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FINAL QUARTERLY GROUNDWATER MONITORING REPORT FOR SITE 11 APRIL - JUNE 2002 NSB KINGS BAY GA

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J A JONES MANAGEMENT SERVICES

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Quarterly – Groundwater Monitoring Report

April 2002 – June 2002
FINAL

for
Naval Submarine Base
Kings Bay, Georgia

Prepared for:
Naval Submarine Base
Kings Bay, Georgia
Facilities and Environmental Directorate

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QUARTERLY GROUNDWATER MONITORING REPORT
APRIL 2002 – JUNE 2002

FINAL

SITE 11, OLD CAMDEN COUNTY LANDFILL
NAVAL SUBMARINE BASE KINGS BAY, GEORGIA

Prepared for:

NAVAL SUBMARINE BASE
KINGS BAY, GEORGIA
FACILITIES AND ENVIRONMENTAL DIRECTORATE

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The work described and professional opinions rendered in this document, Quarterly *Groundwater Monitoring Report, April 2002 – June 2002, Site 11, Old Camden County Landfill, Naval Submarine Base Kings Bay, Georgia* were conducted and developed using commonly accepted procedures consistent with applicable standards of practice. The scope of services and activities described in this document were developed under the supervision of a professional engineer registered in the State of Georgia.

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Professional Engineer
State of Georgia License No. 026167
Expires December 31, 2002

The work described and professional opinions rendered in this document, Quarterly *Groundwater Monitoring Report, April 2002 – June 2002, Site 11, Old Camden County Landfill, Naval Submarine Base Kings Bay, Georgia* were conducted and developed using commonly accepted procedures consistent with applicable standards of practice. The scope of services and activities described in this document were developed under the supervision of a professional engineer registered in the State of Georgia.

GEORGIA REGISTERED NO. 026167 PROFESSIONAL ENGINEER KIMBERLEY C. OWENS

6/18/02

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ACRONYMS

JAJMS	J.A. Jones Management Services
Bechtel	Bechtel Environmental, Inc.
FID	flame ionization detector
NSB	Naval Submarine Base
PID	photoionization detector

UNITS OF MEASURE

Ft	Foot
Gal	Gallon
ID	inner diameter
In.	Inch
MSL	mean sea level
OD	outer diameter
Ug/L	micrograms per liter
Ppm	parts per million

1.0 INTRODUCTION

J.A. Jones Management Services (JAJMS) has been contracted by the Department of the Navy, Submarine Base Kings Bay to provide ground water monitoring at Site 11, Old Camden County Landfill at the Naval Submarine Base (NSB) Kings Bay.

This Quarterly Groundwater Monitoring Report summarizes the quarterly monitoring activities from April 2002 to June 2002. The report presents a summary of 1) the quarterly groundwater monitoring and 2) projected work for the next three months.

2.0 SUMMARY OF ACTIVITIES

Quarterly groundwater sampling was conducted by JAJMS on May 6-7, 2002. Activities included well inspections, well measurements, and groundwater sampling and analysis.

Weather conditions during the sampling event May 6-7, 2002 were hot and dry with temperatures from the low 70's in the morning to the high 90's in the afternoon. There was no significant rainfall in the week preceding the May 6-7, 2002 sampling event. For the month of April 2002 preceding the May sampling event, a total of 2.22 inches of rainfall occurred. A site map is provided as Figure 1.

Well Inspections – All wells were inspected for aboveground damage or well deterioration. Generally, all wells were structurally sound with no aboveground damage. KBA-11-02 should be redeveloped because the measured depth of the well has decreased since its construction; however, the depth has stabilized over the past year.

Well Measurements – Well measurements included headspace readings, depth to water, and the total depth measurements. Headspace readings were collected using a Photovac model 2020 PID organic vapor meter.

Water levels and well depth measurements were collected during the sampling event using an electronic water level indicator. Measurements were made from a surveyed reference point located at the top of the well casing. Measurements are to 0.01 feet. Measurement readings were collected two to three times over an eight-hour period on May 6, 2002. Stabilization of static water level occurs when two consecutive readings are within 0.01 feet of the previous reading. Barometric pressure, relative humidity and ambient air temperatures were collected during each static water level measurement. All water level measurements were obtained prior to sampling the first well thus avoiding interference problems.

Groundwater Sampling and Analysis – Groundwater samples were generally collected from wells in order of least contaminated to most contaminated. Groundwater samples were collected using the low-flow (minimal draw down) method. Prior to purging, the intake of a dedicated piece of Teflon™ tubing (3/16-in. OD by ¼-in. ID) was positioned near the center of the well

screen. Groundwater was then purged through the tube using a peristaltic pump, Geotech Model Geopump 2. Water quality parameters measured while purging included temperature, pH, conductivity, oxygen-reduction potential, turbidity, and dissolved oxygen. Once these parameters stabilized within 10 percent, a sample was collected and containerized for chemical analysis. Samples for Groundwater Protection Standard analyses were collected by stopping the pump, removing the tubing from the well, reversing the flow of the pump, and gently filling the container.

3.0 DATA PRESENTATION

This section provides a summation and tabulation of all field measurements and analytical results associated with the groundwater monitoring program. Field measurements include headspace readings, monitoring well measurements, and well purge data. All samples were analyzed by Columbia Analytical Laboratory.

3.1 Headspace Readings

Headspace readings were measured using a photovac model 2020 PID Organic vapor meter. The Photovac is calibrated before use. PID measurements ranged from 0 ppm to 43.7 ppm. The highest reading of 43.7 ppm was observed at well KBA-11-16. Table 1 presents a summary of headspace readings.

3.2 Well Measurements

Depth to water ranged from 2.73 feet below the top of the well casing (20.34 feet MSL) to 13.38 feet below the top of the casing (21.48 feet MSL). Barometric pressure ranged from 30.18 inches in the morning to 30.21 inches in the late afternoon. Ambient temperature ranged from 83.3°F at the start of well measurements to 95.0°F at the conclusion of well measurements. Ground water flow continues to the northwest. Table 2 provides a summary of data collected during the well measurement evolution. Figure 2 shows the general direction of the groundwater flow.

Recovery wells RW-6, RW-7, RW-8 were abandoned and closed during the week of October 24 to November 2, 2001.

3.3 Well Purging Parameters

Water quality parameters temperature, pH, conductivity, dissolved oxygen, turbidity and oxygen reduction potential were measured using Horiba U-22. Each instrument is calibrated daily per manufacturer's instructions. These parameters generally stabilized after 6 to 8 gallons of ground water was purged from the well. Table 3 provides a summary of the stabilized parameters at the time of sample collection.

A summary of the well purging and sampling records for the May 2002 sampling event is included in Appendix A.

3.4 Analytical Results

Six (6) wells were sampled and analyzed for Groundwater Protection Standard constituents EPA method 8260B on May 7-8, 2002. All samples were submitted to Columbia Analytical Laboratories. Table 4 shows a summary of the results for the Groundwater Protection Standards.

Naphthalene, Cobalt and Nickel was added to the Groundwater Protection Standard list this quarter. Table 2-5 of the Groundwater Monitoring Plan will be modified.

The complete analytical report for this quarterly sampling is provided in Appendix B. The complete set of subdivision sampling and analysis data is not included in this report.

Groundwater Protection Standard Analysis - Five (5) (KBA-11-13A, KBA-11-16, KBA-11-34, KBA-11-37 and PS-2) of the six (6) wells sampled and submitted for Groundwater Protection Standard analysis exceeded one or more of the constituent standards.
The following exceedances were observed:

- Trichloroethene (17 ug/L), Chlorobenzene (2.2 ug/L) and Naphthalene (29 ug/L) were exceeded in KBA-11-13A.
- 1,1-Dichloroethane (37 ug/L) was exceeded in KBA-11-16.
- Tetrachloroethene (75 ug/L) was exceeded in KBA-11-34.
- Chlorobenzene (5.6 ug/L) was exceeded in KBA-11-37.
- Vinyl Chloride (3.0 ug/L), 1,1-Dichloroethane (3.6 ug/L), Chlorobenzene (1.8 ug/L) and Cis-1, 2 – Dichlorethene (120 ug/L) were exceeded in PS-2.

Chlorinated hydrocarbons Tetrachloroethene and its degradation constituents Trichloroethene, Cis-1, 2 – Dichlorethane and Vinyl Chloride continue to exceed the Groundwater Protection Standards at Site 11.

During this sampling period, cobalt and nickel were analyzed for the first time. Cobalt (0.40 ug/l) and nickel (0.58 ug/L) were detected at higher concentrations at KBA-11-13A than at the other wells.

Tetrachloroethene (75 ug/L) continues to exceed the Groundwater Protection Standard at source area well KBA-11-34.

Immediately downgradient to the source area at well KBA-11-13A, Trichloroethene (17 ug/L) and Chlorobenzene (2.2 ug/L) remain above the Standards (Figures 3 and 4). Naphthalene (29 ug/L) was detected above the standard. There was insignificant change in these concentrations from the previous quarter.

Piezometer PS-2 continues to show detectable levels of chlorinated and volatile compounds and exceeds the standard for 1,1-Dichloroethane, Vinyl Chloride, Chlorobenzene and Cis-1, 2-Dichloroethene.

Offsite well KBA-11-37 continues to show detectable levels of both chlorinated and volatile compounds with only Chlorobenzene exceeding the standards. The Chlorobenzene concentration

showed little change from the previous quarter. However, total chlorinated ethene concentrations have decreased from previous quarters.

Offsite well KBA-11-16 shows 1,1-Dichloroethane as still exceeding the standard with little change from the previous quarter.

Subdivision Irrigation Wells – Three irrigation wells are sampled each month in the Crooked River Plantation Subdivision. The irrigation wells sampled are at 102 Plantation Ct., 122 Plantation Ct., and 108 Cottage Ct. 122 Plantation Ct. was not sampled in May, 2002 because the well pump was not operational. 108 Cottage Ct. was not sampled in March, 2002 because the occupant was out of town for a month. The analytical data from September 2001 to May 2002 is summarized in Table 5.

3.5 QUANTITY OF CHLORINATED HYDROCARBONS REMOVED

The groundwater recovery and treatment system has been removed, therefore the quantity of hydrocarbons removed was not calculated.

4.0 DATA ASSESSMENT

4.1 Observations

(1) With the exception of KBA-11-02, which may require redevelopment, the wells are in good condition and are functioning adequately for evaluating the hydrologic conditions and groundwater quality at Site 11 and the Crooked River Plantation Subdivision downgradient of the site.

(2) Well measurements were collected over an eight-hour period to minimize effects of barometric pressure changes.

(3) Source area well KBA-11-34 continues to show high concentrations of Tetrachlorethene which is the only constituent exceeding the Groundwater Protection Standards at this well. Downgradient well KBA-11-13A has three constituents which exceed the standards. Downgradient and offsite well KBA-11-37 has one constituent which exceeds the Standards. Downgradient and off site well KBA-11-16 has one constituent which exceeds the Standards.

(4) Piezometer PS-2 has the highest concentration of dissolved VOCs with four constituents exceeding the Standards

(5) Naphthalene was recently added to the Groundwater Protection Standards List. Naphthalene was detected above the Standard of 20 ug/L at well KBA-11-13A.

(6) The irrigation well at 122 Plantation Court continues to show detectable levels of Vinyl Chloride at concentrations greater than the Standards.

4.2 Recommendations

Continue quarterly groundwater monitoring as scheduled in the Groundwater Monitoring Plan with the exception of KBA-11-02 which will be changed to annual monitoring.

5.0 PROJECTED WORK FOR THE NEXT REPORTING PERIOD

JAJMS will continue quarterly monitoring in accordance with the RCRA Permit. The next quarterly monitoring period is scheduled for August 2002.

6.0 REFERENCES

Semi-Annual Corrective Action Groundwater Monitoring Report , October 2001 to March 2002. Site 11, Old Camden County Landfill, Naval Submarine Base Kings Bay, Georgia (J.A Jones, 2002).

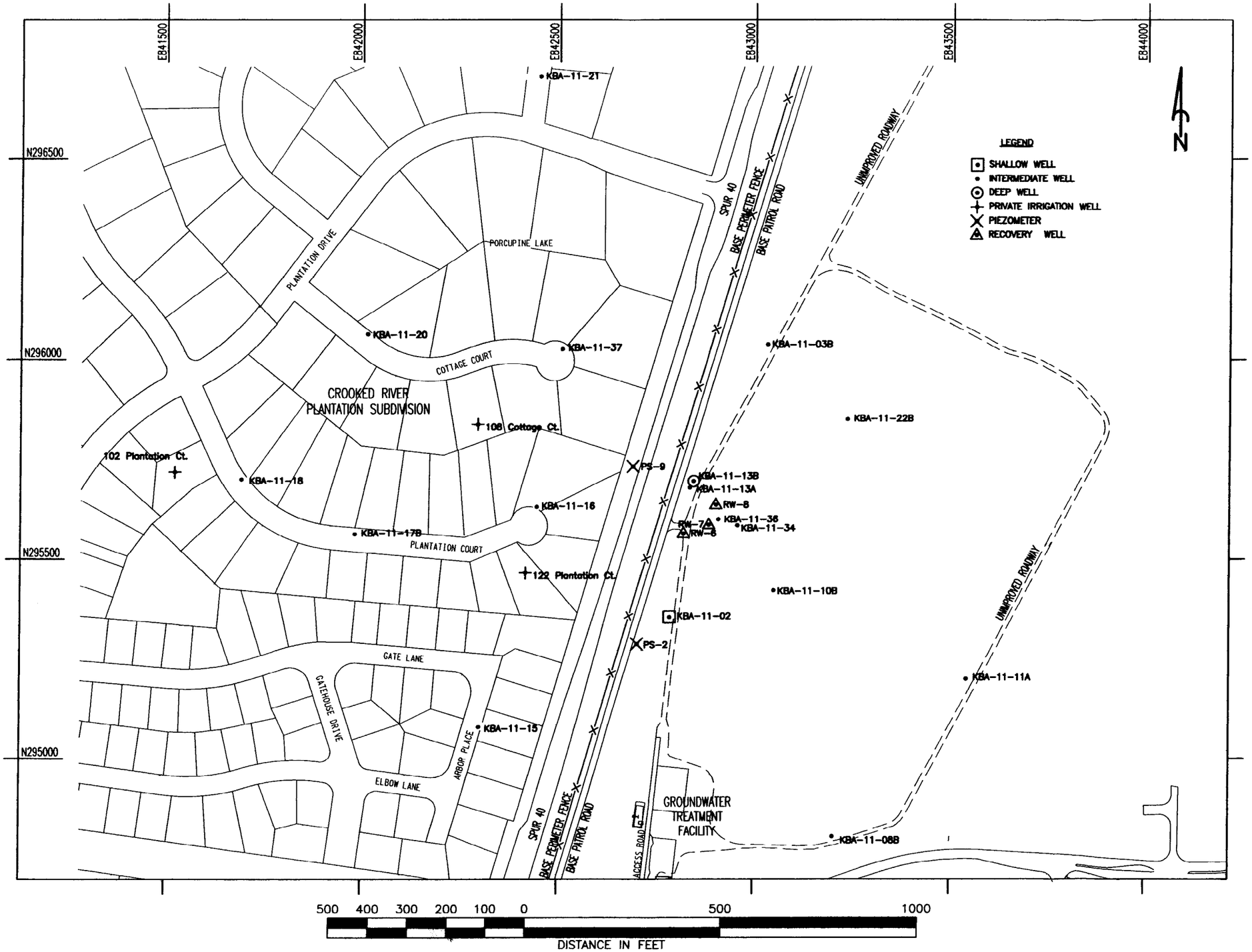

FIGURE 1: Site 11, Site Map

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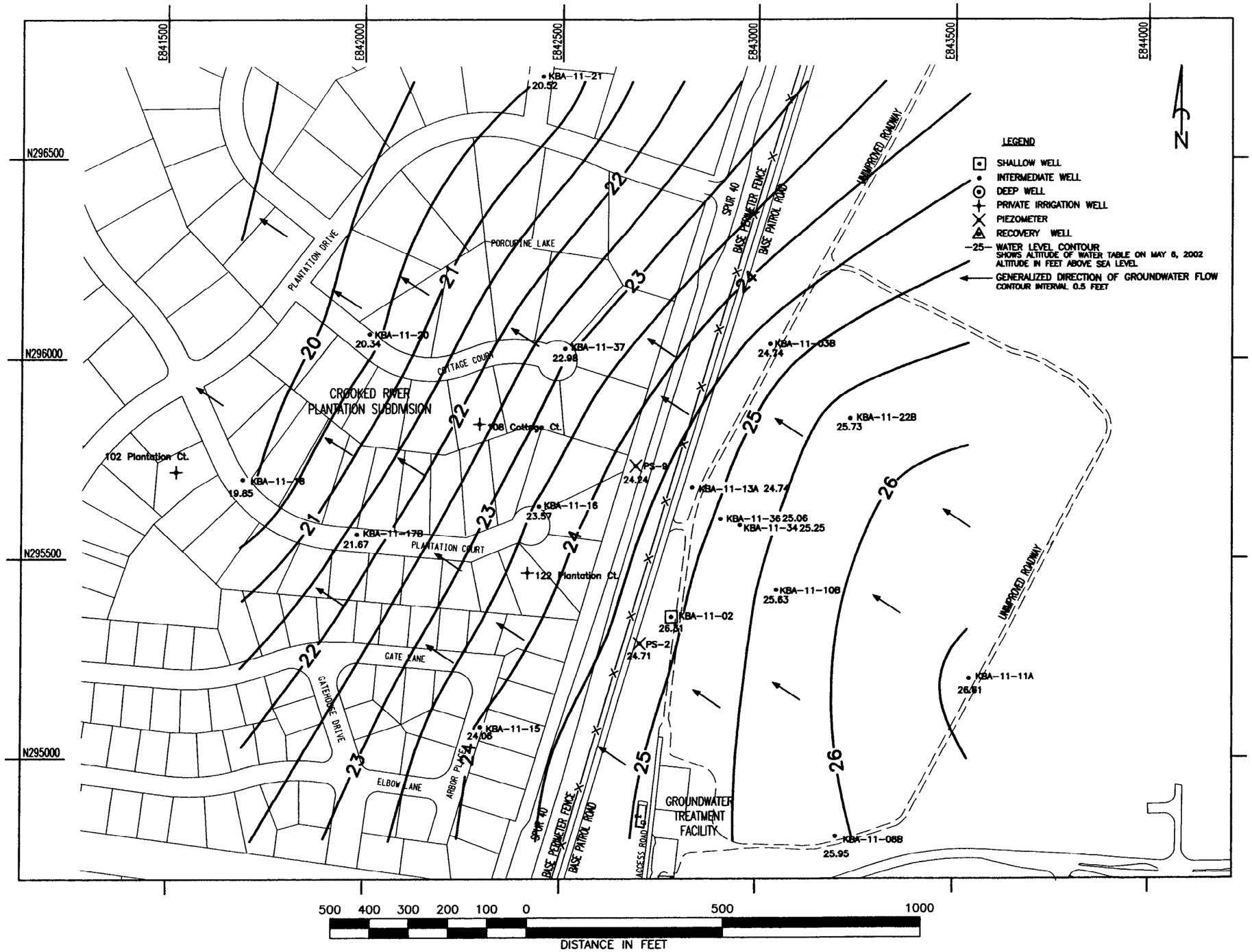


Groundwater Elevation Map–May 2002 Contour Interval=0.5 ft

FIGURE 2: Site 11, Groundwater Elevation Map–May 2002

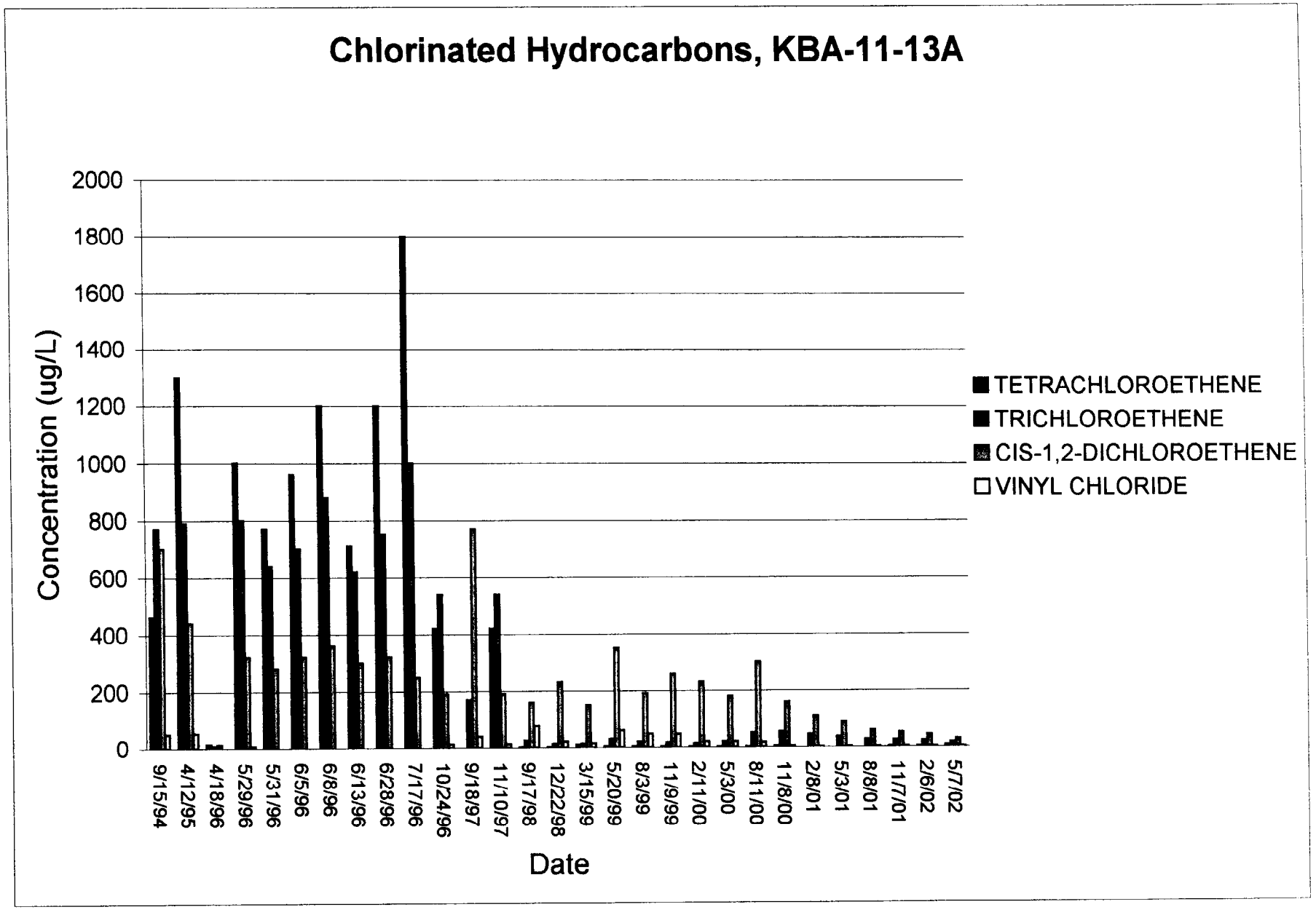
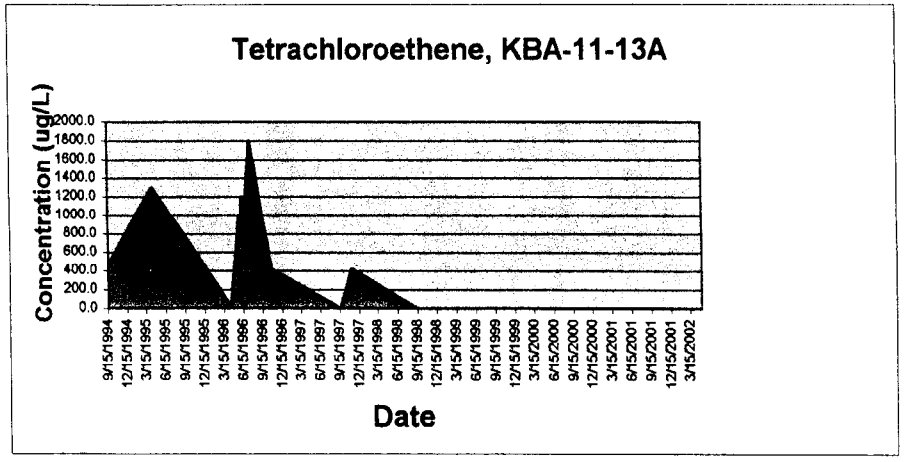
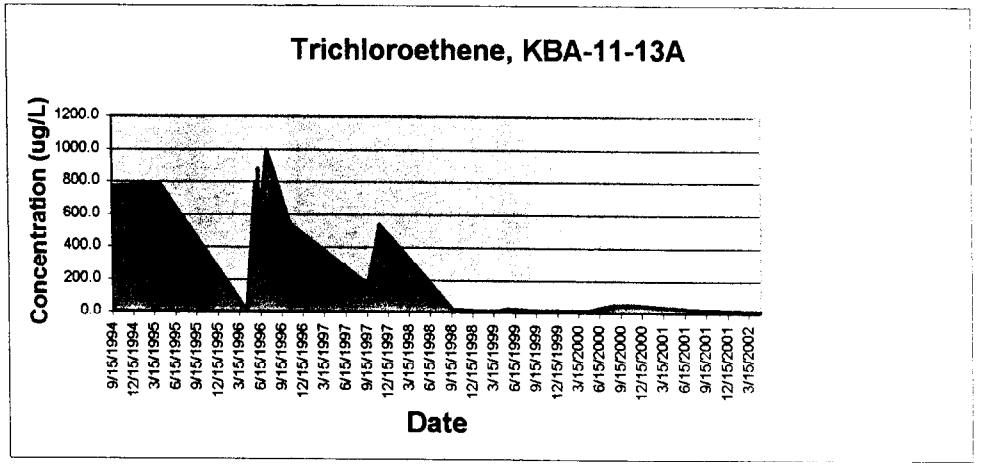
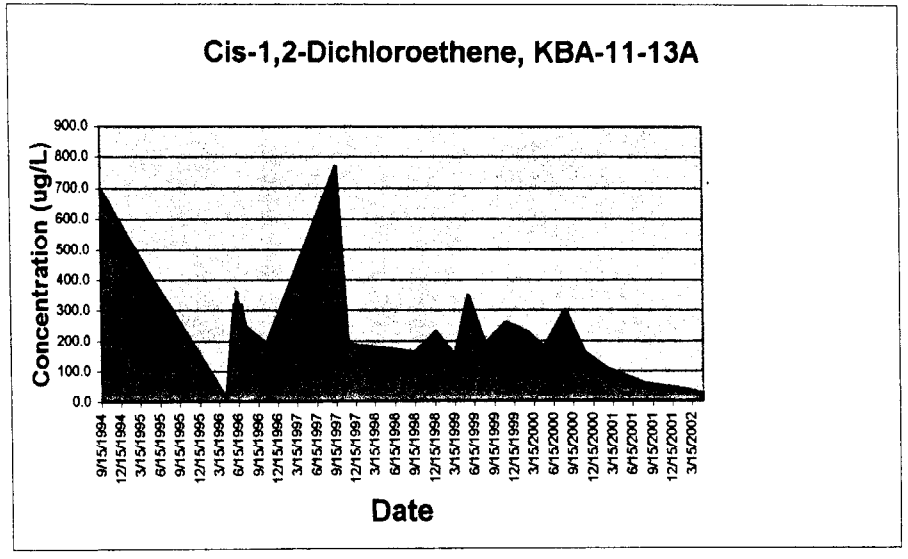


FIGURE 3 - CHLORINATED HYDROCARBONS, KBA-11-13A







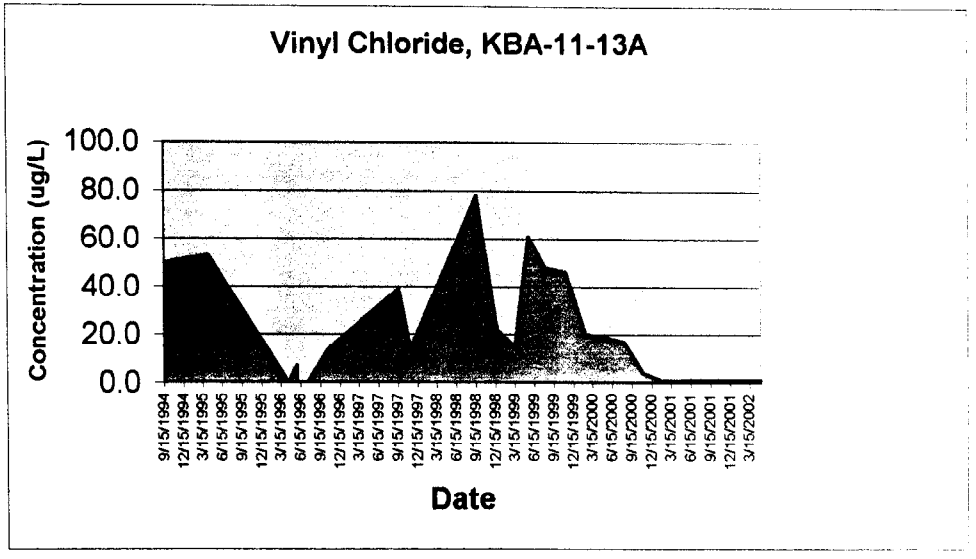


FIGURE 4 - CHLORINATED HYDROCARBON TRENDS, WELL KBA-11-13A

Table 1
Headspace Readings

Well Identification (coordinates)	Date	PID Measurement (ppm)	Barometer Pressure (Inches of Hg)	Temperature (F°)
KBA-11-02	5-6-02	0.0	30.18	95.0
(N295339.68)	2-5-02	0.0	30.33	63.5
(E842781.27)	11-6-01	0.0	30.15	70.7
	8-7-01	19.1	30.12	79.7
	5-1-01	0		
	2-6-01	0		
	11-8-00	0		
	8-8-00	0		
	5-2-00	0		
	2-1-00	0.1		
	11-8-99	0.7		
	8-3-99	NM		
KBA-11-03B	5-6-02	9.6	30.18	90
(N296023.77)	2-5-02	0.0	30.30	55.4
(E843026.64)	11-6-01	0.0	30.12	72.5
	8-7-01	2.4	30.12	94.6
	5-1-01	NM		
	2-5-01	0		
	11-8-00	0		
	8-1-00	NM		
	5-2-00	0		
	2-1-00	NM		
	11-8-99	2.0		
	8-3-99	0.2		
KBA-11-08B	5-6-02	1.6	30.18	92.1
(N294792.40)	2-5-02	0.9	30.30	51.8
(E843215.42)	11-6-01	0.0	30.12	73.4
	8-7-01	0.0	30.12	96.4
	5-1-01	NM		
	2-5-01	0		
	11-8-00	0		
	8-1-00	NM		
	5-2-00	0		
	2-1-00	NM		
	11-8-99	1.5		
	8-3-99	0.0		

NM = not measured PID = photo ionization detector

Table 1 continued on following page

Table 1 continued
Headspace Readings

Well Identification (coordinates)	Date	PID Measurement (ppm)	Barometer Pressure (Inches)	Temperature (F°)
KBA-11-10B	5-6-02	0.0	30.18	92.5
(N295407.32)	2-5-02	0.0	30.33	57.2
(E843044.79)	11-6-01	0.0	30.15	68.0
	8-7-01	0.0	30.12	94.7
	5-1-01	NM		
	2-5-01	0		
	11-8-00	0		
	8-8-00	0		
	2-1-00	NM		
	11-8-99	5		
	8-2-99	1.9		
KBA-11-11A	5-6-02	0.0	30.18	92.3
(N295185.73)	2-5-02	0.0	30.30	56.3
(E843535.58)	11-6-01	0.0	30.12	74.3
	8-7-01	0.0	30.12	92.4
	5-1-01	NM		
	2-5-01	0		
	11-8-00	0		
	8-10-00	0		
	5-2-00	0		
	2-1-00	NM		
	11-8-99	4.5		
	8-3-99	0.3		
KBA-11-13A	5-6-02	0.0	30.18	94.0
(N295665.45)	2-5-02	0.0	30.33	55.4
(E842831.00)	11-6-01	0.0	30.15	70.7
	8-7-01	2.8	30.12	88.7
	5-3-01	0		
	2-9-01	3.5		
	11-8-00	0		
	8-10-00	0		
	5-2-00	0		
	2-4-00	0		
	11-8-99	2		
	8-3-99	13		

NM = not measured PID = photo ionization detector

Table 1 continued on following page

Table 1 continued
Headspace Readings

Well Identification (coordinates)	Date	PID Measurement (ppm)	Barometer Pressure (Inches)	Temperature (F°)
KBA-11-13B	5-6-02	0.0	30.18	94.0
(N295694.10)	2-5-02	0.0	30.33	55.4
(E842848.12)	11-6-01	0.0	30.12	70.2
	8-7-01	0.0	30.12	92.6
	5-4-01	0.1		
	2-9-01	0		
	11-8-00	0		
	8-8-00	0		
	5-2-00	0		
	2-1-00	NM		
	11-8-99	2		
	8-3-99	0		
KBA-11-15	5-6-02	14.7	30.18	83.3
(N295065.19)	2-5-02	0.0	30.39	51.8
(E842294.15)	11-6-01	0.0	30.09	74.3
	8-7-01	0.0	30.06	91.2
	5-4-01	6.1		
	2-13-01	0		
	11-8-00	0		
	8-9-00	0		
	5-2-00	0		
	2-7-00	0		
	11-9-99	2.5		
	8-17-99	2,200		
KBA-11-16	5-6-02	43.7	30.18	87.0
(N295617.50)	2-5-02	0.0	30.39	53.6
(E842440.32)	11-6-01	3.2	30.12	77.0
	8-7-01	0.0	30.06	94.2
	5-2-01	10.5		
	2-6-01	4.2		
	11-8-00	0		
	8-9-00	0		
	5-2-00	0		
	2-7-00	0		
	11-9-99	1		
	8-17-99	3,500		

NM = not measured PID = photo ionization detector

Table 1 continued on following page

Table 1 continued
Headspace Readings

Well Identification (coordinates)	Date	PID Measurement (ppm)	Barometer Pressure (Inches)	Temperature (F°)
KBA-11-17B	5-6-02	8.3	30.18	88.1
(N295549.12)	2-5-02	7,200	30.39	54.5
(E841977.77)	11-6-01	7.5	30.12	77.9
	8-7-01	0.0	30.06	92.9
	5-4-01	0		
	2-13-01	0		
	11-8-00	0		
	8-9-00	0		
	5-3-00	0		
	2-7-00	0		
	11-9-99	5		
	8-17-99	2,700		
KBA-11-18	5-6-02	26.7	30.18	90.1
(N295686.28)	2-5-02	150	30.39	55.4
(E8421688.80)	11-6-01	8.5	30.12	77.9
	8-7-01	0.0	30.09	93.2
	5-4-01	0		
	2-16-01	0		
	11-8-00	0		
	8-1-00	NM		
	5-3-00	0		
	2-1-00	NM		
	11-9-99	11		
	8-17-99	3,600		
KBA-11-20	5-6-02	13.1	30.21	85.9
(N296049.30)	2-5-02	0.0	30.39	53.6
(E842007.67)	11-6-01	0.5	30.09	75.2
	8-7-01	0.0	30.09	91.3
	5-4-01	0		
	2-13-01	0		
	11-8-00	0		
	8-1-00	NM		
	5-2-00	0		
	2-1-00	NM		

NM = not measured PID = photo ionization detector

Table 1 continued on following page

Table 1 continued
Headspace Readings

Well Identification (coordinates)	Date	PID Measurement (ppm)	Barometer Pressure (Inches)	Temperature (F°)
KBA-11-21	5-6-02	23.9	30.18	83.3
(N296691.67)	2-5-02	0.0	30.39	53.6
(E842443.34)	11-6-01	0.0	30.09	73.4
	8-7-01	0.0	30.06	93.9
	5-4-01	0		
	2-13-01	0		
	11-8-00	0		
	8-1-00	NM		
	5-2-00	0		
	2-1-00	NM		
	11-9-99	7.5		
	8-3-99	3		
KBA-11-22B	5-6-02	0.0	30.18	95.0
(N295837.13)	2-5-02	0.0	30.33	58.1
(E843229.11)	11-6-01	0.0	30.12	73.4
	8-7-01	14.7	30.12	91
	5-4-01	0		
	2-12-01	0		
	11-8-00	0		
	8-1-00	NM		
	5-2-00	0		
	2-1-00	NM		
	11-8-99	0.6		
	8-3-99	7		
KBA-11-34	5-6-02	0.0	30.18	95.0
(N295584.23)	2-5-02	0.0	30.33	55.4
(E842959.34)	11-6-01	0.0	30.15	70.7
	8-7-01	0.0	30.12	92.7
	5-3-01	28.6		
	2-8-01	25.6		
	11-8-00	0		
	8-8-00	0		
	5-2-00	0		
	2-7-00	0.4		
	11-8-99	2		
	8-3-99	1,400		

NM = not measured PID = photo ionization detector

Table 1 continued on following page

Table 1 continued
Headspace Readings

Well Identification (coordinates)	Date	PID Measurement (ppm)	Barometer Pressure (Inches)	Temperature (F°)
KBA-11-36	5-6-02	0.0	30.18	95.0
(N295599.75)	2-5-02	0.0	30.33	57.2
(E842909.65)	11-6-01	0.0	30.15	70.7
	8-7-01	0.0	30.12	92.8
	5-4-01	0		
	2-12-01	0		
	11-8-00	0		
	8-1-00	NM		
	5-2-00	0		
	2-1-00	NM		
	11-8-99	0.6		
	8-3-99	10		
KBA-11-37	5-6-02	10.3	30.21	86.5
(N295994.01)	2-5-02	0.0	30.39	53.6
(E842501.99)	11-6-01	2.8	30.09	75.2
	8-7-01	0.0	30.09	93.1
	5-2-01	102.5		
	2-7-01	27		
	11-8-00	0		
	8-9-00	0		
	5-4-00	>2000		
	2-8-00	0		
	11-9-99	3		
	8-16-99	400		
PS-2	5-6-02	0.0	30.18	95.0
(N295286.12)	2-5-02	19.9	30.33	55.4
(E842704.24)	11-6-01	0.0	30.15	70.7
	8-7-01	0.0	30.12	91.4
	5-2-01	0.08		
	2-7-01	0		
	11-8-00	0		
	8-8-00	>2000		
	5-3-00	>2000		
	2-7-00	0		
	11-8-99	0.5		
	8-16-99	NM		

NM = not measured PID = photo ionization detector

Table 1 continued on following page

Table 1 continued
Headspace Readings

Well Identification (coordinates)	Date	PID Measurement (ppm)	Barometer Pressure (Inches)	Temperature (F°)
PS-2	5-6-02	0.0	30.18	95.0
(N295286.12)	2-5-02	19.9	30.33	55.4
(E842704.24)	11-6-01	0.0	30.15	70.7
	8-7-01	0.0	30.12	91.4
	5-2-01	0.08		
	2-7-01	0		
	11-8-00	0		
	8-8-00	>2000		
	5-3-00	>2000		
	2-7-00	0		
	11-8-99	0.5		
	8-16-99	NM		
PS-9	5-6-02	10.5	30.18	84.2
(N295732.70)	2-5-02	0.0	30.42	49.1
(E842689.44)	11-6-01	0.03	30.09	68.9
	8-7-01	0.0	30.06	91.2
	5-4-01	0		
	2-13-01	0		
	11-8-00	0		
	8-1-00	NM		
	5-2-00	0		
	2-1-00	NM		
	11-8-99	NM		
	8-16-99	NM		
RW-6 *	8-7-01	NM	30.06	91.3
(N295563.58)				
(E841821.59)				
RW-7 *	8-7-01	NM	30.06	91.1
(N295583.80)				
(E842885.61)				
RW-8 *	8-7-01	NM	30.06	91.3
(N295635.94)				
(E842903.57)				

* Recovery wells are not enclosed, so a headspace reading was not measured. Recovery wells closed week of October 24 – November 2, 2001

NM = not measured PID = photo ionization detector

Table 2
Well Measurements

Well Identification	Date	Top of Casing Elevation (ft MSL)	Depth to Water (ft btoc)	Water Elevation (ft MSL)	Constructed Depth (ft btoc)	Measured Depth (ft btoc)
KBA-11-02	5-6-02	36.02	9.71	26.31	15.00	10.90
	2-5-02		8.60	27.42		11.00
	11-6-01		8.07	27.95		10.88
	8-7-01		8.13	27.89		10.87
	5-1-01		9.53	26.49		10.65
	2-6-01		10.18	25.84		10.18
	11-8-00		8.65	27.37		10.60
	8-8-00		No water	no water		10.80
	5-2-00		10.1	25.9		14.00
	2-4-00		11.5	24.52		15.30
	11-8-99		9.61	26.41		15.19
	8-2-99		11.37	24.65		15.42
KBA-11-03B	5-6-02	33.49	8.75	24.74	47.00	47.44
	2-5-02		8.37	25.12		47.51
	11-6-01		7.39	26.10		47.50
	8-7-01		6.78	26.71		47.56
	5-1-01		8.43	25.06		47.50
	2-5-01		8.67	24.82		47.50
	11-6-00		7.78	25.71		47.50
	8-15-00		10.4	23.09		47.50
	5-2-00		8.7	24.79		47.10
	2-24-00		9.5	23.99		49.10
	11-8-99		8.54	24.95		47.77
	8-2-99		10.01	23.48		47.82
KBA-11-08B	5-6-02	38.20	12.25	25.95	43.00	43.48
	2-5-02		11.66	26.54		43.48
	11-6-01		10.78	27.42		43.47
	8-7-01		10.02	28.18		43.49
	5-1-01		11.85	26.35		43.59
	2-5-01		12.04	26.16		43.51
	11-20-00		11.54	26.66		43.46
	8-15-00		14.0	24.20		43.50
	5-2-00		12.1	26.1		43.80
	2-24-00		13.40	24.80		44.90
	11-8-99		12.04	26.16		43.75
	8-2-99		13.74	24.46		43.77

ft = feet MSL – mean sea level btoc – below top of casing

Table 2 continued on following page

Table 2 continued
Well Measurements

Well Identification	Date	Top of Casing Elevation (ft MSL)	Depth to Water (ft btoc)	Water Elevation (ft MSL)	Constructed Depth (ft btoc)	Measured Depth (ft btoc)
KBA-11-10B	5-6-02	38.03	12.40	25.63	51.50	51.36
	2-5-02		12.11	25.92		51.37
	11-6-01		10.96	27.07		51.37
	8-7-01		10.48	27.55		51.38
	5-1-01		12.06	25.97		51.35
	2-5-01		12.48	25.55		51.35
	11-6-00		14.03	24.00		54.34
	8-8-00		14.9	23.13		52.20
	5-2-00		12.8	25.23		53.40
	2-24-00		13.50	24.53		53.00
	11-8-99		12.31	25.72		51.62
	8-2-99		13.90	24.13		51.67
KBA-11-11A	5-6-02	35.85	9.69	26.61	37.00	36.81
	2-5-02		8.23	27.62		36.85
	11-6-01		8.16	27.69		36.83
	8-7-01		7.64	28.21		36.86
	5-1-01		9.31	26.54		36.83
	2-5-01		9.60	26.25		36.84
	11-13-00		8.85	27.00		36.86
	8-10-00		11.7	24.15		37.40
	5-2-00		9.4	26.45		37.00
	2-24-00		11.10	24.75		37.20
	11-8-99		9.61	24.42		37.12
	8-2-99		11.40	24.45		37.12
KBA-11-13A	5-6-02	34.20	9.46	24.74	42.50	42.29
	2-5-02		9.13	25.07		42.26
	11-6-01		8.17	26.03		42.27
	8-7-01		7.51	26.69		42.31
	5-3-01		9.21	24.99		42.25
	2-9-01		9.53	24.67		42.26
	11-8-00		6.52	27.68		42.30
	8-10-00		11.2	23.00		42.90
	5-2-00		9.3	24.90		42.00
	2-4-00		10.2	24.00		42.40
	11-8-99		9.25	24.95		42.75
	8-2-99		10.77	23.43		42.52

ft = feet MSL – mean sea level btoc – below top of casing

Table 2 continued on following page

Table 2 - Continued
Well Measurements

Well Identification	Date	Top of Casing Elevation (ft MSL)	Depth to Water (ft btoc)	Water Elevation (ft MSL)	Constructed Depth (ft btoc)	Measured Depth (ft btoc)
KBA-11-13B	5-6-02	34.86	13.38	21.48	90.70	90.52
	2-5-02		12.80	22.06		90.60
	11-6-01		12.33	22.53		90.50
	8-7-01		11.37	23.49		91.98
	5-4-01		13.09	21.77		90.49
	2-9-01		13.05	21.81		90.53
	11-6-00		12.50	22.36		91.60
	8-8-00		14.6	20.26		91.80
	5-2-00		12.8	22.06		91.00
	2-24-00		13.60	21.26		91.40
	11-8-99		12.88	21.98		90.72
	8-2-99		14.27	20.59		90.77
KBA-11-15	5-6-02	28.49	4.43	24.06	39.00	38.90
	2-5-02		3.98	24.51		38.90
	11-6-01		3.20	25.29		38.90
	8-7-01		2.22	26.27		38.94
	5-4-01		4.12	24.37		38.90
	2-13-01		4.45	24.04		38.89
	11-7-00		3.69	24.80		38.70
	8-9-00		5.7	22.29		39.30
	5-2-00		3.9	24.59		38.00
	2-7-00		4.8	23.69		39.00
	11-9-99		4.07	24.42		39.17
	8-2-99		5.60	22.89		39.22
KBA-11-16	5-6-02	28.66	5.09	23.57	44.90	44.45
	2-5-02		4.70	23.96		44.47
	11-6-01		3.99	24.67		44.46
	8-7-01		2.59	26.07		43.48
	5-2-01		4.48	24.18		44.46
	2-6-01		4.98	23.68		44.47
	11-8-00		4.39	24.27		44.45
	8-9-00		6.4	22.26		45.10
	5-3-00		3.9	24.76		44.00
	2-7-00		5.3	23.36		45.30
	11-9-99		4.73	23.93		44.72
	8-2-99		6.17	22.49		44.77

ft = feet MSL – mean sea level btoc – below top of casing

Table 2 continued on following page

Table 2 - Continued
Well Measurements

Well Identification	Date	Top of Casing Elevation (ft MSL)	Depth to Water (ft btoc)	Water Elevation (ft MSL)	Constructed Depth (ft btoc)	Measured Depth (ft btoc)
KBA-11-17B	5-6-02	25.41	3.74	21.67	44.80	44.44
	2-5-02		3.27	22.14		44.44
	11-6-01		2.81	22.60		44.41
	8-7-01		1.29	24.12		44.48
	5-4-01		3.33	22.08		44.41
	2-13-01		3.65	21.71		44.41
	11-7-00		3.07	22.34		45.30
	8-9-00		4.6	20.81		45.00
	5-3-00		2.7	22.71		42.30
	2-7-00		3.6	21.81		44.40
	11-9-99		3.03	22.38		44.67
	8-2-99		4.61	20.80		44.72
KBA-11-18	5-6-02	22.81	2.96	19.85	45.80	45.43
	2-5-02		2.45	20.36		45.53
	11-6-01		2.18	20.63		45.51
	8-7-01		0.38	22.43		45.59
	5-4-01		2.57	20.24		45.51
	2-16-01		2.77	20.04		45.50
	11-8-00		2.24	20.57		47.51
	8-15-00		3.7	19.11		45.40
	5-3-00		1.5	21.31		45.50
	2-25-00		2.70	20.11		46.80
	11-9-99		2.05	20.76		45.77
	8-2-99		3.67	19.14		45.82
KBA-11-20	5-6-02	23.07	2.73	20.34	40.00	39.84
	2-5-02		2.18	20.89		39.86
	11-6-01		2.04	21.03		39.84
	8-7-01		0.58	22.49		39.87
	5-4-01		2.48	20.59		39.86
	2-13-01		2.39	20.68		39.86
	11-8-00		2.18	20.89		39.84
	8-15-00		3.6	19.47		40.20
	5-2-00		1.60	21.47		40.90
	2-25-00		2.60	20.47		40.90
	11-9-99		1.94	21.13		40.12
	8-2-99		3.22	19.85		40.12

ft = feet MSL – mean sea level btoc – below top of casing

Table 2 continued on following page

Table 2 - Continued
Well Measurements

Well Identification	Date	Top of Casing Elevation (ft MSL)	Depth to Water (ft btoc)	Water Elevation (ft MSL)	Constructed Depth (ft btoc)	Measured Depth (ft btoc)
KBA-11-21	5-6-02	23.56	3.04	20.52	40.40	40.27
	2-5-02		2.49	21.07		40.30
	11-6-01		2.25	21.31		40.29
	8-7-01		0.94	22.62		40.30
	5-4-01		2.83	20.73		40.30
	2-13-01		2.69	20.87		40.30
	11-6-00		2.40	21.16		40.20
	8-15-00		3.6	19.96		40.20
	5-2-00		2.1	21.46		40.80
	2-25-00		2.90	20.66		41.80
	11-9-99		2.4	21.16		40.57
	8-2-99		3.75	19.81		40.57
KBA-11-22B	5-6-02	36.13	10.40	25.73	52.60	52.28
	2-5-02		10.15	25.98		52.29
	11-6-01		8.81	27.32		52.28
	8-7-01		8.54	27.59		52.38
	5-4-01		10.18	25.95		52.33
	2-5-01		10.48	25.65		52.29
	11-8-00		9.21	26.92		52.30
	8-15-00		11.4	24.73		52.30
	5-2-00		10.8	25.33		52.20
	2-25-00		11.6	24.53		53.60
	11-8-99		10.34	25.79		52.59
	8-2-99		11.92	24.21		52.62
KBA-11-34	5-6-02	37.51	12.26	25.25	40 est	40.77
	2-5-02		11.95	25.56		40.76
	11-6-01		10.96	26.53		40.78
	8-7-01		10.35	27.16		40.78
	5-3-01		12.01	25.50		40.45
	2-8-01		12.40	25.11		40.76
	11-8-00		11.31	26.20		40.76
	8-8-00		14.3	23.21		41.60
	5-2-00		12.3	25.21		41.40
	2-7-00		13.2	24.31		41.04
	11-8-99		12.18	25.33		41.07
	8-2-99		13.75	23.76		41.07

ft = feet MSL – mean sea level btoc – below top of casing

Table 2 continued on following page

Table 2 - Continued
Well Measurements

Well Identification	Date	Top of Casing Elevation (ft MSL)	Depth to Water (ft btoc)	Water Elevation (ft MSL)	Constructed Depth (ft btoc)	Measured Depth (ft btoc)
KBA-11-36	5-6-02	37.91	12.85	25.06	40 est	41.35
	2-5-02		12.57	25.34		41.36
	11-6-01		11.56	26.35		41.38
	8-7-01		10.95	26.96		41.39
	5-4-01		12.67	25.24		41.39
	2-12-01		13.07	24.84		41.39
	11-8-00		12.02	25.89		41.62
	8-15-00		14.6	23.31		41.40
	5-4-00		12.9	25.01		41.40
	2-24-00		14.02	23.91		42.50
	11-8-99		12.84	25.07		41.65
	8-2-99		14.34	23.57		41.67
KBA-11-37	5-6-02	26.26	3.28	22.98	38.50	38.19
	2-5-02		2.82	23.44		38.18
	11-6-01		2.43	23.83		38.19
	8-7-01		1.37	24.89		38.21
	5-2-01		3.00	23.26		38.20
	2-7-01		2.96	23.30		38.18
	11-8-00		2.76	23.50		30.20
	8-9-00		4.1	22.16		38.60
	5-4-00		2.4	23.86		38.20
	2-8-00		3.2	23.06		38.40
	11-9-99		2.86	23.4		38.46
	8-16-99		4.15	22.11		38.57
PS-2	5-6-02	32.71	8.00	24.71	40.67	37.20
	2-5-02		7.61	25.10		37.22
	11-6-01		6.68	26.03		37.24
	8-7-01		5.97	26.74		37.24
	5-2-01		7.72	24.99		37.19
	2-7-01		8.06	24.65		37.24
	11-8-00		8.85	23.86		36.86
	8-8-00		9.9	22.81		37.50
	5-4-00		7.2	25.51		36.80
	2-7-00		8.8	23.91		36.80
	11-8-99		7.80	24.91		37.47
	8-17-99		9.6	23.11		39.60 est

ft = feet MSL – mean sea level btoc – below top of casing

Table 2 continued on following page

Table 2 - Continued
Well Measurements

Well Identification	Date	Top of Casing Elevation (ft MSL)	Depth to Water (ft btoc)	Water Elevation (ft MSL)	Constructed Depth (ft btoc)	Measured Depth (ft btoc)
PS-9	5-6-02	28.72	4.48	24.24	35.45	34.10
	2-5-02		4.11	24.61		34.12
	11-6-01		3.31	25.41		34.12
	8-7-01		2.54	26.18		34.13
	5-4-01		4.29	24.43		34.13
	2-13-01		4.56	24.16		34.15
	11-8-00		3.97	24.81		34.14
	8-15-00		5.8	22.92		34.10
	5-4-00		3.20	25.52		34.10
	2-25-00		6.20	22.52		34.50
	8-20-99		5.89	22.83		34.82
RW-6*	8-7-01	33.74	7.10	26.64	75	78.11
	5-4-01		8.83	24.91		77.55
	2-12-01		9.17	24.57		72.43
	11-13-00		10.01	23.73		73.01
	8-15-00		9.80	23.94		78.10
	5-4-00		7.80	25.94		78.00
	2-24-00		9.90	23.84		84.90
RW-7*	8-7-01	34.99	8.11	26.88	45.59	47.27
	5-4-01		9.79	25.20		44.93
	2-12-01		10.18	24.81		44.95
	11-8-00		9.91	25.08		46.52
	8-15-00		11.70	23.29		47.00
	5-4-00		10.00	24.99		47.00
	2-25-00		11.20	23.79		51.00
RW-8*	8-7-01	35.35	8.47	26.88	46.15	36.96
	5-4-01		10.16	25.19		45.00
	2-12-01		10.55	24.80		44.98
	11-13-00		9.62	25.73		36.08
	8-15-00		11.90	23.44		47.10
	5-4-00		10.00	25.35		44.20
	2-24-00		11.40	23.95		51.10

* Recovery wells were closed week of October 24 to November 2, 2001.
ft = feet MSL – mean sea level btoc – below top of casing

Table 3
Well Purge Parameters

Well Identification	Date	Volume Purged (gal)	Temper-ature (°C)	PH	Oxygen Reduction Potential (mv)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
KBA-11-02	5-7-02	8	22.1	6.42	-105	0.167	5.31	0.0
	2-6-02	6	20.96	6.51	-85	0.206	0.4	0.97
	11-7-01	8	22.7	6.69	-59	0.317	0.7	3.59
	8-8-01	6	26.9	7.09	-242.2	0.248	10	9.65
	5-1-01	6	22.0	6.10	-84	0.276	6	8.55
	2-6-01	6	18.9	6.35	-255	0.343	11	0.07
	11-8-00	6	23.7	6.62	-189	0.325	7	0.67
	8-8-00	no water – well was not purged						
	5-3-00	6	22.5	6.8	NM	0.440	10	2.30
	2-4-00	3	22.7	5.00	-258	0.604	12	1.70
	11-9-99	6	23.4	5.94	-160	0.527	3	0.51
	8-3-99	7	25.2	5.63	-199	0.713	0	NM
KBA-11-10B	8-9-01	6	24.1	6.16	-222.6	0.317	5	9.99
	8-8-00	6	25.0	6.3	-65	0.295	12	0.04
	8-2-99	6	25.6	5.14	-221	0.304	2	NM
KBA-11-11A	8-8-01	8	22.8	5.64	-216.6	0.079	10	8.60
	8-10-00	6	22.9	6.0	-18	0.071	4	0.01
KBA-11-13A	5-8-02	8	23.89	4.46	-16	1.66	8.3	0.0
	2-6-02	8	24.10	4.85	-42	1.80	5.8	5.88
	11-7-01	6	23.3	4.97	-10	1.75	0.6	3.53
	8-8-01	8	25.2	4.98	-166.8	2.38	9	9.05
	5-3-01	6	22.8	4.75	-76	2.16	1.9	8.50
	2-8-01	6	23.8	4.8	-277	1.80	8	0.31
	11-8-00	6	24.3	5.40	-81	1.30	4	0.40
	8-10-00	6	23.7	6.2	-48	1.35	1	0.11
	5-3-00	6	24.5	6.4	-113	0.561	10	1.10
	2-4-00	8	22.3	6.68	-217	0.503	10	1.17
	11-9-99	8	23	5.54	-142	0.467	2	0.78
	8-3-99	6	24.3	5.50	-210	0.463	17	NM
KBA-11-13B	8-8-01	6	24.5	8.11	-243.3	0.290	0.85	10.21
	8-8-00	6	24.3	7.5	-37	0.241	2	0.07
	8-3-99	8	24.9	7.15	-43	0.267	0	NM
KBA-11-15	8-9-01	6	22.7	5.90	-204.8	0.97	10	8.83
	8-9-00	6	24.2	5.7	-91	0.694	3	0.13
	2-7-00	7	20.8	5.04	-313	0.536	5	1.43
	8-3-99	6	25	4.90	-182	0.677	9	NM

°C = degrees centigrade mv = millivolts mS/cm = microseimens per centimeter
NTU = nephelometric turbidity units mg/L = milligrams per liter NM = not measured

Table 3 continued on following page

Table 3 Continued
Well Purge Parameters

Well Identification	Date	Volume Purged (gal)	Temper-ature (°C)	PH	Oxygen Reduction Potential (mv)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
KBA-11-16	5-7-02	6	24.41	4.81	-170	0.188	6.5	0.0
	2-6-02	6	24.64	4.94	-140	0.280	0.7	2.30
	11-7-01	8	23.6	4.79	-54	0.387	4.8	0.80
	8-9-01	8	24.4	5.58	-248.1	0.394	4	8.68
	5-2-01	6	23.1	4.17	-123	0.411	7	7.30
	2-6-01	6	23.4	4.92	-111	0.345	2	0.03
	11-8-00	6	25.02	5.02	-102	0.302	4	0.15
	8-9-00	6	24.6	5.6	-67.7	0.331	1	0.06
	5-4-00	6	23.6	6.1	NM	0.146	10	3.70
	2-7-00	7	22.8	5.40	-275	0.364	8	1.09
	11-9-99	8	24	4.89	-104	0.263	20	0.57
	8-3-99	7	26.8	4.76	-111	0.171	35	NM
KBA-11-17B	8-9-01	6	23.6	5.46	-178.4	0.118	10	8.70
	8-9-00	6	24.3	6.8	-101	0.073	2	0.01
	2-7-00	7	21.9	5.40	-287	0.135	3	1.08
	8-3-99	8	24.7	4.48	-112	0.118	6	NM
KBA-11-34	5-8-02	8	27.12	3.65	-260	1.10	4.5	0.0
	2-6-02	6	28.08	3.45	-322	1.28	0.5	8.45
	11-7-01	6	25.3	3.70	-404	0.652	4.7	19.99
	8-9-01	6	27.5	4.35	-152.5	1.07	12	8.77
	5-3-01	8	25.2	3.88	-113	1.48	3	6.96
	2-8-01	6	26.9	3.8	-249	1.69	4	.06
	11-8-00	6	26.03	3.51	-189	1.73	44	1.73
	8-8-00	6	27.8	3.7	-315	1.78	38	0.02
	5-4-00	6	25.8	3.9	-119	1.36	10	5.85
	2-7-00	8	24.9	2.81	-184	2.19	9	2.43
	11-9-99	8	27.2	3.58	-134	2.26	9	0.44
	8-3-99	6	30.5	3.20	-300	2.36	13	NM

°C = degrees centigrade mv = millivolts mS/cm = microseimens per centimeter
NTU = nephelometric turbidity units mg/L = milligrams per liter NM = not measured

Table 3 continued on following page

Table 3 Continued
Well Purge Parameters

Well Identification	Date	Volume Purged (gal)	Temper-ature (°C)	PH	Oxygen Reduction Potential (mv)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
KBA-11-37	5-7-02	6	24.15	5.47	-155	0.231	6.01	0.0
	2-5-02	6	24.68	5.56	-147	0.395	0.7	1.27
	11-7-01	8	23.7	5.57	-72	0.618	0.5	1.75
	8-9-01	6	25.5	6.28	-248.8	0.587	10	9.61
	5-2-01	8	24.2	5.41	-139	0.595	30	8.55
	2-7-01	6	22.5	5.5	-73	0.559	9	0.1
	11-8-00	6	26.2	5.67	-73	0.533	4.3	0.86
	8-9-00	6	24.6	6.2	-119	0.551	3	0.03
	5-4-00	6	24.0	6.3	NM	0.517	10	1.75
	2-8-00	8	21.3	6.1	-323	0.562	6	1.45
	11-9-99	8	24.2	5.37	-200	0.573	12	0.46
	8-16-99	9	25.5	5.52	-227	0.517	15	NM
PS-2	5-6-02	6	22.1	4.98	-105	0.163	9.9	0.0
	2-6-02	6	22.85	5.24	-120	0.286	0.7	0.80
	11-7-01	8	21.2	5.06	-33	0.334	0.2	1.64
	8-9-01	6	23.1	5.80	-223.5	0.318	5	9.84
	5-2-01	8	21.7	5.42	-123	0.327	1	7.80
	2-7-01	6	17.7	5.24	-90	0.290	3	0.03
	11-8-00	6	24.2	5.40	-92	0.298	4	0.48
	8-8-00	6	23.0	5.0	-108	0.300	2	0.04
	5-3-00	6	21.6	5.7	NM	0.317	10	1.30
	2-7-00	8	19.5	4.93	-387	0.355	10	1.43
	11-9-99	8	22	4.87	-144	0.363	2	0.35
	8-18-99	7	23.2	4.95	-213	0.381	10	NM

°C = degrees centigrade mv = millivolts mS/cm = microseimens per centimeter
NTU = nephelometric turbidity units mg/L = milligrams per liter NM = not measured

Table 4
Analytical Summary, Groundwater Protection Standard

Groundwater Protection Standard	Criteria (µg/L)	KBA-11-02											
Date		5-7-02	2-6-02	11-7-01	8-8-01	5-2-01	2-6-01	11-8-00	8-8-00	5-3-00	2-4-00	11-9-99	8-3-99
Tetrachloroethene	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	Unable to sample – no water	1.0U	1.0U	3.0U	3.0U
Trichloroethene	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NS	1.0U	1.0U	1.0U	1.0U
Cis -1,2-dichloroethene	70	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NS	1.0U	1.0U	1.0U	1.0U
Trans-1,2 dichloroethene	100	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NS	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethene	7.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NS	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NS	1.0U	1.0U	1.0U	1.0U
1,2-dichloroethane	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NS	1.0U	1.0U	1.0U	1.0U
Vinyl Chloride	2.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NS	1.0U	1.0U	1.0U	1.0U
Chloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NS	1.0U	1.0U	1.0U	1.0U
Benzene	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NS	1.0U	1.0U	1.0U	1.0U
Ethylbenzene	700	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NS	1.0U	1.0U	1.0U	1.0U
Toluene	1,000	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NS	1.0U	1.0U	1.0U	1.0U
Total xylenes	10,000	3.0U	3.0U	3.0U	3.0U	0.1	3.0U	3.0U	NS	3.0U	3.0U	3.0U	3.0U
Chlorobenzene	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NS	1.0U	1.0U	1.0U	1.0U
1,4-dichlorobenzene	75	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NS	1.0U	1.0U	1.0U	1.0U
Naphthalene	20	1.0U	1.0U	4.8JB	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	---	0.00137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	---	0.00137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes: I = interference.
J = estimated value; analyte detected; value is between the method detection level (MDL) and the practical quantitation level (PQL).
U = compound was analyzed for but not detected to the level shown.
BOLD indicates result exceeds the groundwater protection standard.
B = possible blank contamination
E = estimated value
NA – Naphthalene was added to the GPS list in November 2001 and was not previously analyzed.

Table 4 Continued
Analytical Summary, Groundwater Protection Standard

Groundwater Protection Standard	Criteria (µg/L)	KBA-11-10B			KBA-11-11A		
Date		8-9-01	8-8-00	8-2-99	8-8-01	8-10-00	8-2-99
Tetrachloroethene	5.0	1.0U	1.0U	3.0U	1.0U	1.0U	3.0U
Trichloroethene	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Cis -1,2-dichloroethene	70	1.0	1.0	1.6I	1.0U	1.0U	1.0U
Trans-1,2 dichloroethene	100	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethene	7.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,2-dichloroethane	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Vinyl Chloride	2.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Chloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Benzene	5.0	0.57J	1.0	1.6	1.0U	1.0	1.0U
Ethylbenzene	700	2.50	5.0	10	1.0U	5.0	1.0U
Toluene	1,000	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Total xylenes	10,000	3.0U	3.0U	3.0U	3.0U	1.0U	3.0U
Chlorobenzene	1.0	**1.2**	1.0	**2.5**	1.0U	1.0	1.0U
1,4-dichlorobenzene	75	0.76J	1.0	1.5	1.0U	1.0	1.0U

Notes: I = interference.
J = estimated value; analyte detected; value is between the method detection level (MDL) and the practical quantitation level (PQL).
U = compound was analyzed for but not detected to the level shown.
BOLD indicates result exceeds the groundwater protection standard.
B = possible blank contamination
E = estimated value
NA – Naphthalene was added to the GPS list in November 2001 and was not previously analyzed.

Table 4
Analytical Summary, Groundwater Protection Standard

Groundwater Protection Standard	Criteria (µg/L)	KBA -11-13A											
Date		5-8-02	5-2-02 Duplicate	2-6-02	2-6-02 Duplicate	11-7-01 Duplicate	11-7-01	8-8-01 Duplicate	8-8-01	5-3-01	2-8-01	11-8-00	8-10-00
Tetrachloroethene	5.0	5.0	3.8	1.6	1.6	0.86J	0.66J	1.6	0.77J	0.59J	0.8	3.0U	1.0U
Trichloroethene	5.0	**17.0**	**16.0**	**21.0**	**20.0**	**24**	**20**	**32**	**26**	**37.0**	**45.0**	**54.0**	**51.0**
Cis -1,2-dichloroethene	70	28.0	26.02.8	43.0	42.0	52	44	**71**	59	**88**	**110**	**160**	**300 E**
Trans-1,2 dichloroethene	100	3.1	1.0U	4.1	4.2	4.7	4.0	6.4	5.4	6.6	8.0	7.0	9.0
1,1-dichloroethene	7.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	0.44J	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,2-dichloroethane	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Vinyl Chloride	2.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	0.9	0.9	**4.0**	**17.0**
Chloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Benzene	5.0	1.0U	1.0U	1.0U	1.0U	0.36J	0.34J	0.43J	0.31J	0.33J	1.0	1.0	1.0
Ethylbenzene	700	6.0	5.8	9.0	8.5	16	14	22	14	20	34	57	71
Toluene	1,000	0.37J	0.34J	1.0U	1.0U	0.28J	0.24J	0.43J	0.30J	0.46J	1.0U	1.0U	0.9
Total xylenes	10,000	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	0.56J	0.37J	0.33J	3.0U	2.0U	0.7
Chlorobenzene	1.0	**2.2**	**1.9**	**3.1**	**3.0**	**2.6**	**2.3**	**3.1**	**2.1**	**2.4**	**3.0**	**5.0**	**5.0**
1,4-dichlorobenzene	75	1.8	1.7	2.0B	1.9B	2.1B	1.7B	1.4	1.4	1.4	1.0U	3.0	3.0
Naphthalene	20	**29.0**	**25**	**38B**	**37B**	**30**	**29B**	NA	NA	NA	NA	NA	NA
Nickel	---	0.58	0.55	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	---	0.40	0.38	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes: I = interference.
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U = compound was analyzed for but not detected to the level shown.
BOLD indicates result exceeds the groundwater protection standard.
B = possible blank contamination
E = estimated value
NA – Naphthalene was added to the GPS list in November 2001 and was not previously analyzed.

Table 4 Continued
Analytical Summary, Groundwater Protection Standard

Groundwater Protection Standard	Criteria (µg/L)	KBA-11-13A continued					
Date		8-10-00 (Duplicate)	5-3-00	2-4-00	11-9-99	11-9-99 Duplicate	8-3-99
Tetrachloroethene	5.0	1.0U	1.0U	1.0U	30U	3.0U	3.0U
Trichloroethene	5.0	**40.0**	**20.0**	**14.0**	**15I**	**17**	**19**
Cis -1,2-dichloroethene	70	**190**	**180**	**230**	**260**	**210**	**190**
Trans-1,2 dichloroethene	100	7.0	6.0	6.0	1.0U	6.6	7.4
1,1-dichloroethene	7.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,2-dichloroethane	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Vinyl Chloride	2.0	**11.0**	**19.0**	**20.0**	**46**	**42**	**48**
Chloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Benzene	5.0	1.0	2.0	2.0	1.0U	1.3I	1.1I
Ethylbenzene	700	51.0	67	64.0	65	92	66
Toluene	1,000	0.7	2.0	2.0	1.0U	4.2	2.7
Total xylenes	10,000	3.0	4.0	23.0	24I	49	14.4
Chlorobenzene	1.0	**4.0**	**5.0**	**6.0**	1.0U	**8.2**	**6.2**
1,4-dichlorobenzene	75	2.0	3.0	4.0	1.0U	5.2	4.0
Naphthalene	20	NA	NA	NA	NA	NA	NA

Notes: I = interference.
J = estimated value; analyte detected; value is between the method detection level (MDL) and the practical quantitation level (PQL).
U = compound was analyzed for but not detected to the level shown.
BOLD indicates result exceeds the groundwater protection standard.
B = possible blank contamination
E = estimated value
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Table 4 Continued
Analytical Summary, Groundwater Protection Standard

Groundwater Protection Standard	Criteria (µg/L)	KBA-11-13B			KBA-11-15				
Date		8-8-01	8-8-00	8-3-99	8-9-01	8-9-00	2-7-00	2-7-00 Duplicate	8-3-99
Tetrachloroethene	5.0	1.0U	1.0U	3.0U	1.0U	1.0U	1.0	1.0	3.0U
Trichloroethene	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Cis -1,2-dichloroethene	70	1.0U	1.0U	1.0U	1.0U	1.0U	0.9I	1.0	1.0U
Trans-1,2 dichloroethene	100	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethene	7.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,2-dichloroethane	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Vinyl Chloride	2.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Chloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Benzene	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Ethylbenzene	700	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Toluene	1,000	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Total xylenes	10,000	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U
Chlorobenzene	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,4-dichlorobenzene	75	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U

Notes: I = interference.
J = estimated value; analyte detected; value is between the method detection level (MDL) and the practical quantitation level (PQL).
U = compound was analyzed for but not detected to the level shown.
BOLD indicates result exceeds the groundwater protection standard.
B = possible blank contamination
E = estimated value
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Table 4 Continued
Analytical Summary, Groundwater Protection Standard

Groundwater Protection Standard	Criteria (µg/L)	KBA-11-16											
Date		5-7-02	2-6-02	11-7-01	8-9-01	5-2-01	2-6-01	11-8-00	8-9-00	5-4-00	5-4-00 Duplicate	2-7-00	11-9-99
Tetrachloroethene	5.0	0.38J	1.0U	1.0U	1.0U	1.0U	1.0U	2.0	1.0U	1.0U	1.0U	1.0U	3.0U
Trichloroethene	5.0	1.4	1.3	0.72J	0.42J	0.31J	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Cis -1,2-dichloroethene	70	32.0	46.0	28	30	32	34.0	8.0	2.0	2.0	2.0	14.0	3.6
Trans-1,2 dichloroethene	100	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethene	7.0	2.3	1.0U	1.7	1.8	1.3	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethane	1.0	**37.0**	**31.0**	**32**	**26**	**15**	**11.0**	**2.0**	**2.0**	1.0U	0.6U	**5.0**	1.6I
1,2-dichloroethane	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Vinyl Chloride	2.0	1.0U	1.0U	1.1	1.1	**3.4**	**4.0**	1.0U	1.0U	1.0U	1.0U	1.0	1.4I
Chloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Benzene	5.0	0.92J	1.1	1.2	1.2	0.96J	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Ethylbenzene	700	4.2	3.2	2.4	1.8	0.99J	1.0U	1.0U	0.8J	1.0U	1.0U	1.0U	1.0U
Toluene	1,000	25.0	28.0	26	15	5.4	1.0U	3.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Total xylenes	10,000	6.4	5.3	3.1	1.7J	0.86J	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U
Chlorobenzene	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,4-dichlorobenzene	75	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Naphthalene	20	1.0U	1.0U	1.0U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	---	0.0014J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	---	0.001U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes: I = interference.
J = estimated value; analyte detected; value is between the method detection level (MDL) and the practical quantitation level (PQL).
U = compound was analyzed for but not detected to the level shown.
BOLD indicates result exceeds the groundwater protection standard.
B = possible blank contamination
E = estimated value
NA – Naphthalene was added to the GPS list in November 2001 and was not previously analyzed.

Table 4 Continued
Analytical Summary, Groundwater Protection Standard

Groundwater Protection Standard	**Criteria (µg/L)**	**KBA-11-17B**					
Date		8-3-99	8-9-01	8-9-00	2-7-00	8-3-99	8-3-99
Tetrachloroethene	5.0	3.0U	1.0U	1.0U	1.0U	3.0U	**17**
Trichloroethene	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Cis -1,2-dichloroethene	70	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Trans-1,2 dichloroethene	100	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethene	7.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,2-dichloroethane	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Vinyl Chloride	2.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Chloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Benzene	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Ethylbenzene	700	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Toluene	1,000	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Total xylenes	10,000	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U
Chlorobenzene	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,4-dichlorobenzene	75	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U

Notes: I = interference.
J = estimated value; analyte detected; value is between the method detection level (MDL) and the practical quantitation level (PQL).
U = compound was analyzed for but not detected to the level shown.
BOLD indicates result exceeds the groundwater protection standard.
B = possible blank contamination
E = estimated value
NA – Naphthalene was added to the GPS list in November 2001 and was not previously analyzed.

Table 4 Continued
Analytical Summary, Groundwater Protection Standard

Groundwater Protection Standard	Criteria (µg/L)	KBA-11-34											
Date		5-8-02	2-6-02	11-7-01	8-9-01	5-3-01	2-8-01	11-8-00	8-9-00	5-4-00	2-7-00	11-9-99	8-3-99
Tetrachloroethene	5.0	**75.0**	**61.0**	**97**	**35**	**62.0**	**73.0**	**79.0**	**63.0**	**89.0**	**83.0**	**22**	**17**
Trichloroethene	5.0	2.2	0.63J	1.7	3.0	2.6	2.0	1.0U	0.6J	1.0	2.0	1.0U	1.0U
Cis -1,2-dichloroethene	70	5.0	0.54J	1.5	2.8	0.27J	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Trans-1,2 dichloroethene	100	0.37J	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethene	7.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,2-dichloroethane	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Vinyl Chloride	2.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Chloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Benzene	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Ethylbenzene	700	1.0U	1.0U	1.0U	1.0U	0.13J	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Toluene	1,000	1.0U	1.0U	1.0U	1.0U	0.24J	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Total xylenes	10,000	3.0U	3.0U	3.0U	3.0U	0.17J	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U
Chlorobenzene	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,4-dichlorobenzene	75	0.39J	0.34JB	0.47JB	0.56J	0.41J	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Naphthalene	20	0.094J	1.0U	4. JB	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	---	0.15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	---	0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes: I = interference.
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BOLD indicates result exceeds the groundwater protection standard.
B = possible blank contamination
E = estimated value
NA – Naphthalene was added to the GPS list in November 2001 and was not previously analyzed.

Table 4 Continued
Analytical Summary, Groundwater Protection Standard

Groundwater Protection Standard	Criteria (µg/L)	KBA-11-37												
Date		5-7-02	2-6-02	11-7-01	8-8-01	5-2-01	2-7-01	11-8-00	11-8-00 Duplicate	8-9-00	5-4-00	2-8-00	11-9-99	8-16-99
Tetrachloroethene	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	3.0U
Trichloroethene	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Cis -1,2-dichloroethene	70	5.0U	6.0	6.9	12.0	13.0	13.0	11.0	11.0	14.0	17.0	16.0	17	24
Trans-1,2 dichloroethene	100	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethene	7.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,2-dichloroethane	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Vinyl Chloride	2.0	1.0U	1.0U	1.0U	1.0U	0.6J	0.6J	1.0U	1.0U	1.0U	1.0U	1.0U	1.4I	**2.5I**
Chloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Benzene	5.0	0.79J	0.85J	1.1	1.3	1.3	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1
Ethylbenzene	700	5.4	6.4	8.2	13	10.0	13.0	10.0	11.0	7.0	1.0U	9.0	14	15
Toluene	1,000	1.0U	1.0U	1.0U	0.22J	0.41J	1.0U	1.0U	1.0U	1.0U	1.0U	1.0	1.0U	1.0U
Total xylenes	10,000	3.0U	3.0U	3.0U	3.0U	0.18J	3.0U	2.0U	2.0U	3.0	12.0	3.0U	3.0U	3.0U
Chlorobenzene	1.0	**5.6**	**4.6**	**3.8**	**2.8**	**2.1**	**2.0**	**3.0**	**3.0**	**2.0**	**3.0**	**2.0**	**3.1**	**2.9**
1,4-dichlorobenzene	75	2.4	2.4B	2.4B	3.1	2.6	1.0U	4.0	3.0	3.0	3.0	3.0	4.7	3.6
Naphthalene	20	12.0	17B	**25**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	---	0.0014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	---	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes: I = interference.
J = estimated value; analyte detected; value is between the method detection level (MDL) and the practical quantitation level (PQL).
U = compound was analyzed for but not detected to the level shown.
BOLD indicates result exceeds the groundwater protection standard.
B = possible blank contamination
E = estimated value
NA – Naphthalene was added to the GPS list in November 2001 and was not previously analyzed.

Table 4 Continued
Analytical Summary, Groundwater Protection Standard

Groundwater Protection Standard	Criteria (µg/L)	PS-2											
Date		5-6-02	2-6-02	11-7-01	8-9-01	5-2-01	2-7-01	11-8-00	8-8-00	5-3-00	2-7-00	11-9-99	8-18-99
Tetrachloroethene	5.0	1.0U	1.0U	1.0U	1.0U	0.14J	1.0U	3.0U	1.0U	1.0U	1.0U	3.0U	3.0U
Trichloroethene	5.0	1.6	1.7	2.0	2.0	1.9	2.0	2.0	2.0	2.0	2.0	1.4I	1.3I
Cis -1,2-dichloroethene	70	**120**	**110**	**110**	**99**	**79.0**	**71.0**	**61.0**	**58.0**	57.0	52.0	40	41
Trans-1,2 dichloroethene	100	0.80J	0.73J	0.84J	0.80J	0.60J	0.6J	1.0U	1.0U	0.5	1.0U	1.0U	1.0U
1,1-dichloroethene	7.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethane	1.0	**3.6**	**3.4**	**4.1**	**4.2**	**4.1**	**4.0**	**4.0**	**4.0**	**5.0**	**5.0**	**5.1**	**5.6**
1,2-dichloroethane	5.0	0.85J	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Vinyl Chloride	2.0	**3.0**	**2.7**	**3.0**	**2.4**	**2.4**	**3.0**	**3.0**	**2.0**	1.0U	**2.0**	**2.9**	3.2I
Chloroethane	1.0	2.3	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Benzene	5.0	2.0	2.1	2.7	3.4	3.7	4.0	**5.0**	**6.0**	**8.0**	**8.0**	**9.4**	**9.1**
Ethylbenzene	700	13	14.0	20.0	22.0	22.0	18.0	18.0	14.0	16.0	14.0	16	10
Toluene	1,000	1.7	1.5	1.9	2.7	2.9	3.0	5.0	8.0	19.0	37.0	57	43
Total xylenes	10,000	1.4J	1.9J	2.4J	3.5	3.6	4.0	7.0	19.0	41.0	40.0	47	29
Chlorobenzene	1.0	**1.8**	**1.6**	**1.2**	0.92J	0.59J	0.5J	1.0	0.5	0.7	1.0U	1.0U	1.0U
1,4-dichlorobenzene	75	1.0U	1.0U	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Naphthalene	20	0.061J	1.0U	3.7JB	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	---	0.00043	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	---	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes: I = interference.
J = estimated value; analyte detected; value is between the method detection level (MDL) and the practical quantitation level (PQL).
U = compound was analyzed for but not detected to the level shown.
BOLD indicates result exceeds the groundwater protection standard.
B = possible blank contamination
E = estimated value
NA – Naphthalene was added to the GPS list in November 2001 and was not previously analyzed.

Table 5
Analytical Summary for Subdivision Irrigation Wells

Groundwater Protection Standard	Criteria (µg/L)	KBA-102-PLANTATION CT. Year 2001 / 2002												
Date		5-02	4-02	3-02	2-02	1-02	12-01	11-01	10-01	9-01	8-01	7-01	6-01	5-01
Tetrachloroethene	5.0	1.0U	1.0U	1.0U	NS	NS	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Trichloroethene	5.0	1.0U	1.0U	1.0U	NS	NS	1.0U	0.53J	0.027J	1.0U	**9.9**	1.0U	1.0U	1.0U
Cis -1,2-dichloroethene	70	1.0U	1.0U	1.0U	NS	NS	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Trans-1,2 dichloroethene	100	1.0U	1.0U	1.0U	NS	NS	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethene	7.0	1.0U	1.0U	1.0U	NS	NS	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethane	1.0	1.0U	1.0U	1.0U	NS	NS	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,2-dichloroethane	5.0	1.0U	1.0U	1.0U	NS	NS	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	0.10J
Vinyl Chloride	2.0	1.0U	1.0U	1.0U	NS	NS	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Chloroethane	1.0	1.0U	1.0U	1.0U	NS	NS	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Benzene	5.0	1.0U	1.0U	1.0U	NS	NS	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Ethylbenzene	700	1.0U	1.0U	1.0U	NS	NS	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Toluene	1,000	1.0U	1.0U	1.0U	NS	NS	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Total xylenes	10,000	3.0U	3.0U	3.0U	NS	NS	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U
Chlorobenzene	1.0	1.0U	1.0U	1.0U	NS	NS	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,4-dichlorobenzene	75	1.0U	1.0U	1.0U	NS	NS	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Naphthalene	20	1.0U	1.0U	1.0U	NS	NS	10	3.3J	NA	NA	NA	NA	NA	NA

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BOLD indicates result exceeds the groundwater protection standard.
NA – Naphthalene was added to the GPS list in November 2001 and was not previously analyzed.

Table 5 Continued
Analytical Summary for Subdivision Irrigation Wells

Groundwater Protection Standard	**Criteria (µg/L)**	**KBA-102-PLANTATION CT. Year 2001**							
Date		4-01	3-01	2-01	1-01	4-01	3-01	2-01	1-01
Tetrachloroethene	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Trichloroethene	5.0	1.0U	1.0U	1.0U	**86**	1.0U	1.0U	1.0U	**86**
Cis -1,2-dichloroethene	70	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Trans-1,2 dichloroethene	100	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethene	7.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,2-dichloroethane	5.0	0.10J	1.0U	1.0U	1.0U	0.10J	1.0U	1.0U	1.0U
Vinyl Chloride	2.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Chloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Benzene	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Ethylbenzene	700	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Toluene	1,000	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Total xylenes	10,000	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U
Chlorobenzene	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,4-dichlorobenzene	75	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Naphthalene	20	NA	NA	NA	NA	NA	NA	NA	NA

Table 5 Continued
Analytical Summary, Groundwater Protection Standard

Groundwater Protection Standard	Criteria (µg/L)	KBA-102-PLANTATION CT. Year 2000											
Date		12-00	11-00	10-00	9-00	8-00	7-00	6-00	5-00	4-00	3-00	2-00	1-00
Tetrachloroethene	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Trichloroethene	5.0	**17**	**8.0**	**4.0**	**150**	**37**	**8.0**	1.OU	1.0U	1.0U	1.0U	1.0U	**28.0**
Cis -1,2-dichloroethene	70	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Trans-1,2 dichloroethene	100	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethene	7.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,2-dichloroethane	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Vinyl Chloride	2.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Chloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Benzene	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Ethylbenzene	700	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Toluene	1,000	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Total xylenes	10,000	3.0U	1.0U	3.0U	3.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Chlorobenzene	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,4-dichlorobenzene	75	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U

Notes: I = interference.
J = estimated value; analyte detected; value is between the method detection level (MDL) and the practical quantitation level (PQL).
U = compound was analyzed for but not detected to the level shown.
BOLD indicates result exceeds the groundwater protection standard.
NA – Naphthalene was added to the GPS list in November 2001 and was not previously analyzed.

Table 5 Continued
Analytical Summary, Groundwater Protection Standard

Groundwater Protection Standard	Criteria (µg/L)	KBA-122-PLANTATION CT. Year 2001 / 2002											
Date		5-02	5-02 Duplicate	4-02	4-02 Duplicate	3-02	3-02 Duplicate	2-6-02	2-6-02 Duplicate	1-02	1-02 Duplicate	12-01	12-01 Duplicate
Tetrachloroethene	5.0	NS	NS	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Trichloroethene	5.0	NS	NS	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Cis -1,2-dichloroethene	70	NS	NS	0.95J	0.79J	1.0	1.0	1.1	1.1	1.1	1.1	1.2	1.2
Trans-1,2 dichloroethene	100	NS	NS	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethene	7.0	NS	NS	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethane	1.0	NS	NS	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,2-dichloroethane	5.0	NS	NS	1.0U	1.0U	1.0U	0.66J	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Vinyl Chloride	2.0	NS	NS	**5.4**	**4.7**	**6.3**	**5.8**	**6.9**	**6.8**	**7.4**	**7.0**	**5.8**	**5.8**
Chloroethane	1.0	NS	NS	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Benzene	5.0	NS	NS	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Ethylbenzene	700	NS	NS	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Toluene	1,000	NS	NS	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Total xylenes	10,000	NS	NS	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U
Chlorobenzene	1.0	NS	NS	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,4-dichlorobenzene	75	NS	NS	0.50J	0.48J	0.40J	0.42J	0.34J	0.34JB	0.60	0.46	1.0U	0.38J
Naphthalene	20	NS	NS	3.1JB	10U	10U	10U	10U	10U	10U	10U	10	10

Notes: I = interference.
J = estimated value; analyte detected; value is between the method detection level (MDL) and the practical quantitation level (PQL).
U = compound was analyzed for but not detected to the level shown.
BOLD indicates result exceeds the groundwater protection standard.
NA – Naphthalene was added to the GPS list in November 2001 and was not previously analyzed.

Table 5 Continued
Analytical Summary, Groundwater Protection Standard

Groundwater Protection Standard	**Criteria (µg/L)**	**KBA-122-PLANTATION CT. Year 2001**					
Date		11-01	11-01 Duplicate	10-01	10-01 Duplicate	9-01	9-01 Duplicate
Tetrachloroethene	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Trichloroethene	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Cis -1,2-dichloroethene	70	1.0	1.0	1.0	1.1	1.2	1.2
Trans-1,2 dichloroethene	100	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethene	7.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,2-dichloroethane	5.0	1.0U	1.0U	1.0U	1.0U	0.32J	1.0U
Vinyl Chloride	2.0	**6.4**	**6.4**	**5.6**	**5.9**	**5.1**	**5.1**
Chloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Benzene	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Ethylbenzene	700	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Toluene	1,000	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Total xylenes	10,000	3.0U	3.0U	3.0U	3.0U	0.24J	0.21J
Chlorobenzene	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,4-dichlorobenzene	75	0.29J	0.26J	0.26J	0.27J	0.31J	0.30J
Naphthalene	20	1.0U	1.0U	NA	NA	NA	NA

Notes: I = interference.
J = estimated value; analyte detected; value is between the method detection level (MDL) and the practical quantitation level (PQL).
U = compound was analyzed for but not detected to the level shown.
BOLD indicates result exceeds the groundwater protection standard.
NA – Naphthalene was added to the GPS list in November 2001 and was not previously analyzed.

Table 5 Continued
Analytical Summary, Groundwater Protection Standard

Groundwater Protection Standard	Criteria (µg/L)	KBA-122-PLANTATION CT. Year 2001														
Date		8-01 duplicate	8-01	7-01 duplicate	7-01	6--01 duplicate	6-01	5-01 duplicate	5-01	4-01	4-01	3-01 duplicate	3-01	2-01 duplicate	2-01	1-01
Tetrachloroethene	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Trichloroethene	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Cis -1,2-dichloroethene	70	1.1	1.2	1.0	1.0	1.2	0.95	0.1	0.94J	1.0	1.0	1.0	1.0	1.0	2.0	2.0
Trans-1,2 dichloroethene	100	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethene	7.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,2-dichloroethane	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Vinyl Chloride	2.0	**4.7**	**4.7**	**4.6**	**4.6**	**4.8**	**4.8**	**4.5**	**3.4**	**5.0**	**5.0**	**4.0E**	**4.0E**	**4.0**	**6.0**	**7.0**
Chloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Benzene	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Ethylbenzene	700	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Toluene	1,000	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Total xylenes	10,000	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U
Chlorobenzene	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,4-dichlorobenzene	75	0.22	0.24	0.26J	0.27J	0.23J	0.21J	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U

Notes: I = interference.
J = estimated value; analyte detected; value is between the method detection level (MDL) and the practical quantitation level (PQL).
U = compound was analyzed for but not detected to the level shown.
BOLD indicates result exceeds the groundwater protection standard.
NA – Naphthalene was added to the GPS list in November 2001 and was not previously analyzed.

Table 5 Continued
Analytical Summary, Groundwater Protection Standard

Groundwater Protection Standard	Criteria (µg/L)	KBA-122-PLANTATION CT. Year 2000											
Date		12-00	11-00	10-00	9-00	8-00	7-00	6-00	5-00	4-00	3-00	2-00	1-00
Tetrachloroethene	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Trichloroethene	5.0	2.0	0.93	0.9J	1.0U	2.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Cis -1,2-dichloroethene	70	1.0	2.0	2.0	3.0	2.0	1.0U	2.0	3.0	2.0	2.0	2.0	2.0
Trans-1,2 dichloroethene	100	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethene	7.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,2-dichloroethane	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Vinyl Chloride	2.0	**4.0**	**5.0**	**5.0**	**5.0**	**5.0**	1.0U	**7.0**	**8.0**	**6.0**	**8.0**	**8.0**	**5.0**
Chloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Benzene	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Ethylbenzene	700	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Toluene	1,000	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Total xylenes	10,000	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U
Chlorobenzene	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,4-dichlorobenzene	75	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U

Notes: I = interference.
J = estimated value; analyte detected; value is between the method detection level (MDL) and the practical quantitation level (PQL).
U = compound was analyzed for but not detected to the level shown.
BOLD indicates result exceeds the groundwater protection standard.
NA – Naphthalene was added to the GPS list in November 2001 and was not previously analyzed.

Table 5 Continued
Analytical Summary, Groundwater Protection Standard

Groundwater Protection Standard	Criteria (µg/L)	KBA-108-COTTAGE CT. Year 2001 / 2002													
Date		5-02	4-02	3-02	2-02	1-02	12-01	11-01	10-01	9-01	8-01	7-01	6-01	5-01	4-01
Tetrachloroethene	5.0	1.0U	1.0U	NS	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NM	1.0U	1.0U	1.0U	1.0U
Trichloroethene	5.0	1.0U	1.0U	NS	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NM	1.0U	1.0U	1.0U	1.0U
Cis -1,2-dichloroethene	70	3.2	1.0U	NS	1.0U	1.0U	0.37	1.3	2.2	1.0U	NM	10	3.8	6.8	3.1
Trans-1,2 dichloroethene	100	1.0U	1.0U	NS	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NM	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethene	7.0	1.0U	1.0U	NS	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NM	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethane	1.0	1.0U	1.0U	NS	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NM	1.0U	1.0U	1.0U	1.0U
1,2-dichloroethane	5.0	1.0U	1.0U	NS	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NM	0.32J	1.0U	1.0U	1.0U
Vinyl Chloride	2.0	1.0U	1.0U	NS	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NM	1.0U	1.0U	1.0U	1.0U
Chloroethane	1.0	1.0U	1.0U	NS	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NM	1.0U	1.0U	1.0U	1.0U
Benzene	5.0	1.0U	1.0U	NS	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NM	1.0U	1.0U	1.0U	1.0U
Ethylbenzene	700	1.0U	1.0U	NS	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NM	1.0U	1.0U	1.0U	1.0U
Toluene	1,000	1.0U	1.0U	NS	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NM	1.0U	1.0U	1.0U	1.0U
Total xylenes	10,000	3.0U	3.0U	NS	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	NM	3.0U	3.0U	3.0U	7.0U
Chlorobenzene	1.0	1.0U	1.0U	NS	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NM	1.0U	1.0U	1.0U	1.0U
1,4-dichlorobenzene	75	1.0U	1.0U	NS	1.0U	1.0U	0.34	1.0U	1.0U	1.0U	NM	1.0U	1.0U	1.0U	1.0U
Naphthalene	20	1.0U	1.0U	NS	10U	10U	3.1	1.0U	NA	NA	NA	NA	NA	NA	NA

Notes: I = interference.
J = estimated value; analyte detected; value is between the method detection level (MDL) and the practical quantitation level (PQL).
U = compound was analyzed for but not detected to the level shown.
BOLD indicates result exceeds the groundwater protection standard.
NA – Naphthalene was added to the GPS list in November 2001 and was not previously analyzed.
NM – Not measured. Irrigation well was closed for the winter or owner was on vacation.

Groundwater Protection Standard	Criteria (µg/L)	KBA-108-COTTAGE CT. Year 2001										
Date		3-01	2-01	1-01	8-01	7-01	6-01	5-01	4-01	3-01	2-01	1-01
Tetrachloroethene	5.0	NM	NM	NM	NM	1.0U	1.0U	1.0U	1.0U	NM	NM	NM
Trichloroethene	5.0	NM	NM	NM	NM	1.0U	1.0U	1.0U	1.0U	NM	NM	NM
Cis -1,2-dichloroethene	70	NM	NM	NM	NM	10	3.8	6.8	3.1	NM	NM	NM
Trans-1,2 dichloroethene	100	NM	NM	NM	NM	1.0U	1.0U	1.0U	1.0U	NM	NM	NM
1,1-dichloroethene	7.0	NM	NM	NM	NM	1.0U	1.0U	1.0U	1.0U	NM	NM	NM
1,1-dichloroethane	1.0	NM	NM	NM	NM	1.0U	1.0U	1.0U	1.0U	NM	NM	NM
1,2-dichloroethane	5.0	NM	NM	NM	NM	0.32J	1.0U	1.0U	1.0U	NM	NM	NM
Vinyl Chloride	2.0	NM	NM	NM	NM	1.0U	1.0U	1.0U	1.0U	NM	NM	NM
Chloroethane	1.0	NM	NM	NM	NM	1.0U	1.0U	1.0U	1.0U	NM	NM	NM
Benzene	5.0	NM	NM	NM	NM	1.0U	1.0U	1.0U	1.0U	NM	NM	NM
Ethylbenzene	700	NM	NM	NM	NM	1.0U	1.0U	1.0U	1.0U	NM	NM	NM
Toluene	1,000	NM	NM	NM	NM	1.0U	1.0U	1.0U	1.0U	NM	NM	NM
Total xylenes	10,000	NM	NM	NM	NM	3.0U	3.0U	3.0U	7.0U	NM	NM	NM
Chlorobenzene	1.0	NM	NM	NM	NM	1.0U	1.0U	1.0U	1.0U	NM	NM	NM
1,4-dichlorobenzene	75	NM	NM	NM	NM	1.0U	1.0U	1.0U	1.0U	NM	NM	NM
Naphthalene	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes: I = interference.
J = estimated value; analyte detected; value is between the method detection level (MDL) and the practical quantitation level (PQL).
U = compound was analyzed for but not detected to the level shown.
BOLD indicates result exceeds the groundwater protection standard.
NA – Naphthalene was added to the GPS list in November 2001 and was not previously analyzed.
NM – Not measured. Irrigation well was closed for the winter or owner was on vacation.

Groundwater Protection Standard	Criteria (µg/L)	KBA-108-COTTAGE CT. Year 2000											
Date		12-00	11-00	10-00	9-00	8-00	7-00	6-00	5-00	4-00	3-00	2-00	1-00
Tetrachloroethene	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NM	NM
Trichloroethene	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NM	NM
Cis -1,2-dichloroethene	70	0.7J	1.0U	2.0	1.0U	1.0U	4.0	4.0	5.0	5.0	7.0	NM	NM
Trans-1,2 dichloroethene	100	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NM	NM
1,1-dichloroethene	7.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NM	NM
1,1-dichloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NM	NM
1,2-dichloroethane	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NM	NM
Vinyl Chloride	2.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NM	NM
Chloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NM	NM
Benzene	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NM	NM
Ethylbenzene	700	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NM	NM
Toluene	1,000	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NM	NM
Total xylenes	10,000	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	NM	NM
Chlorobenzene	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NM	NM
1,4-dichlorobenzene	75	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	NM	NM

Notes: I = interference.
J = estimated value; analyte detected; value is between the method detection level (MDL) and the practical quantitation level (PQL).
U = compound was analyzed for but not detected to the level shown.
BOLD indicates result exceeds the groundwater protection standard.
NA – Naphthalene was added to the GPS list in November 2001 and was not previously analyzed.
NM – Not measured. Irrigation well is closed for the winter.

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-02

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2201540-001

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0515-06

Level: (low/med) LOW Date Received: 05/09/02

% Moisture: not dec. _____ Date Analyzed: 05/15/02

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane (P)	1.0	U
75-01-4	Vinyl Chloride (C)	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene (C)	1.0	U
67-64-1	Acetone	50	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon Disulfide	10	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl tert-Butyl Ether	1.0	U
75-34-3	1,1-Dichloroethane (P)	1.0	U
108-05-4	Vinyl Acetate	5.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone (MEK)	25	U
74-97-5	Bromochloromethane	1.0	U
67-66-3	Chloroform (C)	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane (C)	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	25	U
108-88-3	Toluene (C)	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-02

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2201540-001

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0515-06

Level: (low/med) LOW Date Received: 05/09/02

% Moisture: not dec. _____ Date Analyzed: 05/15/02

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane (EDB)	1.0	U
108-90-7	Chlorobenzene (P)	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
100-41-4	Ethylbenzene (C)	1.0	U
136777-61-2	m,p-Xylenes	2.0	U
1330-20-7	Total Xylenes	3.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform (P)	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane (P	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
110-57-6	trans-1,4-Dichloro-2-butene	10	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-PS2

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2201540-002

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0515-07

Level: (low/med) LOW Date Received: 05/09/02

% Moisture: not dec. _____ Date Analyzed: 05/15/02

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane (P)	1.0	U
75-01-4	Vinyl Chloride (C)	3.0	
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	2.3	
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene (C)	1.0	U
67-64-1	Acetone	50	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon Disulfide	10	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	0.80	J
1634-04-4	Methyl tert-Butyl Ether	1.0	U
75-34-3	1,1-Dichloroethane (P)	3.6	
108-05-4	Vinyl Acetate	5.0	U
156-59-2	cis-1,2-Dichloroethene	120	
78-93-3	2-Butanone (MEK)	25	U
74-97-5	Bromochloromethane	1.0	U
67-66-3	Chloroform (C)	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	2.0	
107-06-2	1,2-Dichloroethane	0.85	J
79-01-6	Trichloroethene	1.6	
78-87-5	1,2-Dichloropropane (C)	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	25	U
108-88-3	Toluene (C)	1.7	
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-PS2

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2201540-002

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0515-07

Level: (low/med) LOW Date Received: 05/09/02

% Moisture: not dec. _____ Date Analyzed: 05/15/02

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane (EDB)	1.0	U
108-90-7	Chlorobenzene (P)	1.8	
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
100-41-4	Ethylbenzene (C)	13	
136777-61-2	m,p-Xylenes	0.81	J
1330-20-7	Total Xylenes	1.4	J
95-47-6	o-Xylene	0.65	J
100-42-5	Styrene	1.0	U
75-25-2	Bromoform (P)	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane (P	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
110-57-6	trans-1,4-Dichloro-2-butene	10	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-16

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2201540-003

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0515-08

Level: (low/med) LOW Date Received: 05/09/02

% Moisture: not dec. _____ Date Analyzed: 05/15/02

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane (P)	1.0	U
75-01-4	Vinyl Chloride (C)	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene (C)	2.3	
67-64-1	Acetone	92	
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon Disulfide	10	U
75-09-2	Methylene Chloride	2.7	J
156-60-5	trans-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl tert-Butyl Ether	1.0	U
75-34-3	1,1-Dichloroethane (P)	37	
108-05-4	Vinyl Acetate	5.0	U
156-59-2	cis-1,2-Dichloroethene	32	
78-93-3	2-Butanone (MEK)	55	
74-97-5	Bromochloromethane	1.0	U
67-66-3	Chloroform (C)	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	0.92	J
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.4	
78-87-5	1,2-Dichloropropane (C)	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	140	
108-88-3	Toluene (C)	25	
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	0.38	J

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-16

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2201540-003

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0515-08

Level: (low/med) LOW Date Received: 05/09/02

% Moisture: not dec. _____ Date Analyzed: 05/15/02

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane (EDB)	1.0	U
108-90-7	Chlorobenzene (P)	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
100-41-4	Ethylbenzene (C)	4.2	
136777-61-2	m,p-Xylenes	4.0	
1330-20-7	Total Xylenes	6.4	
95-47-6	o-Xylene	2.4	
100-42-5	Styrene	1.0	U
75-25-2	Bromoform (P)	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane (P	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
110-57-6	trans-1,4-Dichloro-2-butene	10	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-37

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2201540-004

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0515-09

Level: (low/med) LOW Date Received: 05/09/02

% Moisture: not dec. _____ Date Analyzed: 05/15/02

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane (P)	1.0	U
75-01-4	Vinyl Chloride (C)	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene (C)	1.0	U
67-64-1	Acetone	50	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon Disulfide	10	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl tert-Butyl Ether	1.0	U
75-34-3	1,1-Dichloroethane (P)	1.0	U
108-05-4	Vinyl Acetate	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	
78-93-3	2-Butanone (MEK)	25	U
74-97-5	Bromochloromethane	1.0	U
67-66-3	Chloroform (C)	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	0.79	J
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane (C)	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	25	U
108-88-3	Toluene (C)	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-37

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2201540-004

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0515-09

Level: (low/med) LOW Date Received: 05/09/02

% Moisture: not dec. _____ Date Analyzed: 05/15/02

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane (EDB)	1.0	U
108-90-7	Chlorobenzene (P)	5.6	
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
100-41-4	Ethylbenzene (C)	5.4	
136777-61-2	m,p-Xylenes	2.0	U
1330-20-7	Total Xylenes	3.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform (P)	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane (P	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
110-57-6	trans-1,4-Dichloro-2-butene	10	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	2.4	
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-34

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2201540-005

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0515-10

Level: (low/med) LOW Date Received: 05/09/02

% Moisture: not dec. _____ Date Analyzed: 05/15/02

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane (P)	1.0	U
75-01-4	Vinyl Chloride (C)	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene (C)	1.0	U
67-64-1	Acetone	50	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon Disulfide	2.8	J
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	0.37	J
1634-04-4	Methyl tert-Butyl Ether	1.0	U
75-34-3	1,1-Dichloroethane (P)	1.0	U
108-05-4	Vinyl Acetate	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	
78-93-3	2-Butanone (MEK)	25	U
74-97-5	Bromochloromethane	1.0	U
67-66-3	Chloroform (C)	1.1	
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	2.2	
78-87-5	1,2-Dichloropropane (C)	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	25	U
108-88-3	Toluene (C)	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	75	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-34

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2201540-005

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0515-10

Level: (low/med) LOW Date Received: 05/09/02

% Moisture: not dec. _____ Date Analyzed: 05/15/02

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane (EDB)	1.0	U
108-90-7	Chlorobenzene (P)	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
100-41-4	Ethylbenzene (C)	1.0	U
136777-61-2	m,p-Xylenes	2.0	U
1330-20-7	Total Xylenes	3.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform (P)	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane (P	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
110-57-6	trans-1,4-Dichloro-2-butene	10	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	0.39	J
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-13A

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2201540-006

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0515-11

Level: (low/med) LOW Date Received: 05/09/02

% Moisture: not dec. _____ Date Analyzed: 05/15/02

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane (P)	1.0	U
75-01-4	Vinyl Chloride (C)	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene (C)	1.0	U
67-64-1	Acetone	50	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon Disulfide	3.7	J
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	3.1	
1634-04-4	Methyl tert-Butyl Ether	1.0	U
75-34-3	1,1-Dichloroethane (P)	1.0	U
108-05-4	Vinyl Acetate	5.0	U
156-59-2	cis-1,2-Dichloroethene	28	
78-93-3	2-Butanone (MEK)	25	U
74-97-5	Bromochloromethane	1.0	U
67-66-3	Chloroform (C)	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	17	
78-87-5	1,2-Dichloropropane (C)	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	25	U
108-88-3	Toluene (C)	0.37	J
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	5.0	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-13A

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2201540-006

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0515-11

Level: (low/med) LOW Date Received: 05/09/02

% Moisture: not dec. _____ Date Analyzed: 05/15/02

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane (EDB)	1.0	U
108-90-7	Chlorobenzene (P)	2.2	
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
100-41-4	Ethylbenzene (C)	6.0	
136777-61-2	m,p-Xylenes	2.0	U
1330-20-7	Total Xylenes	3.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform (P)	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane (P	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
110-57-6	trans-1,4-Dichloro-2-butene	10	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.8	
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-13AMS

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2201540-006MS

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0515-23

Level: (low/med) LOW Date Received: 05/09/02

% Moisture: not dec. _____ Date Analyzed: 05/15/02

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	15	
74-87-3	Chloromethane (P)	18	
75-01-4	Vinyl Chloride (C)	15	
74-83-9	Bromomethane	15	
75-00-3	Chloroethane	15	
75-69-4	Trichlorofluoromethane	14	
75-35-4	1,1-Dichloroethene (C)	14	
67-64-1	Acetone	71	
74-88-4	Iodomethane	72	
75-15-0	Carbon Disulfide	82	
75-09-2	Methylene Chloride	13	
156-60-5	trans-1,2-Dichloroethene	17	
1634-04-4	Methyl tert-Butyl Ether	12	
75-34-3	1,1-Dichloroethane (P)	15	
108-05-4	Vinyl Acetate	47	
156-59-2	cis-1,2-Dichloroethene	42	
78-93-3	2-Butanone (MEK)	61	
74-97-5	Bromochloromethane	13	
67-66-3	Chloroform (C)	13	
71-55-6	1,1,1-Trichloroethane	13	
56-23-5	Carbon Tetrachloride	13	
71-43-2	Benzene	14	
107-06-2	1,2-Dichloroethane	13	
79-01-6	Trichloroethene	30	
78-87-5	1,2-Dichloropropane (C)	13	
74-95-3	Dibromomethane	12	
75-27-4	Bromodichloromethane	13	
10061-01-5	cis-1,3-Dichloropropene	12	
108-10-1	4-Methyl-2-pentanone (MIBK)	63	
108-88-3	Toluene (C)	13	
10061-02-6	trans-1,3-Dichloropropene	12	
79-00-5	1,1,2-Trichloroethane	13	
127-18-4	Tetrachloroethene	18	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-13AMS

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2201540-006MS

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0515-23

Level: (low/med) LOW Date Received: 05/09/02

% Moisture: not dec. _____ Date Analyzed: 05/15/02

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
591-78-6	2-Hexanone	56	
124-48-1	Dibromochloromethane	12	
106-93-4	1,2-Dibromoethane (EDB)	12	
108-90-7	Chlorobenzene (P)	15	
630-20-6	1,1,1,2-Tetrachloroethane	12	
100-41-4	Ethylbenzene (C)	20	
136777-61-2	m,p-Xylenes	28	
1330-20-7	Total Xylenes	41	
95-47-6	o-Xylene	13	
100-42-5	Styrene	13	
75-25-2	Bromoform (P)	10	
79-34-5	1,1,2,2-Tetrachloroethane (P	13	
96-18-4	1,2,3-Trichloropropane	12	
110-57-6	trans-1,4-Dichloro-2-butene	4.5	J
541-73-1	1,3-Dichlorobenzene	13	
106-46-7	1,4-Dichlorobenzene	14	
95-50-1	1,2-Dichlorobenzene	12	
96-12-8	1,2-Dibromo-3-chloropropane	8.8	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-13AMSD

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2201540-006MSD

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0515-24

Level: (low/med) LOW Date Received: 05/09/02

% Moisture: not dec. _____ Date Analyzed: 05/16/02

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	18	
74-87-3	Chloromethane (P)	21	
75-01-4	Vinyl Chloride (C)	18	
74-83-9	Bromomethane	17	
75-00-3	Chloroethane	17	
75-69-4	Trichlorofluoromethane	16	
75-35-4	1,1-Dichloroethene (C)	15	
67-64-1	Acetone	80	
74-88-4	Iodomethane	78	
75-15-0	Carbon Disulfide	90	
75-09-2	Methylene Chloride	14	
156-60-5	trans-1,2-Dichloroethene	19	
1634-04-4	Methyl tert-Butyl Ether	14	
75-34-3	1,1-Dichloroethane (P)	16	
108-05-4	Vinyl Acetate	49	
156-59-2	cis-1,2-Dichloroethene	42	
78-93-3	2-Butanone (MEK)	67	
74-97-5	Bromochloromethane	15	
67-66-3	Chloroform (C)	14	
71-55-6	1,1,1-Trichloroethane	14	
56-23-5	Carbon Tetrachloride	14	
71-43-2	Benzene	15	
107-06-2	1,2-Dichloroethane	14	
79-01-6	Trichloroethene	30	
78-87-5	1,2-Dichloropropane (C)	14	
74-95-3	Dibromomethane	14	
75-27-4	Bromodichloromethane	14	
10061-01-5	cis-1,3-Dichloropropene	14	
108-10-1	4-Methyl-2-pentanone (MIBK)	70	
108-88-3	Toluene (C)	14	
10061-02-6	trans-1,3-Dichloropropene	13	
79-00-5	1,1,2-Trichloroethane	14	
127-18-4	Tetrachloroethene	18	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-13AMSD

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2201540-006MSD

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0515-24

Level: (low/med) LOW Date Received: 05/09/02

% Moisture: not dec. _____ Date Analyzed: 05/16/02

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
591-78-6	2-Hexanone	63	
124-48-1	Dibromochloromethane	13	
106-93-4	1,2-Dibromoethane (EDB)	13	
108-90-7	Chlorobenzene (P)	16	
630-20-6	1,1,1,2-Tetrachloroethane	14	
100-41-4	Ethylbenzene (C)	21	
136777-61-2	m,p-Xylenes	30	
1330-20-7	Total Xylenes	44	
95-47-6	o-Xylene	14	
100-42-5	Styrene	14	
75-25-2	Bromoform (P)	12	
79-34-5	1,1,2,2-Tetrachloroethane (P	14	
96-18-4	1,2,3-Trichloropropane	12	
110-57-6	trans-1,4-Dichloro-2-butene	4.7	J
541-73-1	1,3-Dichlorobenzene	14	
106-46-7	1,4-Dichlorobenzene	15	
95-50-1	1,2-Dichlorobenzene	14	
96-12-8	1,2-Dibromo-3-chloropropane	10	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-13A DUP

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2201540-007

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0515-12

Level: (low/med) LOW Date Received: 05/09/02

% Moisture: not dec. _____ Date Analyzed: 05/15/02

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane (P)	1.0	U
75-01-4	Vinyl Chloride (C)	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene (C)	1.0	U
67-64-1	Acetone	50	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon Disulfide	3.5	J
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	2.8	
1634-04-4	Methyl tert-Butyl Ether	1.0	U
75-34-3	1,1-Dichloroethane (P)	1.0	U
108-05-4	Vinyl Acetate	5.0	U
156-59-2	cis-1,2-Dichloroethene	26	
78-93-3	2-Butanone (MEK)	25	U
74-97-5	Bromochloromethane	1.0	U
67-66-3	Chloroform (C)	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	16	
78-87-5	1,2-Dichloropropane (C)	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	25	U
108-88-3	Toluene (C)	0.34	J
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	3.8	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-13A DUP

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2201540-007

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0515-12

Level: (low/med) LOW Date Received: 05/09/02

% Moisture: not dec. _____ Date Analyzed: 05/15/02

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane (EDB)	1.0	U
108-90-7	Chlorobenzene (P)	1.9	
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
100-41-4	Ethylbenzene (C)	5.8	
136777-61-2	m,p-Xylenes	2.0	U
1330-20-7	Total Xylenes	3.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform (P)	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane (P	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
110-57-6	trans-1,4-Dichloro-2-butene	10	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.7	
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-13A
RINS BLK

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2201540-008

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0515-13

Level: (low/med) LOW Date Received: 05/09/02

% Moisture: not dec. _____ Date Analyzed: 05/15/02

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane (P)	1.0	U
75-01-4	Vinyl Chloride (C)	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene (C)	1.0	U
67-64-1	Acetone	50	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon Disulfide	10	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl tert-Butyl Ether	1.0	U
75-34-3	1,1-Dichloroethane (P)	1.0	U
108-05-4	Vinyl Acetate	5.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone (MEK)	25	U
74-97-5	Bromochloromethane	1.0	U
67-66-3	Chloroform (C)	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane (C)	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	25	U
108-88-3	Toluene (C)	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-13A
RINS BLK

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2201540-008

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0515-13

Level: (low/med) LOW Date Received: 05/09/02

% Moisture: not dec. _____ Date Analyzed: 05/15/02

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	1.8	
106-93-4	1,2-Dibromoethane (EDB)	1.0	U
108-90-7	Chlorobenzene (P)	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
100-41-4	Ethylbenzene (C)	1.0	U
136777-61-2	m,p-Xylenes	2.0	U
1330-20-7	Total Xylenes	3.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform (P)	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane (P	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
110-57-6	trans-1,4-Dichloro-2-butene	10	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-13
A FLD BLK

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2201540-009

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0515-14

Level: (low/med) LOW Date Received: 05/09/02

% Moisture: not dec. _____ Date Analyzed: 05/15/02

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane (P)	1.0	U
75-01-4	Vinyl Chloride (C)	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene (C)	1.0	U
67-64-1	Acetone	72	
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon Disulfide	10	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl tert-Butyl Ether	1.0	U
75-34-3	1,1-Dichloroethane (P)	1.0	U
108-05-4	Vinyl Acetate	5.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone (MEK)	25	U
74-97-5	Bromochloromethane	1.0	U
67-66-3	Chloroform (C)	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane (C)	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	0.38	J
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	25	U
108-88-3	Toluene (C)	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-13
A FLD BLK

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2201540-009

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0515-14

Level: (low/med) LOW Date Received: 05/09/02

% Moisture: not dec. _____ Date Analyzed: 05/15/02

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	1.9	
106-93-4	1,2-Dibromoethane (EDB)	1.0	U
108-90-7	Chlorobenzene (P)	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
100-41-4	Ethylbenzene (C)	1.0	U
136777-61-2	m,p-Xylenes	2.0	U
1330-20-7	Total Xylenes	3.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform (P)	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane (P	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
110-57-6	trans-1,4-Dichloro-2-butene	10	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLAN
K (2/11/02

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2201540-010

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0515-15

Level: (low/med) LOW Date Received: 05/09/02

% Moisture: not dec. _____ Date Analyzed: 05/15/02

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane (P)	1.0	U
75-01-4	Vinyl Chloride (C)	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene (C)	1.0	U
67-64-1	Acetone	50	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon Disulfide	10	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl tert-Butyl Ether	1.0	U
75-34-3	1,1-Dichloroethane (P)	1.0	U
108-05-4	Vinyl Acetate	5.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone (MEK)	25	U
74-97-5	Bromochloromethane	1.0	U
67-66-3	Chloroform (C)	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane (C)	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	25	U
108-88-3	Toluene (C)	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLAN
K (2/11/02

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2201540-010

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0515-15

Level: (low/med) LOW Date Received: 05/09/02

% Moisture: not dec. _____ Date Analyzed: 05/15/02

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane (EDB)	1.0	U
108-90-7	Chlorobenzene (P)	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
100-41-4	Ethylbenzene (C)	1.0	U
136777-61-2	m,p-Xylenes	2.0	U
1330-20-7	Total Xylenes	3.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform (P)	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane (P	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
110-57-6	trans-1,4-Dichloro-2-butene	10	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA-PS9	5-6-02	0821	4.49'	34.10'	10.5 PPM
KBA-PS9	5-6-02	0937	4.48'		
					CALIB. DATE
					5-2-02

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA-PS9	5-6-02	0821	75.2°F	72%	30.21	CLEAR
KBA-PS9	5-6-02	0937	84.2°F	52%	30.18	PARTLY CLOU

SAMPLING STATION

Well #	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

Instruments	Manufacturer/Mode	Serial No.	Date of Cal.	Calib.Due	Reference
pH/Eh					
Conductivity/Temp					
Dissolved Oxygen					
Turbidity					
Redox					

GROUND LEVEL DATA (before purging)

Well Variables

Depth of water = (TD - H) = h (ft) [H = depth to top of water]

Inside diam. Of casing = d(in.); 1/2(d) = r(in.)

$$\frac{r(in.)}{12(in.)} = R\ (ft);\ [7.48\ gal/ft\ 3\ constant]$$

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	Purge method:	Pump Type:

Prog Cyc	Date	Time	Temp (C)	pH	Eh	Units	Cond.	Units	Turb.	Units	D.O.	Units	Redox

Well purged to dryness: [ ] Yes [ ] No

Recorded by:	Date:	Reviewed by:	Date:

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA- PS2	5-6-02	1122	8.00'	37.20'	0.0 PPM
KBA- PS2	5-6-02	1410	8.00'		
					CALIB. DATE
					5-2-02

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA- PS2	5-6-02	1122	90.6°F	43%	30.18	SUNNY
KBA- PS2	5-6-02	1410	95.°F	35%	30.18	SUNNY

SAMPLING STATION

Well #	Station Type
KBA-11-PS2	MONITORING WELL

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By
KBA11-PS2-MAY-7-02	WATER		GRAB	5-7-02		TB/JC

Instruments	Manufacturer/Model	Serial No.	Date of Cal.	Calib.Due	Reference
pH/Eh	HORIBA U22	00921	5-2-02	CALIB. DAILY	
Conductivity/Temp	↓	↓			
Dissolved Oxygen					
Turbidity					
Redox	↓	↓			

GROUND LEVEL DATA (before purging)

Well Variables

Depth of water = (TD - H) = h (ft) [H = depth to top of water]

Inside diam. Of casing = d(in.); 1/2(d) = r(in.)

$\frac{r(in.)}{12(in.)}$ = R (ft); [7.48 gal/ft 3 constant]

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	Purge method:	Pump Type:

Prog Cyc	Date	Time	Temp (C)	pH	Eh	Units	Cond.	Units	Turb.	Units	D.O.	Units	Redox
2 GAL	5-7-02	0955	22.0°C	5.09			.159	mS/cm	61.0	NTU	0.0	G/L.	-84
4 GAL.	5-7-02	1006	22.0°C	5.07			.150	mS/cm	585.	NTU	0.0	G/L	-98
6 GAL.	5-7-02	1016	22.1°C	4.98			.163	"	999.	"	0.0	"	-105
		PULLED	SAMPLES -			1018							

Well purged to dryness: [ ] Yes [ ] No

Recorded by:	Date:	Reviewed by:	Date:

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA-37	5-6-02	0844	3.27'	38.19'	10.3 PPM
KBA-37	5-6-02	0950	3.28'		
					CALIB. DATE
					5-2-02

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA-37	5-6-02	0844	78.2°F	67%	30.21	CLEAR
KBA-37	5-6-02	0950	86.5°F	49%	30.21	PARTY CLOUDY

SAMPLING STATION

Well #	Station Type
KBA-11-37	MONITORING WELL

SAMPLE ~~KBA-11-37~~

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By
KBA11-37-MAY-7-02	WATER		GRAB	5-7-02	1330	T.B/J.C.

Instruments	Manufacturer/Mode	Serial No.	Date of Cal.	Calib.Due	Reference
pH/Eh	HORIBA U22	00921	5-2-02	CALIB. DAILY	
Conductivity/Temp					
Dissolved Oxygen					
Turbidity					
Redox					

GROUND LEVEL DATA (before purging)

Well Variables

Depth of water = (TD - H) = h (ft) [H = depth to top of water]

Inside diam. Of casing = d(in.); 1/2(d) = r(in.)

$\frac{r(in.)}{12(in.)}$ = R (ft); [7.48 gal/ft 3 constant]

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	Purge method: DRAW DOWN	Pump Type:

Prog Cyc	Date	Time	Temp (C)	pH	Eh	Units	Cond.	Units	Turb.	Units	D.O.	Units	Redox
2 GAL.	5-7-02	1334	24.26°C	5.45			.236	mS/cm	119	NTU	0.0	G/L	-141
4 GAL	5-7-02	1344	24.19°C	5.52			.241	mS/cm	1.68		0.0	G/L	-157
6 GAL	5-7-02	1356	24.15°C	5.47			.231	mS/cm	6.01		0.0	G/L	-155
WITHOUT	Flow	Thru.	25.39°C	5.55			.278		-3.9		0.0		-129
				SAMPLES - 1400									

Well purged to dryness: [ ] Yes [✓] No

Recorded by: Tommy Bryant	Date: 5-7-02	Reviewed by:	Date:

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA-36	5-6-02	1058	12.85'	41.35'	0.0 PPM
KBA-36	5-6-02	1401	12.85'		
					CALIB. DATE
					5-2-02

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA-36	5-6-02	1058	92.3°F	40%	30.18	SUNNY
KBA-36	5-6-02	1401	95.°F	30%	30.18	SUNNY

SAMPLING STATION

Well #	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

Instruments	Manufacturer/Mode	Serial No.	Date of Cal.	Calib.Due	Reference
pH/Eh					
Conductivity/Temp					
Dissolved Oxygen					
Turbidity					
Redox					

GROUND LEVEL DATA (before purging)

Well Variables

Depth of water = (TD - H) = h (ft) [H = depth to top of water]

Inside diam. Of casing = d(in.); 1/2(d) = r(in.)

$$\frac{r(in.)}{12(in.)} = R\ (ft);\ [7.48\ gal/ft\ 3\ constant]$$

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	Purge method:	Pump Type:

Prog Cyc	Date	Time	Temp (C)	pH	Eh	Units	Cond.	Units	Turb.	Units	D.O.	Units	Redox

Well purged to dryness: [ ] Yes [ ] No

Recorded by:	Date:	Reviewed by:	Date:

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA-34	5-6-02	1105	12.26'	40.77'	0.0 PPM
KBA-34	5-6-02	1405	12.26'		
					CALIB. DATE

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA-34	5-6-02	1105	91.4°F	40%	30.18	SUNNY
KBA-34	5-6-02	1405	95.°F	31%	30.18	SUNNY

SAMPLING STATION

Well #	Station Type
KBA-11-34	MONITORING WELL

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By
KBA11-34-MAY-8-02	WATER		GRAB	5-8-02	0944	TB/SD

Instruments	Manufacturer/Mode	Serial No.	Date of Cal.	Calib.Due	Reference
pH/Eh	HORIBA U22	D0921	5-2-02	CALIB. DAILY	
Conductivity/Temp	↓	↓	↓	↓	
Dissolved Oxygen					
Turbidity					
Redox	↓	↓	↓	↓	

GROUND LEVEL DATA (before purging)

Well Variables

Depth of water = (TD - H) = h (ft) [H = depth to top of water]

Inside diam. Of casing = d(in.); 1/2(d) = r(in.)

$\frac{r(in.)}{12(in.)}$ = R (ft); [7.48 gal/ft 3 constant]

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	Purge method:	Pump Type:

Prog Cyc	Date	Time	Temp (C)	pH	Eh	Units	Cond.	Units	Turb.	Units	D.O.	Units	Redox
2 GAL	5-8-02	0953	26.69°c	3.40			0.93	mS/cm	5.9	NTU	0.0	G/L	320
4 GAL	5-8-02	1002	27.03°c	3.59			1.09	mS/cm	10.7	"	0.0	"	267
6 GAL	5-8-02	1013	27.11°c	3.61			1.10	"	5.2	"	0.0		260
8 GAL	5-8-02	1022	27.12°c	3.65			1.10		4.5		0.0		260
				SAMPLES - 1025									

Well purged to dryness: [ ] Yes [✓] No

Recorded by:	Date:	Reviewed by:	Date:
Tommy Bryant	5-8-02		

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA-22B	5-6-02	1045	10.41'	52.28'	0.0 PPM
KBA-22B	5-6-02	1353	10.40'		
					CALIB. DATE
					5-2-02

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA-22B	5-6-02	1045	92°F	41%	30.18	SUNNY
KBA-22B	5-6-02	1353	95°F	35%	30.18	SUNNY

SAMPLING STATION

Well #	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

Instruments	Manufacturer/Mode	Serial No.	Date of Cal.	Calib.Due	Reference
pH/Eh					
Conductivity/Temp					
Dissolved Oxygen					
Turbidity					
Redox					

GROUND LEVEL DATA (before purging)

Well Variables

Depth of water = (TD - H) = h (ft) [H = depth to top of water]

Inside diam. Of casing = d(in.); 1/2(d) = r(in.)

$$\frac{r(in.)}{12(in.)} = R\ (ft);\ [7.48\ gal/ft\ 3\ constant]$$

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	Purge method:	Pump Type:

Prog Cyc	Date	Time	Temp (C)	pH	Eh	Units	Cond.	Units	Turb.	Units	D.O.	Units	Redox

Well purged to dryness: [ ] Yes [ ] No

Recorded by:	Date:	Reviewed by:	Date:

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA-21	5-6-02	0830	3.04'	40.27'	23.9 ppm
KBA-21	5-6-02	0941	3.04		
					CALIB DATE
					5-2-02

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA-21	5-6-02	0830	75.2°F	72%	30.18	CLEAR
KBA-21	5-6-02	0941	83.3°F	54%	30.18	PARTY CLOUDY

SAMPLING STATION

Well #	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

Instruments	Manufacturer/Mode	Serial No.	Date of Cal.	Calib.Due	Reference
pH/Eh					
Conductivity/Temp					
Dissolved Oxygen					
Turbidity					
Redox					

GROUND LEVEL DATA (before purging)

Well Variables

Depth of water = (TD - H) = h (ft) [H = depth to top of water]

Inside diam. Of casing = d(in.); 1/2(d) = r(in.)

$$\frac{r(in.)}{12(in.)} = R\ (ft);\ [7.48\ gal/ft\ 3\ constant]$$

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	Purge method:	Pump Type:

Prog Cyc	Date	Time	Temp (C)	pH	Eh	Units	Cond.	Units	Turb.	Units	D.O.	Units	Redox

Well purged to dryness: [ ] Yes [ ] No

Recorded by:	Date:	Reviewed by:	Date:

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA-20	5-6-02	0837	2.72'	39.84'	13.1 ppm
KBA-20	5-6-02	0945	2.73'		
					CALIB DATE
					5-2-02

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA-20	5-6-02	0837	76.1°F	71%	30.18	CLEAR
KBA-20	5-6-02	0945	85.9°F	49%	30.21	PARTY CLOUDY

SAMPLING STATION

Well #	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

Instruments	Manufacturer/Mode	Serial No.	Date of Cal.	Calib.Due	Reference
pH/Eh					
Conductivity/Temp					
Dissolved Oxygen					
Turbidity					
Redox					

GROUND LEVEL DATA (before purging)

Well Variables

Depth of water = (TD - H) = h (ft) [H = depth to top of water]

Inside diam. Of casing = d(in.); 1/2(d) = r(in.)

$$\frac{r(in.)}{12(in.)} = R\ (ft);\ [7.48\ gal/ft\ 3\ constant]$$

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	Purge method:	Pump Type:

Prog Cyc	Date	Time	Temp (C)	pH	Eh	Units	Cond.	Units	Turb.	Units	D.O.	Units	Redox

Well purged to dryness: [ ] Yes [ ] No

Recorded by:	Date:	Reviewed by:	Date:

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA-18	5-6-02	0912	2.96'	45.43'	26.7 PPM
KBA-18	5-6-02	1005	2.96'		
					CALIB. DATE
					5-2-02

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA-18	5-6-02	0912	81.5°F	64%	30.21	CLEAR
KBA-18	5-6-02	1005	90.1°F	42%	30.18	CLEAR TO PARTLY CLOUDY

SAMPLING STATION

Well #	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

Instruments	Manufacturer/Mode	Serial No.	Date of Cal.	Calib.Due	Reference
pH/Eh					
Conductivity/Temp					
Dissolved Oxygen					
Turbidity					
Redox					

GROUND LEVEL DATA (before purging)

Well Variables

Depth of water = (TD - H) = h (ft) [H = depth to top of water]

Inside diam. Of casing = d(in.); 1/2(d) = r(in.)

$$\frac{r(in.)}{12(in.)} = R\ (ft);\ [7.48\ gal/ft\ 3\ constant]$$

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	Purge method:	Pump Type:

Prog Cyc	Date	Time	Temp (C)	pH	Eh	Units	Cond.	Units	Turb.	Units	D.O.	Units	Redox

Well purged to dryness: [ ] Yes [ ] No

Recorded by:	Date:	Reviewed by:	Date:

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA-17B	5-6-02	0906	3.74'	44.44	8.3 PPM
KBA-17B	5-6-02	1001	3.74'		
					CALIB. DATE
					5-2-02

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA-17B	5-6-02	0906	79.7°F	66%	30.18	CLEAR
KBA-17B	5-6-02	1001	88.1°F	43	30.18	PARTLY CLOUDY

SAMPLING STATION

Well #	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

Instruments	Manufacturer/Mode	Serial No.	Date of Cal.	Calib.Due	Reference
pH/Eh					
Conductivity/Temp					
Dissolved Oxygen					
Turbidity					
Redox					

GROUND LEVEL DATA (before purging)

Well Variables

Depth of water = (TD - H) = h (ft) [H = depth to top of water]

Inside diam. Of casing = d(in.); 1/2(d) = r(in.)

$$\frac{r(in.)}{12(in.)} = R\ (ft);\ [7.48\ gal/ft\ 3\ constant]$$

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	Purge method:	Pump Type:

Prog Cyc	Date	Time	Temp (C)	pH	Eh	Units	Cond.	Units	Turb.	Units	D.O.	Units	Redox

Well purged to dryness: [ ] Yes [ ] No

Recorded by:	Date:	Reviewed by:	Date:

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA-16	5-6-02	0857	5.09'	44.45'	43.7 PPM
KBA-16	5-6-02	0957	5.09'		
					CALIB. DATE

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA-16	5-6-02	0857	79.7°F	63%	30.18	CLEAR
KBA-16	5-6-02	0957	87.0°F	43%	30.18	PARTLY CLOUDY

SAMPLING STATION

Well #	Station Type
KBA11-16	MONITORING WELL

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By
KBA11-16-MAY-7-02	WATER		GRAB	5-7-02	11:00	TB/JO

Instruments	Manufacturer/Mode	Serial No.	Date of Cal.	Calib.Due	Reference
pH/Eh	HORIBA U22	00921	5-2-02	CALIB. DAILY	
Conductivity/Temp					
Dissolved Oxygen					
Turbidity					
Redox					

GROUND LEVEL DATA (before purging)

Well Variables

Depth of water = (TD - H) = h (ft) [H = depth to top of water]

Inside diam. Of casing = d(in.); 1/2(d) = r(in.)

$\frac{r(in.)}{12(in.)}$ = R (ft); [7.48 gal/ft 3 constant]

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	Purge method:	Pump Type:

Prog Cyc	Date	Time	Temp (C)	pH	Eh	Units	Cond.	Units	Turb.	Units	D.O.	Units	Redox
2 GAL	5-7-02	1105	24.28°c	4.95			.135	mS/cm	5.95	NTU	0.0	G/L	-65
4 GAL	5-7-02	1115	24.33°c	4.86			.170	"	646		0.0	"	-153
6 GAL	5-7-02	1125	24.41°c	4.81			.188	"	655		0.0		-170
			PULLED SAMPLES - 1130										

Well purged to dryness: [ ] Yes [ ] No

Recorded by:	Date:	Reviewed by:	Date:

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA-15	5-6-02	0811	4.43'	38.9'	14.7 PPM
"	5-6-02	0930	4.43'		
					CALIB. DATE
					5-2-02

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA-15	5-6-02	0811	70.7°F	77%	30.21	CLEAR
KBA-15	5-6-02	0930	83.3°F	54%	30.18	CLEAR

SAMPLING STATION

Well #	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

Instruments	Manufacturer/Mode	Serial No.	Date of Cal.	Calib.Due	Reference
pH/Eh					
Conductivity/Temp					
Dissolved Oxygen					
Turbidity					
Redox					

GROUND LEVEL DATA (before purging)

Well Variables

Depth of water = (TD - H) = h (ft) [H = depth to top of water]

Inside diam. Of casing = d(in.); 1/2(d) = r(in.)

$$\frac{r(in.)}{12(in.)} = R\ (ft);\ [7.48\ gal/ft\ 3\ constant]$$

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	Purge method:	Pump Type:

Prog Cyc	Date	Time	Temp (C)	pH	Eh	Units	Cond.	Units	Turb.	Units	D.O.	Units	Redox

Well purged to dryness: [ ] Yes [ ] No

Recorded by:	Date:	Reviewed by:	Date:

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA- 13B	5-6-02	1323	13.38'	90.52'	0.0 PPM
KBA- 13B	5-6-02	1413	13.38'		
					CALIB. DATE
					5-2-02

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA- 13B	5-6-02	1323	92.3°F	47%	30.18	SUNNY to PARTLY CLOUDY
KBA-13B	5-6-02	1413	94°F	39%	30.18	SUNNY

SAMPLING STATION

Well #	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

Instruments	Manufacturer/Mode	Serial No.	Date of Cal.	Calib.Due	Reference
pH/Eh					
Conductivity/Temp					
Dissolved Oxygen					
Turbidity					
Redox					

GROUND LEVEL DATA (before purging)

Well Variables

Depth of water = (TD - H) = h (ft) [H = depth to top of water]

Inside diam. Of casing = d(in.); 1/2(d) = r(in.)

$$\frac{r(in.)}{12(in.)} = R\ (ft);\ [7.48\ gal/ft\ 3\ constant]$$

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	Purge method:	Pump Type:

Prog Cyc	Date	Time	Temp (C)	pH	Eh	Units	Cond.	Units	Turb.	Units	D.O.	Units	Redox

Well purged to dryness: [ ] Yes [ ] No

Recorded by:	Date:	Reviewed by:	Date:

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA-13A	5-6-02	1330	9.47'	42.29'	0.0 PPm
KBA-13A	5-6-02	1417	9.46'		
					CALIB. DATE
					5-2-02

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA-13A	5-6-02	1330	92.3°F	38%	30.18	SUNNY TO
KBA-13A	5-6-02	1417	94°F	40%	30.18	PARTLY CLOUDY SUNNY

SAMPLING STATION

Well #	Station Type
KBA-11-13A	MONITORING WELL

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By
KBA11-13A-MAY-8-02	WATER		GRAB	5-8-02	1040	T.B/J.C

Instruments	Manufacturer/Mode	Serial No.	Date of Cal.	Calib.Due	Reference
pH/Eh	HORIBA U22	00921	5-2-02	CALIB. DAILY	
Conductivity/Temp	↓	↓	↓	↓	
Dissolved Oxygen					
Turbidity					
Redox	↓	↓	↓	↓	

GROUND LEVEL DATA (before purging)

Well Variables

Depth of water = (TD - H) = h (ft) [H = depth to top of water]

Inside diam. Of casing = d(in.); 1/2(d) = r(in.)

$\frac{r(in.)}{12(in.)}$ = R (ft); [7.48 gal/ft 3 constant]

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	Purge method:	Pump Type:

Prog Cyc	Date	Time	Temp (C)	pH	Eh	Units	Cond.	Units	Turb.	Units	D.O.	Units	Redox
2 GAL.	5-8-02	1047	23.84	4.74			1.40	mS/cm	5.2	NTU	0.0		-26
4 GAL.	5-8-02	1057	23.79	4.68			1.45	"	8.3	"	0.0		-40
6 GAL.	5-8-02	1108	24.10	4.47			1.60	"	48.6	"	0.0		-20
8 GAL	5-8-02	1115	23.89	4.46			1.66	"	48.7	"	0.0		-16
				SAMPLES		1116	REG						
						1118	DUP						
						1120	MS/MSD						
						1135	RINSATE BLANK						
						1150	FIELD BLANK						

Well purged to dryness: [ ] Yes [✓] No

Recorded by:	Date:	Reviewed by:	Date:
Tommy Bryant	5-8-02		

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA-11A	5-6-02	1028	9.68'	36.81	0.0 PPM
KBA-11A	5-6-02		9.69'		
					CALIB. DATE
					5-2-02

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA-11A	5-6-02	1028	86.9°F	50%	30.21	PARTLY CLOUDY
KBA-11A	5-6-02	1342	92.3°F	41%	30.18	SUNNY

SAMPLING STATION

Well #	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

Instruments	Manufacturer/Mode	Serial No.	Date of Cal.	Calib.Due	Reference
pH/Eh					
Conductivity/Temp					
Dissolved Oxygen					
Turbidity					
Redox					

GROUND LEVEL DATA (before purging)

Well Variables

Depth of water = (TD - H) = h (ft) [H = depth to top of water]

Inside diam. Of casing = d(in.); 1/2(d) = r(in.)

$$\frac{r(in.)}{12(in.)} = R\ (ft);\ [7.48\ gal/ft\ 3\ constant]$$

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	Purge method:	Pump Type:

Prog Cyc	Date	Time	Temp (C)	pH	Eh	Units	Cond.	Units	Turb.	Units	D.O.	Units	Redox

Well purged to dryness: [ ] Yes [ ] No

Recorded by:	Date:	Reviewed by:	Date:

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA-10B	5-6-02	1052	12.40'	51.36'	0.0 PPM
KBA-10B	5-6-02	1358	12.40'		
					CALIB. DATE
					5-2-02

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA-10B	5-6-02	1052	92.1°F	40%	30.18	SUNNY
KBA-10B	5-6-02	1358	92.5°F	31%	30.18	SUNNY

SAMPLING STATION

Well #	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

Instruments	Manufacturer/Mode	Serial No.	Date of Cal.	Calib.Due	Reference
pH/Eh					
Conductivity/Temp					
Dissolved Oxygen					
Turbidity					
Redox					

GROUND LEVEL DATA (before purging)

Well Variables

Depth of water = (TD - H) = h (ft) [H = depth to top of water]

Inside diam. Of casing = d(in.); 1/2(d) = r(in.)

$$\frac{r(in.)}{12(in.)} = R\ (ft);\ [7.48\ gal/ft\ 3\ constant]$$

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	Purge method:	Pump Type:

Prog Cyc	Date	Time	Temp (C)	pH	Eh	Units	Cond.	Units	Turb.	Units	D.O.	Units	Redox

Well purged to dryness: [ ] Yes [ ] No

Recorded by:	Date:	Reviewed by:	Date:

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA- 8B	5-6-02	1020	12.24'	43.48'	1.6 PPM
KBA-8B	5-6-02	1340	12.25'		
					CALIB. DATE
					5-2-02

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA- 8B	5-6-02	1020	85.5°F	56%	30.18	PARTLY CLOUDY
KBA-8B	5-6-02	1340	92.1°F	44%	30.18	SUNNY TO PARTLY CLOUDY

SAMPLING STATION

Well #	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

Instruments	Manufacturer/Mode	Serial No.	Date of Cal.	Calib.Due	Reference
pH/Eh					
Conductivity/Temp					
Dissolved Oxygen					
Turbidity					
Redox					

GROUND LEVEL DATA (before purging)

Well Variables

Depth of water = (TD - H) = h (ft) [H = depth to top of water]

Inside diam. Of casing = d(in.); 1/2(d) = r(in.)

$$\frac{r(in.)}{12(in.)} = R\ (ft);\ [7.48\ gal/ft\ 3\ constant]$$

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	Purge method:	Pump Type:

Prog Cyc	Date	Time	Temp (C)	pH	Eh	Units	Cond.	Units	Turb.	Units	D.O.	Units	Redox

Well purged to dryness: [ ] Yes [ ] No

Recorded by:	Date:	Reviewed by:	Date:

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA-3B	5-6-02	1038	8.74'	47.44'	9.6 PPM
KBA-3B	5-6-02	1350	8.75'		
					CALIB. DATE
					5-2-02

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA-3B	5-6-02	1038	90.0°F	36%	30.21	SUNNY
KBA-3B	5-6-02	1350		36%	30.18	SUNNY

SAMPLING STATION

Well #	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

Instruments	Manufacturer/Mode	Serial No.	Date of Cal.	Calib.Due	Reference
pH/Eh					
Conductivity/Temp					
Dissolved Oxygen					
Turbidity					
Redox					

GROUND LEVEL DATA (before purging)

Well Variables

Depth of water = (TD - H) = h (ft) [H = depth to top of water]

Inside diam. Of casing = d(in.); 1/2(d) = r(in.)

$$\frac{r(in.)}{12(in.)} = R\ (ft);\ [7.48\ gal/ft\ 3\ constant]$$

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	Purge method:	Pump Type:

Prog Cyc	Date	Time	Temp (C)	pH	Eh	Units	Cond.	Units	Turb.	Units	D.O.	Units	Redox

Well purged to dryness: [ ] Yes [ ] No

Recorded by:	Date:	Reviewed by:	Date:

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA-11-02	5-6-02	1114	9.71'	10.90'	0.0 PPM
KBA-11-02	5-6-02	1406	9.71'		
					CALIB. DATE
					5-2-02

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA-11-02	5-6-02	1114	90.6°F	42%	30.18	SUNNY
KBA-11-02	5-6-02	1406	95.°F	35%	30.18	SUNNY

SAMPLING STATION

Well #	Station Type
KBA-11-02	MONITORING WELL

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By
	WATER		GRAB	5-7-02	0845	TB/JC

Instruments	Manufacturer/Mode	Serial No.	Date of Cal.	Calib.Due	Reference
pH/Eh	HORIBA U22	00921	~~CALIB.~~ 5-2-02	CALIB. DAILY	
Conductivity/Temp					
Dissolved Oxygen					
Turbidity					
Redox					

GROUND LEVEL DATA (before purging)

Well Variables

Depth of water = (TD - H) = h (ft) [H = depth to top of water]

Inside diam. Of casing = d(in.); 1/2(d) = r(in.)

$\frac{r(in.)}{12(in.)}$ = R (ft); [7.48 gal/ft 3 constant]

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	Purge method:	Pump Type:

Prog Cyc	Date	Time	Temp (C)	pH	Eh	Units	Cond.	Units	Turb.	Units	D.O.	Units	Redox
2 GAL.	5-7-02	0850	22.1°C.	6.44			.163	S/cm	2.2	NTU	1.53	G/L	-89
4 GAL	5-7-02	0855	22.1°C	6.48			.165	S/cm	26.6	NTU	0.0	G/L	-101
6 GAL	5-7-02	0901	22.1°C	6.46			.166	"	40.8	"	0.0	"	-103
8 GAL		0906	22.1°C	6.42			.167	"	53.1	"	0.0	"	-105
	SAMPLE	PULLED		- 0910									

Well purged to dryness: [ ] Yes [ ] No

Recorded by:	Date:	Reviewed by:	Date: