

Batch: MSV/18285

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

October 21, 2011

Michelle Hubbling
PASI Minnesota
1700 Elm Street
Suite 200
Minneapolis, MN 55414

RE: Project 20129464
Project ID: 10172007/KEC SEMIANNUAL

Dear Michelle Hubbling:

Enclosed are the analytical results for sample(s) received by the laboratory on October 12, 2011. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Karen Brown
karen.brown@pacelabs.com

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20129464

Client: PASI Minnesota

Project ID: 10172007/KEC SEMIANNUAL

Washington Department of Ecology C2078

Oregon Environmental Laboratory Accreditation - LA200001

U.S. Dept. of Agriculture Foreign Soil Import P330-10-00119

Pennsylvania Dept. of Env Protection (NELAC) 68-04202

Texas Commission on Env. Quality (NELAC) T104704405-09-TX

Kansas Department of Health and Environment (NELAC) E-10266

Florida Department of Health (NELAC) E87595

Oklahoma Department of Environmental Quality - 2010-139

Illinois Environmental Protection Agency - 0025721

California Env. Lab Accreditation Program Branch - 11277CA

Louisiana Dept. of Environmental Quality (NELAC/LELAP) 02006

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Sample Cross Reference

Project: 20129464

Client: PASI Minnesota

Project ID: 10172007/KEC SEMIANNUAL

Client Sample ID	Lab ID	Matrix	Collection Date/Time	Received Date/Time
KEP-GW-005-018	20926583	Water	06-Oct-11 14:15	12-Oct-11 12:00
KEP-GW-004-021	20926584	Water	06-Oct-11 16:25	12-Oct-11 12:00
KEP-DUP-004	20926586	Water	06-Oct-11 12:00	12-Oct-11 12:00
KEP-GW-010A-016	20926587	Water	06-Oct-11 17:30	12-Oct-11 12:00
KEP-GW-010C-016	20926592	Water	06-Oct-11 18:45	12-Oct-11 12:00
KEP-GW-010B-016	20926593	Water	06-Oct-11 18:45	12-Oct-11 12:00
KEP-GW-027-016	20926598	Water	06-Oct-11 15:00	12-Oct-11 12:00
TRIP BLANK 0920-11-1	20926601	Water	06-Oct-11 12:00	12-Oct-11 12:00

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20129464

Narrative detail for project management:

This is a resubmitted report. At the request of the client, results are reported to the MDL with "J" values.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20129464

Sample Receipt Condition:

All samples were received in accordance with EPA protocol.

Holding Times:

All holding times were met.

Blanks:

All blank results were below reporting limits.

Laboratory Control Samples:

All LCS recoveries were within QC limits.

Matrix Spikes and Duplicates:

All MS/MSD recoveries or duplicate RPDs were within QC limits.

Surrogates:

All surrogate recoveries were within QC limits.

QC Cross Reference

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20129464

Analytical Method	Batch	Sample used for QC
EPA 8260	170316	Client sample KEP-GW-016-016 from project 20129470

For the sample used as the original for the DUP or MS/MSD for the batch:

Project sample means a sample from this project was used.
Client sample means a sample from the same client but in a different project was used.
Batch sample means a sample from a different client was used.

Pace Analytical Services, Inc.
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St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-005-018
Project: 20129464
Project ID: 10172007/KEC SEMIANNUAL
Site: None
Lab ID: 20926583
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 06-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 16:53 RMP
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 16:53 RMP
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 16:53 RMP
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 16:53 RMP
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 16:53 RMP
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 16:53 RMP
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 16:53 RMP
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 16:53 RMP
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 16:53 RMP
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 16:53 RMP
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 16:53 RMP
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 16:53 RMP
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 16:53 RMP
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 16:53 RMP
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 16:53 RMP
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 16:53 RMP
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 16:53 RMP
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 16:53 RMP
75-35-4	1,1-Dichloroethene	1	ND		5.00	0.443		13-Oct-11 16:53 RMP
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 16:53 RMP
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 16:53 RMP
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 16:53 RMP
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 16:53 RMP
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 16:53 RMP
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 16:53 RMP
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 16:53 RMP
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 16:53 RMP
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 16:53 RMP
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 16:53 RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 16:53 RMP
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 16:53 RMP
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 16:53 RMP
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 16:53 RMP
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 16:53 RMP

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ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit
Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-005-018
Project: 20129464
Project ID: 10172007/KEC SEMIANNUAL
Site: None
Lab ID: 20926583
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 06-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 16:53	RMP
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 16:53	RMP
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 16:53	RMP
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 16:53	RMP
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 16:53	RMP
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 16:53	RMP
	m&p-Xylene	1	0.890	J	5.00	0.639		13-Oct-11 16:53	RMP
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 16:53	RMP

42 compound(s) reported

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-004-021
Project: 20129464
Project ID: 10172007/KEC SEMIANNUAL
Site: None
Lab ID: 20926584
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 06-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 17:14	RMP
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 17:14	RMP
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 17:14	RMP
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 17:14	RMP
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 17:14	RMP
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 17:14	RMP
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 17:14	RMP
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 17:14	RMP
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 17:14	RMP
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 17:14	RMP
67-66-3	Chloroform	1	0.910	J	5.00	0.334		13-Oct-11 17:14	RMP
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 17:14	RMP
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 17:14	RMP
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 17:14	RMP
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 17:14	RMP
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 17:14	RMP
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 17:14	RMP
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 17:14	RMP
75-35-4	1,1-Dichloroethene	1	16.4		5.00	0.443		13-Oct-11 17:14	RMP
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 17:14	RMP
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 17:14	RMP
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 17:14	RMP
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 17:14	RMP
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 17:14	RMP
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 17:14	RMP
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 17:14	RMP
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 17:14	RMP
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 17:14	RMP
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 17:14	RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 17:14	RMP
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 17:14	RMP
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 17:14	RMP
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 17:14	RMP
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 17:14	RMP

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ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit
Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-004-021
Project: 20129464
Project ID: 10172007/KEC SEMIANNUAL
Site: None
Lab ID: 20926584
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 06-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 17:14	RMP
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 17:14	RMP
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 17:14	RMP
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 17:14	RMP
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 17:14	RMP
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 17:14	RMP
	m&p-Xylene	1	0.790	J	5.00	0.639		13-Oct-11 17:14	RMP
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 17:14	RMP

42 compound(s) reported

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-DUP-004
Project: 20129464
Project ID: 10172007/KEC SEMIANNUAL
Site: None
Lab ID: 20926586
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 06-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 17:34	RMP
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 17:34	RMP
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 17:34	RMP
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 17:34	RMP
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 17:34	RMP
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 17:34	RMP
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 17:34	RMP
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 17:34	RMP
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 17:34	RMP
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 17:34	RMP
67-66-3	Chloroform	1	0.910	J	5.00	0.334		13-Oct-11 17:34	RMP
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 17:34	RMP
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 17:34	RMP
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 17:34	RMP
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 17:34	RMP
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 17:34	RMP
75-34-3	1,1-Dichloroethane	1	2.63	J	5.00	0.336		13-Oct-11 17:34	RMP
107-06-2	1,2-Dichloroethane	1	2.77	J	5.00	0.525		13-Oct-11 17:34	RMP
75-35-4	1,1-Dichloroethene	1	65.0		5.00	0.443		13-Oct-11 17:34	RMP
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 17:34	RMP
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 17:34	RMP
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 17:34	RMP
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 17:34	RMP
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 17:34	RMP
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 17:34	RMP
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 17:34	RMP
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 17:34	RMP
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 17:34	RMP
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 17:34	RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 17:34	RMP
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 17:34	RMP
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 17:34	RMP
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 17:34	RMP
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 17:34	RMP

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ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-DUP-004
Project: 20129464
Project ID: 10172007/KEC SEMIANNUAL
Site: None
Lab ID: 20926586
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 06-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 17:34	RMP
71-55-6	1,1,1-Trichloroethane	1	0.970	J	5.00	0.458		13-Oct-11 17:34	RMP
79-00-5	1,1,2-Trichloroethane	1	7.81		5.00	0.312		13-Oct-11 17:34	RMP
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 17:34	RMP
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 17:34	RMP
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 17:34	RMP
	m&p-Xylene	1	0.860	J	5.00	0.639		13-Oct-11 17:34	RMP
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 17:34	RMP

42 compound(s) reported

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-010A-016
Project: 20129464
Project ID: 10172007/KEC SEMIANNUAL
Site: None
Lab ID: 20926587
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 06-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 17:55	RMP
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 17:55	RMP
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 17:55	RMP
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 17:55	RMP
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 17:55	RMP
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 17:55	RMP
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 17:55	RMP
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 17:55	RMP
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 17:55	RMP
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 17:55	RMP
67-66-3	Chloroform	1	1.02	J	5.00	0.334		13-Oct-11 17:55	RMP
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 17:55	RMP
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 17:55	RMP
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 17:55	RMP
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 17:55	RMP
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 17:55	RMP
75-34-3	1,1-Dichloroethane	1	2.55	J	5.00	0.336		13-Oct-11 17:55	RMP
107-06-2	1,2-Dichloroethane	1	2.86	J	5.00	0.525		13-Oct-11 17:55	RMP
75-35-4	1,1-Dichloroethene	1	65.5		5.00	0.443		13-Oct-11 17:55	RMP
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 17:55	RMP
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 17:55	RMP
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 17:55	RMP
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 17:55	RMP
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 17:55	RMP
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 17:55	RMP
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 17:55	RMP
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 17:55	RMP
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 17:55	RMP
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 17:55	RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 17:55	RMP
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 17:55	RMP
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 17:55	RMP
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 17:55	RMP
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 17:55	RMP

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MDL denotes method detection limit
Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-010A-016
Project: 20129464
Project ID: 10172007/KEC SEMIANNUAL
Site: None
Lab ID: 20926587
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 06-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 17:55	RMP
71-55-6	1,1,1-Trichloroethane	1	1.02	J	5.00	0.458		13-Oct-11 17:55	RMP
79-00-5	1,1,2-Trichloroethane	1	8.00		5.00	0.312		13-Oct-11 17:55	RMP
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 17:55	RMP
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 17:55	RMP
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 17:55	RMP
	m&p-Xylene	1	ND		5.00	0.639		13-Oct-11 17:55	RMP
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 17:55	RMP

42 compound(s) reported

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-010C-016
Project: 20129464
Project ID: 10172007/KEC SEMIANNUAL
Site: None
Lab ID: 20926592
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 06-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 18:16 RMP
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 18:16 RMP
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 18:16 RMP
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 18:16 RMP
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 18:16 RMP
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 18:16 RMP
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 18:16 RMP
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 18:16 RMP
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 18:16 RMP
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 18:16 RMP
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 18:16 RMP
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 18:16 RMP
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 18:16 RMP
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 18:16 RMP
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 18:16 RMP
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 18:16 RMP
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 18:16 RMP
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 18:16 RMP
75-35-4	1,1-Dichloroethene	1	ND		5.00	0.443		13-Oct-11 18:16 RMP
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 18:16 RMP
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 18:16 RMP
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 18:16 RMP
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 18:16 RMP
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 18:16 RMP
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 18:16 RMP
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 18:16 RMP
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 18:16 RMP
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 18:16 RMP
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 18:16 RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 18:16 RMP
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 18:16 RMP
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 18:16 RMP
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 18:16 RMP
127-18-4	Tetrachloroethene	1	0.690	J	5.00	0.251		13-Oct-11 18:16 RMP

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ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit
Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-010C-016
Project: 20129464
Project ID: 10172007/KEC SEMIANNUAL
Site: None
Lab ID: 20926592
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 06-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 18:16 RMP
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 18:16 RMP
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 18:16 RMP
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 18:16 RMP
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 18:16 RMP
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 18:16 RMP
	m&p-Xylene	1	ND		5.00	0.639		13-Oct-11 18:16 RMP
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 18:16 RMP

42 compound(s) reported

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-010B-016
Project: 20129464
Project ID: 10172007/KEC SEMIANNUAL
Site: None
Lab ID: 20926593
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 06-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 18:37 RMP
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 18:37 RMP
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 18:37 RMP
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 18:37 RMP
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 18:37 RMP
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 18:37 RMP
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 18:37 RMP
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 18:37 RMP
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 18:37 RMP
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 18:37 RMP
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 18:37 RMP
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 18:37 RMP
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 18:37 RMP
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 18:37 RMP
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 18:37 RMP
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 18:37 RMP
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 18:37 RMP
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 18:37 RMP
75-35-4	1,1-Dichloroethene	1	10.4		5.00	0.443		13-Oct-11 18:37 RMP
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 18:37 RMP
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 18:37 RMP
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 18:37 RMP
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 18:37 RMP
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 18:37 RMP
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 18:37 RMP
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 18:37 RMP
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 18:37 RMP
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 18:37 RMP
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 18:37 RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 18:37 RMP
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 18:37 RMP
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 18:37 RMP
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 18:37 RMP
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 18:37 RMP

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ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit
Limits are corrected for sample size, dilution and moisture content if applicable.
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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-010B-016
Project: 20129464
Project ID: 10172007/KEC SEMIANNUAL
Site: None
Lab ID: 20926593
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 06-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 18:37 RMP
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 18:37 RMP
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 18:37 RMP
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 18:37 RMP
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 18:37 RMP
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 18:37 RMP
	m&p-Xylene	1	ND		5.00	0.639		13-Oct-11 18:37 RMP
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 18:37 RMP

42 compound(s) reported

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-027-016
Project: 20129464
Project ID: 10172007/KEC SEMIANNUAL
Site: None
Lab ID: 20926598
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 06-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 18:58 RMP
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 18:58 RMP
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 18:58 RMP
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 18:58 RMP
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 18:58 RMP
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 18:58 RMP
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 18:58 RMP
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 18:58 RMP
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 18:58 RMP
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 18:58 RMP
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 18:58 RMP
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 18:58 RMP
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 18:58 RMP
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 18:58 RMP
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 18:58 RMP
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 18:58 RMP
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 18:58 RMP
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 18:58 RMP
75-35-4	1,1-Dichloroethene	1	ND		5.00	0.443		13-Oct-11 18:58 RMP
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 18:58 RMP
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 18:58 RMP
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 18:58 RMP
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 18:58 RMP
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 18:58 RMP
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 18:58 RMP
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 18:58 RMP
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 18:58 RMP
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 18:58 RMP
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 18:58 RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 18:58 RMP
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 18:58 RMP
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 18:58 RMP
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 18:58 RMP
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 18:58 RMP

Protocol 10/21/2011 10:49:18

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: KEP-GW-027-016
Project: 20129464
Project ID: 10172007/KEC SEMIANNUAL
Site: None
Lab ID: 20926598
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 06-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 18:58	RMP
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 18:58	RMP
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 18:58	RMP
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 18:58	RMP
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 18:58	RMP
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 18:58	RMP
	m&p-Xylene	1	ND		5.00	0.639		13-Oct-11 18:58	RMP
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 18:58	RMP

42 compound(s) reported

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: TRIP BLANK 0920-11-1
Project: 20129464
Project ID: 10172007/KEC SEMIANNUAL
Site: None
Lab ID: 20926601
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 06-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
67-64-1	Acetone	1	ND		10.0	1.95		13-Oct-11 19:19 RMP
71-43-2	Benzene	1	ND		5.00	0.350		13-Oct-11 19:19 RMP
75-27-4	Bromodichloromethane	1	ND		5.00	0.353		13-Oct-11 19:19 RMP
75-25-2	Bromoform	1	ND		5.00	0.367		13-Oct-11 19:19 RMP
74-83-9	Bromomethane	1	ND		5.00	1.12		13-Oct-11 19:19 RMP
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976		13-Oct-11 19:19 RMP
75-15-0	Carbon disulfide	1	ND		5.00	0.410		13-Oct-11 19:19 RMP
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452		13-Oct-11 19:19 RMP
108-90-7	Chlorobenzene	1	ND		5.00	0.227		13-Oct-11 19:19 RMP
75-00-3	Chloroethane	1	ND		5.00	1.03		13-Oct-11 19:19 RMP
67-66-3	Chloroform	1	ND		5.00	0.334		13-Oct-11 19:19 RMP
74-87-3	Chloromethane	1	ND		5.00	0.316		13-Oct-11 19:19 RMP
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55		13-Oct-11 19:19 RMP
124-48-1	Dibromochloromethane	1	ND		5.00	0.335		13-Oct-11 19:19 RMP
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462		13-Oct-11 19:19 RMP
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456		13-Oct-11 19:19 RMP
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336		13-Oct-11 19:19 RMP
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525		13-Oct-11 19:19 RMP
75-35-4	1,1-Dichloroethene	1	ND		5.00	0.443		13-Oct-11 19:19 RMP
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338		13-Oct-11 19:19 RMP
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446		13-Oct-11 19:19 RMP
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400		13-Oct-11 19:19 RMP
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326		13-Oct-11 19:19 RMP
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439		13-Oct-11 19:19 RMP
100-41-4	Ethylbenzene	1	ND		5.00	0.306		13-Oct-11 19:19 RMP
591-78-6	2-Hexanone	1	ND		10.0	0.557		13-Oct-11 19:19 RMP
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413		13-Oct-11 19:19 RMP
79-20-9	Methyl acetate	1	ND		10.0	0.979		13-Oct-11 19:19 RMP
75-09-2	Methylene chloride	1	ND		5.00	0.379		13-Oct-11 19:19 RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571		13-Oct-11 19:19 RMP
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303		13-Oct-11 19:19 RMP
100-42-5	Styrene	1	ND		5.00	0.354		13-Oct-11 19:19 RMP
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615		13-Oct-11 19:19 RMP
127-18-4	Tetrachloroethene	1	ND		5.00	0.251		13-Oct-11 19:19 RMP

Protocol 10/21/2011 10:49:18

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
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Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Minnesota

Client ID: TRIP BLANK 0920-11-1
Project: 20129464
Project ID: 10172007/KEC SEMIANNUAL
Site: None
Lab ID: 20926601
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 170316
Method: EPA 8260
GCMS VOAs Water
Collected: 06-Oct-11
Received: 12-Oct-11
Prepared: 13-Oct-11

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
108-88-3	Toluene	1	ND		5.00	0.434		13-Oct-11 19:19	RMP
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458		13-Oct-11 19:19	RMP
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312		13-Oct-11 19:19	RMP
79-01-6	Trichloroethene	1	ND		5.00	0.400		13-Oct-11 19:19	RMP
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873		13-Oct-11 19:19	RMP
75-01-4	Vinyl chloride	1	ND		5.00	0.331		13-Oct-11 19:19	RMP
	m&p-Xylene	1	ND		5.00	0.639		13-Oct-11 19:19	RMP
95-47-6	o-Xylene	1	ND		5.00	0.241		13-Oct-11 19:19	RMP

42 compound(s) reported

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Surrogate Recovery

Batch: 170316 **Project:** 20129464

Method: Water GC/MS Volatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20926778	170316 BLANK 1		102	110	100					
20926779	170316 LCS 1		97	98	99					
20926586	KEP-DUP-004		99	104	99					
20926584	KEP-GW-004-021		102	104	100					
20926583	KEP-GW-005-018		100	103	100					
20926587	KEP-GW-010A-016		100	107	103					
20926593	KEP-GW-010B-016		105	105	102					
20926592	KEP-GW-010C-016		99	104	100					
20926780	KEP-GW-016-016 MS 1		99	99	100					
20926781	KEP-GW-016-016 MSD 1		97	93	96					
20926598	KEP-GW-027-016		103	106	101					
20926601	TRIP BLANK 0920-11-1		102	107	101					
	QC limits:		68-124	72-126	79-119					

Sur 1: 4-Bromofluorobenzene (S)
Sur 2: Dibromofluoromethane (S)
Sur 3: Toluene-d8 (S)

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 170316 **Project:** 20129464 **LCS:** 20926779 13-Oct-11 11:37

Method: Water GC/MS Volatile Organics **MS:** 20926780 13-Oct-11 12:19

Units: ug/L **MSD:** 20926781 13-Oct-11 12:39

Original for MS: Batch Sample 20926637

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Acetone	50.0	44.8	90	50.0	2.19	48.6	44.9	93	85	8	10-195	10-204	20	
Benzene	50.0	45.6	91	50.0		47.1	47.9	94	96	2	66-132	58-140	20	
Bromodichloromethane	50.0	48.9	98	50.0		51.2	51.7	102	103	1	67-132	63-137	20	
Bromoform	50.0	58.9	118	50.0		60.1	62.1	120	124	3	53-152	49-156	20	
Bromomethane	50.0	46.6	93	50.0		49.7	49.7	99	99	0	47-150	43-152	20	
2-Butanone (MEK)	50.0	48.6	97	50.0		50.6	49.6	101	99	2	16-167	11-180	20	
Carbon disulfide	50.0	42.7	86	50.0		45.0	44.8	90	90	0	18-173	10-184	20	
Carbon tetrachloride	50.0	51.5	103	50.0		53.5	53.1	107	106	1	55-143	50-148	20	
Chlorobenzene	50.0	53.3	107	50.0		54.0	54.7	108	109	1	71-131	69-136	20	
Chloroethane	50.0	48.8	98	50.0		51.5	50.4	103	101	2	31-192	20-193	20	
Chloroform	50.0	49.6	99	50.0		50.6	51.3	101	103	1	69-134	65-140	20	
Chloromethane	50.0	37.9	76	50.0		39.3	39.3	79	79	0	29-157	27-160	20	
1,2-Dibromo-3-chloropropane	50.0	48.0	96	50.0		51.1	50.9	102	102	0	37-151	34-159	20	
Dibromochloromethane	50.0	56.1	112	50.0		58.0	58.6	116	117	1	61-138	59-143	20	
1,2-Dibromoethane (EDB)	50.0	51.7	103	50.0		55.0	56.5	110	113	3	60-145	59-149	20	
1,1-Dichloroethane	50.0	44.1	88	50.0		46.5	46.5	93	93	0	62-137	59-143	20	
1,2-Dichloroethane	50.0	47.0	94	50.0		49.4	50.4	99	101	2	59-145	58-151	20	
1,1-Dichloroethene	50.0	46.5	93	50.0		48.7	49.0	97	98	1	46-156	32-169	20	
cis-1,2-Dichloroethene	50.0	47.4	95	50.0		49.6	49.6	99	99	0	64-131	61-138	20	
trans-1,2-Dichloroethene	50.0	45.6	91	50.0		47.6	47.0	95	94	1	55-138	51-145	20	
1,2-Dichloropropane	50.0	43.3	87	50.0		45.3	45.7	91	92	1	65-130	63-134	20	
cis-1,3-Dichloropropene	50.0	47.8	96	50.0		47.4	48.8	95	98	3	63-137	59-139	20	
trans-1,3-Dichloropropene	50.0	49.9	100	50.0		52.0	53.7	104	107	3	61-143	57-149	20	
Ethylbenzene	50.0	51.4	103	50.0		52.3	52.9	105	106	1	71-130	65-136	20	
2-Hexanone	50.0	42.6	85	50.0		47.1	47.4	94	95	1	25-156	21-165	20	
Isopropylbenzene (Cumene)	50.0	51.1	102	50.0		53.4	53.3	107	107	0	58-142	55-146	20	
Methylene chloride	50.0	49.0	98	50.0		48.7	48.8	97	98	0	39-172	33-167	20	
4-Methyl-2-pentanone (MIBK	50.0	49.9	100	50.0		52.3	51.7	105	103	1	43-159	39-167	20	
Methyl-tert-butyl ether	50.0	52.8	106	50.0		55.7	55.7	111	111	0	49-157	45-168	20	
Styrene	50.0	56.0	112	50.0		56.1	57.3	112	115	2	72-134	62-141	20	
1,1,2,2-Tetrachloroethane	50.0	44.4	89	50.0		48.6	48.0	97	96	1	40-157	35-164	20	
Tetrachloroethene	50.0	57.1	114	50.0		57.8	57.0	116	114	1	55-156	44-162	20	
Toluene	50.0	47.6	95	50.0		49.2	49.8	98	100	1	68-131	60-137	20	
1,1,1-Trichloroethane	50.0	49.3	99	50.0		52.2	52.0	104	104	0	63-133	58-139	20	
1,1,2-Trichloroethane	50.0	50.5	101	50.0		53.4	53.7	107	108	1	64-135	61-140	20	
Trichloroethene	50.0	51.2	102	50.0		53.3	54.1	107	108	2	68-134	58-145	20	
Trichlorofluoromethane	50.0	53.5	107	50.0		58.2	57.5	117	115	1	39-185	15-192	20	
Vinyl chloride	50.0	44.8	90	50.0		47.0	46.3	94	93	2	40-152	32-157	20	
m&p-Xylene	100.	103.	103	100.	1.02	104.	105.	103	104	1	68-134	62-139	20	
o-Xylene	50.0	51.4	103	50.0		51.5	53.2	103	106	3	67-131	61-137	20	

40 compound(s) reported

QC Protocol 10/21/2011 10:49:21

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 170316 BLANK 1 **Project:** 20129464

Lab ID: 20926778

Prep Level: Water **Batch:** 170316

Method: Water GC/MS Volatile Organics

Prepared: 13-Oct-11

Units: ug/L

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis	
67-64-1	Acetone	1	ND		10.0	1.95	13-Oct-11 11:16	RMP
71-43-2	Benzene	1	ND		5.00	0.350	13-Oct-11 11:16	RMP
75-27-4	Bromodichloromethane	1	ND		5.00	0.353	13-Oct-11 11:16	RMP
75-25-2	Bromoform	1	ND		5.00	0.367	13-Oct-11 11:16	RMP
74-83-9	Bromomethane	1	ND		5.00	1.12	13-Oct-11 11:16	RMP
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976	13-Oct-11 11:16	RMP
75-15-0	Carbon disulfide	1	ND		5.00	0.410	13-Oct-11 11:16	RMP
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452	13-Oct-11 11:16	RMP
108-90-7	Chlorobenzene	1	ND		5.00	0.227	13-Oct-11 11:16	RMP
75-00-3	Chloroethane	1	ND		5.00	1.03	13-Oct-11 11:16	RMP
67-66-3	Chloroform	1	ND		5.00	0.334	13-Oct-11 11:16	RMP
74-87-3	Chloromethane	1	ND		5.00	0.316	13-Oct-11 11:16	RMP
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55	13-Oct-11 11:16	RMP
124-48-1	Dibromochloromethane	1	ND		5.00	0.335	13-Oct-11 11:16	RMP
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462	13-Oct-11 11:16	RMP
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456	13-Oct-11 11:16	RMP
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336	13-Oct-11 11:16	RMP
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525	13-Oct-11 11:16	RMP
75-35-4	1,1-Dichloroethene	1	ND		5.00	0.443	13-Oct-11 11:16	RMP
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338	13-Oct-11 11:16	RMP
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446	13-Oct-11 11:16	RMP
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400	13-Oct-11 11:16	RMP
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326	13-Oct-11 11:16	RMP
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439	13-Oct-11 11:16	RMP
100-41-4	Ethylbenzene	1	ND		5.00	0.306	13-Oct-11 11:16	RMP
591-78-6	2-Hexanone	1	ND		10.0	0.557	13-Oct-11 11:16	RMP
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413	13-Oct-11 11:16	RMP
79-20-9	Methyl acetate	1	ND		10.0	0.979	13-Oct-11 11:16	RMP
75-09-2	Methylene chloride	1	ND		5.00	0.379	13-Oct-11 11:16	RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571	13-Oct-11 11:16	RMP
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303	13-Oct-11 11:16	RMP
100-42-5	Styrene	1	ND		5.00	0.354	13-Oct-11 11:16	RMP
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615	13-Oct-11 11:16	RMP
127-18-4	Tetrachloroethene	1	ND		5.00	0.251	13-Oct-11 11:16	RMP

Protocol Blank 10/21/2011 10:49:

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 170316 BLANK 1 **Project:** 20129464

Lab ID: 20926778

Prep Level: Water **Batch:** 170316

Method: Water GC/MS Volatile Organics

Prepared: 13-Oct-11

Units: ug/L

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis
108-88-3	Toluene	1	ND		5.00	0.434	13-Oct-11 11:16 RMP
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458	13-Oct-11 11:16 RMP
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312	13-Oct-11 11:16 RMP
79-01-6	Trichloroethene	1	ND		5.00	0.400	13-Oct-11 11:16 RMP
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873	13-Oct-11 11:16 RMP
75-01-4	Vinyl chloride	1	ND		5.00	0.331	13-Oct-11 11:16 RMP
	m&p-Xylene	1	0.700	J	5.00	0.639	13-Oct-11 11:16 RMP
95-47-6	o-Xylene	1	ND		5.00	0.241	13-Oct-11 11:16 RMP

42 compound(s) reported

Protocol Blank 10/21/2011 10:49:

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20129464

Value	Description
J	This estimated value for the analyte is below the adjusted reporting limit but above the instrument reporting limit.
U	The analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
B	This analyte was detected in the method blank.
E	The sample concentration is above the linear calibrated range of the analysis.
LCS	Laboratory Control Sample.
MS(D)	Matrix Spike (Duplicate).
DUP	Sample Duplicate.
RPD	Relative Percent Difference.

Pace Analytical Services, In
1000 Riverbend Blvd. Suite F
St. Rose, LA 7008
(504) 469-033

Chains of Custody

20129464 PASI-MINN

Chain of

Pace Analytical®
www.pacelabs.com

20129464

Workorder: 10172007 **Workorder Name:** KEC Semiannual Sampling **Owner Received Date:** 10/8/2011 **Results Requested By:** 10/21/2011

Report To	Subcontract To
Michelle Hubbling Pace Analytical Services, Inc. 1700 Elm Street, Suite 200 Minneapolis, MN 55414 Phone (612)607-1700 Fax (612)607-6444	Pace Analytical New Orleans 1000 Riverbend Blvd Suite F St. Rose, LA 70087 Phone (504)469-0333

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers HCL	Requested Analysis: 8260 Standard List	LAB USE ONLY
1	KEP-GW-005-018	PS	10/6/2011 14:15	10172007001	Water	1	X	20926583
2	KEP-GW-004-021	PS	10/6/2011 16:25	10172007002	Water	1	X	584
3	KEP-Dup-004	PS	10/6/2011 12:00	10172007003	Water	1	X	586
4	KEP-GW-010A-016	PS	10/6/2011 17:30	10172007004	Water	1	X	587
5	KEP-GW-010C-016	PS	10/6/2011 18:45	10172007005	Water	1	X	592
6	KEP-GW-010B-016	PS	10/6/2011 18:45	10172007006	Water	2	X	593
7	KEP-GW-027-016	PS	10/6/2011 15:00	10172007007	Water	1	X	598
8	Trip Blank 092011-1	PS	10/6/2011 12:00	10172007008	Water	1	X	601

Transfers	Released By	Date/Time	Received By	Date/Time
1				
2	FedEx	10-12-11 1200		10-12-11
3				

Comments: 2cc

Cooler Temperature on Receipt 2.0 °C | Custody Seal (Y) or N | Received on Ice (Y) or N | Samples Intact (Y) or N

Pace Analytical

1000 Riverbend. Blvd., Suite F
St. Rose, LA 70087

Sample Conc

201:9464 PASI-MINN

Courier: ☐ Pace Courier ☐ Hackbarth ☑ Fed X ☐ UPS ☐ DHL ☐ USPS ☐ Customer ☐ Other

Custody Seal on Cooler/Box Present: [see COC] **Custody Seals Intact:** ☑Yes ☐No

Therometer Used: ☑ Therm Fisher IR 1 ☐ Therm Fisher IR 2 ☐ Therm Fisher IR 4

Type of Ice: (Wet) Blue None Samples on ice: [see COC]

Cooler Temperature: [see COC] Temp should be above freezing to 6°C

Date and Initials of person examining contents: 10-12-11

Temp must be measured from Temperature blank when present

			Comments:
Temperature Blank Present"?	☑Yes ☐No ☐N/A	1	
Chain of Custody Present:	☑Yes ☐No ☐N/A	2	
Chain of Custody Complete:	☑Yes ☐No ☐N/A	3	
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	4	
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	5	
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	6	
Sufficient Volume:	☑Yes ☐No ☐N/A	7	
Correct Containers Used:	☑Yes ☐No ☐N/A	8	
Filtered vol. Rec. for Diss. tests	☐Yes ☐No ☐N/A	9	
Sample Labels match COC:	☐Yes ☐No ☐N/A	10	
All containers received within manafacture's precautionary and/or expiration dates.	☐Yes ☐No ☐N/A	11	
All containers needing preservation have been checked (except VOA, coliform, & O&G).	☐Yes ☐No ☐N/A	12	
All containers preservation checked found to be in compliance with EPA recommendation.	☐Yes ☐No ☐N/A	13	If No, was preserative added? ☐Yes ☐No If added record lot no.: HNO3 _____ H2SO4 _____
Samples checked for dechlorination:	☐Yes ☐No ☐N/A	14	
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☐N/A	14	
Trip Blank Present:	☑Yes ☐No ☐N/A	16	
Trip Blank Custody Seals Present	☐Yes ☐No ☐N/A	17	
Pace Trip Blank Lot # (if purchased): N/A		18	

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

ALLC003rev.06, 28Jul2010 - mod

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

1133 10/7/2011

Page: 1 of 1

1430043

Section A Required Client Information:

Company: EMS
Address: P.O. Box 15369
HATTIESBURG, MS 39402
Email To: clyde@env-mgt.com
Phone: 601-544-3674 Fax: 601-544-0501
Requested Due Date/TAT: STANDARD

Section B Required Project Information:

Report To: CLYDE WOODWARD
Copy To: ETHAN ALLEN
Purchase Order No.:
Project Name: KEP SEMIANNUAL SAMPLING
Project Number:

Section C Invoice Information:

Attention: BRYAN SHEFFMAN
Company Name: EMS
Address: P.O. Box 15369 HATTIESBURG
Pace Quote Reference: EMS 09210
Pace Project Manager: MICHELLE HUBBLING
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☒ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: MS

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: VOC	Analysis Test: 1,4-DIOXANE	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	KEP-GW-005-018	WT	G			10/6/11	1415		3				X					Y	X	X		001
2	KEP-GW-004-021	WT	G			10/6/11	1625	25	3				X					Y	X	X		002
3	KEP-DUP-004	WT	G			10/6/11	1200		3				X					Y	X	X		003
4	KEP-GW-010A-016	WT	G			10/6/11	1730	23	3				X					Y	X	X		004
5	KEP-GW-010C-016	WT	G			10/6/11	1845	24	3				X					Y	X	X		005
6	KEP-GW-010D3-016	WT	G			10/6/11	1845	23	6				X					Y	X	X		006
7	KEP-GW-027-016	WT	G			10/6/11	1500		3				X					Y	X	X		007
8	TRIP BLANK 092011-1	WT	G			10/6/11	1200		2				X					Y	X			008
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature] / EMS	10/7/11	1200	[signature] / Pace	10/8/11	11:30	1.2	Y	Y	Y

Paul Martin Paul Martin ORIGINAL 10/6/11
Alan Niven Alan Niven 10/6/11

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: ETHAN ALLEN
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 10/06/11

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical®	Document Name: Sample Condition Upon Receipt Form	Revised Date: 02Jun2011 Page 1 of 1
	Document Number: F-L-213 Rev.01	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: EMS Project # 10172007

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 877116102982

Optional: Proj. Due Date: Proj. Name:

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals intact: ☑ yes ☐ no

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____ Temp Blank: Yes ✓ No _____

Thermometer Used: 80344042 or 80512447 Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature: 1.2 Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 10/8/11 LC

Temp should be above freezing to 6°C

Comments:

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: WT	☑Yes ☐No ☐N/A	12.
All containers needing acid/base preservation have been checked. Noncompliance are noted in 13.	☐Yes ☐No ☑N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ HCl Samp #
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
Exceptions: VOA,Coliform, TOC, Oil and Grease, Wi-DRO (water)	☑Yes ☐No	Initial when completed: LC Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☑Yes ☐No ☐N/A	16.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): DS2211-13		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: 10/10/11

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)