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QUARTERLY GROUNDWATER MONITORING REPORT FOR SITE 11 OCTOBER - DECEMBER 2001 NSB KINGS BAY GA

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J A JONES MANAGEMENT SERVICES

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Quarterly Groundwater Monitoring Report

October - December 2001
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
OCTOBER – DECEMBER 2001
DRAFT

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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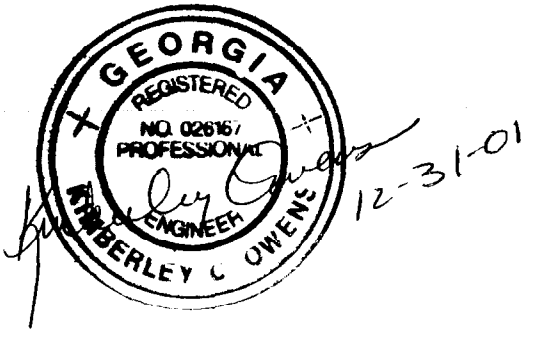
The work described and professional opinions rendered in this document, *Quarterly Groundwater Monitoring Report, October - December 2001, Site 11, Old Camden County Landfill, Naval Submarine Base Kings Bay, Georgia* were conducted and developed using commonly accepted procedures consistent with applicable 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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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 and remediation progress from October 2001 – December 2001. The report presents a summary of 1) the quarterly groundwater monitoring; 2) overall status of remediation; and 3) projected work for the next six months.

2.0 SUMMARY OF ACTIVITIES

Quarterly groundwater sampling was conducted by JAJMS on November 6-7, 2001. Activities included well inspections, well measurements, and groundwater sampling and analysis.

Weather conditions during the sampling event November 6-7, 2001 were extremely mild and dry with temperatures from the middle 60's in the morning to the middle 70's in the afternoon. There was no significant rainfall in the week preceding the November 6-7, 2001 sampling event. For the month of October 2001 preceding the November sampling event, 0.51 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 been slowly decreasing.

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 November 6, 2001. Stabilization of static water level was when two consecutive readings were 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 8.5 ppm. The highest reading of 8.5 ppm was observed at well KBA-11-18. Table 1 presents a summary of headspace readings.

3.2 Well Measurements

Depth to water ranged from 2.04 feet below the top of the well casing (21.03 feet MSL) to 12.33 feet below the top of the casing (22.53 feet MSL). KBA-11-37 static water level required three measurements to meet stabilization criteria. Barometric pressure ranged from 30.09 inches in the morning to 30.12 inches in the late afternoon. Ambient temperature ranged from 68.9°F. at start of well measurements to 77.9°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 November 2001 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. All samples were submitted to Columbia Analytical Laboratories. Table 4 shows a summary of the results for the Groundwater Protection Standards.

Naphthalene was added to the Groundwater Protection Standard list this quarter. The proposed standard criteria is 20 ug/L. 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 (20 ug/L), Chlorobenzene (2.3 ug/L) and naphthalene (29 ug/L) were exceeded in KBA-11-13A.
- Trichloroethene (24 ug/L), Chlorobenzene (2.6 ug/L) and Naphthalene (30 ug/L) were exceeded in KBA-11-13A Duplicate.
- 1,1-Dichloroethane (32 ug/L) was exceeded in KBA-11-16.
- Tetrachloroethene (97 ug/L) was exceeded in KBA-11-34.
- Chlorobenzene (3.8 ug/L) and Naphthalene (25 ug/L) were exceeded in KBA-11-37.
- Vinyl Chloride (3.0 ug/L), 1,1-Dichloroethane (4.1 ug/L), Chlorobenzene (1.2 ug/L) and Cis-1, 2 – Dichlorethene (110 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.

Tetrachloroethene (97 ug/L) continues to exceed the Groundwater Protection Standard at source area well KBA-11-34 and the concentration has increased from the previous quarters.

Immediately downgradient to the source area at well KBA-11-13A, Trichloroethene (20 ug/L) and Chlorobenzene (2.3 ug/L) remain above the Standards (Figures 3 and 4), although there was a decrease in these concentrations from the previous quarter. Naphthalene (29 ug/L) was detected above the standard.

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 and Naphthalene exceeding the standards. The Chlorobenzene concentration has increased from previous quarters. However, total chlorinated ethene concentrations have decreased from previous quarters.

Offsite well KBA-11-16 shows 1,1-Dichloroethane as exceeding the standard and an increase from the previous quarters.

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. The analytical data from September 2001 to November 2001 is summarized in Table 5.

Trichloroethene was the only constituent detected at 102 Plantation Court in the October and November 2001 samples, but at concentrations below detection levels.

Vinyl Chloride (6.4 ug/L November 2001) continues to be detected above the standards at 122 Plantation Ct.

Cis-1, 2-dichloroethene (10 ug/L July 2001) has been detected at 108 Cottage Ct., but at concentrations less than the Standards.

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 two constituents 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

(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 wells KBA-11-13A and KBA-11-37.

(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 February 2002.

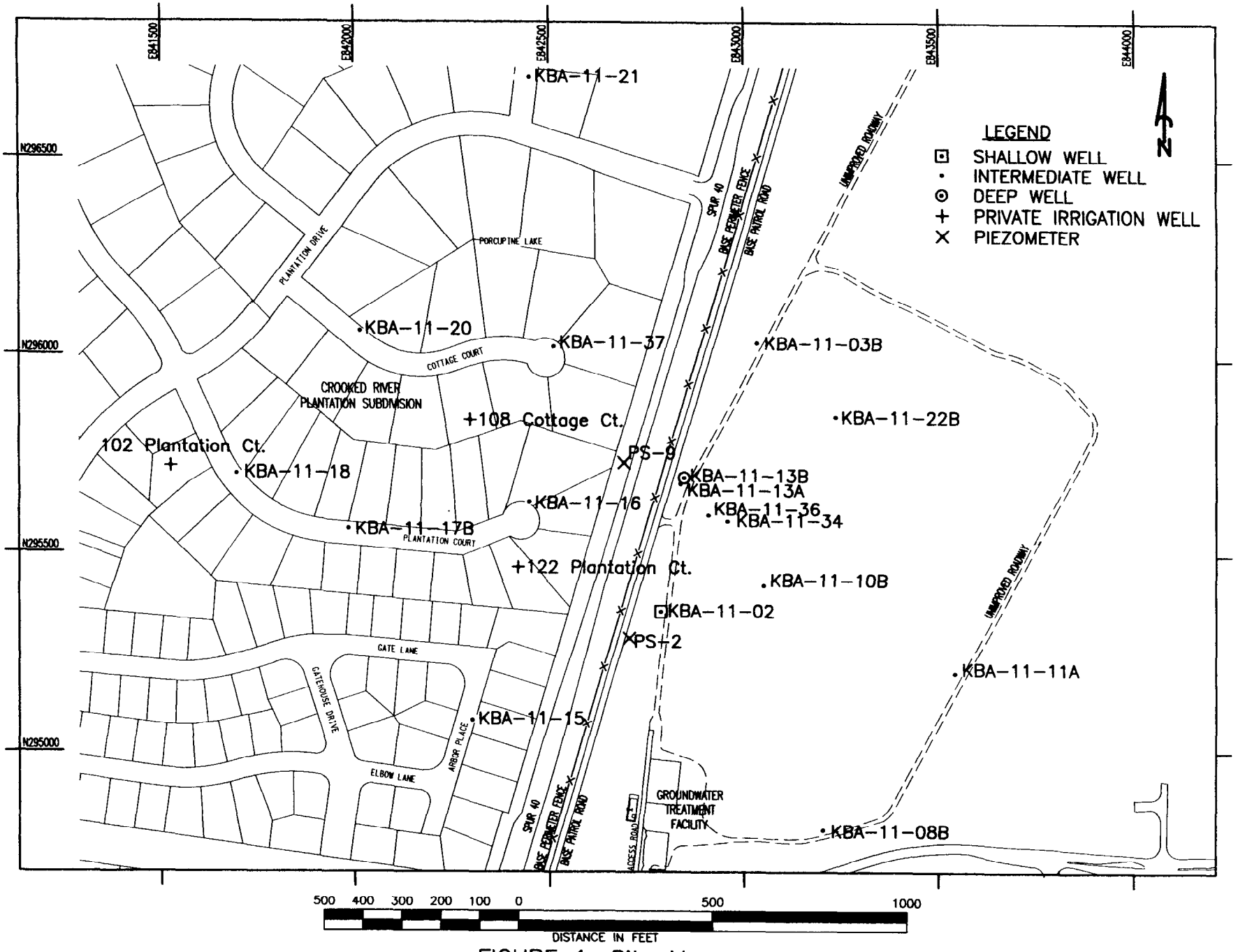
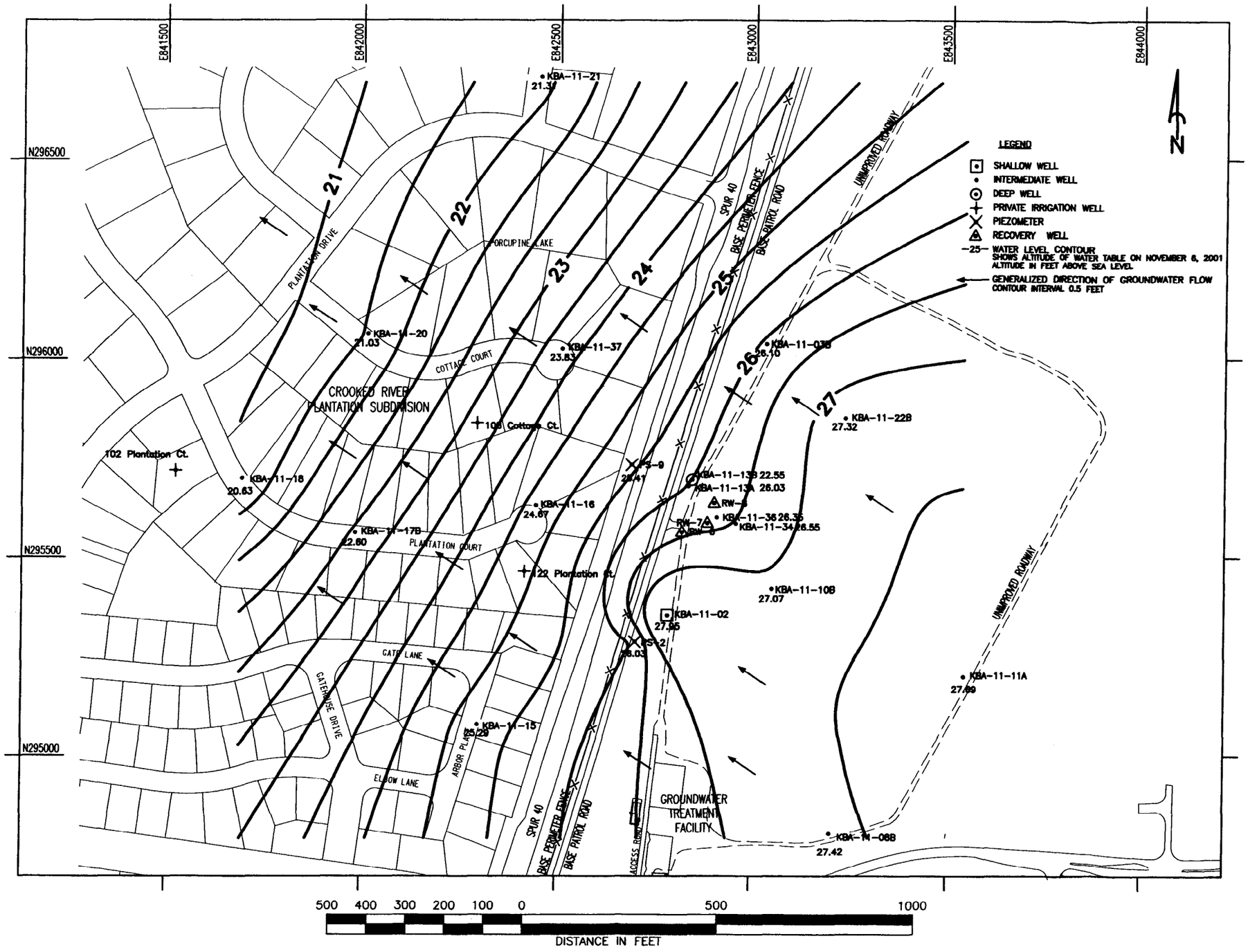


FIGURE 1: Site Map



Groundwater Elevation Map–November 2001 Contour Interval=0.5 ft

FIGURE 2: Site 11, Groundwater Elevation Map–November 2001

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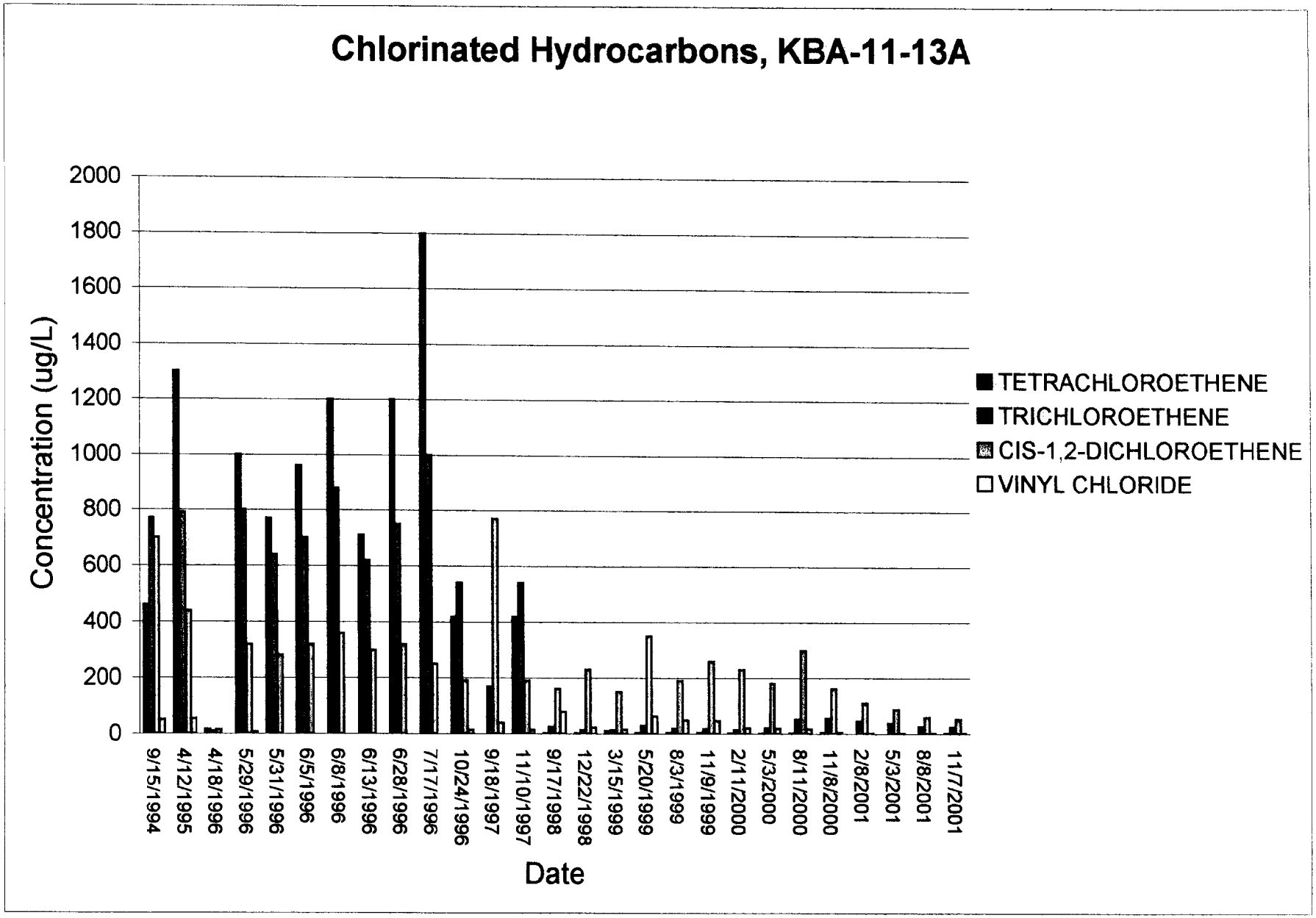
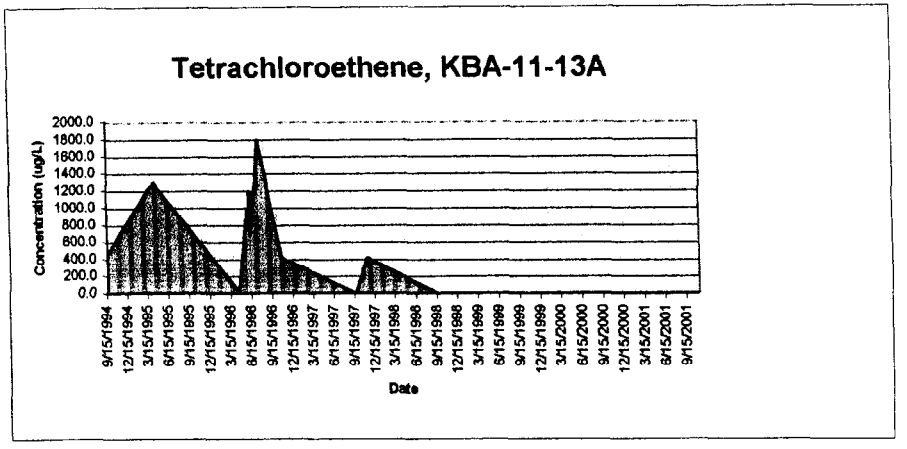
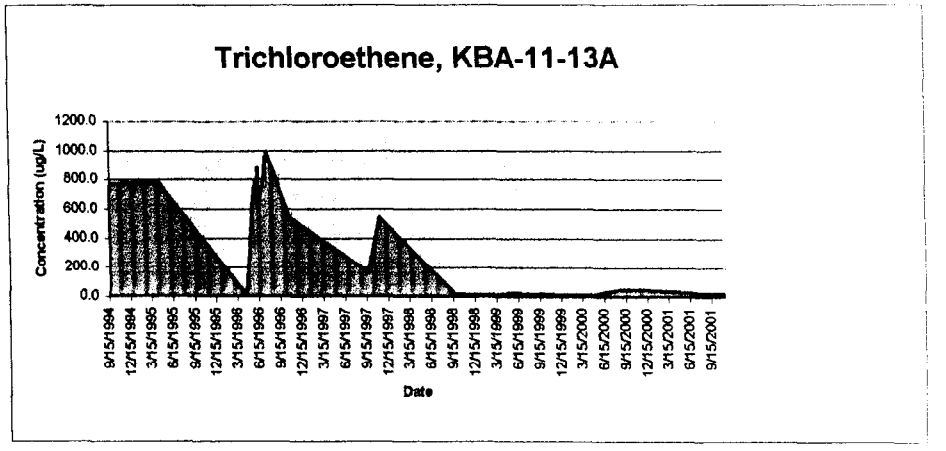
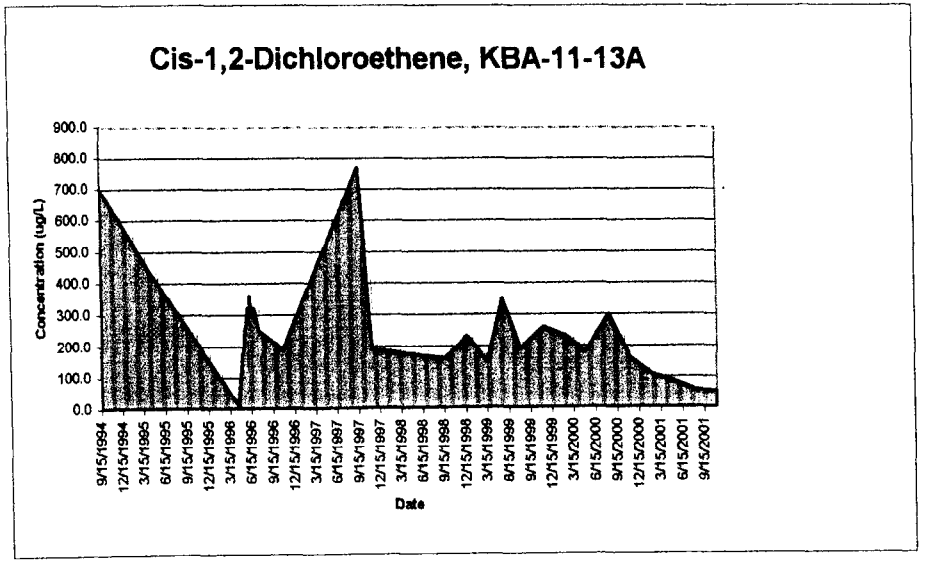


FIGURE 3 - CHLORINATED HYDROCARBONS, KBA-11-13A







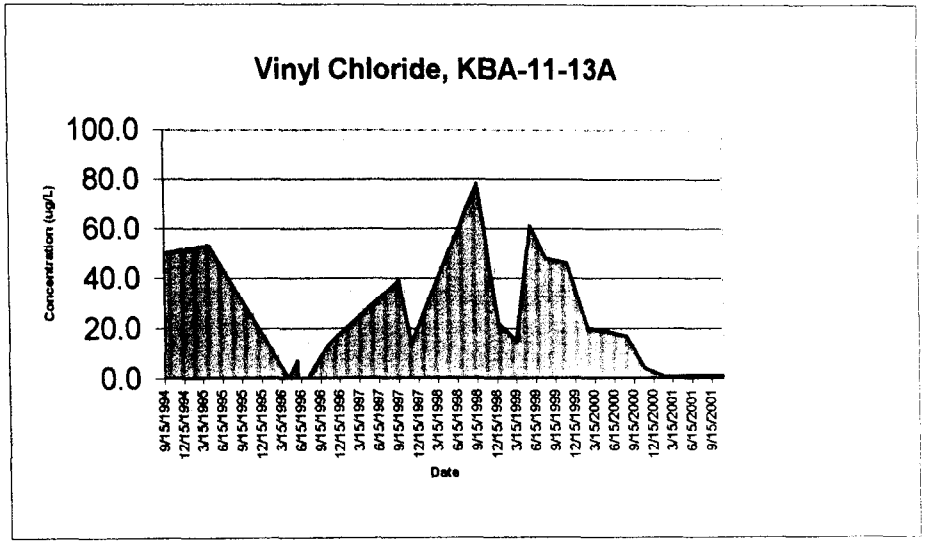


FIGURE 4 - CHLORINATED HYDROCARBON TRENDS, WELL KBA-11-13A

Table 1
Headspace Readings

Well Identification (coordinates)	Date	PID Measurement (ppm)	Barometer Pressure (Inches of Hg)	Temperature (F°)
KBA-11-02	11-6-01	0.0	30.15	70.7
(N295339.68)	8-7-01	19.1	30.12	79.7
(E842781.27)	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	11-6-01	0.0	30.12	72.5
(N296023.77)	8-7-01	2.4	30.12	94.6
(E843026.64)	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	11-6-01	0.0	30.12	73.4
(N294792.40)	8-7-01	0.0	30.12	96.4
(E843215.42)	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		
KBA-11-10B	11-6-01	0.0	30.15	68.0
(N295407.32)	8-7-01	0.0	30.12	94.7
(E843044.79)	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		

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-11-11A	11-6-01	0.0	30.12	74.3
(N295185.73)	8-7-01	0.0	30.12	92.4
(E843535.58)	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	11-6-01	0.0	30.15	70.7
(N295665.45)	8-7-01	2.8	30.12	88.7
(E842831.00)	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		
KBA-11-13B	11-6-01	0.0	30.12	70.2
(N295694.10)	8-7-01	0.0	30.12	92.6
(E842848.12)	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	11-6-01	0.0	30.09	74.3
(N295065.19)	8-7-01	0.0	30.06	91.2
(E842294.15)	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		

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-11-16	11-6-01	3.2	30.12	77.0
(N295617.50)	8-7-01	0.0	30.06	94.2
(E842440.32)	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		
KBA-11-17B	11-6-01	7.5	30.12	77.9
(N295549.12)	8-7-01	0.0	30.06	92.9
(E841977.77)	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	11-6-01	8.5	30.12	77.9
(N295686.28)	8-7-01	0.0	30.09	93.2
(E8421688.80)	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	11-6-01	0.5	30.09	75.2
(N296049.30)	8-7-01	0.0	30.09	91.3
(E842007.67)	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	11-6-01	0.0	30.09	73.4
(N296691.67)	8-7-01	0.0	30.06	93.9
(E842443.34)	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	11-6-01	0.0	30.12	73.4
(N295837.13)	8-7-01	14.7	30.12	91
(E843229.11)	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	11-6-01	0.0	30.15	70.7
(N295584.23)	8-7-01	0.0	30.12	92.7
(E842959.34)	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		
KBA-11-36	11-6-01	0.0	30.15	70.7
(N295599.75)	8-7-01	0.0	30.12	92.8
(E842909.65)	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		

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-11-37	11-6-01	2.8	30.09	75.2
(N295994.01)	8-7-01	0.0	30.09	93.1
(E842501.99)	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	11-6-01	0.0	30.15	70.7
(N295286.12)	8-7-01	0.0	30.12	91.4
(E842704.24)	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	11-6-01	0.03	30.09	68.9
(N295732.70)	8-7-01	0.0	30.06	91.2
(E842689.44)	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	11-6-01	36.02	8.07	27.95	15.00	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	11-6-01	33.49	7.39	26.10	47.00	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	11-6-01	38.20	10.78	27.42	43.00	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
KBA-11-10B	11-6-01	38.03	10.96	27.07	51.50	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

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-11-11A	11-6-01	35.85	8.16	27.69	37.00	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	11-6-01	34.20	8.17	26.03	42.50	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
KBA-11-13B	11-6-01	34.86	12.33	22.53	90.70	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

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-11-15	11-6-01	28.49	3.20	25.29	39.00	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	11-6-01	28.66	3.99	24.67	44.90	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
KBA-11-17B	11-6-01	25.41	2.81	22.60	44.80	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	11-6-01	22.81	2.18	20.63	45.80	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

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-11-20	11-6-01	23.07	2.04	21.03	40.00	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
KBA-11-21	11-6-01	23.56	2.25	21.31	40.40	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	11-6-01	36.13	8.81	27.32	52.60	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	11-6-01	37.51	10.96	26.53	40 est	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	11-6-01	37.91	11.56	26.35	40 est	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	11-6-01	26.26	2.43	23.83	38.50	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	11-6-01	32.71	6.68	26.03	40.67	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
PS-9	11-6-01	28.72	3.31	25.41	35.45	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

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)
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	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	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

Table 3 continued on following page

°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
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	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	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

Table 3 continued on following page

°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
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	11-7-01	8	23.7	5.57	-72	0.618	.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	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		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	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	NS	1.0U	1.0U	1.0U	1.0U
Cis -1,2-dichloroethene	70	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	NS	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethene	7.0	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	NS	1.0U	1.0U	1.0U	1.0U
1,2-dichloroethane	5.0	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	NS	1.0U	1.0U	1.0U	1.0U
Chloroethane	1.0	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	NS	1.0U	1.0U	1.0U	1.0U
Ethylbenzene	700	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	NS	1.0U	1.0U	1.0U	1.0U
Total xylenes	10,000	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	NS	1.0U	1.0U	1.0U	1.0U
1,4-dichlorobenzene	75	1.0U	1.0U	1.0U	1.0U	1.0U	NS	1.0U	1.0U	1.0U	1.0U
Naphthalene	20	4.8JB	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 Continued
Analytical Summary, Groundwater Protection Standard

Groundwater Protection Standard	Criteria (µg/L)	KBA -11-13A								
Date		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	8-10-00 (Duplicate)
Tetrachloroethene	5.0	0.86J	0.66J	1.6	0.77J	0.59J	0.8	3.0U	1.0U	1.0U
Trichloroethene	5.0	**24**	**20**	**32**	**26**	**37.0**	**45.0**	**54.0**	**51.0**	**40.0**
Cis -1,2-dichloroethene	70	52	44	**71**	59	**88**	**110**	**160**	**300 E**	**190**
Trans-1,2 dichloroethene	100	4.7	4.0	6.4	5.4	6.6	8.0	7.0	9.0	7.0
1,1-dichloroethene	7.0	1.0U	1.0U	0.44J	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
1,2-dichloroethane	5.0	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	0.9	0.9	**4.0**	**17.0**	**11.0**
Chloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Benzene	5.0	0.36J	0.34J	0.43J	0.31J	0.33J	1.0	1.0	1.0	1.0
Ethylbenzene	700	16	14	22	14	20	34	57	71	51.0
Toluene	1,000	0.28J	0.24J	0.43J	0.30J	0.46J	1.0U	1.0U	0.9	0.7
Total xylenes	10,000	3.0U	3.0U	0.56J	0.37J	0.33J	3.0U	2.0U	0.7	3.0
Chlorobenzene	1.0	**2.6**	**2.3**	**3.1**	**2.1**	**2.4**	**3.0**	**5.0**	**5.0**	**4.0**
1,4-dichlorobenzene	75	2.1B	1.7B	1.4	1.4	1.4	1.0U	3.0	3.0	2.0
Naphthalene	20	**30**	**29B**	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-11-13A continued				
Date		5-3-00	2-4-00	11-9-99	11-9-99 Duplicate	8-3-99
Tetrachloroethene	5.0	1.0U	1.0U	30U	3.0U	3.0U
Trichloroethene	5.0	**20.0**	**14.0**	**15I**	**17**	**19**
Cis -1,2-dichloroethene	70	**180**	**230**	**260**	**210**	**190**
Trans-1,2 dichloroethene	100	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
1,1-dichloroethane	1.0	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
Vinyl Chloride	2.0	**19.0**	**20.0**	**46**	**42**	**48**
Chloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U
Benzene	5.0	2.0	2.0	1.0U	1.3I	1.1I
Ethylbenzene	700	67	64.0	65	92	66
Toluene	1,000	2.0	2.0	1.0U	4.2	2.7
Total xylenes	10,000	4.0	23.0	24I	49	14.4
Chlorobenzene	1.0	**5.0**	**6.0**	1.0U	**8.2**	**6.2**
1,4-dichlorobenzene	75	3.0	4.0	1.0U	5.2	4.0

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-11-13B			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
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-11-16										
Date		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	8-3-99
Tetrachloroethene	5.0	1.0U	1.0U	1.0U	1.0U	2.0	1.0U	1.0U	1.0U	1.0U	3.0U	3.0U
Trichloroethene	5.0	0.72J	0.42J	0.31J	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Cis -1,2-dichloroethene	70	28	30	32	34.0	8.0	2.0	2.0	2.0	14.0	3.6	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
1,1-dichloroethene	7.0	1.7	1.8	1.3	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethane	1.0	**32**	**26**	**15**	**11.0**	**2.0**	**2.0**	1.0U	0.6U	**5.0**	1.6I	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
Vinyl Chloride	2.0	1.1	1.1	**3.4**	**4.0**	1.0U	1.0U	1.0U	1.0U	1.0	1.4I	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
Benzene	5.0	1.2	1.2	0.96J	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Ethylbenzene	700	2.4	1.8	0.99J	1.0U	1.0U	0.8J	1.0U	1.0U	1.0U	1.0U	1.0U
Toluene	1,000	26	15	5.4	1.0U	3.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Total xylenes	10,000	3.1	1.7J	0.86J	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
1,4-dichlorobenzene	75	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Naphthalene	20	1.0U	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		8-9-01	8-9-00	2-7-00	8-3-99	8-3-99
Tetrachloroethene	5.0	1.0U	1.0U	1.0U	3.0U	**17**
Trichloroethene	5.0	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
Trans-1,2 dichloroethene	100	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
1,1-dichloroethane	1.0	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
Vinyl Chloride	2.0	1.0U	1.0U	1.0U	1.0U	1.0U
Chloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U
Benzene	5.0	1.0U	1.0U	1.0U	1.0U	1.0U
Ethylbenzene	700	1.0U	1.0U	1.0U	1.0U	1.0U
Toluene	1,000	1.0U	1.0U	1.0U	1.0U	1.0U
Total xylenes	10,000	3.0U	3.0U	3.0U	3.0U	3.0U
Chlorobenzene	1.0	1.0U	1.0U	1.0U	1.0U	1.0U
1,4-dichlorobenzene	75	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		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	**97**	**35**	**62.0**	**73.0**	**79.0**	**63.0**	**89.0**	**83.0**	**22**	**17**
Trichloroethene	5.0	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	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	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
1,1-dichloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,2-dichloroethane	5.0	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
Chloroethane	1.0	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
Ethylbenzene	700	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	0.24J	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Total xylenes	10,000	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
1,4-dichlorobenzene	75	0.47JB	0.56J	0.41J	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Naphthalene	20	4.5JB	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-11-37**										
Date		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	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
Cis -1,2-dichloroethene	70	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
1,1-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
1,1-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
1,2-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
Vinyl Chloride	2.0	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
Benzene	5.0	1.1	1.3	1.3	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1
Ethylbenzene	700	8.2	13	10.0	13.0	10.0	11.0	7.0	1.0U	9.0	14	15
Toluene	1,000	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	0.18J	3.0U	2.0U	2.0U	3.0	12.0	3.0U	3.0U	3.0U
Chlorobenzene	1.0	**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	2.4B	3.1	2.6	1.0U	4.0	3.0	3.0	3.0	3.0	4.7	3.6
Naphthalene	20	**25**	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		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	0.14J	1.0U	3.0U	1.0U	1.0U	1.0U	3.0U	3.0U
Trichloroethene	5.0	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	**110**	**99**	**79.0**	**71.0**	**61.0**	**58.0**	57.0	52.0	40	41
Trans-1,2 dichloroethene	100	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
1,1-dichloroethane	1.0	**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	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**	**2.4**	**2.4**	**3.0**	**3.0**	**2.0**	1.0U	**2.0**	**2.9**	3.2I
Chloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Benzene	5.0	2.7	3.4	3.7	4.0	**5.0**	**6.0**	**8.0**	**8.0**	**9.4**	**9.1**
Ethylbenzene	700	20.0	22.0	22.0	18.0	18.0	14.0	16.0	14.0	16	10
Toluene	1,000	1.9	2.7	2.9	3.0	5.0	8.0	19.0	37.0	57	43
Total xylenes	10,000	2.4J	3.5	3.6	4.0	7.0	19.0	41.0	40.0	47	29
Chlorobenzene	1.0	**1.2**	0.92J	0.59J	0.5J	1.0	0.5	0.7	1.0U	1.0U	1.0U
1,4-dichlorobenzene	75	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Naphthalene	20	3.7JB	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										
Date		11-01	10-01	9-01	8-01	7-01	6-01	5-01	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	1.0U	1.0U	1.0U
Trichloroethene	5.0	0.53J	0.027J	1.0U	**9.9**	1.0U	1.0U	1.0U	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	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
1,1-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
1,1-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
1,2-dichloroethane	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	0.10J	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	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
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
Ethylbenzene	700	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
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
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
1,4-dichlorobenzene	75	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Naphthalene	20	3.3J	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.

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					
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										
Date		11-01	10-01	9-01	8-01	7-01	6-01	5-01	4-01	3-01	2-01	1-01
Tetrachloroethene	5.0	1.0U	1.0U	1.0U	NM	1.0U	1.0U	1.0U	1.0U	NM	NM	NM
Trichloroethene	5.0	1.0U	1.0U	1.0U	NM	1.0U	1.0U	1.0U	1.0U	NM	NM	NM
Cis -1,2-dichloroethene	70	1.3	2.2	1.0U	NM	10	3.8	6.8	3.1	NM	NM	NM
Trans-1,2 dichloroethene	100	1.0U	1.0U	1.0U	NM	1.0U	1.0U	1.0U	1.0U	NM	NM	NM
1,1-dichloroethene	7.0	1.0U	1.0U	1.0U	NM	1.0U	1.0U	1.0U	1.0U	NM	NM	NM
1,1-dichloroethane	1.0	1.0U	1.0U	1.0U	NM	1.0U	1.0U	1.0U	1.0U	NM	NM	NM
1,2-dichloroethane	5.0	1.0U	1.0U	1.0U	NM	0.32J	1.0U	1.0U	1.0U	NM	NM	NM
Vinyl Chloride	2.0	1.0U	1.0U	1.0U	NM	1.0U	1.0U	1.0U	1.0U	NM	NM	NM
Chloroethane	1.0	1.0U	1.0U	1.0U	NM	1.0U	1.0U	1.0U	1.0U	NM	NM	NM
Benzene	5.0	1.0U	1.0U	1.0U	NM	1.0U	1.0U	1.0U	1.0U	NM	NM	NM
Ethylbenzene	700	1.0U	1.0U	1.0U	NM	1.0U	1.0U	1.0U	1.0U	NM	NM	NM
Toluene	1,000	1.0U	1.0U	1.0U	NM	1.0U	1.0U	1.0U	1.0U	NM	NM	NM
Total xylenes	10,000	3.0U	3.0U	3.0U	NM	3.0U	3.0U	3.0U	7.0U	NM	NM	NM
Chlorobenzene	1.0	1.0U	1.0U	1.0U	NM	1.0U	1.0U	1.0U	1.0U	NM	NM	NM
1,4-dichlorobenzene	75	1.0U	1.0U	1.0U	NM	1.0U	1.0U	1.0U	1.0U	NM	NM	NM
Naphthalene	20	1.0U	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.

Table 5 Continued
Analytical Summary, Groundwater Protection Standard

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

NM – Not measured. Irrigation well is closed for the winter.

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.

APPENDIX A

WELL PURGING AND SAMPLING RECORDS
SITE 11 GROUNDWATER MONITORING PROGRAM
NOVEMBER 2001

SAMPLING STATION

Well #	Station Type
KBA-11-02	MONITORING WELL

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By
KBA11-02-NOV-7-01	WATER		GRAB	11-7-01	0810	TB/MC

Weather Conditions: TIME 13:13 PM TEMP 72.5 HUM 40% CLEAR/SUNNY BP. 30.15
13:49 PM 70.7 45% CLEAR/SUNNY 30.15

Instruments	Manufacturer/Mode	Serial No.	Func. Ck.	Calib.Due	Reference
pH/Eh	HORIBA U22-10	063313	CAL: 11-7-01	NEXT USE	Total SAFETY
Conductivity/Temp	HORIBA U22-10	063313	CAL: 11-7-01		
Dissolved Oxygen	HORIBA U22-10	063313	CAL: 11-7-01		
Turbidity	HORIBA U22-10	063313	CAL: 11-7-01		
PHOTOIONIZATION AIR MONITOR	PE PHOTOVAC	MODEL 202015 PART# 4050046	CAL: 11/2/01	NEXT USE	TOTAL SAFETY

GROUND LEVEL DATA (before pujrging)

Redox -25 mv
Redox -49 mv
Redox -57 mv
Redox -59 mv

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.)

r(in.) / 2(in.) = R (ft); [7.48 gal/ft 3 constant]

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	Purge method:	Pump Type:
GEOTECH 2			PERISTALTIC

Log Cyc	Date	Time	Temp (C)	pH	Eh	Units	Cond.	Units	Turg ( )		D.O. ( )	VolPrdg (gal)	Purge rate (gpm)
GAL.	11-7-01	0814	22°C	6.68			.352	mS/cm	.7	NTU	3.10 mg/L		
GAL	11-7-01	0823	22.5°	6.64			.297	mS/cm	-0.2	NTU	3.30 mg/L		
GAL	11-7-01	0835	22.7°	6.75			.307	mS/cm	-0.6	NTU	1.98 mg/L		
GAL	11-7-01	0845	22.7°	6.69			.317	mS/cm	-0.7	NTU	3.59 mg/L		

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

Recorded by:	Date:	Reviewed by:	Date:
T. BRYANT	11-7-01		

Samples Collected Time: 0851
0851

PLING STATION

ll # KBA-11-3B	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

ther Conditions:	TIME 11:06AM	TEMP 70.7	HUM 42%	CLEAR/SUNNY	BP. 30.12	
	11:42 AM	72.5	39%	CLEAR/SUNNY	30.12	

Instruments	Manufacturer/Mode	Serial No.	Fune. Ck.	Calib.Due	Reference
H/Eh					
ductivity/Temp					
issolved Oxygen					
idity					
IOTOIONIZATION IR MONITOR	PE PHOTOVAC	MODEL 202015 PART# 4050046	CAL: 11/2/01	NEXT USE	TOTAL SAFETY

GROUND LEVEL DATA (before pujrging)

el riables

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

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

.)
2(in.) = R (ft); [7.48 gal/ft 3 constant}

VELL PURGE INFORMATION

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

og Cyc	Date	Time	Temp (C)	pH	Eh	Units	Cond.	Units	Turg ( )	D.O. ( )	VolPrdg (gal)	Purge rate (gpm)

ell purged to dryness: [ ] Yes [ ] No

corded by:	Date:	Reviewed by:	Date:

SAMPLING STATION

Well # KBA-11-8 B	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

Weather Conditions: TIME 10:54 AM TEMP 73.4 HUM 40% CLEAR/SUNNY BP. 30.12
11:33 AM 73.4 41% CLEAR/SUNNY 30.12

Instruments	Manufacturer/Mode	Serial No.	Fune. Ck.	Calib.Due	Reference
pH/Eh					
Conductivity/Temp					
Dissolved Oxygen					
Turbidity					
PHOTOIONIZATION AIR MONITOR	PE PHOTOVAC	MODEL 202015 PART # 40500446	CAL: 11/2/01	NEXT USE	TOTAL SAFETY

GROUND LEVEL DATA (before pujrging)

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

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

rog Cyc	Date	Time	Temp (C)	pH	Eh	Units	Cond.	Units	Turg ( )	D.O. ( )	VolPrdg (gal)	Purge rate (gpm)

Well purged to dryness: [ ] Yes [ ] No

corded by:	Date:	Reviewed by:	Date:

S[redacted]PLING STATION

[redacted]ell # KBA-11-10 B	Station Type

[redacted]AMPLE

[redacted] Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

[redacted]eather Conditions: TIME 12:43 PM TEMP 75.2 HUM 37% CLEAR/SUNNY BP 30.15
13:39 PM 68.0 47% CLEAR/SUNNY 30.15

[redacted]Instruments	Manufacturer/Mode	Serial No.	Fune. Ck.	Calib.Due	Reference
[redacted]Eh					
[redacted]onductivity/Temp					
[redacted]issolved Oxygen					
[redacted]idity					
[redacted]TOIONIZATION [redacted]IC MONITOR	PE PHOTOVAC	MODEL 202015 PART# 4050046	CAL: 11/2/01	NEXT USE	TOTAL SAFETY

[redacted]GROUND LEVEL DATA (before pujrging)

[redacted]ell Variables

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

[redacted]side diam. Of casing = d(in.); 1/2(d) = r(in.)

[redacted].)
[redacted]2(in.) = R (ft); [7.48 gal/ft 3 constant}

[redacted]WELL PURGE INFORMATION

[redacted]RGE EQUIPMENT:	S/N:	Purge method:	Pump Type:

[redacted]od Cyc	Date	Time	Temp (C)	pH	Eh	Units	Cond.	Units	Turg ( )	D.O. ( )	VolPrdg (gal)	Purge rate (gpm)

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

[redacted]rded by:	Date:	Reviewed by:	Date:

SAMPLING STATION

Well # KBA-11-11A	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

Weather Conditions:

TIME 10:59 AM	TEMP 70.7	HUM 41%	CLEAR/SUNNY	BP 30.12
11:37 AM	74.3	38%	CLEAR/SUNNY	30.12

Instruments	Manufacturer/Mode	Serial No.	Fune. Ck.	Calib.Due	Reference
pH/Eh					
Conductivity/Temp					
Dissolved Oxygen					
Turbidity					
PHOTOIONIZATION AIR MONITOR	PE PHOTOVAC	MODEL 202015 PART# 4050046	CAL: 11/2/01	NEXT USE	TOTAL SAFETY

GROUND LEVEL DATA (before pujrging)

Well Variables

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

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

$\frac{r(in.)}{2(in.)}$ = R (ft); [7.48 gal/ft 3 constant]

WELL PURGE INFORMATION

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

Pump Cyc	Date	Time	Temp (C)	pH	Eh	Units	Cond.	Units	Turg ( )	D.O. ( )	VolPrdg (gal)	Purge rate (gpm)

Well purged to dryness: [ ] Yes [ ] No

Recorded by:	Date:	Reviewed by:	Date:

[redacted]PLING STATION

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

SAMPLE KBA11-13A-NOV-7-01

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By
[redacted]A11-13A-NOV-7-01		WATER	GRAB	11-7-01	1415	TB/MC

Weather Conditions: TIME 13:31 PM TEMP 70.7 HUM 42% CLEAR/SUNNY BP 30.15
13:58 PM 70.7 44% CLEAR/SUNNY 30.15

Instruments	Manufacturer/Mode	Serial No.	Func. Ck.	Calib.Due	Reference
[redacted]/Eh	HORIBA U22-10	063313	CAL: 11-7-01	NEXT USE	TOTAL SAFETY
Conductivity/Temp	HORIBA U22-10	063313	CAL: 11-7-01		
[redacted]solved Oxygen	HORIBA U22-10	063313	CAL: 11-7-01		
[redacted]bidity	HORIBA U22-10	063313	CAL: 11-7-01		
[redacted]STOIONIZATION AIR MONITOR	PE PHOTOVAC	MODEL 202015 PART # 4050046	CAL: 11/2/01	NEXT USE	TOTAL SAFETY

[redacted]GROUND LEVEL DATA (before pujrging)

REDOX: 9
REDOX: 11
REDOX: 10

Well Variables

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

[redacted]nside diam. Of casing = d(in.); 1/2(d) = r(in.)

[redacted]n.) / [redacted](in.) = R (ft); [7.48 gal/ft 3 constant}

[redacted]WELL PURGE INFORMATION

[redacted]URGE EQUIPMENT: GEOTECH 2	S/N:	Purge method:	Pump Type: PERISTALTIC

[redacted]rog Cyc	Date	Time	Temp (C)	pH	Eh	Units	Cond.	Units	Turg ( )		D.O. ( )	VolPrdg (gal)	Purge rate (gpm)
2 GAL	11-7-01	1420	23.5°	5.16			1.68	mS/cm	-.8	NTU	3.66 mg/L		
[redacted]-AL	11-7-01	1430	23.4°	4.95			1.88	mS/cm	-.8	NTU	3.63 mg/L		
[redacted]AL	11-7-01	1440	23.3°	4.97			1.75	mS/cm	-.6	NTU	3.53 mg/L		

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

[redacted]orded by: T. BRYANT	Date: 11-7-01	Reviewed by:	Date:

[redacted] F.B.: 1447 DUP - 1455 MS/MSD - 1500
R.B.: 1450 DEC [illegible]

SAMPLING STATION

Well # KBA-11-13B	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

Weather Conditions: TIME 11:24 AM TEMP 73.4 HUM 35% CLEAR/SUNNY BP 30.12
11:49 AM 75.2 36% CLEAR/SUNNY 30.12

Instruments	Manufacturer/Mode	Serial No.	Fune. Ck.	Calib.Due	Reference
H/Eh					
onductivity/Temp					
ssolved Oxygen					
rbidity					
HOTOIONIZATION IR MONITOR	PE PHOTOVAC	MODEL 202015 PART# 4050046	CAL: 11/2/01	NEXT USE	TOTAL SAFETY

GROUND LEVEL DATA (before pujrging)

ell Variables

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

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

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

WELL PURGE INFORMATION

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

a Cvc	Date	Time	Temp (C)	pH	Eh	Units	Cond.	Units	Turg ( )	D.O. ( )	VolPrdg (gal)	Purge rate (gpm)

ell purged to dryness: [ ] Yes [ ] No

rded by:	Date:	Reviewed by:	Date:

S PLING STATION

Well #	Station Type

SAMPLE KBA-11-15

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

Weather Conditions: TIME 8:10 AM 10:02 AM TEMP 63.5 74.3 HUM 44% 40% SUNNY/CLEAR SUNNY/CLEAR BP. 30.06 30.09

Instruments	Manufacturer/Mode	Serial No.	Func. Ck.	Calib.Due	Reference
Eh					
Conductivity/Temp					
Dissolved Oxygen					
Turbidity					
PHOTOIONIZATION TOTAL MONITOR	PE PHOTOVAC	MODEL 202015 PART # 4050046	CAL: 11/02/01	NEXT USE	TOTAL SAFETY

GROUND LEVEL DATA (before pujrging)

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	Turg ( )	D.O. ( )	VolPrdg (gal)	Purge rate (gpm)

Well purged to dryness: [ ] Yes [ ] No

Recorded by:	Date:	Reviewed by:	Date:

SAMPLING STATION

Well #	Station Type
KBA-11-16	MONITORING WELL

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By
KBA11-16-NOV-7-01		WATER	GRAB	11-7-01	1017	TB/MC

Weather Conditions: TIME 9:30 AM TEMP 68.0 HUM 46 % CLEAR/SUNNY BP 30.09
10:25 AM 77.0 38 % CLEAR/SUNNY 30.12

Instruments	Manufacturer/Mode	Serial No.	Fune. Ck.	Calib.Due	Reference
pH/Eh	HORIBA U22-10	063313	CAL: 11-7-01	NEXT USE	TOTAL SAFETY
Conductivity/Temp	HORIBA U22-10	063313	CAL: 11-7-01	NEXT USE	
Dissolved Oxygen	HORIBA U22-10	063313	CAL-11-7-01	NEXT USE	
Turbidity	HORIBA U22-10	063313	CAL: 11-7-01	NEXT USE	
PHOTOIONIZATION AIR MONITOR	PE PHOTOVAC	MODEL 202D15 PART# 4050046	CAL: 11/2/01	NEXT USE	TOTAL SAFETY

GROUND LEVEL DATA (before pujrging)

REDOX: 23
REDOX: -12
REDOX: -38
REDOX: -54

Vell Variables

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

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

r(in.) / 12(in.) = R (ft); [7.48 gal/ft 3 constant}

WELL PURGE INFORMATION

JRGE EQUIPMENT: GEOTECH 2 | S/N: | Purge method: | Pump Type: PERISTALTIC

rog Cyc	Date	Time	Temp (C)	pH	Eh	Units	Cond.	Units	Turg ( )		D.O. ( )	VolPrdg (gal)	Purge rate (gpm)
GAL	11-7-01	10:23	23.8°	4.97			.309	mS/cm	4.2	NTU	1.35 mg/L		
GAL	11-7-01	10:33	23.8	4.76			.387	mS/cm	16.7	NTU	~~16.7~~ .91 mg/L		
GAL	11-7-01	1042	23.7°	4.77			.385	mS/cm	6.3	NTU	.91 mg/L		
GAL	11-7-01	1052	23.6°	4.79			.387	mS/cm	4.8	NTU	.80 mg/L		

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

corded by:	Date:	Reviewed by:	Date:
T BRYANT	11-7-01		

Sample Collected 1056

SAMPLING STATION

Well # KBA-11-17B	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

Weather Conditions: TIME 9:44 AM TEMP 73.4 HUM 38% CLEAR/SUNNY BP 30.09
10:30 AM 77.9 36% CLEAR/SUNNY 30.12

Instruments	Manufacturer/Mode	Serial No.	Func. Ck.	Calib.Due	Reference
pH/Eh					
Conductivity/Temp					
Dissolved Oxygen					
Turbidity					
PHOTOIONIZATION AIR MONITOR	PE PHOTOVAC	MODEL 202015 PART# 4050046	CAL: 11/2/01	NEXT USE	TOTAL SAFETY

GROUND LEVEL DATA (before pujrging)

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	Turg ( )	D.O. ( )	VolPrdg (gal)	Purge rate (gpm)

Well purged to dryness: [ ] Yes [ ] No

Recorded by:	Date:	Reviewed by:	Date:

SAMPLING STATION

Well # KBA-11-18	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

Weather Conditions: TIME 9:52 AM TEMP 72.5 HUM 39% CLEAR/SUNNY BP. 30.09
10:33 AM 77.9 37% CLEAR/SUNNY 30.12

Instruments	Manufacturer/Mode	Serial No.	Func. Ck.	Calib.Due	Reference
pH/Eh					
Conductivity/Temp					
Dissolved Oxygen					
Turbidity					
PHOTOIONIZATION AIR MONITOR	PE PHOTOVAC	MODEL 202015 PART # 4050046	CAL: 11/2/01	NEXT USE	TOTAL SAFETY

GROUND LEVEL DATA (before pujrging)

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:

Proc Cyc	Date	Time	Temp (C)	pH	Eh	Units	Cond.	Units	Turg ( )	D.O. ( )	VolPrdg (gal)	Purge rate (gpm)

Well purged to dryness: [ ] Yes [ ] No

Recorded by:	Date:	Reviewed by:	Date:

SAMPLING STATION

ell # KBA - 11 - 20	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

Weather Conditions: TIME 8:55 AM TEMP 65.3 HUM 45% CLEAR/SUNNY BP 30.06
10:16 AM 75.2 38% CLEAR/SUNNY 30.09

Instruments	Manufacturer/Mode	Serial No.	Func. Ck.	Calib.Due	Reference
pH/Eh					
Conductivity/Temp					
Dissolved Oxygen					
Turbidity					
PHOTOIONIZATION AIR MONITOR	PE PHOTOVAC	MODEL 202015 PART# 4050046	CAL: 11/02/01	NEXT USE	TOTAL SAFETY

GROUND LEVEL DATA (before pujrging)

Vell Variables

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

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

$\frac{r(in.)}{2(in.)}$ = R (ft); [7.48 gal/ft 3 constant]

WELL PURGE INFORMATION

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

Pump Cyc	Date	Time	Temp (C)	pH	Eh	Units	Cond.	Units	Turg ( )	D.O. ( )	VolPrdg (gal)	Purge rate (gpm)

urged to dryness: [ ] Yes [ ] No

rded by: Date: Reviewed by: Date:

SAMPLING STATION

Well # KBA-11-21	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

Weather Conditions: TIME 8:44 AM TEMP 64.4 HUM 43% CLEAR/SUNNY BP. 30.06
10:11 AM 73.4 41% CLEAR/SUNNY 30.09

Instruments	Manufacturer/Mode	Serial No.	Func. Ck.	Calib.Due	Referenc
pH/Eh					
Conductivity/Temp					
Dissolved Oxygen					
Turbidity					
PHOTOIONIZATION AIR MONITOR	PE PHOTOVAC	MODEL 202015 PART# 4050046	CAL: 11/02/01	NEXT USE	TOTAL SAFET

GROUND LEVEL DATA (before pujrging)

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:

Proq Cyc	Date	Time	Temp (C)	pH	Eh	Units	Cond.	Units	Turg ( )	D.O. ( )	VolPrdg (gal)	Purge rat (gpm)

Well purged to dryness: [ ] Yes [ ] No

corded by:	Date:	Reviewed by:	Date:

SAMPLING STATION

Well # KBA-11-22 B	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

Weather Conditions:

TIME	11:15 AM	TEMP 71.6	HUM 41%	CLEAR/SUNNY	BP 30.12
	11:45 AM	73.4	40%	CLEAR/SUNNY	30.12

Instruments	Manufacturer/Mode	Serial No.	Func. Ck.	Calib.Due	Reference
Eh					
Conductivity/Temp					
Dissolved Oxygen					
Turbidity					
VOLATILIZATION AIR MONITOR	PE PHOTOVAC	MODEL 202015 PART # 4050046	CAL: 11/2/01	NEXT USE	TOTAL SAFETY

GROUND LEVEL DATA (before pujrging)

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:

Pump Cycle	Date	Time	Temp (C)	pH	Eh	Units	Cond.	Units	Turg ( )	D.O. ( )	VolPrdg (gal)	Purge rate (gpm)

Well purged to dryness: [ ] Yes [ ] No

Recorded by:	Date:	Reviewed by:	Date:

SAMPLING STATION

Well # KBA-11-34	Station Type MONITORING WELL

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By
KBA11-34-Nov7-01		WATER	GRAB	11-7-01	1330	TB/MAL

Weather Conditions:

	TIME	TEMP	HUM		BP
	13:04 PM	72.5	40%	CLEAR/SUNNY	30.15
	13:46	70.7	43%	CLEAR/SUNNY	30.15

Instruments	Manufacturer/Mode	Serial No.	Fune. Ck.	Calib.Due	Reference
pH/Eh	HORIBA-U22-10	063313	CAL: 11-7-01	NEXT USE	TOTAL SAFETY
Conductivity/Temp	HORIBA U22-10	063313	CAL: 11-7-01		
Dissolved Oxygen	HORIBA U22-10	063313	CAL: 11-7-01		
Turbidity	HORIBA U22-10	063313	CAL: 11-7-01		
PHOTOIONIZATION AIR MONITOR	PE PHOTOVAC	MODEL 202015 PART# 4050046	CAL: 11/2/01	NEXT USE	TOTAL SAFETY

GROUND LEVEL DATA (before pujrging)

Well Variables

REDOX: 362

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

REDOX: 408

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

REDOX: 404

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

WELL PURGE INFORMATION

PURGE EQUIPMENT: GEOTECH 2	S/N:	Purge method:	Pump Type: PERISTALTIC

Prog Cyc	Date	Time	Temp (C)	pH	Eh	Units	Cond.	Units	Turg ( )		D.O. ( )	VolPrdg (gal)	Purge rate (gpm)
2 GAL	11-7-01	1337	25.0°	3.65			.677	mS/cm	4.8	NTU	19.99 mg/L		
4 GAL	11-7-01	1350	25.4°	3.65			.647	mS/cm	5.0	NTU	19.99 mg/L		
6 GAL	11-7-01	1400	25.3°	3.70			.652	mS/cm	4.7	NTU	19.99		

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

Recorded by: T BRYANT	Date: 11-7-01	Reviewed by:	Date:

INJECTED Hydrogen Peroxide

Time Collected: 1405

PLING STATION

Well # KBA-11-36	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

Weather Conditions: TIME 12:52 PM TEMP 73.4 HUM 40% CLEAR/SUNNY BP 30.15
13:43 PM 70.7 46% CLEAR/SUNNY 30.15

Instruments	Manufacturer/Mode	Serial No.	Func. Ck.	Calib.Due	Reference
Eh					
Conductivity/Temp					
Dissolved Oxygen					
Turbidity					
PHOTOIONIZATION VOC MONITOR	PE PHOTOVAC	MODEL 202015 PART# 4050046	CAL: 11/2/01	NEXT USE	TOTAL SAFETY

GROUND LEVEL DATA (before pujrging)

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.)

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

WELL PURGE INFORMATION

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

Prod Cyc	Date	Time	Temp (C)	pH	Eh	Units	Cond.	Units	Turg ( )	D.O. ( )	VolPrdg (gal)	Purge rate (gpm)

Well purged to dryness: [ ] Yes [ ] No

Recorded by:	Date:	Reviewed by:	Date:

SAMPLING STATION

Well #	Station Type
KBA-11-37	MONITORING WELL

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By
KBA11-37-110V-7-01		WATER	GRAB	11-7-01	1100	TB/MC

Weather Conditions:

	TIME	TEMP	HUM		BP
	9:16 AM	59.9	57%	CLEAR/SUNNY	30.06
	10:19 AM	75.2	38%	CLEAR/SUNNY	30.09
	10:39 AM		38%	CLEAR/SUNNY	30.12

Instruments	Manufacturer/Mode	Serial No.	Func. Ck.	Calib.Due	Reference
pH/Eh	HORIBA U22-10	063313	CAL: 11-7-01	NEXT USE	TOTAL SAFETY
Conductivity/Temp	HORIBA U22-10	063313	CAL: 11-7-01		
Dissolved Oxygen	HORIBA U22-10	063313	CAL: 11-7-01		
Turbidity	HORIBA U22-10	063313	CAL: 11-7-01		
PHOTOIONIZATION AIR MONITOR	PE PHOTOVAC	MODEL 202015 PART # 4050046	CAL: 11/2/01	NEXT USE	TOTAL SAFETY

GROUND LEVEL DATA (before pujrging)

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.)

r(in.) / 12(in.) = R (ft); [7.48 gal/ft 3 constant}

REDOX: -30 mV

REDOX: -54 mV

REDOX: -68 mV

REDOX: -72 mV

WELL PURGE INFORMATION

PURGE EQUIPMENT: GEOTECH 2 | S/N: | Purge method: | Pump Type: PERISTALTIC

Prog Cyc	Date	Time	Temp (C)	pH	Eh	Units	Cond.	Units	Turg ( )		D.O. ( )	VolPrdg (gal)	Purge rate (gpm)
1 GAL.	11-7-01	1135	24.4°	5.33			.246	mS/cm	-.7	NTU	2.85 mg/L		
GAL.	11-7-01	1145	24.1°	5.45			.433	mS/cm	-.2	NTU	2.23 mg/L		
L.	11-7-01	1156	23.7°	5.54			.615	mS/cm	-.3	NTU	1.47 mg/L		
	11-7-01	1205	23.7°	5.57			.618	mS/cm	-.5	NTU	1.75 mg/L		

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

Recorded by:	Date:	Reviewed by:	Date:

SAMPLING STATION

Well # PS-2 | Station Type PIEZOMETERS

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By
0411-PS2-Nov7-01		WATER	GRAB	11-7-01	0905	TB/MC

Weather Conditions: TIME 13:22 PM TEMP 72.5 HUM 43% CLEAR/SUNNY BP 30.15
13:53 70.7 46% CLEAR/SUNNY 30.15

Instruments	Manufacturer/Mode	Serial No.	Func. Ck.	Calib.Due	Reference
Eh	HORIBA U22-10	063313	CAL: 11-7-01	NEXT USE	TOTAL SAFETY
Conductivity/Temp	HORIBA U22-10	063313	CAL: 11-7-01	NEXT USE	
Dissolved Oxygen	HORIBA U22-10	063313	CAL: 11-7-01	NEXT USE	
Turbidity	HORIBA U22-10	063313	CAL: 11-7-01	NEXT USE	
PHOTOIONIZATION AIR MONITOR	PE PHOTOVAC	MODEL 202015 PART # 4050046	CAL: 11/2/01	NEXT USE	TOTAL SAFETY

GROUND LEVEL DATA (before pujrging)

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.)

r(in.) / 12(in.) = R (ft); [7.48 gal/ft 3 constant]

REDOX: 47 mv
REDOX: 44 mv
REDOX: 37 mv
REDOX: 33 mv

WELL PURGE INFORMATION

PURGE EQUIPMENT: GEO PUMP 2 | S/N: | Purge method: | Pump Type: PERISTALTIC

Purge Cyc	Date	Time	Temp (C)	pH	Eh	Units	Cond.	Units	Turg ( )		D.O. ( )	VolPrdg (gal)	Purge rate (gpm)
1 GAL	11-7-01	0908	20.8°	5.18			.339	mS/cm	.7	NTU	4.10 mg/L		
2 GAL	11-7-01	0920	21.0°	5.18			.346	mS/cm	-.3	NTU	1.71 mg/L		
3 GAL	11-7-01	0931	21.2°	5.07			.335	mS/cm	0.0	NTU	1.60 mg/L		
4 GAL	11-7-01	0940	21.2°	5.06			.334	mS/cm	1.2	NTU	1.64 mg/L		

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

Recorded by: T. BRYANT | Date: 11-7-01 | Reviewed by: | Date:

Collected Samples Time: 0948
0948

SAMPLING STATION

Well # PS-9	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

Weather Conditions: TIME 8:32 AM TEMP 59.9 HUM 50% SUNNY/CLEAR BP. 30.06
10:08 AM 68.9 43% SUNNY/CLEAR 30.09

Instruments	Manufacturer/Mode	Serial No.	Func. Ck.	Calib.Due	Referen
pH/Eh					
Conductivity/Temp					
Dissolved Oxygen					
Turbidity					
PHOTOIONIZATION AIR MONITOR	PE PHOTOVAC	MODEL 202015 PART # 4050046	CAL: 11/02/01	NEXT USE	TOTAL SAFE

GROUND LEVEL DATA (before pujrging)

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:

Proq Cyc	Date	Time	Temp (C)	pH	Eh	Units	Cond.	Units	Turg ( )	D.O. ( )	VolPrdg (gal)	Purge rat (gpm)

Well purged to dryness: [ ] Yes [ ] No

ecorded by:	Date:	Reviewed by:	Date:

APPENDIX B

ANALYTICAL REPORTS
NOVEMBER 2001

Organic Data Qualifiers

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

B -- This flag is used when the analyte is found in the associated blank as well as the sample. This notation indicates possible blank contamination and suggests that the data user evaluate these compounds and their amounts carefully.

C -- The "C" flag indicates the presence of this compound has been confirmed by GC/MS analysis.

D -- This qualifier is used for all compounds identified in an analysis at a secondary dilution factor. "D" qualifiers are used only for the samples reported at more than one dilution factor.

E -- This flag indicates that the value reported exceeds the linear calibration range for that compound. Therefore, the sample should be reanalyzed at an appropriate dilution. The "E" qualified amount is an estimated concentration, and the results of the dilution will be reported on a separate Form I.

I -- This qualifier indicates that the reporting limit adjacent to the "I" qualifier has been raised. It is used when chromatographic interference prohibits detection of a compound at a level below the concentration expressed on the Form I.

J -- Indicates an estimated value. It is used when the data indicates the presence of a target compound below the reporting limit or the presence of a Tentatively Identified Compound (TIC).

N -- This qualifier indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the indentification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the "N" qualifier is not used.

P -- This qualifier is used for pesticide/aroclor target analytes when there is a greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form I and flagged with a "P".

U -- Indicates the compound was analyzed for but not detected. The number adjacent to the "U" qualifier indicates the reporting limit for that compound. The reporting limit can vary from sample to sample depending on dilution factors or percent moisture adjustments when indicated.

Organic Sample ID Qualifiers

DL -- Diluted reanalysis. Indicates that the results were determined in an analysis of a secondary dilution of a sample or extract. The "DL" suffix may be followed by a digit to indicate multiple dilutions of the sample or extract. The results of more than one diluted reanalyses may be reported.

MS -- Matrix spike (may be followed by a digit to indicate multiple matrix spikes within a sample set).

MSD - Matrix spike duplicate (may be followed by a digit to indicate multiple matrix spikes within a sample set).

R -- Reanalysis. The extract was reanalyzed without re-extraction. The "R" is not used if the sample was also re-extracted. May be followed by a digit to indicate multiple reanalyses of the sample at the same dilution.

RE -- Re-extraction analysis. The sample was re-extracted and reanalyzed. May be followed by a digit to indicate multiple re-extracted analyses of the sample at the same dilution.

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-02

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2103524-001

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1116-07

Level: (low/med) LOW Date Received: 11/08/01

% Moisture: not dec. _____ Date Analyzed: 11/16/01

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
107-02-8	Acrolein	100	U
75-35-4	1,1-Dichloroethene (C)	1.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5.0	U
75-09-2	Methylene Chloride	5.0	U
107-13-1	Acrylonitrile	5.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane (P)	1.0	U
78-93-3	2-Butanone (MEK)	5.0	U
156-59-2	cis-1,2-Dichloroethene	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
75-27-4	Bromodichloromethane	1.0	U
110-75-8	2-Chloroethyl Vinyl Ether	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U
108-88-3	Toluene (C)	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	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

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-02

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2103524-001

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1116-07

Level: (low/med) LOW Date Received: 11/08/01

% Moisture: not dec. _____ Date Analyzed: 11/16/01

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
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
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	0.26	JB
95-50-1	1,2-Dichlorobenzene	1.0	U
91-20-3	Naphthalene	4.8	JB

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-PS2

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2103524-002

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1116-08

Level: (low/med) LOW Date Received: 11/08/01

% Moisture: not dec. _____ Date Analyzed: 11/16/01

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	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
107-02-8	Acrolein	100	U
75-35-4	1,1-Dichloroethene (C)	1.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5.0	U
75-09-2	Methylene Chloride	5.0	U
107-13-1	Acrylonitrile	5.0	U
156-60-5	trans-1,2-Dichloroethene	0.84	J
75-34-3	1,1-Dichloroethane (P)	4.1	
78-93-3	2-Butanone (MEK)	5.0	U
156-59-2	cis-1,2-Dichloroethene	110	
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	2.7	
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	2.0	
78-87-5	1,2-Dichloropropane (C)	0.27	J
75-27-4	Bromodichloromethane	1.0	U
110-75-8	2-Chloroethyl Vinyl Ether	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1.1	J
108-88-3	Toluene (C)	1.9	
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene (P)	1.2	
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
100-41-4	Ethylbenzene (C)	20	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-PS2

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2103524-002

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1116-08

Level: (low/med) LOW Date Received: 11/08/01

% Moisture: not dec. _____ Date Analyzed: 11/16/01

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
136777-61-2	m,p-Xylenes	1.1	J
1330-20-7	Total Xylenes	2.4	J
95-47-6	o-Xylene	1.3	
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
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
91-20-3	Naphthalene	3.7	JB

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-16

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2103524-003

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1116-09

Level: (low/med) LOW Date Received: 11/08/01

% Moisture: not dec. _____ Date Analyzed: 11/16/01

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
107-02-8	Acrolein	100	U
75-35-4	1,1-Dichloroethene (C)	1.7	
67-64-1	Acetone	44	
75-15-0	Carbon Disulfide	5.0	U
75-09-2	Methylene Chloride	5.0	U
107-13-1	Acrylonitrile	5.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane (P)	22	
78-93-3	2-Butanone (MEK)	39	
156-59-2	cis-1,2-Dichloroethene	28	
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	1.2	
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	0.72	J
78-87-5	1,2-Dichloropropane (C)	1.0	U
75-27-4	Bromodichloromethane	1.0	U
110-75-8	2-Chloroethyl Vinyl Ether	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	31	
108-88-3	Toluene (C)	26	
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	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)	2.4	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-16

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2103524-003

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1116-09

Level: (low/med) LOW Date Received: 11/08/01

% Moisture: not dec. _____ Date Analyzed: 11/16/01

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
136777-61-2	m,p-Xylenes	2.0	
1330-20-7	Total Xylenes	3.1	
95-47-6	o-Xylene	1.1	
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
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
91-20-3	Naphthalene	10	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-37

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2103524-004

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1116-10

Level: (low/med) LOW Date Received: 11/08/01

% Moisture: not dec. _____ Date Analyzed: 11/16/01

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
107-02-8	Acrolein	100	U
75-35-4	1,1-Dichloroethene (C)	1.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5.0	U
75-09-2	Methylene Chloride	5.0	U
107-13-1	Acrylonitrile	5.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane (P)	1.0	U
78-93-3	2-Butanone (MEK)	5.0	U
156-59-2	cis-1,2-Dichloroethene	6.9	
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	1.1	
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
75-27-4	Bromodichloromethane	1.0	U
110-75-8	2-Chloroethyl Vinyl Ether	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U
108-88-3	Toluene (C)	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene (P)	3.8	
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
100-41-4	Ethylbenzene (C)	8.2	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-37

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2103524-004

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1116-10

Level: (low/med) LOW Date Received: 11/08/01

% Moisture: not dec. _____ Date Analyzed: 11/16/01

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
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
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	2.4	B
95-50-1	1,2-Dichlorobenzene	1.0	U
91-20-3	Naphthalene	25	B

FORM I VOA

FORM I
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-34

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2103524-005

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1116-11

Level: (low/med) LOW Date Received: 11/08/01

% Moisture: not dec. _____ Date Analyzed: 11/16/01

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
107-02-8	Acrolein	100	U
75-35-4	1,1-Dichloroethene (C)	1.0	U
67-64-1	Acetone	130	
75-15-0	Carbon Disulfide	26	
75-09-2	Methylene Chloride	5.0	U
107-13-1	Acrylonitrile	5.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane (P)	1.0	U
78-93-3	2-Butanone (MEK)	6.4	
156-59-2	cis-1,2-Dichloroethene	1.5	
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	1.7	
78-87-5	1,2-Dichloropropane (C)	1.0	U
75-27-4	Bromodichloromethane	1.0	U
110-75-8	2-Chloroethyl Vinyl Ether	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U
108-88-3	Toluene (C)	1.0	U
127-18-4	Tetrachloroethene	97	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	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

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-34

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2103524-005

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1116-11

Level: (low/med) LOW Date Received: 11/08/01

% Moisture: not dec. _____ Date Analyzed: 11/16/01

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
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
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	0.47	JB
95-50-1	1,2-Dichlorobenzene	1.0	U
91-20-3	Naphthalene	4.5	JB

FORM I
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-13A DUP

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2103524-006

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1116-12

Level: (low/med) LOW Date Received: 11/08/01

% Moisture: not dec. _____ Date Analyzed: 11/16/01

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
107-02-8	Acrolein	100	U
75-35-4	1,1-Dichloroethene (C)	1.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	7.6	
75-09-2	Methylene Chloride	5.0	U
107-13-1	Acrylonitrile	5.0	U
156-60-5	trans-1,2-Dichloroethene	4.7	
75-34-3	1,1-Dichloroethane (P)	1.0	U
78-93-3	2-Butanone (MEK)	5.0	U
156-59-2	cis-1,2-Dichloroethene	52	
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	0.36	J
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	24	
78-87-5	1,2-Dichloropropane (C)	1.0	U
75-27-4	Bromodichloromethane	1.0	U
110-75-8	2-Chloroethyl Vinyl Ether	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U
108-88-3	Toluene (C)	0.28	J
127-18-4	Tetrachloroethene	0.86	J
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene (P)	2.6	
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
100-41-4	Ethylbenzene (C)	16	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-13A DUP

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2103524-006

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1116-12

Level: (low/med) LOW Date Received: 11/08/01

% Moisture: not dec. _____ Date Analyzed: 11/16/01

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
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
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	2.1	B
95-50-1	1,2-Dichlorobenzene	0.20	JB
91-20-3	Naphthalene	30	B

FORM I
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-13A

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2103524-007

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1116-13

Level: (low/med) LOW Date Received: 11/08/01

% Moisture: not dec. _____ Date Analyzed: 11/16/01

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
107-02-8	Acrolein	100	U
75-35-4	1,1-Dichloroethene (C)	1.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	6.8	
75-09-2	Methylene Chloride	5.0	U
107-13-1	Acrylonitrile	5.0	U
156-60-5	trans-1,2-Dichloroethene	4.0	
75-34-3	1,1-Dichloroethane (P)	1.0	U
78-93-3	2-Butanone (MEK)	5.0	U
156-59-2	cis-1,2-Dichloroethene	44	
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	0.34	J
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	20	
78-87-5	1,2-Dichloropropane (C)	1.0	U
75-27-4	Bromodichloromethane	1.0	U
110-75-8	2-Chloroethyl Vinyl Ether	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U
108-88-3	Toluene (C)	0.24	J
127-18-4	Tetrachloroethene	0.66	J
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene (P)	2.3	
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
100-41-4	Ethylbenzene (C)	14	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-13A

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2103524-007

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1116-13

Level: (low/med) LOW Date Received: 11/08/01

% Moisture: not dec. _____ Date Analyzed: 11/16/01

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
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
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.7	B
95-50-1	1,2-Dichlorobenzene	1.0	U
91-20-3	Naphthalene	29	B

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-13AMS

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2103524-007MS

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1116-05

Level: (low/med) LOW Date Received: 11/08/01

% Moisture: not dec. _____ Date Analyzed: 11/16/01

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	17	
74-87-3	Chloromethane (P)	14	
75-01-4	Vinyl Chloride (C)	16	
74-83-9	Bromomethane	14	
75-00-3	Chloroethane	13	
75-69-4	Trichlorofluoromethane	14	
107-02-8	Acrolein	100	U
75-35-4	1,1-Dichloroethene (C)	13	
67-64-1	Acetone	61	
75-15-0	Carbon Disulfide	74	
75-09-2	Methylene Chloride	10	
107-13-1	Acrylonitrile	65	
156-60-5	trans-1,2-Dichloroethene	15	
75-34-3	1,1-Dichloroethane (P)	14	
78-93-3	2-Butanone (MEK)	66	
156-59-2	cis-1,2-Dichloroethene	62	
67-66-3	Chloroform (C)	13	
71-55-6	1,1,1-Trichloroethane	13	
56-23-5	Carbon Tetrachloride	13	
71-43-2	Benzene	13	
107-06-2	1,2-Dichloroethane	13	
79-01-6	Trichloroethene	30	
78-87-5	1,2-Dichloropropane (C)	12	
75-27-4	Bromodichloromethane	13	
110-75-8	2-Chloroethyl Vinyl Ether	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	66	
108-88-3	Toluene (C)	12	
127-18-4	Tetrachloroethene	11	
591-78-6	2-Hexanone	66	
124-48-1	Dibromochloromethane	12	
108-90-7	Chlorobenzene (P)	12	
630-20-6	1,1,1,2-Tetrachloroethane	12	
100-41-4	Ethylbenzene (C)	19	

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FORM I
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-13AMS

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2103524-007MS

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1116-05

Level: (low/med) LOW Date Received: 11/08/01

% Moisture: not dec. _____ Date Analyzed: 11/16/01

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
136777-61-2	m,p-Xylenes	25	
1330-20-7	Total Xylenes	37	
95-47-6	o-Xylene	12	
100-42-5	Styrene	12	
75-25-2	Bromoform (P)	13	
79-34-5	1,1,2,2-Tetrachloroethane (P	12	
96-18-4	1,2,3-Trichloropropane	12	
541-73-1	1,3-Dichlorobenzene	12	B
106-46-7	1,4-Dichlorobenzene	13	B
95-50-1	1,2-Dichlorobenzene	12	B
91-20-3	Naphthalene	26	B

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-13AMSD

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2103524-007MSD

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1116-06

Level: (low/med) LOW Date Received: 11/08/01

% Moisture: not dec. _____ Date Analyzed: 11/16/01

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	12	
74-87-3	Chloromethane (P)	10	
75-01-4	Vinyl Chloride (C)	12	
74-83-9	Bromomethane	10	
75-00-3	Chloroethane	9.1	
75-69-4	Trichlorofluoromethane	10	
107-02-8	Acrolein	100	U
75-35-4	1,1-Dichloroethene (C)	9.4	
67-64-1	Acetone	43	
75-15-0	Carbon Disulfide	56	
75-09-2	Methylene Chloride	7.4	
107-13-1	Acrylonitrile	49	
156-60-5	trans-1,2-Dichloroethene	12	
75-34-3	1,1-Dichloroethane (P)	9.9	
78-93-3	2-Butanone (MEK)	46	
156-59-2	cis-1,2-Dichloroethene	55	
67-66-3	Chloroform (C)	9.6	
71-55-6	1,1,1-Trichloroethane	9.2	
56-23-5	Carbon Tetrachloride	9.1	
71-43-2	Benzene	9.5	
107-06-2	1,2-Dichloroethane	9.5	
79-01-6	Trichloroethene	27	
78-87-5	1,2-Dichloropropane (C)	8.6	
75-27-4	Bromodichloromethane	9.2	
110-75-8	2-Chloroethyl Vinyl Ether	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	47	
108-88-3	Toluene (C)	8.7	
127-18-4	Tetrachloroethene	8.4	
591-78-6	2-Hexanone	48	
124-48-1	Dibromochloromethane	9.0	
108-90-7	Chlorobenzene (P)	10	
630-20-6	1,1,1,2-Tetrachloroethane	8.8	
100-41-4	Ethylbenzene (C)	19	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KBA11-13AMSD

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2103524-007MSD

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1116-06

Level: (low/med) LOW Date Received: 11/08/01

% Moisture: not dec. _____ Date Analyzed: 11/16/01

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
136777-61-2	m,p-Xylenes	18	
1330-20-7	Total Xylenes	27	
95-47-6	o-Xylene	8.7	
100-42-5	Styrene	8.5	
75-25-2	Bromoform (P)	10	
79-34-5	1,1,2,2-Tetrachloroethane (P	9.2	
96-18-4	1,2,3-Trichloropropane	8.9	
541-73-1	1,3-Dichlorobenzene	8.9	B
106-46-7	1,4-Dichlorobenzene	10	B
95-50-1	1,2-Dichlorobenzene	8.6	B
91-20-3	Naphthalene	31	B

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FIELD BLANK

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2103524-008

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1116-14

Level: (low/med) LOW Date Received: 11/08/01

% Moisture: not dec. _____ Date Analyzed: 11/16/01

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
107-02-8	Acrolein	100	U
75-35-4	1,1-Dichloroethene (C)	1.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5.0	U
75-09-2	Methylene Chloride	5.0	U
107-13-1	Acrylonitrile	5.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane (P)	1.0	U
78-93-3	2-Butanone (MEK)	5.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform (C)	0.83	J
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
75-27-4	Bromodichloromethane	1.0	U
110-75-8	2-Chloroethyl Vinyl Ether	1.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U
108-88-3	Toluene (C)	5.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	1.0	U
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene (P)	2.9	
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
100-41-4	Ethylbenzene (C)	1.0	U
		1.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FIELD BLANK

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2103524-008

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1116-14

Level: (low/med) LOW Date Received: 11/08/01

% Moisture: not dec. _____ Date Analyzed: 11/16/01

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
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
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
91-20-3	Naphthalene	4.6	JB

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

RINSATE BLANK

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2103524-009

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1116-15

Level: (low/med) LOW Date Received: 11/08/01

% Moisture: not dec. _____ Date Analyzed: 11/16/01

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
107-02-8	Acrolein	100	U
75-35-4	1,1-Dichloroethene (C)	1.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5.0	U
75-09-2	Methylene Chloride	5.0	U
107-13-1	Acrylonitrile	5.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane (P)	1.0	U
78-93-3	2-Butanone (MEK)	5.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform (C)	0.97	J
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
75-27-4	Bromodichloromethane	1.1	
110-75-8	2-Chloroethyl Vinyl Ether	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U
108-88-3	Toluene (C)	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	3.0	
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

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

RINSATE BLANK

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2103524-009

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1116-15

Level: (low/med) LOW Date Received: 11/08/01

% Moisture: not dec. _____ Date Analyzed: 11/16/01

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
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
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
91-20-3	Naphthalene	3.7	JB

FORM I VOA

FORM I
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLAN
K(6/27/01)

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2103524-010

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1116-16

Level: (low/med) LOW Date Received: 11/08/01

% Moisture: not dec. _____ Date Analyzed: 11/16/01

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
107-02-8	Acrolein	100	U
75-35-4	1,1-Dichloroethene (C)	1.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5.0	U
75-09-2	Methylene Chloride	5.0	U
107-13-1	Acrylonitrile	5.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane (P)	1.0	U
78-93-3	2-Butanone (MEK)	5.0	U
156-59-2	cis-1,2-Dichloroethene	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
75-27-4	Bromodichloromethane	1.0	U
110-75-8	2-Chloroethyl Vinyl Ether	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U
108-88-3	Toluene (C)	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	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

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLAN
K(6/27/01)

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: J2103524-010

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1116-16

Level: (low/med) LOW Date Received: 11/08/01

% Moisture: not dec. _____ Date Analyzed: 11/16/01

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
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
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
91-20-3	Naphthalene	3.4	JB