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FINAL SEMI-ANNUAL CORRECTIVE ACTION REPORT FOR SITE 11 OCTOBER 2002 - MARCH 2003 NSB KINGS BAY GA

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J A JONES MANAGEMENT SERVICES

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SEMI-ANNUAL CORRECTIVE ACTION REPORT
OCTOBER 2002 – MARCH 2003

FINAL

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

Contract No. N69272-00-D-3170

Prepared for:

NAVAL SUBMARINE BASE
KINGS BAY, GEORGIA
FACILITIES AND ENVIRONMENTAL DIRECTORATE

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APRIL 2003

The work described and professional opinions rendered in this document, *Semi-Annual Corrective Action Report, October 2002 – March 2003, 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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4/17/03

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A WELL PURGING AND SAMPLING RECORDS
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ACRONYMS

JAJMS	J.A. Jones Management Services
Bechtel	Bechtel Environmental, Inc.
1,1-DCA	1,1-dichloroethane
1,2-DCE	cis-1,2-dichloroethene
FID	flame ionization detector
GDNR	Georgia Department of Natural Resources
GEPD Rules	Rules of Georgia Department of Natural Resources Environmental Protection Division
GWMP	Groundwater Monitoring Plan
GWPS	Groundwater Protection Standard
NSB	Naval Submarine Base
MCL	Maximum Contaminant Level
PCE	Tetrachloroethene
PID	photoionization detector
TCE	Trichloroethene

UNITS OF MEASURE

ft	Foot
gal	Gallon
ID	inner diameter
in.	Inch
MSL	mean sea level
OD	outer diameter
ug/L	micrograms per liter
mg/L	milligrams per liter
Pg/L	picograms per liter
ppm	parts per million

1.0 INTRODUCTION

J.A. Jones Management Services (JAJMS) has been contracted by the Department of the Navy, Engineering Field Activity Southeast, Resident Officer in Charge of Construction, Kings Bay, Kings Bay, Georgia to provide operating support services as the Base Operating Support Contractor. Under the Prime Contract N69272-00-D-3170, JAJMS has been contracted to provide groundwater monitoring services at Site 11, Old Camden County Landfill at the Naval Submarine Base (NSB) Kings Bay in accordance with the approved Groundwater Monitoring Plan (GWMP; Bechtel, 1999). This Semi-Annual Corrective Action Report provides:

- A summary of the semiannual monitoring activities that were performed from October 2002 to March 2003;
- A presentation of the data from the activities performed;
- An assessment of the current and historical data;
- Recommendations for future activities based upon the data assessment; and
- A summary of the activities planned for the period of April to September 2003.

2.0 SUMMARY OF ACTIVITIES

Two quarterly groundwater sampling events were performed by JAJMS during the semiannual period, one from November 4 to 6, 2002 and the other on February 5, 2003. Activities included well inspections, well measurements, and groundwater sampling and analysis. The activities that were performed during the November 2002 quarterly sampling event were presented in detail in the Quarterly Groundwater Monitoring Report, October 2002 – December 2002 (JAJMS, 2003), dated March 2003. For this reason, this section of the document only addresses the activities that were performed during the February 2003 sampling event.

Weather conditions during the groundwater sampling event were cool and cloudy with temperatures from the middle 50's in the morning to the middle 60's in the afternoon. There was no significant rainfall during the week preceding the groundwater sampling event. For the month of January 2003, a total of 0.15 inches of rainfall occurred. A site map is provided as Figure 1.

2.1 WELL INSPECTIONS

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

Per the direction of the Navy, with approval by the Georgia Department of Natural Resources (GDNR), recovery wells RW-6, RW-7, and RW-8 were abandoned on October 30, 2001. The work was performed under Delivery Order 640 of JAJMS Prime Contract N69272-00-D-3170, by a licensed driller in accordance with the Georgia Water Well Standards Act.

Per the direction of the Navy, with approval by the Georgia Department of Natural Resources (GDNR), the shallow irrigation well located at 122 Plantation Court was abandoned on March 21, 2003. A deeper irrigation well was installed at this location from March 20-21, 2003. The work was performed by Woodrow Sapp Water Well Contractor, Inc under Prime Contract N69272-02-M-3015 (contracted

directly with the Navy). The actions performed at 122 Plantation Court will be the subject of a separate report.

2.2 WELL MEASUREMENTS

Well measurements, including organic vapor headspace, depth to water, and the total depth, were recorded on February 4, 2003. Headspace readings were recorded from inside in the monitoring well casing immediately after removing the cap using a Photovac model 2020 PID organic vapor meter. The highest PID response was recorded for each monitoring well. Water levels and well depth measurements were performed during the sampling event using an electronic water level indicator, accurate to 0.01 feet. All water level measurements were recorded with respect to a surveyed reference point located at the top of the well casing. Measurements were recorded two to three times over an eight-hour period and stabilization of static water level was assumed when two consecutive readings recorded at least one hour apart were within 0.01 feet. The total well depth was measured using the electronic water level indicator by lowering the probe until the bottom of the well was reached. Total depth measurements were made with respect to a surveyed reference point located at the top of the well casing. Barometric pressure, relative humidity and ambient air temperatures were measured using portable field instruments. All monitoring well measurements were obtained prior to sampling to avoid interference by purging activities.

2.3 GROUNDWATER SAMPLING AND ANALYSES

2.3.1 Monitoring Well Sampling

Currently a total of six monitoring wells are sampled on an annual basis and five monitoring wells are sampled on a quarterly basis at Site 11. The annual sampling events are normally performed in August and were not required during this period. During the two quarterly sampling events, groundwater samples were generally collected from monitoring wells in order of least contaminated to most contaminated, based upon historical data. Prior to sampling, all monitoring wells were purged 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 monitoring well screen. Groundwater was then purged through the tube using a peristaltic pump, Geotech Model Geopump 2. Water quality parameters, including temperature, pH, conductivity, oxygen-reduction potential, turbidity, and dissolved oxygen were measured every two gallons while purging. After parameters stabilized within 10 percent, a sample was collected and containerized for chemical analysis. Samples for volatile constituents were collected by stopping the pump, removing the tubing from the monitoring well, reversing the flow of the pump, and gently filling the container. Samples for non-volatile analyses were taken directly from the effluent of the peristaltic pump. All samples were submitted to Columbia Analytical Services for analyses using standard chain-of-custody procedures as specified in the GWMP. All purge water was containerized in drums and properly disposed.

2.3.2 Monitoring Well Analyses

Groundwater samples collected from monitoring wells, PS-2, KBA-11-13A, KBA-11-16, KBA-11-34, KBA-11-37, were analyzed by Columbia Analytical Services for Groundwater Protection Standards (GWPS) compounds by EPA Method 8260B.

2.3.3 Irrigation Well Sampling and Analyses

Currently a total of three irrigation wells in the Crooked River Plantation subdivision, located across the highway from the Kings Bay Naval Submarine Base, are sampled for GWPS analyses. These locations are not included in the GWMP and have been selected for sampling based upon the results from a comprehensive irrigation well survey that was performed in 1998. Irrigation wells located at 102

Plantation Court and 122 Plantation Court are being sampled monthly and the irrigation well located at 108 Cottage Court is being sampled annually. Monthly samples were collected from the wells located at 102 Plantation Court and 122 Plantation Court on January 14, February 11, and March 5, 2003 and no annual sampling was required during the period. Prior to sampling, all of the irrigation wells were purged by activating the irrigation pump and allowing the spicket to discharge for approximately 5 minutes. Sample containers were then filled directly from the spicket. All of the irrigation well samples were analyzed by either Columbia Analytical Services or Environmental Conservation Laboratories for GWPS compounds by EPA Method 8260B.

3.0 DATA PRESENTATION

This section provides a summation and tabulation of all field measurements and analytical results associated with the groundwater monitoring program. The data from the November 2002 quarterly sampling event was discussed in detail in the Quarterly Groundwater Monitoring Report, October 2002 – December 2002 (JAJMS, 2003), dated March 2003. For this reason, this section only addresses the results from the activities performed during the February 2003 sampling event.

3.1 HEADSPACE READINGS

Headspace readings were measured at 19 monitoring wells as described in Section 2.2, using a Photovac model 2020 PID organic vapor meter which was calibrated in accordance with manufacturer's specifications prior to use. None of the monitoring wells except KBA-11-16 (0.2 ppm) exhibited a positive response on the PID. Headspace readings are provided in Table 1.

3.2 MONITORING WELL MEASUREMENTS

Depth to water and depth to monitoring well bottom were measured at 19 monitoring wells as described in Section 2.2, using an electronic water level indicator. Based upon the data, ground water flow in the intermediate zone appears to be generally west to northwest. A summary of the data recorded during the monitoring well measurement evolution is provided in Table 2. Isometric contours of the February 4, 2003 data set are provided on Figure 2.

3.3 MONITORING WELL PURGING PARAMETERS

Water quality parameters temperature, pH, conductivity, dissolved oxygen, turbidity and oxygen reduction potential were measured at each sampling location every two gallons during purging activities using a Horiba U-22 water quality meter, which was calibrated in accordance with manufacturer's specifications prior to use. Parameters generally stabilized within ten percent after six to eight gallons of groundwater were purged from the monitoring well. Table 3 provides a summary of the stabilized parameters at the time of sample collection.

A summary of the monitoring well purging and sampling records for the February 2003 sampling event is included in Appendix A.

3.4 ANALYTICAL RESULTS

A total of five monitoring wells and two irrigation wells were sampled and analyzed during the quarter as described in Section 2.3. A summary of the analytical laboratory results is provided in Tables 4 and 5. Analytical laboratory reports are provided in Appendix B.

3.4.1 Groundwater Protection Standard Analytical Results

All of the five monitoring wells that were sampled exhibited concentrations that exceeded one or more of the GWPS constituent standards. The results are summarized below:

- Monitoring well KBA-11-13A, located approximately 150 feet downgradient from the source area, exhibited elevated concentrations of tetrachloroethene (PCE) at 23 micrograms per liter (ug/l), trichloroethene (TCE; 8.8 ug/l), and chlorobenzene (1.2 ug/l).
- Monitoring well KBA-11-16, located approximately 500 feet downgradient from the source area, exhibited elevated concentrations of 1,1-dichloroethane (1,1-DCA; 46 ug/l).
- Monitoring well KBA-11-34, located within the source area, exhibited elevated concentrations of PCE (69 ug/l) and TCE (5.2 ug/l).
- Monitoring well KBA-11-37, located approximately 600 feet downgradient from the source area, exhibited elevated concentrations of chlorobenzene (5.5 ug/l).
- Monitoring well PS-2, located approximately 400 feet crossgradient from the source area, exhibited elevated concentrations of cis-1,2-dichloroethene (1,2-DCE; 100 ug/l), 1,1-DCA (2.3 ug/l), vinyl chloride (2.9 ug/l), and chlorobenzene (1.5 ug/l).

The analytical results are presented in Table 4 and on Figures 3 through 6. Laboratory analytical reports are provided in Appendix B.

3.4.2 Subdivision Irrigation Wells Analytical Results

Two irrigation wells in the Crooked River Plantation subdivision, located across the highway from the Kings Bay Naval Submarine Base, were sampled on a monthly basis during the period. These locations are not included in the GWMP and were selected for sampling based upon the results from a comprehensive irrigation well survey that was performed in 1998. Irrigation wells located at 102 Plantation Court and 122 Plantation Court were sampled on January 14, February 11and March 5, 2003. The results from the monthly sampling events are summarized below:

- The irrigation well located at 102 Plantation Court exhibited no detectable concentrations of GWPS constituents during any of the monthly sampling events.
- The irrigation well located at 122 Plantation Court exhibited concentrations of vinyl chloride during the January and February sampling events of 2.1 ug/l and 1.2 ug/l, compared to the GWPS of 2 ug/l. No other detections were noted at this location during the January, February or March sampling events.

The analytical results are presented in Table 5. Laboratory analytical reports are not included with this document but are on file at Kings Bay Naval Submarine Base and can be provided upon request.

3.5 QUANTITY OF HYDROCARBONS REMOVED

Per the direction of the Navy, with approval by the GDNR, the pump-and-treat remediation system at Site 11 was dismantled during November 2001 under Delivery Order 651 of JAJMS Prime Contract N69272-00-D-3170. For this reason, the quantity of hydrocarbons removed calculation no longer applies.

4.0 DATA ASSESSMENT

4.1 OBSERVATIONS

- With the exception of KBA-11-02, which may require redevelopment, all of the monitoring wells are in good condition and are functioning adequately for evaluating the hydrologic conditions and groundwater quality.
- No significant increases or decreases in contaminant concentrations were noted in any of the monitoring or irrigation wells compared to the data from last quarter.
- The slight overall upward trend in PCE concentrations previously noted in source area monitoring well KBA-11-34 has leveled off.
- Downgradient monitoring well KBA-11-13A continues to show a slight downward trend in TCE concentrations. This trend is shown graphically on Figures 3 and 4.
- Source area monitoring well KBA-11-34 is exhibiting a downward trend in TCE concentrations.
- The irrigation well located at 102 Plantation Court exhibited non-detectable concentrations of all GWPS constituents for the thirteenth consecutive monthly sampling event, and exhibited no concentrations above GWPS concentrations for the eighteenth consecutive monthly sampling event.
- The irrigation well located at 122 Plantation Court exhibited non-detectable concentrations of all GWPS constituents during the March sampling event, and exhibited no concentrations above GWPS concentrations for the second consecutive monthly sampling event. This well has been and abandoned and replaced with a deeper well as described in Section 2.1.

4.2 RECOMMENDATIONS

The following recommendations, which were provided in the previous Semi-Annual Corrective Action Report, April 2002 – September 2002 (JAJMS 2002), are still applicable:

1. Discontinue sampling of monitoring wells KBA-11-02, KBA-11-11A, KBA-11-13B, KBA-11-15, and KBA-11-17B for GWPS constituents as they have met the criteria specified in the Exit Strategy of the GWMP by exhibiting no detectable concentrations of GWPS constituents for the second consecutive annual sampling event. Continue to sample KBA-11-11A for Appendix IX constituents as the background monitoring well.
2. Discontinue additional cobalt, nickel and naphthalene analyses except where results indicated significant concentrations. This would include monitoring well KBA-11-13A, which is already being sampled annually for these constituents as specified in the GWMP, and monitoring well KBA-11-34.
3. Reduce sampling frequency of irrigation well located at 102 Plantation Court from monthly to annually based upon historically non-detect concentrations.

5.0 PROJECTED WORK FOR THE NEXT REPORTING PERIOD

JAJMS will continue quarterly monitoring in accordance with the GWMP and all approved modifications. The next quarterly monitoring event is scheduled for May 2003.

6.0 REFERENCES

Bechtel Environmental, Inc., June 1999. *Groundwater Monitoring Plan for Site 11, Old Camden County Landfill, U.S. Naval Submarine Base, Kings Bay, Georgia.*

J.A. Jones Management Services (JAJMS), October 2002. *Semi-Annual Corrective Action Report, April 2002 – September 2002, U.S. Naval Submarine Base, Kings Bay, Georgia.*

J.A. Jones Management Services (JAJMS), March 2003. *Quarterly Groundwater Monitoring Report, October 2002 – December 2002 for U.S. Naval Submarine Base, Kings Bay, Georgia.*

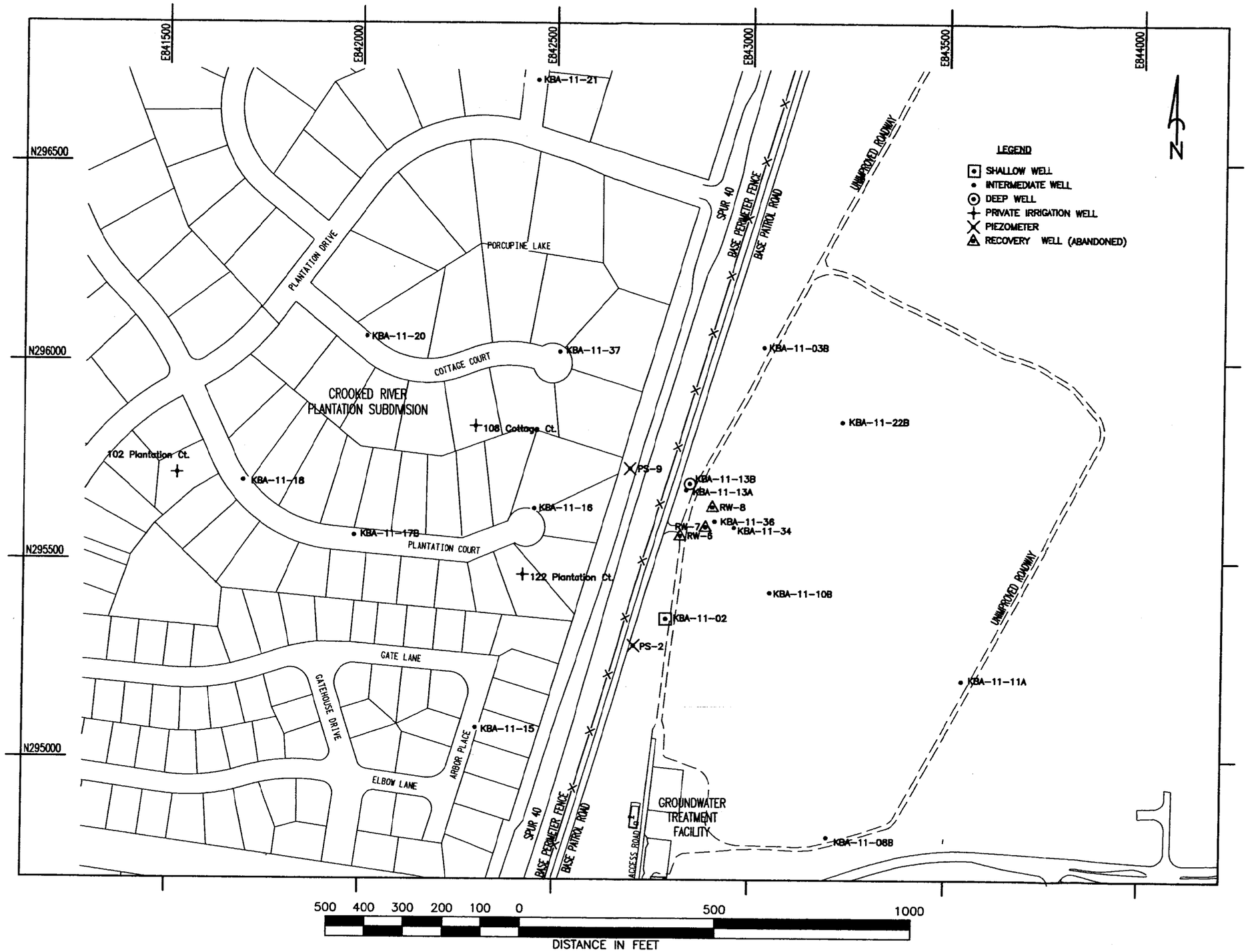

FIGURE 1: Site 11, Site Map

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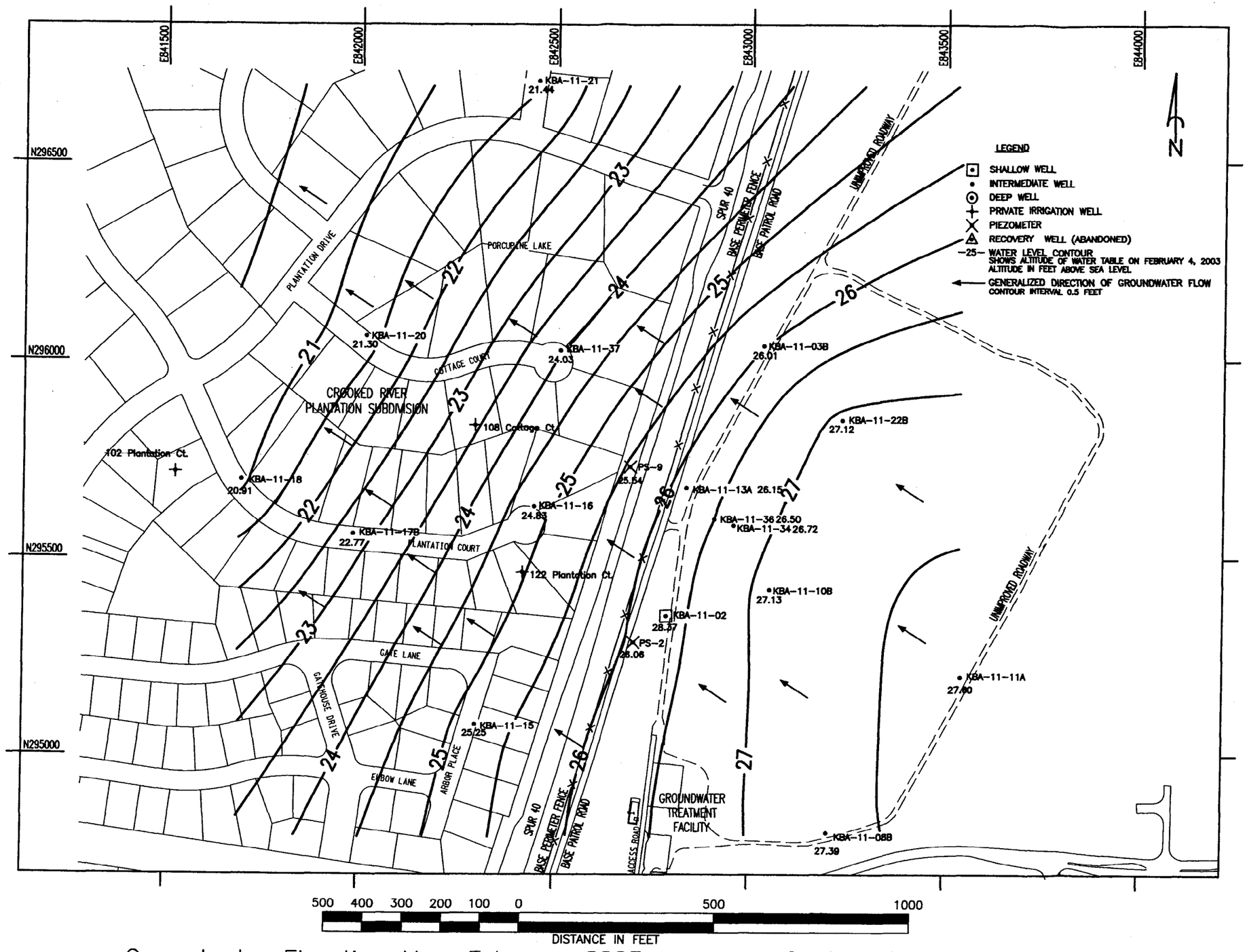


Groundwater Elevation Map–February 2003 Contour Interval=0.5 ft

FIGURE 2: Site 11, Groundwater Elevation Map–February 2003

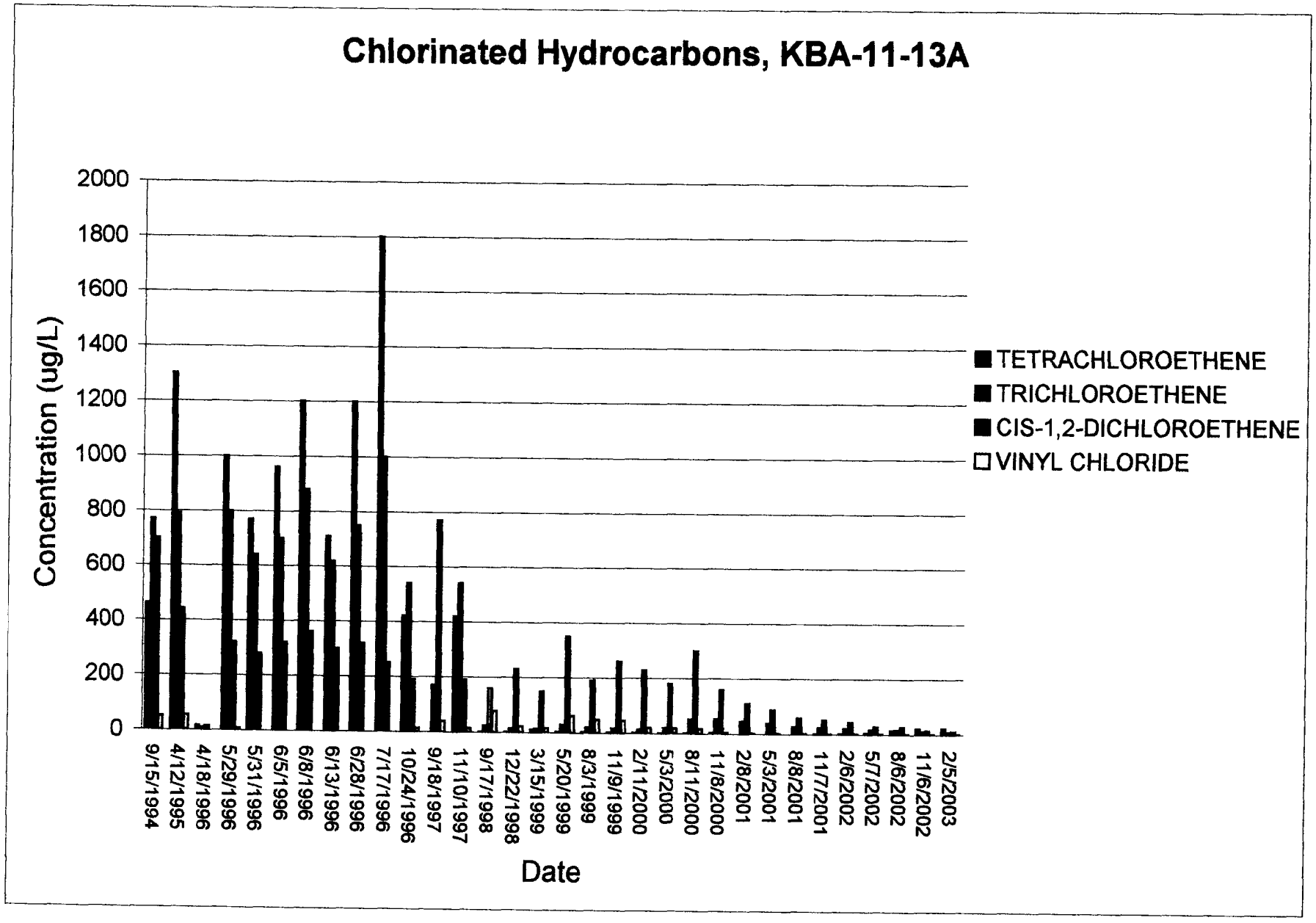
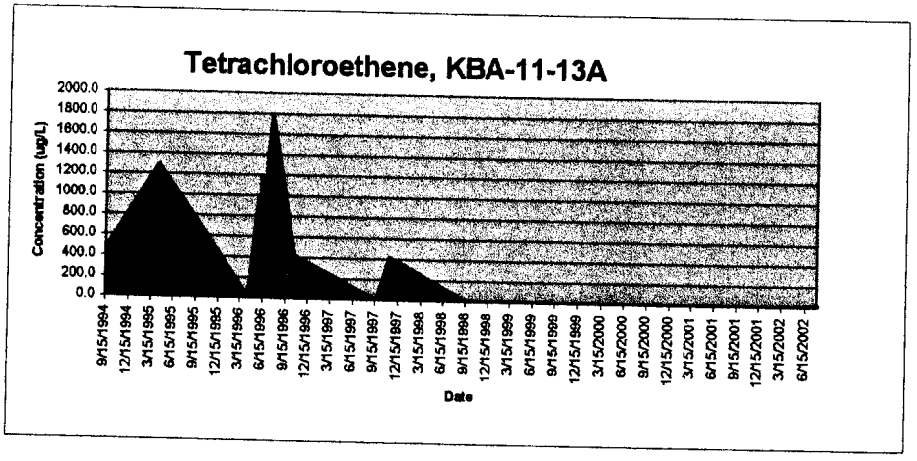
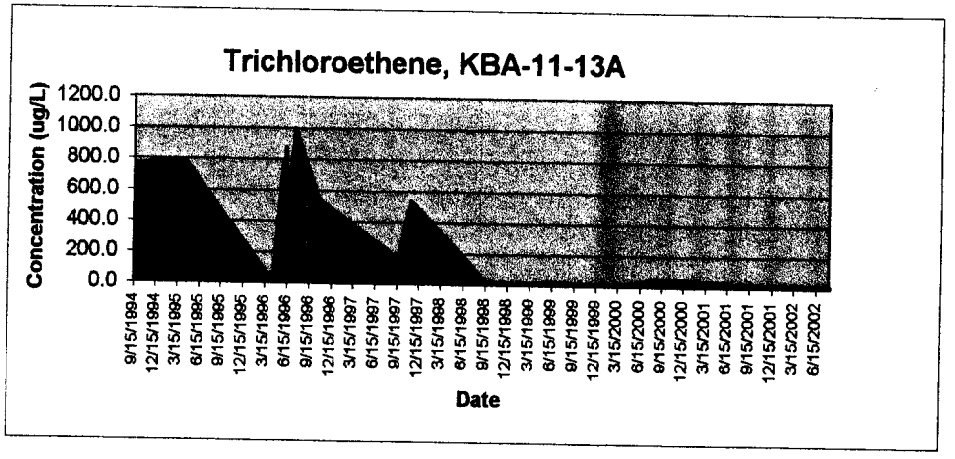
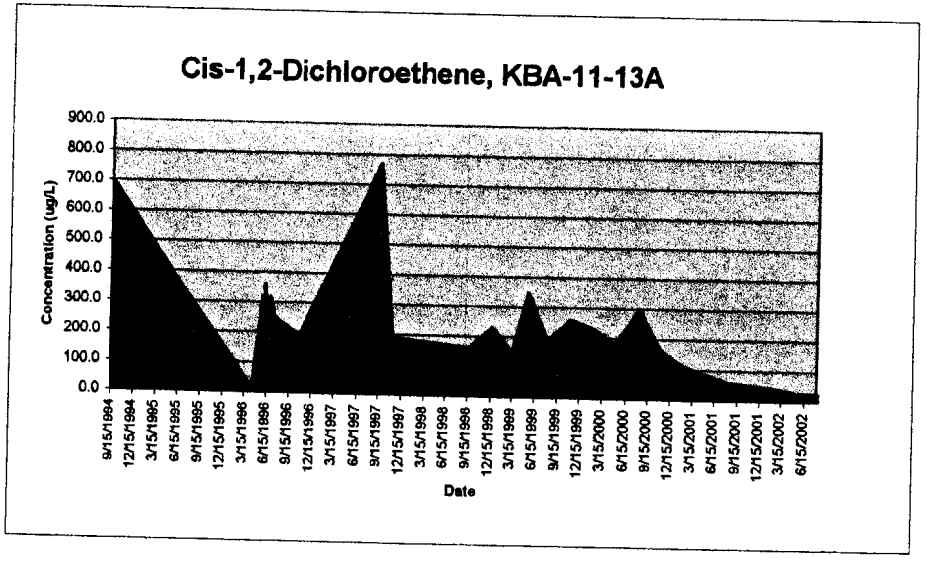


FIGURE 3 - CHLORINATED HYDROCARBONS, KBA-11-13A







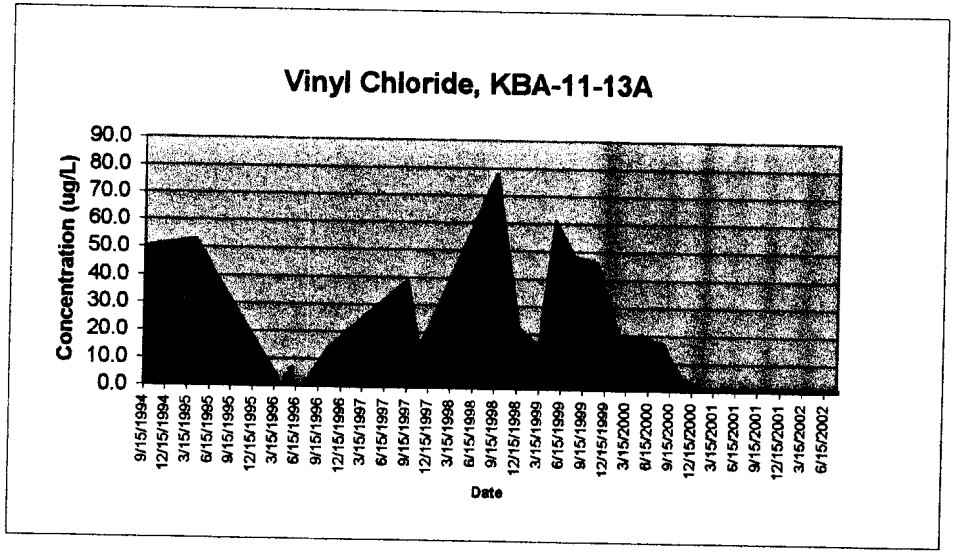


FIGURE 4 - CHLORINATED HYDROCARBON TRENDS, WELL KBA-11-13A

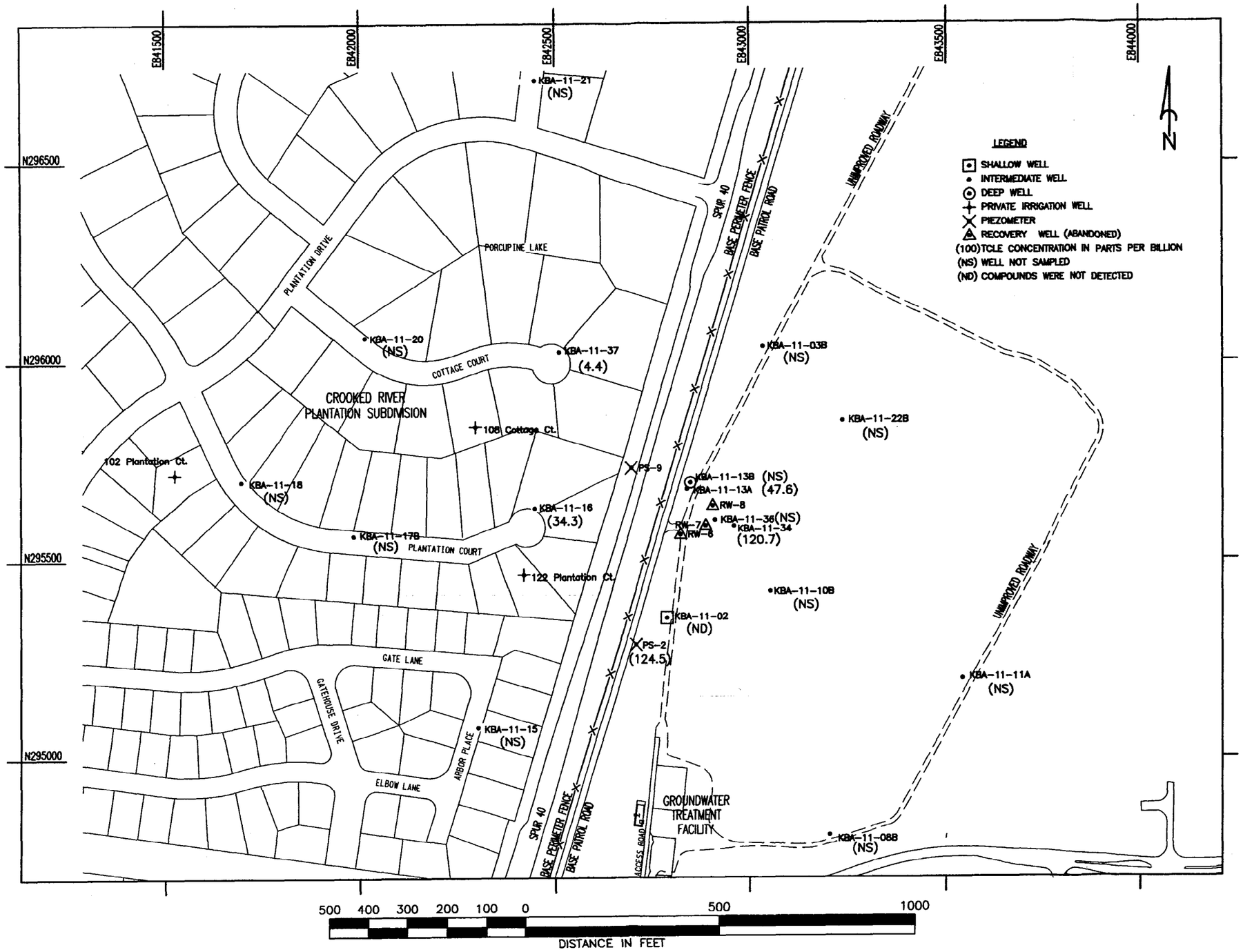


FIGURE 5: Site 11, Groundwater Monitoring Program,
Total Chlorinated Ethenes Concentrations (TCLE) November, 2002

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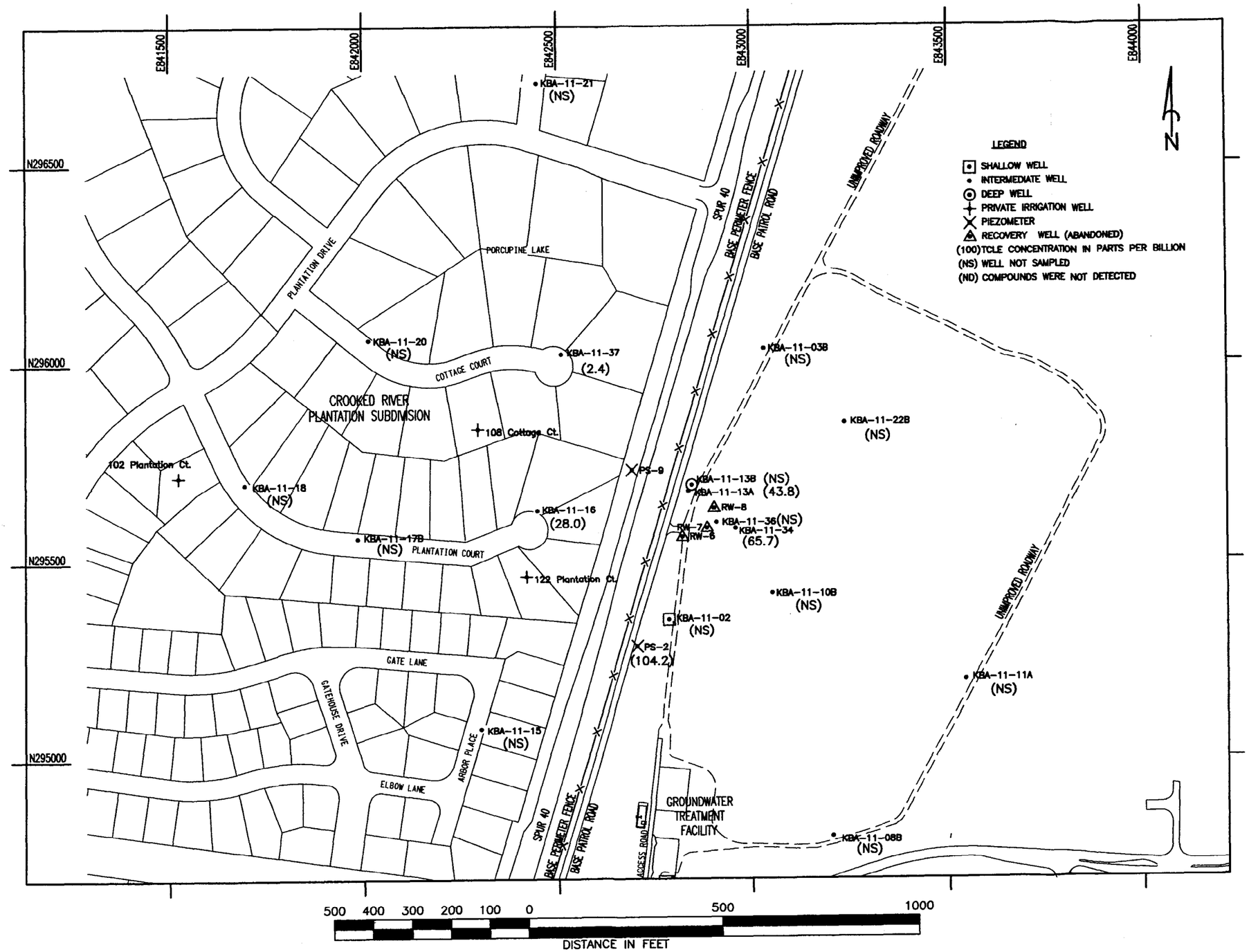

FIGURE 6: Site 11, Groundwater Monitoring Program,
Total Chlorinated Ethenes Concentrations (TCLE) February, 2003

Table 1
Headspace Readings

Well Identification	Date	PID Measurement (ppm)	Barometer Pressure (Inches of Hg)	Temperature (F°)
KBA-11-02	11/8/1999	0.7	NM	NM
	2/1/2000	0.1	NM	NM
	5/2/2000	0	NM	NM
	8/8/2000	0	NM	NM
	11/8/2000	0	NM	NM
	2/6/2001	0	NM	NM
	5/1/2001	0	NM	NM
	8/7/2001	19.1	30.12	79.7
	11/6/2001	0	30.15	70.7
	2/5/2002	0	30.33	63.5
	5/6/2002	0	30.18	95
	8/5/2002	110	29.94	92.5
	11/4/2002	0	29.94	85.1
	2/4/2003	0	29.80	65.0
KBA-11-03B	8/3/1999	0.2	NM	NM
	11/8/1999	2	NM	NM
	5/2/2000	0	NM	NM
	11/8/2000	0	NM	NM
	2/5/2001	0	NM	NM
	8/7/2001	2.4	30.12	94.6
	11/6/2001	0	30.12	72.5
	2/5/2002	0	30.3	55.4
	5/6/2002	9.6	30.18	90
	8/5/2002	0	29.94	92.5
	11/4/2002	0	29.94	85.1
	2/4/2003	0	29.83	63.0
KBA-11-08B	8/3/1999	0	NM	NM
	11/8/1999	1.5	NM	NM
	5/2/2000	0	NM	NM
	11/8/2000	0	NM	NM
	2/5/2001	0	NM	NM
	8/7/2001	0	30.12	96.4
	11/6/2001	0	30.12	73.4
	2/5/2002	0.9	30.3	51.8
	5/6/2002	1.6	30.18	92.1
	8/5/2002	0	29.94	92.5
	11/4/2002	2.6	29.94	86.5
	2/4/2003	0	29.83	62.0

NM = not measured
PID = photoionization detector

Table 1
Headspace Readings

Well Identification	Date	PID Measurement (ppm)	Barometer Pressure (Inches of Hg)	Temperature (F°)
KBA-11-10B	8/2/1999	1.9	NM	NM
	11/8/1999	5	NM	NM
	8/8/2000	0	NM	NM
	11/8/2000	0	NM	NM
	2/5/2001	0	NM	NM
	8/7/2001	0	30.12	94.7
	11/6/2001	0	30.15	68
	2/5/2002	0	30.33	57.2
	5/6/2002	0	30.18	92.5
	8/5/2002	2000	29.97	89.1
	11/4/2002	0	29.94	86
	2/4/2003	0	29.8	66
KBA-11-11A	8/3/1999	0.3	NM	NM
	11/8/1999	4.5	NM	NM
	5/2/2000	0	NM	NM
	8/10/2000	0	NM	NM
	11/8/2000	0	NM	NM
	2/5/2001	0	NM	NM
	8/7/2001	0	30.12	92.4
	11/6/2001	0	30.12	74.3
	2/5/2002	0	30.3	56.3
	5/6/2002	0	30.18	92.3
	8/5/2002	0	29.94	92.5
	11/4/2002	0	29.94	86
	2/4/2003	0	29.83	62
KBA-11-13A	8/3/1999	13	NM	NM
	11/8/1999	2	NM	NM
	2/4/2000	0	NM	NM
	5/2/2000	0	NM	NM
	8/10/2000	0	NM	NM
	11/8/2000	0	NM	NM
	2/9/2001	3.5	NM	NM
	5/3/2001	0	NM	NM
	8/7/2001	2.8	30.12	88.7
	11/6/2001	0	30.15	70.7
	2/5/2002	0	30.33	55.4
	5/6/2002	0	30.18	94
	8/5/2002	0	29.97	90
	11/4/2002	0	29.94	88
	2/4/2003	0	29.8	67

NM = not measured
PID = photoionization detector

Table 1
Headspace Readings

Well Identification	Date	PID Measurement (ppm)	Barometer Pressure (Inches of Hg)	Temperature (F°)
KBA-11-13B	8/3/1999	0	NM	NM
	11/8/1999	2	NM	NM
	5/2/2000	0	NM	NM
	8/8/2000	0	NM	NM
	11/8/2000	0	NM	NM
	2/9/2001	0	NM	NM
	5/4/2001	0.1	NM	NM
	8/7/2001	0	30.12	92.6
	11/6/2001	0	30.12	70.2
	2/5/2002	0	30.33	55.4
	5/6/2002	0	30.18	94
	8/5/2002	0	29.94	90
	11/4/2002	0	29.94	88
	2/4/2003	0	29.8	66
KBA-11-15	8/17/1999	2,200	NM	NM
	11/9/1999	2.5	NM	NM
	2/7/2000	0	NM	NM
	5/2/2000	0	NM	NM
	8/9/2000	0	NM	NM
	11/8/2000	0	NM	NM
	2/13/2001	0	NM	NM
	5/4/2001	6.1	NM	NM
	8/7/2001	0	30.06	91.2
	11/6/2001	0	30.09	74.3
	2/5/2002	0	30.39	51.8
	5/6/2002	14.7	30.18	83.3
	8/5/2002	130	29.94	86
	11/4/2002	155.6	30.03	79.7
	2/4/2003	0	29.85	58

NM = not measured
PID = photoionization detector

Table 1
Headspace Readings

Well Identification	Date	PID Measurement (ppm)	Barometer Pressure (Inches of Hg)	Temperature (F°)
KBA-11-16	8/17/1999	3,500	NM	NM
	11/9/1999	1	NM	NM
	2/7/2000	0	NM	NM
	5/2/2000	0	NM	NM
	8/9/2000	0	NM	NM
	11/8/2000	0	NM	NM
	2/6/2001	4.2	NM	NM
	5/2/2001	10.5	NM	NM
	8/7/2001	0	30.06	94.2
	11/6/2001	3.2	30.12	77
	2/5/2002	0	30.39	53.6
	5/6/2002	43.7	30.18	87
	8/5/2002	0	29.94	89.6
	11/4/2002	49.5	30.03	80.6
	2/4/2003	0.2	29.85	59.0
KBA-11-17B	8/17/1999	2,700	NM	NM
	11/9/1999	5	NM	NM
	2/7/2000	0	NM	NM
	5/3/2000	0	NM	NM
	8/9/2000	0	NM	NM
	11/8/2000	0	NM	NM
	2/13/2001	0	NM	NM
	5/4/2001	0	NM	NM
	8/7/2001	0	30.06	92.9
	11/6/2001	7.5	30.12	77.9
	2/5/2002	7,200	30.39	54.5
	5/6/2002	8.3	30.18	88.1
	8/5/2002	0	29.94	90.5
	11/4/2002	377	30.03	80.6
	2/4/2003	0	29.85	59.0

NM = not measured
PID = photoionization detector

Table 1
Headspace Readings

Well Identification	Date	PID Measurement (ppm)	Barometer Pressure (Inches of Hg)	Temperature (F°)
KBA-11-18	8/17/1999	3,600	NM	NM
	11/9/1999	11	NM	NM
	5/3/2000	0	NM	NM
	11/8/2000	0	NM	NM
	2/16/2001	0	NM	NM
	5/4/2001	0	NM	NM
	8/7/2001	0	30.09	93.2
	11/6/2001	8.5	30.12	77.9
	2/5/2002	150	30.39	55.4
	5/6/2002	26.7	30.18	90.1
	8/5/2002	0	29.94	90.5
	11/4/2002	258	30.03	79.7
	2/4/2003	0	29.85	59.0
KBA-11-20	5/2/2000	0	NM	NM
	11/8/2000	0	NM	NM
	2/13/2001	0	NM	NM
	5/4/2001	0	NM	NM
	8/7/2001	0	30.09	91.3
	11/6/2001	0.5	30.09	75.2
	2/5/2002	0	30.39	53.6
	5/6/2002	13.1	30.21	85.9
	8/5/2002	179	29.94	90
	11/4/2002	193	30.03	78.8
	2/4/2003	0	29.85	59.0
KBA-11-21	8/3/1999	3	NM	NM
	11/9/1999	7.5	NM	NM
	5/2/2000	0	NM	NM
	11/8/2000	0	NM	NM
	2/13/2001	0	NM	NM
	5/4/2001	0	NM	NM
	8/7/2001	0	30.06	93.9
	11/6/2001	0	30.09	73.4
	2/5/2002	0	30.39	53.6
	5/6/2002	23.9	30.18	83.3
	8/5/2002	152	29.94	88.2
	11/4/2002	158	30.03	77.9
	2/4/2003	0	29.85	59.0

NM = not measured
PID = photoionization detector

Table 1
Headspace Readings

Well Identification	Date	PID Measurement (ppm)	Barometer Pressure (Inches of Hg)	Temperature (F°)
KBA-11-22	8/3/1999	7	NM	NM
	11/8/1999	0.6	NM	NM
	5/2/2000	0	NM	NM
	11/8/2000	0	NM	NM
	2/12/2001	0	NM	NM
	5/4/2001	0	NM	NM
	8/7/2001	14.7	30.12	91
	11/6/2001	0	30.12	73.4
	2/5/2002	0	30.33	58.1
	5/6/2002	0	30.18	95
	8/5/2002	0	29.94	91.4
	11/4/2002	26.6	29.94	84.2
	2/4/2003	0	29.8	64.0
KBA-11-34	8/3/1999	1,400	NM	NM
	11/8/1999	2	NM	NM
	2/7/2000	0.4	NM	NM
	5/2/2000	0	NM	NM
	8/8/2000	0	NM	NM
	11/8/2000	0	NM	NM
	2/8/2001	25.6	NM	NM
	5/3/2001	28.6	NM	NM
	8/7/2001	0	30.12	92.7
	11/6/2001	0	30.15	70.7
	2/5/2002	0	30.33	55.4
	5/6/2002	0	30.18	95
	8/5/2002	0	29.94	90
	11/4/2002	0	29.94	87
	2/4/2003	0	29.8	66
KBA-11-36	8/3/1999	10	NM	NM
	11/8/1999	0.6	NM	NM
	5/2/2000	0	NM	NM
	11/8/2000	0	NM	NM
	2/12/2001	0	NM	NM
	5/4/2001	0	NM	NM
	8/7/2001	0	30.12	92.8
	11/6/2001	0	30.15	70.7
	2/5/2002	0	30.33	57.2
	5/6/2002	0	30.18	95
	8/5/2002	0	29.94	90
	11/4/2002	0	29.94	87
	2/4/2003	0	29.8	66

NM = not measured
PID = photoionization detector

Table 1
Headspace Readings

Well Identification	Date	PID Measurement (ppm)	Barometer Pressure (Inches of Hg)	Temperature (F°)
KBA-11-37	8/16/1999	400	NM	NM
	11/9/1999	3	NM	NM
	2/8/2000	0	NM	NM
	5/4/2000	>2000	NM	NM
	8/9/2000	0	NM	NM
	11/8/2000	0	NM	NM
	2/7/2001	27	NM	NM
	5/2/2001	102.5	NM	NM
	8/7/2001	0	30.09	93.1
	11/6/2001	2.8	30.09	75.2
	2/5/2002	0	30.39	53.6
	5/6/2002	10.3	30.21	86.5
	8/5/2002	105	29.94	89.6
	11/4/2002	1461	30.03	79.7
	2/4/2003	0	29.85	59
PS-2	11/8/1999	0.5	NM	NM
	2/7/2000	0	NM	NM
	5/3/2000	>2000	NM	NM
	8/8/2000	>2000	NM	NM
	11/8/2000	0	NM	NM
	2/7/2001	0	NM	NM
	5/2/2001	0.08	NM	NM
	8/7/2001	0	30.12	91.4
	11/6/2001	0	30.15	70.7
	2/5/2002	19.9	30.33	55.4
	5/6/2002	0	30.18	95
	8/5/2002	0	29.97	88
	11/4/2002	0	29.94	85.1
	3/4/2003	0	29.8	64
PS-9	5/2/2000	0	NM	NM
	11/8/2000	0	NM	NM
	2/13/2001	0	NM	NM
	5/4/2001	0	NM	NM
	8/7/2001	0	30.06	91.2
	11/6/2001	0.03	30.09	68.9
	2/5/2002	0	30.42	49.1
	5/6/2002	10.5	30.18	84.2
	8/5/2002	240	29.94	86
	11/4/2002	186	30.03	78.8
	2/4/2003	0	29.85	59

NM = not measured
PID = photoionization 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	8/2/1999	36.02	11.37	24.65	15.00	15.42
	11/8/1999		9.61	26.41		15.19
	2/4/2000		11.50	24.52		15.30
	5/2/2000		10.10	25.92		14.00
	8/8/2000		No water	No water		10.80
	11/8/2000		8.65	27.37		10.60
	2/6/2001		10.18	25.84		10.18
	5/1/2001		9.53	26.49		10.65
	8/7/2001		8.13	27.89		10.87
	11/6/2001		8.07	27.95		10.88
	2/5/2002		8.60	27.42		11.00
	5/6/2002		9.71	26.31		10.90
	8/5/2002		10.11	25.91		10.88
	11/4/2002		6.85	29.17		10.97
	2/4/2003		7.65	28.37		10.90
KBA-11-03B	8/2/1999	33.49	10.01	23.48	47.00	47.82
	11/8/1999		8.54	24.95		47.77
	2/24/2000		9.50	23.99		49.10
	5/2/2000		8.70	24.79		47.10
	8/15/2000		10.40	23.09		47.50
	11/6/2000		7.78	25.71		47.50
	2/5/2001		8.67	24.82		47.50
	5/1/2001		8.43	25.06		47.50
	8/7/2001		6.78	26.71		47.56
	11/6/2001		7.39	26.10		47.50
	2/5/2002		8.37	25.12		47.51
	5/6/2002		8.75	24.74		47.44
	8/5/2002		8.69	24.80		47.51
	11/4/2002		7.65	25.84		47.52
	2/4/2003		7.48	26.01		47.51

ft = feet
msl = above mean sea level
btoc = below top of casing

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-11-08B	8/2/1999	38.20	13.74	24.46	43.00	43.77
	11/8/1999		12.04	26.16		43.75
	2/24/2000		13.40	24.80		44.90
	5/2/2000		12.10	26.10		43.80
	8/15/2000		14.00	24.20		43.50
	11/20/2000		11.54	26.66		43.46
	2/5/2001		12.04	26.16		43.51
	5/1/2001		11.85	26.35		43.59
	8/7/2001		10.02	28.18		43.49
	11/6/2001		10.78	27.42		43.47
	2/5/2002		11.66	26.54		43.48
	5/6/2002		12.25	25.95		43.48
	8/5/2002		11.84	26.36		43.47
	11/4/2002		10.82	27.38		43.50
	2/4/2003		10.81	27.39		43.50
KBA-11-10B	8/2/1999	38.03	13.90	24.13	51.50	51.67
	11/8/1999		12.31	25.72		51.62
	2/24/2000		13.50	24.53		53.00
	5/2/2000		12.80	25.23		53.40
	8/8/2000		14.90	23.13		52.20
	11/6/2000		14.03	24.00		54.34
	2/5/2001		12.48	25.55		51.35
	5/1/2001		12.06	25.97		51.35
	8/7/2001		10.48	27.55		51.38
	11/6/2001		10.96	27.07		51.37
	2/5/2002		12.11	25.92		51.37
	5/6/2002		12.40	25.63		51.36
	8/5/2002		12.53	25.50		51.36
	11/4/2002		11.07	26.96		51.36
	2/4/2003		10.90	27.13		51.34

ft = feet
msl = above mean sea level
btoc = below top of casing

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-11-11A	8/2/1999	35.85	11.40	24.45	37.00	37.12
	11/8/1999		9.61	26.24		37.12
	2/24/2000		11.10	24.75		37.20
	5/2/2000		9.40	26.45		37.00
	8/10/2000		11.70	24.15		37.40
	11/13/2000		8.85	27.00		36.86
	2/5/2001		9.60	26.25		36.84
	5/1/2001		9.31	26.54		36.83
	8/7/2001		7.64	28.21		36.86
	11/6/2001		8.16	27.69		36.83
	2/5/2002		8.23	27.62		36.85
	5/6/2002		9.69	26.16		36.81
	8/5/2002		9.43	26.42		36.82
	11/4/2002		8.30	27.55		36.86
	2/4/2003		8.25	27.60		36.85
KBA-11-13A	8/2/1999	34.20	10.77	23.43	42.50	42.52
	11/8/1999		9.25	24.95		42.75
	2/4/2000		10.20	24.00		42.40
	5/2/2000		9.30	24.90		42.00
	8/10/2000		11.20	23.00		42.90
	11/8/2000		6.52	27.68		42.30
	2/9/2001		9.53	24.67		42.26
	5/3/2001		9.21	24.99		42.25
	8/7/2001		7.51	26.69		42.31
	11/6/2001		8.17	26.03		42.27
	2/5/2002		9.13	25.07		42.26
	5/6/2002		9.46	24.74		42.29
	8/5/2002		9.47	24.73		42.25
	11/4/2002		8.20	26.00		42.29
	2/4/2003		8.05	26.15		42.24

ft = feet
msl = above mean sea level
btoc = below top of casing

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-11-13B	8/2/1999	34.86	14.27	20.59	90.70	90.77
	11/8/1999		12.88	21.98		90.72
	2/24/2000		13.60	21.26		91.40
	5/2/2000		12.80	22.06		91.00
	8/8/2000		14.60	20.26		91.80
	11/6/2000		12.50	22.36		91.60
	2/9/2001		13.05	21.81		90.53
	5/4/2001		13.09	21.77		90.49
	8/7/2001		11.37	23.49		91.98
	11/6/2001		12.33	22.53		90.50
	2/5/2002		12.80	22.06		90.60
	5/6/2002		13.38	21.48		90.52
	8/5/2002		13.07	21.79		90.46
	11/4/2002		12.20	22.66		90.51
	2/4/2003		12.24	22.62		90.47
KBA-11-15	8/2/1999	28.49	5.60	22.89	39.00	39.22
	11/9/1999		4.07	24.42		39.17
	2/7/2000		4.80	23.69		39.00
	5/2/2000		3.90	24.59		38.00
	8/9/2000		5.70	22.79		39.30
	11/7/2000		3.69	24.80		38.70
	2/13/2001		4.45	24.04		38.89
	5/4/2001		4.12	24.37		38.90
	8/7/2001		2.22	26.27		38.94
	11/6/2001		3.20	25.29		38.90
	2/5/2002		3.98	24.51		38.90
	5/6/2002		4.43	24.06		38.90
	8/5/2002		4.32	24.17		38.92
	11/4/2002		3.38	25.11		37.91
	2/4/2003		3.24	25.25		38.92

ft = feet
msl = above mean sea level
btoc = below top of casing

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-11-16	8/2/1999	28.66	6.17	22.49	44.90	44.77
	11/9/1999		4.73	23.93		44.72
	2/7/2000		5.30	23.36		45.30
	5/3/2000		3.90	24.76		44.00
	8/9/2000		6.40	22.26		45.10
	11/8/2000		4.39	24.27		44.45
	2/6/2001		4.98	23.68		44.47
	5/2/2001		4.48	24.18		44.46
	8/7/2001		2.59	26.07		43.48
	11/6/2001		3.99	24.67		44.46
	2/5/2002		4.70	23.96		44.47
	5/6/2002		5.09	23.57		44.45
	8/5/2002		4.95	23.71		44.47
	11/4/2002		4.00	24.66		44.47
	2/4/2003		3.83	24.83		44.48
KBA-11-17B	8/2/1999	25.41	4.61	20.80	44.80	44.72
	11/9/1999		3.03	22.38		44.67
	2/7/2000		3.60	21.81		44.40
	5/3/2000		2.70	22.71		42.30
	8/9/2000		4.60	20.81		45.00
	11/7/2000		3.07	22.34		45.30
	2/13/2001		3.65	21.76		44.41
	5/4/2001		3.33	22.08		44.41
	8/7/2001		1.29	24.12		44.48
	11/6/2001		2.81	22.60		44.41
	2/5/2002		3.27	22.14		44.44
	5/6/2002		3.74	21.67		44.44
	8/5/2002		3.35	22.06		44.43
	11/4/2002		2.66	22.75		44.45
	2/4/2003		2.64	22.77		44.42

ft = feet
msl = above mean sea level
btoc = below top of casing

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-11-18	8/2/1999	22.81	3.67	19.14	45.80	45.82
	11/9/1999		2.05	20.76		45.77
	2/25/2000		2.70	20.11		46.80
	5/3/2000		1.50	21.31		45.50
	8/15/2000		3.70	19.11		45.40
	11/8/2000		2.24	20.57		47.51
	2/16/2001		2.77	20.04		45.50
	5/4/2001		2.57	20.24		45.51
	8/7/2001		0.38	22.43		45.59
	11/6/2001		2.18	20.63		45.51
	2/5/2002		2.45	20.36		45.53
	5/6/2002		2.96	19.85		45.43
	8/5/2002		2.48	20.33		45.51
	11/4/2002		1.82	20.99		45.51
	2/4/2003		1.90	20.91		45.54
KBA-11-20	8/2/1999	23.07	3.22	19.85	40.00	40.12
	11/9/1999		1.94	21.13		40.12
	2/25/2000		2.60	20.47		40.90
	5/2/2000		1.60	21.47		40.90
	8/15/2000		3.60	19.47		40.20
	11/8/2000		2.18	20.89		39.84
	2/13/2001		2.39	20.68		39.86
	5/4/2001		2.48	20.59		39.86
	8/7/2001		0.58	22.49		39.87
	11/6/2001		2.04	21.03		39.84
	2/5/2002		2.18	20.89		39.86
	5/6/2002		2.73	20.34		39.84
	8/5/2002		1.95	21.12		39.85
	11/4/2002		1.67	21.40		39.85
	2/4/2003		1.77	21.30		39.86

ft = feet
msl = above mean sea level
btoc = below top of casing

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-11-21	8/2/1999	23.56	3.75	19.81	40.40	40.57
	11/9/1999		2.40	21.16		40.57
	2/25/2000		2.90	20.66		41.80
	5/2/2000		2.10	21.46		40.80
	8/15/2000		3.60	19.96		40.20
	11/6/2000		2.40	21.16		40.20
	2/13/2001		2.69	20.87		40.30
	5/4/2001		2.83	20.73		40.30
	8/7/2001		0.94	22.62		40.30
	11/6/2001		2.25	21.31		40.29
	2/5/2002		2.49	21.07		40.30
	5/6/2002		3.04	20.52		40.27
	8/5/2002		2.36	21.20		40.29
	11/4/2002		2.00	21.56		40.31
	2/4/2003		2.12	21.44		40.29
KBA-11-22B	8/2/1999	36.13	11.92	24.21	52.60	52.62
	11/8/1999		10.34	25.79		52.59
	2/25/2000		11.60	24.53		53.60
	5/2/2000		10.80	25.33		52.20
	8/15/2000		11.40	24.73		52.30
	11/8/2000		9.21	26.92		52.30
	2/5/2001		10.48	25.65		52.29
	5/4/2001		10.18	25.95		52.33
	8/7/2001		8.54	27.59		52.38
	11/6/2001		8.81	27.32		52.28
	2/5/2002		10.15	25.98		52.29
	5/6/2002		10.40	25.73		52.28
	8/5/2002		10.59	25.54		52.28
	11/4/2002		9.26	26.87		52.29
	2/4/2003		9.01	27.12		52.29

ft = feet
msl = above mean sea level
btoc = below top of casing

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-11-34	8/2/1999	37.51	13.75	23.76	40.00	41.07
	11/8/1999		12.18	25.33		41.07
	2/7/2000		13.20	24.31		41.04
	5/2/2000		12.30	25.21		41.40
	8/8/2000		14.30	23.21		41.60
	11/8/2000		11.31	26.20		40.76
	2/8/2001		12.40	25.11		40.76
	5/3/2001		12.01	25.50		40.45
	8/7/2001		10.35	27.16		40.78
	11/6/2001		10.96	26.55		40.78
	2/5/2002		11.95	25.56		40.76
	5/6/2002		12.26	25.25		40.77
	8/5/2002		12.42	25.09		40.76
	11/4/2002		10.95	26.56		40.78
	2/4/2003		10.79	26.72		40.74
KBA-11-36	8/2/1999	37.91	14.34	23.57	40.00	41.67
	11/8/1999		12.84	25.07		41.65
	2/24/2000		14.02	23.89		42.50
	5/4/2000		12.90	25.01		41.40
	8/15/2000		14.60	23.31		41.40
	11/8/2000		12.02	25.89		41.62
	2/12/2001		13.07	24.84		41.39
	5/4/2001		12.67	25.24		41.39
	8/7/2001		10.95	26.96		41.39
	11/6/2001		11.56	26.35		41.38
	2/5/2002		12.57	25.34		41.36
	5/6/2002		12.85	25.06		41.35
	8/5/2002		12.97	24.94		41.36
	11/4/2002		11.57	26.34		41.38
	2/4/2003		11.41	26.50		41.34

ft = feet
msl = above mean sea level
btoc = below top of casing

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-11-37	8/16/1999	26.26	4.15	22.11	38.50	38.57
	11/9/1999		2.86	23.40		38.46
	2/8/2000		3.20	23.06		38.40
	5/4/2000		2.40	23.86		38.20
	8/9/2000		4.10	22.16		38.60
	11/8/2000		2.76	23.50		30.20
	2/7/2001		2.96	23.30		38.18
	5/2/2001		3.00	23.26		38.20
	8/7/2001		1.37	24.89		38.21
	11/6/2001		2.43	23.83		38.19
	2/5/2002		2.82	23.44		38.18
	5/6/2002		3.28	22.98		38.19
	8/5/2002		2.84	23.42		38.19
	11/4/2002		2.29	23.97		38.20
	2/4/2003		2.23	24.03		38.22
PS-2	8/17/1999	32.71	9.60	23.11	40.67	39.60
	11/8/1999		7.80	24.91		37.47
	2/7/2000		8.80	23.91		36.80
	5/4/2000		7.20	25.51		36.80
	8/8/2000		9.90	22.81		37.50
	11/8/2000		8.85	23.86		36.86
	2/7/2001		8.06	24.65		37.24
	5/2/2001		7.72	24.99		37.19
	8/7/2001		5.97	26.74		37.24
	11/6/2001		6.68	26.03		37.24
	2/5/2002		7.61	25.10		37.22
	5/6/2002		8.00	24.71		37.20
	8/5/2002		8.01	24.70		37.21
	11/4/2002		6.76	25.95		37.20
	2/4/2003		6.65	26.06		37.23

ft = feet
msl = above mean sea level
btoc = below top of casing

Table 3
Well Purge Parmeters

Well Identification	Date	Volume Purged (gal)	Temperature (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
KBA-11-02	11/9/1999	6	23.4	5.94	-160	0.527	3	0.51
	2/4/2000	3	22.7	5	-258	0.604	12	1.7
	5/3/2000	6	22.5	6.8	NM	0.44	10	2.3
	8/8/2000			no water – well was not purged				
	11/8/2000	6	23.7	6.62	-189	0.325	7	0.67
	2/6/2001	6	18.9	6.35	-255	0.343	11	0.07
	5/1/2001	6	22	6.1	-84	0.276	6	8.55
	8/8/2001	6	26.9	7.09	-242.2	0.248	10	9.65
	11/7/2001	8	22.7	6.69	-59	0.317	0.7	3.59
	2/6/2002	6	20.96	6.51	-85	0.206	0.4	0.97
	5/7/2002	8	22.1	6.42	-105	0.167	5.31	0
	8/6/2002	6	27.97	8.52	-39	0.35	5.1	3.88
	11/5/2002	8	24.58	6.14	-47	0.808	-1.9	5.17
KBA-11-10B	8/2/1999	6	25.6	5.14	-221	0.304	2	NM
	8/8/2000	6	25	6.3	-65	0.295	12	0.04
	8/9/2001	6	24.1	6.16	-222.6	0.317	5	9.99
	8/7/2002	8	25.82	8.37	-23	0.328	6.8	3.96
KBA-11-11A	8/10/2000	6	22.9	6	-18	0.071	4	0.01
	8/8/2001	8	22.8	5.64	-216.6	0.079	10	8.6
	8/6/2002	8	24.02	7.45	3	0.074	0.4	3.67
KBA-11-13A	8/3/1999	6	24.3	5.5	-210	0.463	17	NM
	11/9/1999	8	23	5.54	-142	0.467	2	0.78
	2/4/2000	8	22.3	6.68	-217	0.503	10	1.17
	5/3/2000	6	24.5	6.4	-113	0.561	10	1.1
	8/10/2000	6	23.7	6.2	-48	1.35	1	0.11
	11/8/2000	6	24.3	5.4	-81	1.3	4	0.4
	2/8/2001	6	23.8	4.8	-277	1.8	8	0.31
	5/3/2001	6	22.8	4.75	-76	2.16	1.9	8.5
	8/8/2001	8	25.2	4.98	-166.8	2.38	9	9.05
	11/7/2001	6	23.3	4.97	-10	1.75	0.6	3.53
	2/6/2002	8	24.1	4.85	-42	1.8	5.8	5.88
	5/8/2002	8	23.89	4.46	-16	1.66	8.3	0
	8/6/2002	8	26.67	6.7	69	1.82	32.7	2.51
	11/6/2002	8	23.8	5.84	-2	1.72	16.8	3.57
	2/5/2003	8	22.2	4.34	-62	1.21	7.33	3.41
KBA-11-13B	8/3/1999	8	24.9	7.15	-43	0.267	0	NM
	8/8/2000	6	24.3	7.5	-37	0.241	2	0.07
	8/8/2001	6	24.5	8.11	-243.3	0.29	0.85	10.21
	8/7/2002	8	26.3	8.76	-41	0.341	3.1	3.53
KBA-11-15	8/3/1999	6	25	4.9	-182	0.677	9	NM
	2/7/2000	7	20.8	5.04	-313	0.536	5	1.43
	8/9/2000	6	24.2	5.7	-91	0.694	3	0.13
	8/9/2001	6	22.7	5.9	-204.8	0.97	10	8.83
	8/7/2002	8	24.57	7.62	24	0.775	2.7	5.54

°C = degrees centigrade
NTU = nephelometric turbidity units
mV = millivolts

mg/L = milligrams per liter
mS/cm =microsiemens per centimeter
NM = not measured

Table 3
Well Purge Parmeters

Well Identification	Date	Volume Purged (gal)	Temperature (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
KBA-11-16	8/3/1999	7	26.8	4.76	-111	0.171	35	NM
	11/9/1999	8	24	4.89	-104	0.263	20	0.57
	2/7/2000	7	22.8	5.4	-275	0.364	8	1.09
	5/4/2000	6	23.6	6.1	NM	0.146	10	3.7
	8/9/2000	6	24.6	5.6	-67.7	0.331	1	0.06
	11/8/2000	6	25.02	5.02	-102	0.302	4	0.15
	2/6/2001	6	23.4	4.92	-111	0.345	2	0.03
	5/2/2001	6	23.1	4.17	-123	0.411	7	7.3
	8/9/2001	8	24.4	5.58	-248.1	0.394	4	8.68
	11/7/2001	8	23.6	4.79	-54	0.387	4.8	0.8
	2/6/2002	6	24.64	4.94	-140	0.28	0.7	2.3
	5/7/2002	6	24.41	4.81	-170	0.188	6.5	0
	8/7/2002	8	27.44	8.36	-45	0.449	1.1	10.45
	11/5/2002	8	25.29	5.82	-147	0.339	-0.3	4.3
	2/5/2003	8	20.80	5.22	-199	0.326	4.5	4.92
KBA-11-17B	8/3/1999	8	24.7	4.48	-112	0.118	6	NM
	2/7/2000	7	21.9	5.4	-287	0.135	3	1.08
	8/9/2000	6	24.3	6.8	-101	0.073	2	0.01
	8/9/2001	6	23.6	5.46	-178.4	0.118	10	8.7
	8/7/2002	8	25.88	7.14	58	0.583	2	3.35
KBA-11-34	8/3/1999	6	30.5	3.2	-300	2.36	13	NM
	11/9/1999	8	27.2	3.58	-134	2.26	9	0.44
	2/7/2000	8	24.9	2.81	-184	2.19	9	2.43
	5/4/2000	6	25.8	3.9	-119	1.36	10	5.85
	8/8/2000	6	27.8	3.7	-315	1.78	38	0.02
	11/8/2000	6	26.03	3.51	-189	1.73	44	1.73
	2/8/2001	6	26.9	3.8	-249	1.69	4	0.06
	5/3/2001	8	25.2	3.88	-113	1.48	3	6.96
	8/9/2001	6	27.5	4.35	-152.5	1.07	12	8.77
	11/7/2001	6	25.3	3.7	-404	0.652	4.7	19.99
	2/6/2002	6	28.08	3.45	-322	1.28	0.5	8.45
	5/8/2002	8	27.12	3.65	-260	1.1	4.5	0
	8/8/2002	8	27.89	5.05	112	1.02	5.3	3.32
	11/5/2002	8	26.83	4.85	97	0.913	0.3	4.95
	2/5/2003	8	24.3	3.94	-161	0.783	42.4	2.64

°C = degrees centigrade
NTU = nephelometric turbidity units
mV = millivolts

mg/L = milligrams per liter
mS/cm =microsiemens per centimeter
NM = not measured

Table 3
Well Purge Parmeters

Well Identification	Date	Volume Purged (gal)	Temperature (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
KBA-11-37	8/16/1999	9	25.5	5.52	-227	0.517	15	NM
	11/9/1999	8	24.2	5.37	-200	0.573	12	0.46
	2/8/2000	8	21.3	6.1	-323	0.562	6	1.45
	5/4/2000	6	24	6.3	NM	0.517	10	1.75
	8/9/2000	6	24.6	6.2	-119	0.551	3	0.03
	11/8/2000	6	26.2	5.67	-73	0.533	4.3	0.86
	2/7/2001	6	22.5	5.5	-73	0.559	9	0.1
	5/2/2001	8	24.2	5.41	-139	0.595	30	8.55
	8/9/2001	6	25.5	6.28	-248.8	0.587	10	9.61
	11/7/2001	8	23.7	5.57	-72	0.618	0.5	1.75
	2/5/2002	6	24.68	5.56	-147	0.395	0.7	1.27
	5/7/2002	6	24.15	5.47	-155	0.231	6.01	0
	11/5/2002	8	24.95	5.96	-120	0.365	2.2	3.20
	2/5/2003	8	21.1	5.94	-148	0.310	2.5	5.09
PS-2	8/18/1999	7	23.2	4.95	-213	0.381	10	NM
	11/9/1999	8	22	4.87	-144	0.363	2	0.35
	2/7/2000	8	19.5	4.93	-387	0.355	10	1.43
	5/3/2000	6	21.6	5.7	NM	0.317	10	1.3
	8/8/2000	6	23	5	-108	0.3	2	0.04
	11/8/2000	6	24.2	5.4	-92	0.298	4	0.48
	2/7/2001	6	17.7	5.24	-90	0.29	3	0.03
	5/2/2001	8	21.7	5.42	-123	0.327	1	7.8
	8/9/2001	6	23.1	5.8	-223.5	0.318	5	9.84
	11/7/2001	8	21.2	5.06	-33	0.334	0.2	1.64
	2/6/2002	6	22.85	5.24	-120	0.286	0.7	0.8
	5/6/2002	6	22.1	4.98	-105	0.163	9.9	0
	11/5/2002	8	22.55	5.61	2	0.312	7.3	4.62
	2/5/2003	8	20.40	5.48	-160	0.325	3.9	2.10

°C = degrees centigrade
NTU = nephelometric turbidity units
mV = millivolts

mg/L = milligrams per liter
mS/cm =microsiemens per centimeter
NM = not measured

Table 4
Analytical Summary, Groundwater Protection Standard Compounds

KBA-11-02																		
Date	Tetrachloroethene	Trichloroethene	Cis -1,2-dichloroethene	Trans-1,2 dichloroethene	1,1-dichloroethene	1,1-dichloroethane	1,2-dichloroethane	Vinyl Chloride	Chloroethane	Benzene	Ethylbenzene	Toluene	Total xylenes	Chlorobenzene	1,4-dichlorobenzene	Naphthalene	Nickel (mg/L)	Cobalt (mg/L)
8/3/1999	3.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA	NA	NA
11/9/1999	3.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA	NA	NA
2/4/2000	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA	NA	NA
5/3/2000	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA	NA	NA
11/8/2000	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA	NA	NA
2/6/2001	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA	NA	NA
5/2/2001	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	0.1	1.0U	1.0U	NA	NA	NA
8/8/2001	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA	NA	NA
11/7/2001	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	4.8JB	NA	NA
2/6/2002	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	1.0U	NA	NA
5/7/2002	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	1.0U	0.00137	0.00137
8/6/2002	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	1.0U	0.0012	0.000036
11/5/2002	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	10U	NA	NA
Criteria	5.0	5.0	70	100	7.0	1.0	5.0	2.0	1.0	5.0	700	1,000	10,000	1.0	75	---	0.1	---

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 – Not analyzed

Table 4
Analytical Summary, Groundwater Protection Standard Compounds

KBA-11-10B																		
Date	Tetrachloroethene	Trichloroethene	Cis -1,2-dichloroethene	Trans-1,2 dichloroethene	1,1-dichloroethene	1,1-dichloroethane	1,2-dichloroethane	Vinyl Chloride	Chloroethane	Benzene	Ethylbenzene	Toluene	Total xylenes	Chlorobenzene	1,4-dichlorobenzene	Naphthalene	Nickel (mg/L)	Cobalt (mg/L)
8/2/1999	3.0U	1.0U	1.6I	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.6	10	1.0U	3.0U	**2.5**	1.5	NA	NA	NA
8/8/2000	1.0U	1.0U	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0	5.0	1.0U	3.0U	**1.0**	1.0	NA	NA	NA
8/9/2001	1.0U	1.0U	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	0.57J	2.5	1.0U	3.0U	**1.2**	0.76J	NA	NA	NA
8/6/2002	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.1	1.0U	3.0U	1.0U	**75**	1.0U	0.00065B	0.00003
Criteria	5.0	5.0	70	100	7.0	1.0	5.0	2.0	1.0	5.0	700	1,000	10,000	1.0	75	---	0.1	---

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 – Not analyzed

Table 4
Analytical Summary, Groundwater Protection Standard Compounds

KBA-11-11A																		
Date	Tetrachloroethene	Trichloroethene	Cis -1,2-dichloroethene	Trans-1,2 dichloroethene	1,1-dichloroethene	1,1-dichloroethane	1,2-dichloroethane	Vinyl Chloride	Chloroethane	Benzene	Ethylbenzene	Toluene	Total xylenes	Chlorobenzene	1,4-dichlorobenzene	Naphthalene	Cobalt (mg/L)	Nickel (mg/L)
8/2/1999	3.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA	NA	NA
8/10/2000	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0	5.0	1.0U	1.0U	1.0	1.0	NA	NA	NA
8/8/2001	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA	NA	NA
8/6/2002	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	1.0U	0.00035B	0.001B
Criteria	5.0	5.0	70	100	7.0	1.0	5.0	2.0	1.0	5.0	700	1,000	10,000	1.0	75	---	0.1	---

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 – Not analyzed

Table 4
Analytical Summary, Groundwater Protection Standard Compounds

KBA-11-13A																		
Date	Tetrachloroethene	Trichloroethene	Cis -1,2-dichloroethene	Trans-1,2 dichloroethene	1,1-dichloroethene	1,1-dichloroethane	1,2-dichloroethane	Vinyl Chloride	Chloroethane	Benzene	Ethylbenzene	Toluene	Total xylenes	Chlorobenzene	1,4-dichlorobenzene	Naphthalene	Nickel (mg/L)	Cobalt (mg/L)
8/3/1999	3.0U	**19**	**190**	7.4	1.0U	1.0U	1.0U	**48**	1.0U	1.1I	66	2.7	14.4	**6.2**	4.0	NA	NA	NA
11/9/1999	30U	**15I**	**260**	1.0U	1.0U	1.0U	1.0U	**46**	1.0U	1.0U	65	1.0U	24I	1.0U	1.0U	NA	NA	NA
11/9/1999 (dup)	3.0U	**17**	**210**	6.6	1.0U	1.0U	1.0U	**42**	1.0U	1.3I	92	4.2	49	**8.2**	5.2	NA	NA	NA
2/4/2000	1.0U	**14**	**230**	6.0	1.0U	1.0U	1.0U	**20**	1.0U	2.0	64	2.0	23	**6.0**	4.0	NA	NA	NA
5/3/2000	1.0U	**20**	**180**	6.0	1.0U	1.0U	1.0U	**19**	1.0U	2.0	67	2.0	4.0	**5.0**	3.0	NA	NA	NA
8/10/2000	1.0U	**51**	**300E**	9.0	1.0U	1.0U	1.0U	**17**	1.0U	1.0	71	0.90	0.70	**5.0**	3.0	NA	NA	NA
8/10/2000 (dup)	1.0U	**40**	**190**	7.0	1.0U	1.0U	1.0U	**11**	1.0U	1.0	51	0.70	3.0	**4.0**	2.0	NA	NA	NA
11/8/2000	3.0U	**54**	**160**	7.0	1.0U	1.0U	1.0U	**4.0**	1.0U	1.0	57	1.0U	2.0U	**5.0**	3.0	NA	NA	NA
2/8/2001	0.8	**45**	**110**	8.0	1.0U	1.0U	1.0U	0.9	1.0U	1.0	34	1.0U	3.0U	**3.0**	1.0U	NA	NA	NA
5/3/2001	0.59J	**37**	**88**	6.6	1.0U	1.0U	1.0U	0.9	1.0U	0.33J	20	0.46J	0.33J	**2.4**	1.4	NA	NA	NA
8/8/2001	1.6	**32**	**71**	6.4	0.44J	1.0U	1.0U	1.0U	1.0U	0.43J	22	0.43J	0.56J	**3.1**	1.4	NA	NA	NA
8/8/2001 (dup)	0.77J	**26**	59	5.4	1.0U	1.0U	1.0U	1.0U	1.0U	0.31J	14	0.30J	0.37J	**2.1**	1.4	NA	NA	NA
11/7/2001	0.86J	**24**	52	4.7	1.0U	1.0U	1.0U	1.0U	1.0U	0.36J	16	0.28J	3.0U	**2.6**	2.1B	30	NA	NA
11/7/2001 (dup)	0.66J	**20**	44	4.0	1.0U	1.0U	1.0U	1.0U	1.0U	0.34J	14	0.24J	3.0U	**2.3**	1.7B	29B	NA	NA
2/6/2002	1.6	**21**	43	4.1	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	9.0	1.0U	3.0U	**3.1**	2.0B	38B	NA	NA
2/6/2002 (dup)	1.6	**20**	42	4.2	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	8.5	1.0U	3.0U	**3.0**	1.9B	37B	NA	NA
5/8/2002	**5.0**	**17**	28	3.1	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	6.0	0.37J	3.0U	**2.2**	1.8	29	**0.58**	0.4
5/2/2002 (dup)	3.8	**16**	26	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	5.8	0.34J	3.0U	**1.9**	1.7	25	**0.55**	0.38
8/6/2002	**14**	**16**	25	2.5	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	5.4	1.0U	3.0U	**1.8**	1.7	NA	**0.49**	0.36
8/6/2002 (dup)	**13**	**15**	23	2.5	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	5.1	1.0U	3.0U	**1.6**	1.6	22	**0.45**	0.33
11/6/2002	**20**	**10**	13	1.1	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	5.1	1.0U	3.0U	**1.4**	1.5	31	NA	NA
11/6/2002 (dup)	**26**	**9.6**	12	1.1	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	5.2	1.0U	3.0U	**1.5**	1.5	37	NA	NA
2/5/2003	**23**	**8.8**	12	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.7	1.0U	3.0U	**1.2**	1.0	11	NA	NA
2/5/2003 (dup)	1.2	1.1	1.4	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	1.0U	NA	NA
Criteria	5.0	5.0	70	100	7.0	1.0	5.0	2.0	1.0	5.0	700	1,000	10,000	1.0	75	---	0.1	---

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 – Not analyzed

Table 4
Analytical Summary, Groundwater Protection Standard Compounds

KBA-11-13B																		
Date	Tetrachloroethene	Trichloroethene	Cis -1,2-dichloroethene	Trans-1,2 dichloroethene	1,1-dichloroethene	1,1-dichloroethane	1,2-dichloroethane	Vinyl Chloride	Chloroethane	Benzene	Ethylbenzene	Toluene	Total xylenes	Chlorobenzene	1,4-dichlorobenzene	Napthalene	Cobalt (mg/L)	Nickel (mg/L)
8/3/1999	3.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA	NA	NA
8/8/2000	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA	NA	NA
8/8/2001	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA	NA	NA
8/7/2002	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	1.0U	0.00037B	0.016
Criteria	5.0	5.0	70	100	7.0	1.0	5.0	2.0	1.0	5.0	700	1,000	10,000	1.0	75	---	0.1	---

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 – Not analyzed

Table 4
Analytical Summary, Groundwater Protection Standard Compounds

KBA-11-15																		
Date	Tetrachloroethene	Trichloroethene	Cis -1,2-dichloroethene	Trans-1,2 dichloroethene	1,1-dichloroethene	1,1-dichloroethane	1,2-dichloroethane	Vinyl Chloride	Chloroethane	Benzene	Ethylbenzene	Toluene	Total xylenes	Chlorobenzene	1,4-dichlorobenzene	Napthalene	Cobalt (mg/L)	Nickel (mg/L)
8/3/1999	3.0U	3.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA	NA
2/7/2000	1.0	1.0	1.0U	0.9I	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA	NA
2/7/2000 (dup)	1.0	1.0	1.0U	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA	NA
8/9/2000	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	3.0U	1.0U	1.0U	NA	NA
8/9/2001	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	3.0U	1.0U	1.0U	NA	NA
8/7/2002	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	3.0U	1.0U	1.0U	1.0U	0.000092B
Criteria	5.0	5.0	70	100	7.0	1.0	5.0	2.0	1.0	5.0	700	1,000	10,000	1.0	75	---	0.1	---

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 – Not analyzed

Table 4
Analytical Summary, Groundwater Protection Standard Compounds

KBA-11-16																		
Date	Tetrachloroethene	Trichloroethene	Cis -1,2-dichloroethene	Trans-1,2 dichloroethene	1,1-dichloroethene	1,1-dichloroethane	1,2-dichloroethane	Vinyl Chloride	Chloroethane	Benzene	Ethylbenzene	Toluene	Total xylenes	Chlorobenzene	1,4-dichlorobenzene	Naphthalene	Nickel (mg/L)	Cobalt (mg/L)
11/9/1999	3.0U	1.0U	3.6	1.0U	1.0U	**1.6I**	1.0U	1.4I	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA	NA	NA
2/7/2000	1.0U	1.0U	14	1.0U	1.0U	**5.0**	1.0U	1.0	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA	NA	NA
5/4/2000	1.0U	1.0U	2.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA	NA	NA
5/4/2000 (dup)	1.0U	1.0U	2.0	1.0U	1.0U	0.6U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA	NA	NA
8/9/2000	1.0U	1.0U	2.0	1.0U	1.0U	**2.0**	1.0U	1.0U	1.0U	1.0U	0.8J	1.0U	3.0U	1.0U	1.0U	NA	NA	NA
11/8/2000	2.0	1.0U	8.0	1.0U	1.0U	**2.0**	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	3.0U	1.0U	1.0U	NA	NA	NA
2/6/2001	1.0U	1.0U	34	1.0U	1.0U	**11**	1.0U	**4.0**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA	NA	NA
5/2/2001	1.0U	0.31J	32	1.0U	1.3	**15**	1.0U	**3.4**	1.0U	0.96J	0.99J	5.4	0.86J	1.0U	1.0U	NA	NA	NA
8/9/2001	1.0U	0.42J	30	1.0U	1.8	**26**	1.0U	1.1	1.0U	1.2	1.8	15	1.7J	1.0U	1.0U	NA	NA	NA
11/7/2001	1.0U	0.72J	28	1.0U	1.7	**32**	1.0U	1.1	1.0U	1.2	2.4	26	3.1	1.0U	1.0U	1.0U	NA	NA
2/6/2002	1.0U	1.3	46	1.0U	1.0U	**31**	1.0U	1.0U	1.0U	1.1	3.2	28	5.3	1.0U	1.0U	1.0U	NA	NA
5/7/2002	0.38J	1.4	32	1.0U	2.3	**37**	1.0U	1.0U	1.0U	0.92J	4.2	25	6.4	1.0U	1.0U	1.0U	0.0014J	0.001U
8/7/2002	1.0U	1.0U	24	1.1	1.6	**27**	1.0U	1.0U	1.0U	1.0	2.9	15	5.2	1.0U	1.0U	0.9	0.0027	0.000034B
11/5/2002	1.0U	1.3	33	1.0U	2.5	**50**	1.0U	1.0U	1.0U	1.0U	5.7	29	10.5	1.0U	1.0U	10U	NA	NA
2/5/2003	1.0U	1.0U	28	1.0U	2.5	**46**	1.0U	1.0U	1.0U	1.0U	5.0	25	9.7	1.0U	1.0U	1.0U	NA	NA
Criteria	5.0	5.0	70	100	7.0	1.0	5.0	2.0	1.0	5.0	700	1,000	10,000	1.0	75	---	0.1	---

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 – Not analyzed

Table 4
Analytical Summary, Groundwater Protection Standard Compounds

KBA-11-17B																		
Date	Tetrachloroethene	Trichloroethene	Cis -1,2-dichloroethene	Trans-1,2 dichloroethene	1,1-dichloroethene	1,1-dichloroethane	1,2-dichloroethane	Vinyl Chloride	Chloroethane	Benzene	Ethylbenzene	Toluene	Total xylenes	Chlorobenzene	1,4-dichlorobenzene	Naphthalene	Cobalt (mg/L)	Nickel (mg/L)
8/3/1999	3.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA	NA	NA
8/3/1999	3.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA	NA	NA
8/3/1999	17	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA	NA	NA
2/7/2000	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA	NA	NA
8/9/2000	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA	NA	NA
8/9/2001	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA	NA	NA
8/7/2002	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	10.0U	0.000034	0.00086B
Criteria	5.0	5.0	70	100	7.0	1.0	5.0	2.0	1.0	5.0	700	1,000	10,000	1.0	75	---	0.1	---

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 – Not analyzed

Table 4
Analytical Summary, Groundwater Protection Standard Compounds

KBA-11-34																		
Date	Tetrachloroethene	Trichloroethene	Cis -1,2-dichloroethene	Trans-1,2 dichloroethene	1,1-dichloroethene	1,1-dichloroethane	1,2-dichloroethane	Vinyl Chloride	Chloroethane	Benzene	Ethylbenzene	Toluene	Total xylenes	Chlorobenzene	1,4-dichlorobenzene	Naphthalene	Nickel (mg/L)	Cobalt (mg/L)
8/3/1999	**17**	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA	NA	NA
11/9/1999	**22**	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA	NA	NA
2/7/2000	**83**	2.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA	NA	NA
5/4/2000	**89**	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA	NA	NA
8/9/2000	**63**	0.6J	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA	NA	NA
11/8/2000	**79**	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA	NA	NA
2/8/2001	**73**	2.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA	NA	NA
5/3/2001	**62**	2.6	0.27J	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	0.13J	0.24J	0.17J	1.0U	0.41J	NA	NA	NA
8/9/2001	**35**	3.0	2.8	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	0.56J	NA	NA	NA
11/7/2001	**97**	1.7	1.5	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	0.47JB	4.0 JB	NA	NA
2/6/2002	**61**	0.63J	0.54J	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	0.34JB	1.0U	NA	NA
5/8/2002	**75**	2.2	5.0	0.37J	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	0.39J	0.094J	**0.15**	0.28
8/8/2002	**100**	**15**	7.9	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	1.0U	0.073	0.077
11/5/2002	**110**	**7.6**	3.1	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	10U	NA	NA
2/5/2003	**69**	**5.2**	1.5	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	10U	NA	NA
Criteria	5.0	5.0	70	100	7.0	1.0	5.0	2.0	1.0	5.0	700	1,000	10,000	1.0	75	---	0.1	---

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 – Not analyzed

Table 4
Analytical Summary, Groundwater Protection Standard Compounds

KBA-11-37																		
Date	Tetrachloroethene	Trichloroethene	Cis -1,2-dichloroethene	Trans-1,2 dichloroethene	1,1-dichloroethene	1,1-dichloroethane	1,2-dichloroethane	Vinyl Chloride	Chloroethane	Benzene	Ethylbenzene	Toluene	Total xylenes	Chlorobenzene	1,4-dichlorobenzene	Naphthalene	Nickel (mg/L)	Cobalt (mg/L)
8/16/1999	3.0U	1.0U	24	1.0U	1.0U	1.0U	1.0U	**2.5I**	1.0U	2.1	15	1.0U	3.0U	**2.9**	3.6	NA	NA	NA
11/9/1999	3.0U	1.0U	17	1.0U	1.0U	1.0U	1.0U	1.4I	1.0U	2.0	14	1.0U	3.0U	**3.1**	4.7	NA	NA	NA
2/8/2000	1.0U	1.0U	16	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	2.0	9.0	1.0	3.0U	**2.0**	3.0	NA	NA	NA
5/4/2000	1.0U	1.0U	17	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	2.0	1.0U	1.0U	12	**3.0**	3.0	NA	NA	NA
8/9/2000	1.0U	1.0U	14	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	2.0	7.0	1.0U	3.0	**2.0**	3.0	NA	NA	NA
11/8/2000	1.0U	1.0U	11	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	2.0	10	1.0U	2.0U	**3.0**	4.0	NA	NA	NA
11/8/2000 (dup)	1.0U	1.0U	11	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	2.0	11	1.0U	2.0U	**3.0**	3.0	NA	NA	NA
2/7/2001	1.0U	1.0U	13	1.0U	1.0U	1.0U	1.0U	0.6J	1.0U	2.0	13	1.0U	3.0U	**2.0**	1.0U	NA	NA	NA
5/2/2001	1.0U	1.0U	13	1.0U	1.0U	1.0U	1.0U	0.6J	1.0U	1.3	10	0.41J	0.18J	**2.1**	2.6	NA	NA	NA
8/8/2001	1.0U	1.0U	12	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.3	13	0.22J	3.0U	**2.8**	3.1	NA	NA	NA
11/7/2001	1.0U	1.0U	6.9	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.1	8.2	1.0U	3.0U	**3.8**	2.4B	25	NA	NA
2/6/2002	1.0U	1.0U	6.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	0.85J	6.4	1.0U	3.0U	**4.6**	2.4B	17B	NA	NA
5/7/2002	1.0U	1.0U	5.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	0.79J	5.4	1.0U	3.0U	**5.6**	2.4	12	0.0014	0.001U
8/8/2002	1.0U	1.0U	4.6	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	4.2	1.0U	3.0U	**5.5**	2.4	13	0.0021	0.00003U
11/5/2002	1.0U	1.0U	4.4	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	4.4	1.0U	3.0U	**6.4**	3.3	30	NA	NA
2/5/2003	1.0U	1.0U	2.4	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	2.3	1.0U	3.0U	**5.5**	4.3	25	NA	NA
Criteria	5.0	5.0	70	100	7.0	1.0	5.0	2.0	1.0	5.0	700	1,000	10,000	1.0	75	---	0.1	---

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 – Not analyzed

Table 4
Analytical Summary, Groundwater Protection Standard Compounds

PS-2																		
Date	Tetrachloroethene	Trichloroethene	Cis -1,2-dichloroethene	Trans-1,2 dichloroethene	1,1-dichloroethene	1,1-dichloroethane	1,2-dichloroethane	Vinyl Chloride	Chloroethane	Benzene	Ethylbenzene	Toluene	Total xylenes	Chlorobenzene	1,4-dichlorobenzene	Naphthalene	Nickel (mg/L)	Cobalt (mg/L)
8/18/1999	3.0U	1.3I	41	1.0U	1.0U	**5.6**	1.0U	**3.2I**	1.0U	**9.1**	10	43	29	1.0U	1.0U	NA	NA	NA
11/9/1999	3.0U	1.4I	40	1.0U	1.0U	**5.1**	1.0U	**2.9**	1.0U	**9.4**	16	57	47	1.0U	1.0U	NA	NA	NA
2/7/2000	1.0U	2.0	52	1.0U	1.0U	**5.0**	1.0U	**2.0**	1.0U	**8.0**	14	37	40	1.0U	1.0U	NA	NA	NA
5/3/2000	1.0U	2.0	57	0.5	1.0U	**5.0**	1.0U	1.0U	1.0U	**8.0**	16	19	41	0.7	1.0U	NA	NA	NA
8/8/2000	1.0U	2.0	58	1.0U	1.0U	**4.0**	1.0U	**2.0**	1.0U	**6.0**	14	8.0	19	0.5	1.0U	NA	NA	NA
11/8/2000	3.0U	2.0	61	1.0U	1.0U	**4.0**	1.0U	**3.0**	1.0U	**5.0**	18	5.0	7.0	**1.0**	1.0U	NA	NA	NA
2/7/2001	1.0U	2.0	**71**	0.6J	1.0U	**4.0**	1.0U	**3.0**	1.0U	4.0	18	3.0	4.0	0.5J	1.0U	NA	NA	NA
5/2/2001	0.14J	1.9	**79**	0.60J	1.0U	**4.1**	1.0U	**2.4**	1.0U	3.7	22	2.9	3.6	0.59J	1.0U	NA	NA	NA
8/9/2001	1.0U	2.0	**99**	0.80J	1.0U	**4.2**	1.0U	**2.4**	1.0U	3.4	22	2.7	3.5	0.92J	1.0U	NA	NA	NA
11/7/2001	1.0U	2.0	**110**	0.84J	1.0U	**4.1**	1.0U	**3.0**	1.0U	2.7	20	1.9	2.4J	**1.2**	1.0	3.7JB	NA	NA
2/6/2002	1.0U	1.7	**110**	0.73J	1.0U	**3.4**	1.0U	**2.7**	1.0U	2.1	14	1.5	1.9J	**1.6**	1.0U	1.0U	NA	NA
5/6/2002	1.0U	1.6	**120**	0.80J	1.0U	**3.6**	0.85J	**3.0**	**2.3**	2.0	13	1.7	1.4J	**1.8**	1.0U	0.061J	0.00043	0.001U
8/6/2002	1.0U	1.5	**110**	1.0U	1.0U	**2.8**	1.0U	**2.3**	1.0U	1.7	12	1.3	3.0U	**2.2**	1.0U	1.0U	0.00053B	0.00003
11/5/2002	1.0U	1.3	**120**	1.0U	1.0U	**2.9**	1.0U	**3.2**	1.0U	1.6	11	1.2	3.0U	**1.6**	1.0U	10U	NA	NA
2/5/2003	1.0U	1.3	**100**	1.0U	1.0U	**2.3**	1.0U	**2.9**	1.0U	1.4	9.1	1.0U	3.0U	**1.5**	1.0U	10U	NA	NA
Criteria	5.0	5.0	70	100	7.0	1.0	5.0	2.0	1.0	5.0	700	1,000	10,000	1.0	75	---	0.1	---

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 – Not analyzed

Table 5
Analytical Summary, Subdivision Irrigation Wells

108 Cottage Court

Date	Tetrachloroethene	Trichloroethene	Cis -1,2-dichloroethene	Trans-1,2 dichloroethene	1,1-dichloroethene	1,1-dichloroethane	1,2-dichloroethane	Vinyl Chloride	Chloroethane	Benzene	Ethylbenzene	Toluene	Total xylenes	Chlorobenzene	1,4-dichlorobenzene	Naphthalene
March-00	1.0U	1.0U	7.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
April-00	1.0U	1.0U	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
May-00	1.0U	1.0U	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
June-00	1.0U	1.0U	4.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
July-00	1.0U	1.0U	4.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
August-00	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
September-00	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
October-00	1.0U	1.0U	2.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
November-00	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
December-00	1.0U	1.0U	0.7J	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
April-01	1.0U	1.0U	3.1	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	7.0U	1.0U	1.0U	NA
May-01	1.0U	1.0U	6.8	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
June-01	1.0U	1.0U	3.8	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
July-01	1.0U	1.0U	10	1.0U	1.0U	1.0U	0.32J	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
September-01	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
October-01	1.0U	1.0U	2.2	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
November-01	1.0U	1.0U	1.3	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
December-01	1.0U	1.0U	0.37	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	1.0U
January-02	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	0.34	3.1
February-02	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	10U
April-02	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	10U
May-02	1.0U	1.0U	3.2	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	1.0U
June-02	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	1.0U
July-02	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	10U
													3.0U	1.0U	1.0U	10U

Table 5
Analytical Summary, Subdivision Irrigation Wells

108 Cottage Court

Date	Tetrachloroethene	Trichloroethene	Cis -1,2-dichloroethene	Trans-1,2 dichloroethene	1,1-dichloroethene	1,1-dichloroethane	1,2-dichloroethane	Vinyl Chloride	Chloroethane	Benzene	Ethylbenzene	Toluene	Total xylenes	Chlorobenzene	1,4-dichlorobenzene	Naphthalene
August-02	1.0U	1.0U	4.2	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	10U
Criteria	5.0	5.0	70	100	7.0	1.0	5.0	2.0	1.0	5.0	700	1,000	10,000	1.0	75	20

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 – Not analyzed

Table 5
Analytical Summary, Subdivision Irrigation Wells

122 Plantation Court

Date	Tetrachloroethene	Trichloroethene	Cis -1,2-dichloroethene	Trans-1,2 dichloroethene	1,1-dichloroethene	1,1-dichloroethane	1,2-dichloroethane	Vinyl Chloride	Chloroethane	Benzene	Ethylbenzene	Toluene	Total xylenes	Chlorobenzene	1,4-dichlorobenzene	Naphthalene
January-00	1.0U	1.0U	2.0	1.0U	1.0U	1.0U	1.0U	**5.0**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
February-00	1.0U	1.0U	2.0	1.0U	1.0U	1.0U	1.0U	**8.0**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
March-00	1.0U	1.0U	2.0	1.0U	1.0U	1.0U	1.0U	**8.0**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
April-00	1.0U	1.0U	2.0	1.0U	1.0U	1.0U	1.0U	**6.0**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
May-00	1.0U	1.0U	3.0	1.0U	1.0U	1.0U	1.0U	**8.0**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
June-00	1.0U	1.0U	2.0	1.0U	1.0U	1.0U	1.0U	**7.0**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
July-00	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
August-00	1.0U	2.0	2.0	1.0U	1.0U	1.0U	1.0U	**5.0**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
September-00	1.0U	1.0U	3.0	1.0U	1.0U	1.0U	1.0U	**5.0**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
October-00	1.0U	0.9J	2.0	1.0U	1.0U	1.0U	1.0U	**5.0**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
November-00	1.0U	0.93	2.0	1.0U	1.0U	1.0U	1.0U	**5.0**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
December-00	1.0U	2.0	1.0	1.0	1.0U	1.0U	1.0U	**4.0**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
January-01	1.0U	1.0U	2.0	1.0U	1.0U	1.0U	1.0U	**7.0**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
February-01	1.0U	1.0U	1.0	1.0U	1.0U	1.0U	1.0U	**4.0**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
February-01 (dup)	1.0U	1.0U	2.0	1.0U	1.0U	1.0U	1.0U	**6.0**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
March-01	1.0U	1.0U	1.0	1.0U	1.0U	1.0U	1.0U	**4.0E**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
March-01 (dup)	1.0U	1.0U	1.0	1.0U	1.0U	1.0U	1.0U	**4.0E**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
April-01	1.0U	1.0U	1.0	1.0U	1.0U	1.0U	1.0U	**5.0**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
April-01 (dup)	1.0U	1.0U	1.0	1.0U	1.0U	1.0U	1.0U	**5.0**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
May-01	1.0U	1.0U	0.1	1.0U	1.0U	1.0U	1.0U	**4.5**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
May-01 (dup)	1.0U	1.0U	0.94J	1.0U	1.0U	1.0U	1.0U	**3.4**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
June-01	1.0U	1.0U	1.2	1.0U	1.0U	1.0U	1.0U	**4.8**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	0.23J	NA
June-01 (dup)	1.0U	1.0U	0.95	1.0U	1.0U	1.0U	1.0U	**4.8**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	0.21J	NA
July-01	1.0U	1.0U	1.0	1.0U	1.0U	1.0U	1.0U	**4.6**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	0.26J	NA
July-01 (dup)	1.0U	1.0U	1.0	1.0U	1.0U	1.0U	1.0U	**4.6**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	0.27J	NA
August-01	1.0U	1.0U	1.1	1.0U	1.0U	1.0U	1.0U	**4.7**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	0.2	NA

Table 5
Analytical Summary, Subdivision Irrigation Wells

122 Plantation Court																
Date	Tetrachloroethene	Trichloroethene	Cis -1,2-dichloroethene	Trans-1,2 dichloroethene	1,1-dichloroethene	1,1-dichloroethane	1,2-dichloroethane	Vinyl Chloride	Chloroethane	Benzene	Ethylbenzene	Toluene	Total xylenes	Chlorobenzene	1,4-dichlorobenzene	Naphthalene
August-01 (dup)	1.0U	1.0U	1.2	1.0U	1.0U	1.0U	1.0U	**4.7**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	0.2	NA
September-01	1.0U	1.0U	1.2	1.0U	1.0U	1.0U	0.32J	**5.1**	1.0U	1.0U	1.0U	1.0U	0.24J	1.0U	0.31J	NA
September-01 (dup)	1.0U	1.0U	1.2	1.0U	1.0U	1.0U	1.0U	**5.1**	1.0U	1.0U	1.0U	1.0U	0.21J	1.0U	0.30J	NA
October-01	1.0U	1.0U	1.0	1.0U	1.0U	1.0U	1.0U	**5.6**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	0.26J	NA
October-01 (dup)	1.0U	1.0U	1.1	1.0U	1.0U	1.0U	1.0U	**5.9**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	0.27J	NA
November-01	1.0U	1.0U	1.0	1.0U	1.0U	1.0U	1.0U	**6.4**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	0.29J	1.0U
November-01 (dup)	1.0U	1.0U	1.0	1.0U	1.0U	1.0U	1.0U	**6.4**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	0.26J	1.0U
December-01	1.0U	1.0U	1.2	1.0U	1.0U	1.0U	1.0U	**5.8**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	10.0
December-01 (dup)	1.0U	1.0U	1.2	1.0U	1.0U	1.0U	1.0U	**5.8**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	0.38J	10.0
January-02	1.0U	1.0U	1.1	1.0U	1.0U	1.0U	1.0U	**7.4**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	0.6	10U
January-02 (dup)	1.0U	1.0U	1.1	1.0U	1.0U	1.0U	1.0U	**7.0**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	0.5	10U
February-02	1.0U	1.0U	1.1	1.0U	1.0U	1.0U	1.0U	**6.9**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	0.34J	10U
February-02 (dup)	1.0U	1.0U	1.1	1.0U	1.0U	1.0U	1.0U	**6.8**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	0.34JB	10U
March-02	1.0U	1.0U	1.0	1.0U	1.0U	1.0U	1.0U	**6.3**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	0.40J	10U
March-02 (dup)	1.0U	1.0U	1.0	1.0U	1.0U	1.0U	0.66J	**5.8**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	0.42J	10U
April-02	1.0U	1.0U	0.95J	1.0U	1.0U	1.0U	1.0U	**5.4**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	0.50J	3.1JB
April-02 (dup)	1.0U	1.0U	0.79J	1.0U	1.0U	1.0U	1.0U	**4.7**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	0.48J	10U
June-02	1.0U	1.0U	0.60J	1.0U	1.0U	1.0U	0.38J	**4.0**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	1.0U
June-02 (dup)	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	0.6	**3.9**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	10.0U
July-02	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	**4.1**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	10.U
July-02 (dup)	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	**4.6**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	10.0U
August-02	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	**4.1**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	10.0U
August-02 (dup)	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	**4.3**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	10.0U
September-02	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	**4.3**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	10.0U
September-02 (dup)	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	**2.7**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	10.0U
October-02	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	**5.3**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	10.0U

Table 5
Analytical Summary, Subdivision Irrigation Wells

122 Plantation Court

Date	Tetrachloroethene	Trichloroethene	Cis -1,2-dichloroethene	Trans-1,2 dichloroethene	1,1-dichloroethene	1,1-dichloroethane	1,2-dichloroethane	Vinyl Chloride	Chloroethane	Benzene	Ethylbenzene	Toluene	Total xylenes	Chlorobenzene	1,4-dichlorobenzene	Naphthalene
October-02 (dup)	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	**5.1**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	10.0U
November-02	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	**4.7**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	10.0U
December-02	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.7	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	1.0U
December-02 (Dup)	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	**2.3**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	1.0U
January-03	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	**2.0**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	1.0U
January-03 (dup)	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	**2.1**	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	1.0U
February-03	3.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	2.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	2.0U
February-03(Dup)	3.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.2	2.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	2.0U
March-03	3.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	2.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	2.0U
March-03 (Dup)	3.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	2.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	2.0U
Criteria	5.0	5.0	70	100	7.0	1.0	5.0	2.0	1.0	5.0	700	1,000	10,000	1.0	75	20

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 – Not analyzed

Table 5
Analytical Summary, Subdivision Irrigation Wells

102 Plantation Court

Date	Tetrachloroethene	Trichloroethene	Cis -1,2-dichloroethene	Trans-1,2 dichloroethene	1,1-dichloroethene	1,1-dichloroethane	1,2-dichloroethane	Vinyl Chloride	Chloroethane	Benzene	Ethylbenzene	Toluene	Total xylenes	Chlorobenzene	1,4-dichlorobenzene	Naphthalene
January-00	1.0U	**28**	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	NA
February-00	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	3.0U	NA
March-00	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	3.0U	NA
April-00	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	3.0U	NA
May-00	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	3.0U	NA
June-00	1.0U	1.OU	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	NA
July-00	1.0U	**8.0**	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	NA
August-00	1.0U	**37**	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	NA
September-00	1.0U	**150**	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	3.0U	NA
October-00	1.0U	**4**	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	3.0U	NA
November-00	1.0U	**8**	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	3.3J
December-00	1.0U	**17**	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	3.0U	10
January-01	1.0U	**86**	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
February-01	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
March-01	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
April-01	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	0.10J	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
May-01	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	0.10J	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
June-01	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
July-01	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
August-01	1.0U	**9.9**	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
August-01(dup)	1.6	**32**	**71**	6.4	0.44J	1.0U	1.0U	1.0U	0.43J	**22**	0.43J	0.56J	3.1	**1.4**	NA	NA
September-01	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
October-01	1.0U	0.027J	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	NA
November-01	1.0U	0.53J	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	3.3J
December-01	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	10

Table 5
Analytical Summary, Subdivision Irrigation Wells

102 Plantation Court

Date	Tetrachloroethene	Trichloroethene	Cis -1,2-dichloroethene	Trans-1,2 dichloroethene	1,1-dichloroethene	1,1-dichloroethane	1,2-dichloroethane	Vinyl Chloride	Chloroethane	Benzene	Ethylbenzene	Toluene	Total xylenes	Chlorobenzene	1,4-dichlorobenzene	Naphthalene
March-02	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	1.0U
April-02	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	1.0U
May-02	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	1.0U
June-02	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	1.0U
July-02	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	10.0U
August-02	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	10.0U
September-02	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	10.0U
October-02	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	10.0U
November-02	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	10.0U
December-02	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	10.0U
January-03	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	10.0U
February-03	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	2.0U	1.0U	1.0U	1.0U	3.0U	1.0U	1.0U	2.0U
Criteria	5.0	5.0	70	100	7.0	1.0	5.0	2.0	1.0	5.0	700	1,000	10,000	1.0	75	20

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 – Not analyzed

SAMPLING STATION

Well #	Station Type
KBA-11-16	MONITORING WELL

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By
	WATER	GRAB		2-5-03	0810	TB/J.D.

Instruments	Manufacturer/Mode	Serial No.	Date of Cal.	Calib.Due	Reference
pH/Eh	HORIBA U22	035DS	1-30-03	CALIB DAILY	AUTO SOLUTIO
Conductivity/Temp					
Dissolved Oxygen					
Turbidity					
Redox					

GROUND LEVEL DATA (before purging)

Well Variables

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

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

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

WELL PURGE INFORMATION

PURGE EQUIPMENT:				S/N:		PURGE METHOD:				Pump Type:	
Proq Cyc	Date	Time	Temp (C)	pH	Cond.	Units	Turb.	Units	D.O.	Units	Redox
2 GAL	2-5-03	0813	20.6c	5.03	.314	S/cm	-1.3	NTU	5.18	G/L	-46
4 GAL	2-5-03	0824	21.7c	5.23	.292	S/cm	4.4	NTU	4.42	G/L	-152
6 GAL	2-5-03	0836	21.4c	5.26	.290	S/cm	66.2	NTU	5.92	G/L	-164
8 GAL.	2-5-03	0847	20.8c	5.22	.326	S/cm	4.5	NTU	4.92	G/L	-199

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

Recorded by:	Date:	Reviewed by:	Date:
T. Bryant	2-5-03		

Time - 0850

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA-11-16	2-4-03	0840	3.84'	44.48'	0.2 ppm
	2-4-03	0925	3.83'		

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA-11-16	2-4-03	0840	58°F	82%	29.85	CLOUDY
KBA-11-16	2.4.03	0925	59°F	77%	29.85	CLOUDY

SAMPLING STATION

Well #	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

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

GROUND LEVEL DATA (before purging)

Well Variables

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

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

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

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	PURGE METHOD:	Pump Type:

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

Well purged to dryness: [ ] Yes [ ] No

Recorded by:	Date:	Reviewed by:	Date:

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA-11-17B	2-4-03	0830	2.64'	44.42'	0.0 ppm
	2-4-03	0920	2.64'		

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA-11-17B	2-4-03	0830	58°F	82%	29.85	CLOUDY
KBA-11-17B	2-4-03	0920	59°F	80%	29.85	CLOUDY

SAMPLING STATION

Well #	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

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

GROUND LEVEL DATA (before purging)

Well Variables

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

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

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

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	PURGE METHOD:	Pump Type:

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

Well purged to dryness: [ ] Yes [ ] No

Recorded by:	Date:	Reviewed by:	Date:

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA-11-18	2-4-02	0825	1.90'	45.54'	0.0 ppm
KBA-11-18	2-4-02	0915	1.90'		

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA-11-18	2-4-02	0825	57°F	83%	29.85	CLOUDY
KBA-11-18	2-4-02	0910	59°F	81%	29.85	CLOUDY

SAMPLING STATION

Well #	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

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

GROUND LEVEL DATA (before purging)

Well Variables

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

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

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

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	PURGE METHOD:	Pump Type:

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

Well purged to dryness: [ ] Yes [ ] No

Recorded by:	Date:	Reviewed by:	Date:

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA-11-20	2-4-03	0805	1.77'	39.86'	0.0 ppm
	2-4-03	0907	1.77'		

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA-11-20	2-4-03	0805	56°F	84%	29.85	CLOUDY
KBA-11-20	2-4-03	0907	59°F	85%	29.85	CLOUDY

SAMPLING STATION

Well #	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

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

GROUND LEVEL DATA (before purging)

Well Variables

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

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

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

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	PURGE METHOD:	Pump Type:

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

Well purged to dryness: [ ] Yes [ ] No

Recorded by:	Date:	Reviewed by:	Date:

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA-11-21	2-4-03	0755	2.12'	40.29'	0.0 ppm
		0901	2.12'		

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA-11-21	2-4-03	0755	55 °F	84%	29.85	BREEZY CLOUDY
KBA-11-21	2-4-03	0901	59 °F	83%	29.85	CLOUDY

SAMPLING STATION

Well #	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

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

GROUND LEVEL DATA (before purging)

Well Variables

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

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

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

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	PURGE METHOD:	Pump Type:

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

Well purged to dryness: [ ] Yes [ ] No

Recorded by:	Date:	Reviewed by:	Date:

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA-11-22B	2-4-03	1040	9.02'	52.29'	0.0 ppm
KBA-11-22B ~~KBBA~~	2-4-03	1310	9.01'		

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA-11-22B	2-4-03	1040	60°F	70%	29.85	RAIN CLOUDY
KBA-11-22B	2-4-03	1310	64°F	66%	29.80	CLOUDY

SAMPLING STATION

Well #	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

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

GROUND LEVEL DATA (before purging)

Well Variables

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

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

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

WELL PURGE INFORMATION

PURGE EQUIPMENT:				S/N:		PURGE METHOD:				Pump Type:	
Proq Cyc	Date	Time	Temp (C)	pH	Cond.	Units	Turb.	Units	D.O.	Units	Redox

Well purged to dryness: [ ] Yes [ ] No

Recorded by:	Date:	Reviewed by:	Date:

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA-11-02	2-4-03	1102	7.64'	10.90'	0.0
	2-4-03	1320	7.65'		

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA-11-02	2-4-03	1102	60°F	70%	29.85	CLOUDY
KBA-11-02	2-4-03	1320	65°F	66%	29.80	CLOUDY

SAMPLING STATION

Well #	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

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

GROUND LEVEL DATA (before purging)

Well Variables

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

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

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

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	PURGE METHOD:	Pump Type:

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

Well purged to dryness: [ ] Yes [ ] No

Recorded by:	Date:	Reviewed by:	Date:

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VA
KBA-11-3B	2-4-03	1018	7.49'	47.51'	0.0 ppm
	2-4-03	1305	7.48'		

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA-11-3B	2-4-03	1018	59°F	77%	29.85	RAIN CLOUDY
KBA-11-3B	2-4-03	1305	63°F	69%	29.83	CLOUDY

SAMPLING STATION

Well #	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

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

GROUND LEVEL DATA (before purging)

Well Variables

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

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

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

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	PURGE METHOD:	Pump Type:

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

Well purged to dryness: [ ] Yes [ ] No

Recorded by:	Date:	Reviewed by:	Date:

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA-11-8 B	2-4-03	0945	10.82'	43.50'	0.0 ppm
	2-4-03	1255	10.81'		

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA-11-8B	2-4-03	0945	59°F	73%	29.85	CLOUDY
KBA-11-8 B	2-4-03	1255	62°F	66%	29.83	CLOUDY

SAMPLING STATION

Well #	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

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

GROUND LEVEL DATA (before purging)

Well Variables

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

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

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

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	PURGE METHOD:	Pump Type:

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

Well purged to dryness: [ ] Yes [ ] No

Recorded by:	Date:	Reviewed by:	Date:

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA-11-10B	2-4-03	1110	10.91'	51.34'	0.0 PPM
	2-4-03	1325	10.90'		

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA-11-10B	2-4-03	1110	60°F	71%	29.85	CLOUDY
KBA-11-10B	2-4-03	1325	66°F	56%	29.80	CLOUDY

SAMPLING STATION

Well #	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

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

GROUND LEVEL DATA (before purging)

Well Variables

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

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

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

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	PURGE METHOD:	Pump Type:

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

Well purged to dryness: [ ] Yes [ ] No

Recorded by:	Date:	Reviewed by:	Date:

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA-11-11A	2-4-03	0955	8.25'	36.85'	0.0 ppm
	2-4-03	1300	8.25'		

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA-11-11A	2-4-03	0955	59°F	75%	29.83	CLOUDY
KBA-11-11A	2-4-03	1300	62°F	66%	29.83	CLOUDY

SAMPLING STATION

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

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By
KBA-11-13A-FEB-5-03	WATER	GRAB				

Instruments	Manufacturer/Mode	Serial No.	Date of Cal.	Calib.Due	Reference
pH/Eh	HORIBA U22	03505	1-30-03		
Conductivity/Temp					
Dissolved Oxygen					
Turbidity					
Redox					

GROUND LEVEL DATA (before purging)

Well Variables

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

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

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

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	PURGE METHOD:	Pump Type:

Proq Cyc	Date	Time	Temp (C)	pH	Cond.	Units	Turb.	Units	D.O.	Units	Redox
2 GAL.	2-5-03	1316	21.9°c	4.41	.693	S/cm	1.6	NTU	10.59	G/L	-73 mv
4 GAL.	2-5-03	1326	22°c	4.36	.982	S/cm	-5.4	NTU	9.93	G/L	-71 mv
6 GAL.	2-5-03	1336	22.1°c	4.38	1.06	S/cm	4.9	NTU	8.18	G/L	-79 mv
8-GAL.	2-5-03	1347	22.2°c	4.34	1.21	S/cm	7.3	NTU	3.41	G/L	-62 mv

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

Recorded by:	Date:	Reviewed by:	Date:
T. Bryant	2-5-03		

F.B. - 1315
R.B. - 1350
REG - 1355
DUP - 1400
MS/MSD - 1405

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA-11-13A	2-4-03	1145	8.04'	42.24'	0.0 ppm
KBA-11-13A	2-4-03	1340	8.05'		

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA-11-13A	2-4-03	1145	60°F	72%	29.85	CLOUDY
KBA-11-13A	2-4-03	1340	67°F	57%	29.80	CLOUDY

SAMPLING STATION

Well #	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

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

GROUND LEVEL DATA (before purging)

Well Variables

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

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

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

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	PURGE METHOD:	Pump Type:

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

Well purged to dryness: [ ] Yes [ ] No

Recorded by:	Date:	Reviewed by:	Date:

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA-11-13B	2-4-03	1135	12.23'	90.47'	0.0 ppm
KBA-11-13B	2-4-03	1335	12.24'		

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA-11-13B	2-4-03	1135	60°F	76%	29.85	CLOUDY
KBA-11-13B	2-4-03	1335	66°F	59%	29.80	CLOUDY

SAMPLING STATION

Well #	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

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

GROUND LEVEL DATA (before purging)

Well Variables

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

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

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

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	PURGE METHOD:	Pump Type:

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

Well purged to dryness: [ ] Yes [ ] No

Recorded by:	Date:	Reviewed by:	Date:

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA-11-15	2-4-03	0730	3.24'	38.92'	0.0 ppm
		0850	3.24'		

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA-11-15	2-4-03	0730	55°F	66%	29.83	CLOUDY
KBA-11-15	2-4-03	0850	58°F	82%	29.85	CLOUDY

SAMPLING STATION

Well #	Station Type
KBA-11-34	MONITORING WELL

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By
KA-11-34-FEB-5-03	WATER	GRAB		2-5-03	1105	TB/J.D.

Instruments	Manufacturer/Mode	Serial No.	Date of Cal.	Calib.Due	Reference
pH/Eh	HORIBA U22	03505	1-30-03	CALIB. DAILY	AUTO-CAL SOLUTI
Conductivity/Temp					
Dissolved Oxygen					
Turbidity					
Redox					

GROUND LEVEL DATA (before purging)

Well Variables

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

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

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

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	PURGE METHOD:	Pump Type:

Proq Cyc	Date	Time	Temp (C)	pH	Cond.	Units	Turb.	Units	D.O.	Units	Redox
2 GAL.	2-5-03	1114	23.7°c	4.08	.598	S/cm	42.4	NTU	6.8	G/L	-84 m
4 GAL.	2-5-03	1124	24°c	4.02	.639	S/cm	45.8	NTU	3.68	G/L	720 m
6 GAL.	2-5-03	1135	24.4	4.0	.716	S/cm	108.1	NTU	2.28	G/L	753 m
8 GAL.	2-5-03	1146	24.3°c	3.94	.783	S/cm	86.1	NTU	2.64	G/L	761 m

Well purged to dryness: [ ] Yes [4 No

Recorded by: T. Bryant	Date: 2-5-03	Reviewed by:	Date:

1150

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA-11-34	2-4-03	1120	10.79'	40.74'	0.0 PPM
	2-4-03	1330	10.79'		

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA-11-34	2-4-03	1120	60°F	75%	29.85	CLOUDY
KBA-11-34	2-4-03	1330	66°F	55%	29.80	CLOUDY

SAMPLING STATION

Well # KBA-11-37	Station Type MONITORING WELL

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By
KBA-11-37-FEB-5-03	WATER	GRAB		2-5-03	0900	TB/J.O.

Instruments	Manufacturer/Mode	Serial No.	Date of Cal.	Calib.Due	Reference
pH/Eh	HORIBA U22	035005	1-30-03	DAILY	AUTO-CAL. SOLUT ~~Sol~~
Conductivity/Temp					
Dissolved Oxygen					
Turbidity					
Redox					

GROUND LEVEL DATA (before purging)

Well Variables

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

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

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

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	PURGE METHOD:	Pump Type:

Proq Cyc	Date	Time	Temp (C)	pH	Cond.	Units	Turb.	Units	D.O.	Units	Redox
2 GAL.	2-5-03	0912	20.4°c	5.83	.276	S/cm	3.7	NTU	3.40	G/L	-154
4 GAL	2-5-03	0924	20.9°c	5.93	.295	S/cm	-2.2	NTU	2.31	G/L	-154
6 GAL.	2-5-03	0936	20.9°c	5.86.	.312	S/cm	2.4	NTU	3.04	G/L	-151
8 GAL.	2-5-03	0946	21.1°c	5.94	.310	S/cm	2.5	NTU	5.09	G/L	-148

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

Recorded by: T. Bryant	Date: 2-5-03	Reviewed by:	Date:

Time: 0950

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA-11-37	2-4-03	0815	2.23'	38.22'	0.0 PPm
	2-4-03	0910	2.23'		

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA-11-37	2-4-03	0815	56°F	82%	29.85	CLOUDY
KBA-11-37	2-4-03	0910	59°F	82%	29.85	CLOUDY

SAMPLING STATION

Well #	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

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

GROUND LEVEL DATA (before purging)

Well Variables

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

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

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

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	PURGE METHOD:	Pump Type:

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

Well purged to dryness: [ ] Yes [ ] No

Recorded by:	Date:	Reviewed by:	Date:

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA-11-36	2-4-03	1128	11.41'	41.34'	0.0 ppm
	2-4-03	1332	11.41'		

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA-11-36	2-4-03	1128	60°F	76%	29.85	CLOUDY
KBA-11-36	2-4-03	1332	66°F	55%	29.80	CLOUDY

SAMPLING STATION

Well #	Station Type
KBA-11-PS 2	MONITORING WELL

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By
	WATER	GRAB				

Instruments	Manufacturer/Mode	Serial No.	Date of Cal.	Calib.Due	Reference
pH/Eh	HORIBA U22	03505	1-30-03		
Conductivity/Temp					
Dissolved Oxygen					
Turbidity					
Redox					

GROUND LEVEL DATA (before purging)

Well Variables

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

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

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

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	PURGE METHOD:	Pump Type:

Proq Cyc	Date	Time	Temp (C)	pH	Cond.	Units	Turb.	Units	D.O.	Units	Redox
2 GAL.	2-5-03	1020	19.7°c	5.54	.312	S/cm	4.1	NTU	4.91	G/L	-130m
4 GAL.	2-5-03	1030	20.3°c	5.43	.324	S/cm	3.9	NTU	4.95	G/L	-146m
6 GAL	2-5-03	1040	20.3	5.40	.302	S/cm	337.2		1.97		-158
8 GAL	2-5-03	1052	20.4°c	5.48	.325		61.4		2.10		-160

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

Recorded by:	Date:	Reviewed by:	Date:
Tommy Bryant	2-5-03		

1055

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA-11-PS 2	2-4-03	1050	6.65'	37.23'	0.0 ppm
	2-4-03	1315	6.65'		

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA-11-PS 2	2-4-03	1050	60°F	70%	29.85	CLOUDY
KBA-11-PS 2	2-4-03	1315	64°F	64%	29.80	CLOUDY

SAMPLING STATION

Well #	Station Type

SAMPLE

Sample ID	Sample Matrix	Sample Type	Collection Method	Date	Time	By

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

GROUND LEVEL DATA (before purging)

Well Variables

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

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

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

WELL PURGE INFORMATION

PURGE EQUIPMENT:	S/N:	PURGE METHOD:	Pump Type:

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

Well purged to dryness: [ ] Yes [ ] No

Recorded by:	Date:	Reviewed by:	Date:

WELL MEASUREMENTS

WELL NUMBER ID	DATE	TIME	MEASURE TO WATER	MEASURE TO BOTTOM	PHOTO VAC
KBA-PS-9	2-4-03	0742	3.17'	34.12	0.0 ppm
		0855	3.18'		

WEATHER CONDITIONS

WELL NUMBER ID	DATE	TIME	TEMPERATURE	HUMIDITY	BAR. PRESSEVE	SKY CONDITIONS
KBA-11-PS9	2-4-03	0742	55 °F	77%	29.83	CLOUDY
KBA-11-PS9	2-4-03	0855	59.°F	82%	29.85	CLOUDY

Columbia Analytical Services INC.
An Employee-Owned Company

February 20, 2003

Service Request No. J2300220

Fred Coley
JA Jones Management Services
P.O. Box 47248
Kings Bay, GA 31547

RE: Certified Analytical Report for
Project No.: Site 11
Project Name: NSB Kings Bay, GA

Dear Fred Coley:

Enclosed are the results of the samples(s) submitted to our laboratory on February 06, 2003. For your reference, these analyses have been assigned our service request number: J2300220.

All analyses were performed according to our laboratory's quality assurance program. NELAP requirements were met unless footnotes in each sample report indicate otherwise. Estimates regarding the degree of uncertainty in measurements can be inferred from the accuracy limits in the laboratory QA manual. However, these limits do not account for possible matrix effects. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the samples analyzed.

Please call if you have any questions.

Respectfully submitted,

Columbia Analytical Services, Inc.

Martha Montero
Project Manager

CAS Jacksonville is NELAC-accredited by the State of Florida (E82502). Other state accreditations include: AR, AR; LA, AI 30759; MA, M-FL937; NC, 527; SC, 96021; WA, C278.

8540 Baycenter Rd. ▪ Jacksonville, FL 32256 ▪ (904) 739-2277 ▪ Fax (904) 739-2011

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	JA Jones Management Services	**Service Request No.:**	J2300220
Project:	NSB Kings Bay, GA	**Date Received:**	2/6/03
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier III data deliverables including validation summary forms. When appropriate to the procedure, method blank results have been reported with each analytical test. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Parameters that are included in the NELAC Fields of Testing but are not included in the lab's NELAC accreditation are identified in the discussion of each analytical procedure.

Sample Receipt

Nine samples were received for analysis at Columbia Analytical Services on 2/6/03. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at 4±2°C upon receipt at the lab.

Volatile Organic Compounds by GC-MS

Matrix Spike Recovery Exceptions

The matrix spike recoveries of cis-1,2-Dichloroethene, Trichloroethene (TCE) and Tetrachloroethene (PCE) for sample KBA-11-13A-FEB-5-03 were outside control criteria. Recovery in the Laboratory Control Sample (LCS) was acceptable, which indicates the analytical batch was in control. No further corrective action was appropriate.

Approved by Maurice Morris **Date** 2/21/03

TABLE OF CONTENTS

CAS Lab Reference Nos.: J2300220
Non-CLP Tier IV (Tier III w/out Raw Data)

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Sample Identification Cross-Reference	004
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Acronyms	006
Chain of Custody Documentation	007
Summary Package	011
GC/MS Volatiles	012

This report contains a total of 52 pages

SAMPLE CROSS-REFERENCE

J2300220

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
J2300220-001	KBA-11-16-FEB-5-03	2/5/2003	08:50
J2300220-002	KBA-11-37-FEB-5-03	2/5/2003	09:50
J2300220-003	KBA-11-PS2-FEB-5-03	2/5/2003	10:55
J2300220-004	KBA-11-34-FEB-5-03	2/5/2003	11:50
J2300220-005	KBA-11-13A-FEB-5-03MS	2/5/2003	14:05
J2300220-005	KBA-11-13A-FEB-5-03MSD	2/5/2003	14:05
J2300220-005	KBA-11-13A-FEB-5-03	2/5/2003	13:55
J2300220-006	KBA-11-13A-FEB-5-03 DUP	2/5/2003	14:00
J2300220-007	KBA-11-13A-FEB-5-03 Rinsate	2/5/2003	13:50
J2300220-008	KBA-11-13A-FEB-5-3 Field Blank	2/5/2003	13:15

Data Qualifiers

Inorganic Data

- * The result is an outlier. See case narrative.
- # The control limit criteria are not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- E The result is an estimated amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- Z Too many colonies were present (TNTC). The numeric value represents the filtration volume.
- i The MRL/MDL has been elevated due to matrix interference.
- X See case narrative.

Metals Data

- * The result is an outlier. See case narrative.
- # The control limit criteria are not applicable. See case narrative.
- B The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- E The reported value is estimated because of the presence of matrix interference.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The result was determined by Method of Standard Additions (MSA).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL has been elevated due to matrix interference.
- X See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.

Organic Data

- * The result is an outlier. See case narrative.
- # The control limit criteria are not applicable. See case narrative.
- A The tentatively identified compound is a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimated amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria were exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides)
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a chromatographic interference.
- X See case narrative.

Petroleum Hydrocarbon Specific

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

Chain of Custody and Sample Receipt Documentation

Analytical Services INC.
An Employee-Owned Company
www.caslab.com

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

8540 Baycenter Rd. • Jacksonville, FL 32256 • (904) 739-2277 • 800-695-7222 x06 • FAX (904) 739-2011

PAGE 1 OF 1

J2300220

Project Name: NSB Kings Bay, Ga
Project Number: Site 1.1
Project Manager: Cafey
Report CC: Cafey
Company/Address: J.A. Jones Mgt. Services, P.O. Box 47248, Kings Bay, Ga 31547
Phone #: 912-673-2004 ext. 8536
FAX#: 912-673-4037
Sampler's Signature: Tommy Bryant
Sampler's Printed Name: Tommy BRYANT

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE: ∞

Preservative Key: 0. NONE; 1. HCL; 2. HNO_3; 3. H_2SO_4; 4. NaOH; 5. Zn. Acetate; 6. MeOH; 7. $NaHSO_4$; 8. Other ____

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	Treated water Dechlorinated standard to 82605 include naphthalene	REMARKS/ ALTERNATE DESCRIPTION
BA-11-16-FEB-5-03		2-5-03	0850	WATER	3	✓	
BA-11-37-FEB-5-03		2-5-03	0950	WATER	3	✓	
BA-11-PS2-FEB-5-03		2/5-03	1055	WATER	3	✓	
BA-11-34-FEB-5-03		2/5-03	1150	WATER	3	✓	
BA-11-13A-FEB-5-03	REG.	2/5-03	1355	WATER	3	✓	
BA-11-13A-FEB-5-03	DUP.	2/5-03	1400	WATER	3	✓	
BA-11-13A-FEB-5-03	MS/MSD	2/5/03	1405	WATER	3	✓	
BA-11-13A-FEB-5-03	RINSATE	2/5/03	1350	WATER	3	✓	
BA-11-13A-FEB-5-03	FIELD BLANK	2/5/03	1315	WATER	3	✓	

SPECIAL INSTRUCTIONS/COMMENTS

See QAPP ☐

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
✓ STANDARD
REQUESTED FAX DATE ____
REQUESTED REPORT DATE ____

REPORT REQUIREMENTS
____ I. Results Only
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
✓ IV. Data Validation Report with Raw Data
✓ V. Specialized Forms / Custom Report
Edata ✓ Yes ____ No

INVOICE INFORMATION
PO# 966531
BILL TO: J.A. Jones Mgt. Svc, P.O. Box 47248, Kings Bay, Ga 31547

SAMPLE RECEIPT: CONDITION/COOLER TEMP: ____ CUSTODY SEALS: Y N

	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Tommy Bryant	Glenn Drawdy		Chris Ferguson		
Printed Name	TOMMY BRYANT	GLENN DRAWDY		CHRIS FERGUSON		
Firm	J.A. Jones	JA JONES		CAS		
Date/Time	2-6-03 / 10	2-6-3 - 743		2/03 1130		

Distribution: White - Return with Analyst; Yellow - Lab Copy; Pink - Retained by Client

COC-1000-07

Client: J A JONES Project name: NSB KINGS BAY, GA

Date received: 2/6/03 11:20 Service request number: J2300220

Received by: [illegible] CUR completed by: [illegible]

Cooler/Shipping Information:

Courier: ☐ CAS ☑ Client ☐ UPS ☐ Airborne ☐ FedEx ☐ Other (describe):

Type: ☑ Cooler ☐ Box ☐ Other (describe)

Cooler temperature: Identify the cooler and document the temperature blank or ice water measurement

Cooler ID	1				
Temp (°C)	4.1				
Temp taken from	☐ Temp blank ☑ Sample bottle	☐ Temp blank ☐ Sample bottle	☐ Temp blank ☐ Sample bottle	☐ Temp blank ☐ Sample bottle	☐ Temp blank ☐ Sample bottle
Temp measured with	☑ IR gun ☐ Thermometer (enter ID):	☐ IR gun ☐ Thermometer (enter ID):	☐ IR gun ☐ Thermometer (enter ID):	☐ IR gun ☐ Thermometer (enter ID):	☐ IR gun ☐ Thermometer (enter ID):

Other Information:

Any "NO" responses or discrepancies should be explained in the "Comments" section below or an NCM if so required. If an NCM was initiated, write the NCM number in the appropriate space.

CHECKLIST	YES	NO	NA	NCM #
1. Were custody seals on shipping container(s) intact? **If "No", NCM required.**			✓	
2. Were custody papers properly included with samples?	✓			
3. Were custody papers properly filled out (ink, signed, match labels)?	✓			
Did all bottles arrive in good condition (unbroken)?	✓			
Were all bottle labels complete (sample #, date, signed, analysis, preservatives)?	✓			
6. Did the sample labels agree with the chain of custody?	✓			
7. Were correct bottles used for the tests indicated?	✓			
8. Were proper sample preservation techniques indicated on the label?	✓			
9. Were samples received within holding times? **If "No," NCM required.**	✓			
10. Were all VOA vials checked for the presence of air bubbles? **If "No", NCM required.**	✓			
11. Were there air bubbles present in the VOA vials? **If "Yes", NCM required.**		✓		
12. Were samples in direct contact with wet ice? If "No," check one: ☐ NO ICE ☐ BLUE ICE	✓			
13. Was the cooler temperature less than 6°C?	✓			
14. Were sample pHs checked and recorded by Sample control? Checks are on reverse side of form. *NOTE: VOA samples are checked by laboratory analysts.*			✓	
15. Were the sample containers provided by CAS?	✓			
16. Were samples accepted into the laboratory?	✓			

Comments:

Columbia Analytical Services

Jacksonville Laboratory
Condition Upon Receipt - Sample pH

SR #: J 2300220 Date: 2/6/03 Initials: CJ

A check mark in any space under the appropriate column headings for the selected sample indicates that the pH was checked and met the required pH criterion listed in the column heading.

	Bottle Code																									
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Container	40-mL G	40-mL G	125-mL P	250-mL P	500-mL P	1-L P	250-mL G	1-L G	2-oz G	4-oz G	8-oz G	16-oz G	5 g ENC	100-mL P	250-mL P	500-mL P	1-L P	1-L G	250-mL P	500-mL P	1-L P	250-mL G	250-mL P	1.75-L P	500-mL P	Misc. Misc.
Pres.	HCl		HCl											Sodium Thiosulfate	H2SO4	H2SO4	H2SO4	H2SO4	HNO3	HNO3	HNO3	HNO3	NaOH	NaOH	ZnAcetate NaOH	
Req. pH	<2	N/A	<2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<2	<2	<2	<2	<2	<2	<2	<2	>12	>12	>9	N/A
Sample #	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-001	3																									
-002	3																									
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-036																										
-037																										
-038																										
-039																										
-040																										

For aqu ples with multiple containers, only 1 bottle is checked for pH
NOTE: V ecks are performed by the analytical area, not sample control

10

Summary Package

Organic Analysis:
Volatile Organic Compounds by GC/MS

Summary Package

Sample and QC Results

Client: JA Jones Management Services
Project: NSB Kings Bay, GA/Site 11

Service Request: J2300220

Cover Page - Organic Analysis Data Package
Volatile Organic Compounds by GC/MS

Sample Name	Lab Code	Date Collected	Date Received
KBA-11-16-FEB-5-03	J2300220-001	02/05/2003	02/06/2003
KBA-11-37-FEB-5-03	J2300220-002	02/05/2003	02/06/2003
KBA-11-PS2-FEB-5-03	J2300220-003	02/05/2003	02/06/2003
KBA-11-34-FEB-5-03	J2300220-004	02/05/2003	02/06/2003
KBA-11-13A-FEB-5-03	J2300220-005	02/05/2003	02/06/2003
KBA-11-13A-FEB-5-03 DUP	J2300220-006	02/05/2003	02/06/2003
KBA-11-13A-FEB-5-03 Rinsate	J2300220-007	02/05/2003	02/06/2003
KBA-11-13A-FEB-5-3 Field Bl	J2300220-008	02/05/2003	02/06/2003
KBA-11-13A-FEB-5-03MS	JWG0300314-1	02/05/2003	02/06/2003
KBA-11-13A-FEB-5-03DMS	JWG0300314-2	02/05/2003	02/06/2003

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Martha Martin

Name: Martha Martin

Date: 2/21/03

Title: Project Manager

Client: JA Jones Management Services
Project: NSB Kings Bay, GA/Site 11
Sample Matrix: Water

Service Request: J2300220
Date Collected: 02/05/2003
Date Received: 02/06/2003

Volatile Organic Compounds by GC/MS

Sample Name: KBA-11-16-FEB-5-03
Lab Code: J2300220-001

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	5.0	1	02/11/03	02/11/03	JWG0300314	
Chloromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Vinyl Chloride	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Bromomethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Chloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Trichlorofluoromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1-Dichloroethene	**2.5**		1.0	1	02/11/03	02/11/03	JWG0300314	
Acetone	**94**		50	1	02/11/03	02/11/03	JWG0300314	
Iodomethane (Methyl Iodide)	ND	U	5.0	1	02/11/03	02/11/03	JWG0300314	
Carbon Disulfide	ND	U	10	1	02/11/03	02/11/03	JWG0300314	
Methylene Chloride	ND	U	5.0	1	02/11/03	02/11/03	JWG0300314	
trans-1,2-Dichloroethene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1 ' Dichloroethane	**46**		1.0	1	02/11/03	02/11/03	JWG0300314	
ı Acetate	ND	U	10	1	02/11/03	02/11/03	JWG0300314	
.,2-Dichloroethene	**28**		1.0	1	02/11/03	02/11/03	JWG0300314	
2-Butanone (MEK)	**65**		10	1	02/11/03	02/11/03	JWG0300314	
Bromochloromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Methacrylonitrile	ND	U	2.0	1	02/11/03	02/11/03	JWG0300314	
Chloroform	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1,1-Trichloroethane (TCA)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Carbon Tetrachloride	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Benzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dichloroethane (EDC)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Trichloroethene (TCE)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dichloropropane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Dibromomethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Bromodichloromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
cis-1,3-Dichloropropene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
4-Methyl-2-pentanone (MIBK)	**180**		25	1	02/11/03	02/11/03	JWG0300314	
Toluene	**25**		1.0	1	02/11/03	02/11/03	JWG0300314	
trans-1,3-Dichloropropene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1,2-Trichloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Tetrachloroethene (PCE)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
2-Hexanone	ND	U	25	1	02/11/03	02/11/03	JWG0300314	

C :nts:

Client: JA Jones Management Services
Project: NSB Kings Bay, GA/Site 11
Sample Matrix: Water

Service Request: J2300220
Date Collected: 02/05/2003
Date Received: 02/06/2003

Volatile Organic Compounds by GC/MS

Sample Name: KBA-11-16-FEB-5-03
Lab Code: J2300220-001

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dibromochloromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dibromoethane (EDB)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Chlorobenzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1,1,2-Tetrachloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Ethylbenzene	**5.0**		1.0	1	02/11/03	02/11/03	JWG0300314	
m,p-Xylenes	**6.1**		2.0	1	02/11/03	02/11/03	JWG0300314	
o-Xylene	**3.6**		1.0	1	02/11/03	02/11/03	JWG0300314	
Styrene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Bromoform	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2,3-Trichloropropane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
trans-1,4-Dichloro-2-butene	ND	U	20	1	02/11/03	02/11/03	JWG0300314	
1,3-Dichlorobenzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,4-Dichlorobenzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dichlorobenzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dibromo-3-chloropropane (DBCP	ND	U	2.0	1	02/11/03	02/11/03	JWG0300314	
Naphthalene	ND	U	10	1	02/11/03	02/11/03	JWG0300314	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,2-Dichloroethane-d4	98	69-122	02/11/03	Acceptable
4-Bromofluorobenzene	99	69-134	02/11/03	Acceptable
Dibromofluoromethane	98	74-115	02/11/03	Acceptable
Toluene-d8	98	77-124	02/11/03	Acceptable

Comments:

Client: JA Jones Management Services
Project: NSB Kings Bay, GA/Site 11
Sample Matrix: Water

Service Request: J2300220
Date Collected: 02/05/2003
Date Received: 02/06/2003

Volatile Organic Compounds by GC/MS

Sample Name: KBA-11-37-FEB-5-03
Lab Code: J2300220-002

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	5.0	1	02/11/03	02/11/03	JWG0300314	
Chloromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Vinyl Chloride	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Bromomethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Chloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Trichlorofluoromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1-Dichloroethene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Acetone	ND	U	50	1	02/11/03	02/11/03	JWG0300314	
Iodomethane (Methyl Iodide)	ND	U	5.0	1	02/11/03	02/11/03	JWG0300314	
Carbon Disulfide	ND	U	10	1	02/11/03	02/11/03	JWG0300314	
Methylene Chloride	ND	U	5.0	1	02/11/03	02/11/03	JWG0300314	
trans-1,2-Dichloroethene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1-Dichloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
[illegible] Acetate	ND	U	10	1	02/11/03	02/11/03	JWG0300314	
[illegible]1,2-Dichloroethene	**2.4**		1.0	1	02/11/03	02/11/03	JWG0300314	
2-Butanone (MEK)	ND	U	10	1	02/11/03	02/11/03	JWG0300314	
Bromochloromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Methacrylonitrile	ND	U	2.0	1	02/11/03	02/11/03	JWG0300314	
Chloroform	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1,1-Trichloroethane (TCA)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Carbon Tetrachloride	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Benzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dichloroethane (EDC)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Trichloroethene (TCE)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dichloropropane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Dibromomethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Bromodichloromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
cis-1,3-Dichloropropene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
4-Methyl-2-pentanone (MIBK)	ND	U	25	1	02/11/03	02/11/03	JWG0300314	
Toluene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
trans-1,3-Dichloropropene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1,2-Trichloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Tetrachloroethene (PCE)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
2-Hexanone	ND	U	25	1	02/11/03	02/11/03	JWG0300314	

C[illegible]nts:

Client: JA Jones Management Services
Project: NSB Kings Bay, GA/Site 11
Sample Matrix: Water

Service Request: J2300220
Date Collected: 02/05/2003
Date Received: 02/06/2003

Volatile Organic Compounds by GC/MS

Sample Name: KBA-11-37-FEB-5-03
Lab Code: J2300220-002

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dibromochloromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dibromoethane (EDB)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Chlorobenzene	**5.5**		1.0	1	02/11/03	02/11/03	JWG0300314	
1,1,1,2-Tetrachloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Ethylbenzene	**2.3**		1.0	1	02/11/03	02/11/03	JWG0300314	
m,p-Xylenes	ND	U	2.0	1	02/11/03	02/11/03	JWG0300314	
o-Xylene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Styrene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Bromoform	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2,3-Trichloropropane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
trans-1,4-Dichloro-2-butene	ND	U	20	1	02/11/03	02/11/03	JWG0300314	
1,2-Dichlorobenzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Dichlorobenzene	**4.3**		1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dichlorobenzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dibromo-3-chloropropane (DBCP	ND	U	2.0	1	02/11/03	02/11/03	JWG0300314	
Naphthalene	**25**		10	1	02/11/03	02/11/03	JWG0300314	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,2-Dichloroethane-d4	98	69-122	02/11/03	Acceptable
4-Bromofluorobenzene	97	69-134	02/11/03	Acceptable
Dibromofluoromethane	95	74-115	02/11/03	Acceptable
Toluene-d8	96	77-124	02/11/03	Acceptable

Comments:

Client: JA Jones Management Services
Project: NSB Kings Bay, GA/Site 11
Sample Matrix: Water

Service Request: J2300220
Date Collected: 02/05/2003
Date Received: 02/06/2003

Volatile Organic Compounds by GC/MS

Sample Name: KBA-11-PS2-FEB-5-03
Lab Code: J2300220-003

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	5.0	1	02/11/03	02/11/03	JWG0300314	
Chloromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Vinyl Chloride	**2.9**		1.0	1	02/11/03	02/11/03	JWG0300314	
Bromomethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Chloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Trichlorofluoromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1-Dichloroethene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Acetone	ND	U	50	1	02/11/03	02/11/03	JWG0300314	
Iodomethane (Methyl Iodide)	ND	U	5.0	1	02/11/03	02/11/03	JWG0300314	
Carbon Disulfide	ND	U	10	1	02/11/03	02/11/03	JWG0300314	
Methylene Chloride	ND	U	5.0	1	02/11/03	02/11/03	JWG0300314	
trans-1,2-Dichloroethene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1-Dichloroethane	**2.3**		1.0	1	02/11/03	02/11/03	JWG0300314	
Acetate	ND	U	10	1	02/11/03	02/11/03	JWG0300314	
-1,2-Dichloroethene	**100**		1.0	1	02/11/03	02/11/03	JWG0300314	
2-Butanone (MEK)	ND	U	10	1	02/11/03	02/11/03	JWG0300314	
Bromochloromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Methacrylonitrile	ND	U	2.0	1	02/11/03	02/11/03	JWG0300314	
Chloroform	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1,1-Trichloroethane (TCA)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Carbon Tetrachloride	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Benzene	**1.4**		1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dichloroethane (EDC)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Trichloroethene (TCE)	**1.3**		1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dichloropropane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Dibromomethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Bromodichloromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
cis-1,3-Dichloropropene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
4-Methyl-2-pentanone (MIBK)	ND	U	25	1	02/11/03	02/11/03	JWG0300314	
Toluene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
trans-1,3-Dichloropropene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1,2-Trichloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Tetrachloroethene (PCE)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
2-Hexanone	ND	U	25	1	02/11/03	02/11/03	JWG0300314	

ents:

Client: JA Jones Management Services
Project: NSB Kings Bay, GA/Site 11
Sample Matrix: Water

Service Request: J2300220
Date Collected: 02/05/2003
Date Received: 02/06/2003

Volatile Organic Compounds by GC/MS

Sample Name: KBA-11-PS2-FEB-5-03
Lab Code: J2300220-003

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dibromochloromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dibromoethane (EDB)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Chlorobenzene	**1.5**		1.0	1	02/11/03	02/11/03	JWG0300314	
1,1,1,2-Tetrachloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Ethylbenzene	**9.1**		1.0	1	02/11/03	02/11/03	JWG0300314	
m,p-Xylenes	ND	U	2.0	1	02/11/03	02/11/03	JWG0300314	
o-Xylene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Styrene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Bromoform	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2,3-Trichloropropane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
trans-1,4-Dichloro-2-butene	ND	U	20	1	02/11/03	02/11/03	JWG0300314	
1 ³-Dichlorobenzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
)ichlorobenzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dichlorobenzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dibromo-3-chloropropane (DBCP	ND	U	2.0	1	02/11/03	02/11/03	JWG0300314	
Naphthalene	ND	U	10	1	02/11/03	02/11/03	JWG0300314	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,2-Dichloroethane-d4	100	69-122	02/11/03	Acceptable
4-Bromofluorobenzene	97	69-134	02/11/03	Acceptable
Dibromofluoromethane	96	74-115	02/11/03	Acceptable
Toluene-d8	97	77-124	02/11/03	Acceptable

.ıents:

Client: JA Jones Management Services
Project: NSB Kings Bay, GA/Site 11
Sample Matrix: Water

Service Request: J2300220
Date Collected: 02/05/2003
Date Received: 02/06/2003

Volatile Organic Compounds by GC/MS

Sample Name: KBA-11-34-FEB-5-03
Lab Code: J2300220-004

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	5.0	1	02/11/03	02/11/03	JWG0300314	
Chloromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Vinyl Chloride	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Bromomethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Chloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Trichlorofluoromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1-Dichloroethene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Acetone	ND	U	50	1	02/11/03	02/11/03	JWG0300314	
Iodomethane (Methyl Iodide)	ND	U	5.0	1	02/11/03	02/11/03	JWG0300314	
Carbon Disulfide	ND	U	10	1	02/11/03	02/11/03	JWG0300314	
Methylene Chloride	ND	U	5.0	1	02/11/03	02/11/03	JWG0300314	
trans-1,2-Dichloroethene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1 ' Dichloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
l Acetate	ND	U	10	1	02/11/03	02/11/03	JWG0300314	
cis-1,2-Dichloroethene	**1.5**		1.0	1	02/11/03	02/11/03	JWG0300314	
2-Butanone (MEK)	ND	U	10	1	02/11/03	02/11/03	JWG0300314	
Bromochloromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Methacrylonitrile	ND	U	2.0	1	02/11/03	02/11/03	JWG0300314	
Chloroform	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1,1-Trichloroethane (TCA)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Carbon Tetrachloride	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Benzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dichloroethane (EDC)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Trichloroethene (TCE)	**5.2**		1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dichloropropane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Dibromomethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Bromodichloromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
cis-1,3-Dichloropropene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
4-Methyl-2-pentanone (MIBK)	ND	U	25	1	02/11/03	02/11/03	JWG0300314	
Toluene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
trans-1,3-Dichloropropene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1,2-Trichloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Tetrachloroethene (PCE)	**69**		1.0	1	02/11/03	02/11/03	JWG0300314	
2-Hexanone	ND	U	25	1	02/11/03	02/11/03	JWG0300314	

ents:

Client: JA Jones Management Services
Project: NSB Kings Bay, GA/Site 11
Sample Matrix: Water

Service Request: J2300220
Date Collected: 02/05/2003
Date Received: 02/06/2003

Volatile Organic Compounds by GC/MS

Sample Name: KBA-11-34-FEB-5-03
Lab Code: J2300220-004

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dibromochloromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dibromoethane (EDB)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Chlorobenzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1,1,2-Tetrachloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Ethylbenzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
m,p-Xylenes	ND	U	2.0	1	02/11/03	02/11/03	JWG0300314	
o-Xylene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Styrene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Bromoform	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2,3-Trichloropropane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
trans-1,4-Dichloro-2-butene	ND	U	20	1	02/11/03	02/11/03	JWG0300314	
1 ³-Dichlorobenzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
)ichlorobenzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dichlorobenzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dibromo-3-chloropropane (DBCP	ND	U	2.0	1	02/11/03	02/11/03	JWG0300314	
Naphthalene	ND	U	10	1	02/11/03	02/11/03	JWG0300314	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,2-Dichloroethane-d4	98	69-122	02/11/03	Acceptable
4-Bromofluorobenzene	93	69-134	02/11/03	Acceptable
Dibromofluoromethane	98	74-115	02/11/03	Acceptable
Toluene-d8	92	77-124	02/11/03	Acceptable

.ıents:

Client: JA Jones Management Services
Project: NSB Kings Bay, GA/Site 11
Sample Matrix: Water

Service Request: J2300220
Date Collected: 02/05/2003
Date Received: 02/06/2003

Volatile Organic Compounds by GC/MS

Sample Name: KBA-11-13A-FEB-5-03
Lab Code: J2300220-005

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	5.0	1	02/11/03	02/11/03	JWG0300314	
Chloromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Vinyl Chloride	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Bromomethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Chloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Trichlorofluoromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1-Dichloroethene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Acetone	ND	U	50	1	02/11/03	02/11/03	JWG0300314	
Iodomethane (Methyl Iodide)	ND	U	5.0	1	02/11/03	02/11/03	JWG0300314	
Carbon Disulfide	**20**		10	1	02/11/03	02/11/03	JWG0300314	
Methylene Chloride	ND	U	5.0	1	02/11/03	02/11/03	JWG0300314	
trans-1,2-Dichloroethene	**1.0**		1.0	1	02/11/03	02/11/03	JWG0300314	
1,1-Dichloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
l Acetate	ND	U	10	1	02/11/03	02/11/03	JWG0300314	
,2-Dichloroethene	**12**		1.0	1	02/11/03	02/11/03	JWG0300314	
2-Butanone (MEK)	ND	U	10	1	02/11/03	02/11/03	JWG0300314	
Bromochloromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Methacrylonitrile	ND	U	2.0	1	02/11/03	02/11/03	JWG0300314	
Chloroform	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1,1-Trichloroethane (TCA)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Carbon Tetrachloride	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Benzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dichloroethane (EDC)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Trichloroethene (TCE)	**8.8**		1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dichloropropane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Dibromomethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Bromodichloromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
cis-1,3-Dichloropropene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
4-Methyl-2-pentanone (MIBK)	ND	U	25	1	02/11/03	02/11/03	JWG0300314	
Toluene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
trans-1,3-Dichloropropene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1,2-Trichloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Tetrachloroethene (PCE)	**23**		1.0	1	02/11/03	02/11/03	JWG0300314	
2-Hexanone	ND	U	25	1	02/11/03	02/11/03	JWG0300314	

(ıts:

Client: JA Jones Management Services
Project: NSB Kings Bay, GA/Site 11
Sample Matrix: Water

Service Request: J2300220
Date Collected: 02/05/2003
Date Received: 02/06/2003

Volatile Organic Compounds by GC/MS

Sample Name: KBA-11-13A-FEB-5-03
Lab Code: J2300220-005

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dibromochloromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dibromoethane (EDB)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Chlorobenzene	**1.2**		1.0	1	02/11/03	02/11/03	JWG0300314	
1,1,1,2-Tetrachloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Ethylbenzene	**3.7**		1.0	1	02/11/03	02/11/03	JWG0300314	
m,p-Xylenes	ND	U	2.0	1	02/11/03	02/11/03	JWG0300314	
o-Xylene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Styrene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Bromoform	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2,3-Trichloropropane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
trans-1,4-Dichloro-2-butene	ND	U	20	1	02/11/03	02/11/03	JWG0300314	
1,3-Dichlorobenzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Dichlorobenzene	**1.0**		1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dichlorobenzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dibromo-3-chloropropane (DBCP	ND	U	2.0	1	02/11/03	02/11/03	JWG0300314	
Naphthalene	**11**		10	1	02/11/03	02/11/03	JWG0300314	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,2-Dichloroethane-d4	108	69-122	02/11/03	Acceptable
4-Bromofluorobenzene	103	69-134	02/11/03	Acceptable
Dibromofluoromethane	101	74-115	02/11/03	Acceptable
Toluene-d8	103	77-124	02/11/03	Acceptable

Comments:

Client: JA Jones Management Services
Project: NSB Kings Bay, GA/Site 11
Sample Matrix: Water

Service Request: J2300220
Date Collected: 02/05/2003
Date Received: 02/06/2003

Volatile Organic Compounds by GC/MS

Sample Name: KBA-11-13A-FEB-5-03 DUP
Lab Code: J2300220-006

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	5.0	1	02/11/03	02/11/03	JWG0300314	
Chloromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Vinyl Chloride	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Bromomethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Chloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Trichlorofluoromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1-Dichloroethene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Acetone	ND	U	50	1	02/11/03	02/11/03	JWG0300314	
Iodomethane (Methyl Iodide)	ND	U	5.0	1	02/11/03	02/11/03	JWG0300314	
Carbon Disulfide	ND	U	10	1	02/11/03	02/11/03	JWG0300314	
Methylene Chloride	ND	U	5.0	1	02/11/03	02/11/03	JWG0300314	
trans-1,2-Dichloroethene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1-Dichloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1 Acetate	ND	U	10	1	02/11/03	02/11/03	JWG0300314	
,2-Dichloroethene	**1.4**		1.0	1	02/11/03	02/11/03	JWG0300314	
2-Butanone (MEK)	ND	U	10	1	02/11/03	02/11/03	JWG0300314	
Bromochloromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Methacrylonitrile	ND	U	2.0	1	02/11/03	02/11/03	JWG0300314	
Chloroform	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1,1-Trichloroethane (TCA)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Carbon Tetrachloride	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Benzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dichloroethane (EDC)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Trichloroethene (TCE)	**1.1**		1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dichloropropane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Dibromomethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Bromodichloromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
cis-1,3-Dichloropropene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
4-Methyl-2-pentanone (MIBK)	ND	U	25	1	02/11/03	02/11/03	JWG0300314	
Toluene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
trans-1,3-Dichloropropene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1,2-Trichloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Tetrachloroethene (PCE)	**1.2**		1.0	1	02/11/03	02/11/03	JWG0300314	
2-Hexanone	ND	U	25	1	02/11/03	02/11/03	JWG0300314	

nts:

Client: JA Jones Management Services
Project: NSB Kings Bay, GA/Site 11
Sample Matrix: Water

Service Request: J2300220
Date Collected: 02/05/2003
Date Received: 02/06/2003

Volatile Organic Compounds by GC/MS

Sample Name: KBA-11-13A-FEB-5-03 DUP
Lab Code: J2300220-006

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dibromochloromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dibromoethane (EDB)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Chlorobenzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1,1,2-Tetrachloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Ethylbenzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
m,p-Xylenes	ND	U	2.0	1	02/11/03	02/11/03	JWG0300314	
o-Xylene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Styrene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Bromoform	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2,3-Trichloropropane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
trans-1,4-Dichloro-2-butene	ND	U	20	1	02/11/03	02/11/03	JWG0300314	
1,3-Dichlorobenzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Dichlorobenzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dichlorobenzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dibromo-3-chloropropane (DBCP	ND	U	2.0	1	02/11/03	02/11/03	JWG0300314	
Naphthalene	ND	U	10	1	02/11/03	02/11/03	JWG0300314	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,2-Dichloroethane-d4	107	69-122	02/11/03	Acceptable
4-Bromofluorobenzene	100	69-134	02/11/03	Acceptable
Dibromofluoromethane	100	74-115	02/11/03	Acceptable
Toluene-d8	98	77-124	02/11/03	Acceptable

Comments:

Client: JA Jones Management Services
Project: NSB Kings Bay, GA/Site 11
Sample Matrix: Water

Service Request: J2300220
Date Collected: 02/05/2003
Date Received: 02/06/2003

Volatile Organic Compounds by GC/MS

Sample Name: KBA-11-13A-FEB-5-03 Rinsate
Lab Code: J2300220-007

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	5.0	1	02/11/03	02/11/03	JWG0300314	
Chloromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Vinyl Chloride	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Bromomethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Chloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Trichlorofluoromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1-Dichloroethene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Acetone	ND	U	50	1	02/11/03	02/11/03	JWG0300314	
Iodomethane (Methyl Iodide)	ND	U	5.0	1	02/11/03	02/11/03	JWG0300314	
Carbon Disulfide	ND	U	10	1	02/11/03	02/11/03	JWG0300314	
Methylene Chloride	ND	U	5.0	1	02/11/03	02/11/03	JWG0300314	
trans-1,2-Dichloroethene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1-Dichloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
l Acetate	ND	U	10	1	02/11/03	02/11/03	JWG0300314	
1,2-Dichloroethene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
2-Butanone (MEK)	ND	U	10	1	02/11/03	02/11/03	JWG0300314	
Bromochloromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Methacrylonitrile	ND	U	2.0	1	02/11/03	02/11/03	JWG0300314	
Chloroform	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1,1-Trichloroethane (TCA)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Carbon Tetrachloride	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Benzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dichloroethane (EDC)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Trichloroethene (TCE)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dichloropropane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Dibromomethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Bromodichloromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
cis-1,3-Dichloropropene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
4-Methyl-2-pentanone (MIBK)	ND	U	25	1	02/11/03	02/11/03	JWG0300314	
Toluene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
trans-1,3-Dichloropropene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1,2-Trichloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Tetrachloroethene (PCE)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
2-Hexanone	ND	U	25	1	02/11/03	02/11/03	JWG0300314	

Comments:

Client: JA Jones Management Services
Project: NSB Kings Bay, GA/Site 11
Sample Matrix: Water

Service Request: J2300220
Date Collected: 02/05/2003
Date Received: 02/06/2003

Volatile Organic Compounds by GC/MS

Sample Name: KBA-11-13A-FEB-5-03 Rinsate
Lab Code: J2300220-007

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dibromochloromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dibromoethane (EDB)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Chlorobenzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1,1,2-Tetrachloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Ethylbenzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
m,p-Xylenes	ND	U	2.0	1	02/11/03	02/11/03	JWG0300314	
o-Xylene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Styrene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Bromoform	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2,3-Trichloropropane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
trans-1,4-Dichloro-2-butene	ND	U	20	1	02/11/03	02/11/03	JWG0300314	
1,3-Dichlorobenzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Dichlorobenzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dichlorobenzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dibromo-3-chloropropane (DBCP	ND	U	2.0	1	02/11/03	02/11/03	JWG0300314	
Naphthalene	ND	U	10	1	02/11/03	02/11/03	JWG0300314	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,2-Dichloroethane-d4	104	69-122	02/11/03	Acceptable
4-Bromofluorobenzene	100	69-134	02/11/03	Acceptable
Dibromofluoromethane	96	74-115	02/11/03	Acceptable
Toluene-d8	99	77-124	02/11/03	Acceptable

ıents:

Client: JA Jones Management Services
Project: NSB Kings Bay, GA/Site 11
Sample Matrix: Water

Service Request: J2300220
Date Collected: 02/05/2003
Date Received: 02/06/2003

Volatile Organic Compounds by GC/MS

Sample Name: KBA-11-13A-FEB-5-3 Field Blank
Lab Code: J2300220-008

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	5.0	1	02/11/03	02/11/03	JWG0300314	
Chloromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Vinyl Chloride	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Bromomethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Chloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Trichlorofluoromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1-Dichloroethene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Acetone	ND	U	50	1	02/11/03	02/11/03	JWG0300314	
Iodomethane (Methyl Iodide)	ND	U	5.0	1	02/11/03	02/11/03	JWG0300314	
Carbon Disulfide	ND	U	10	1	02/11/03	02/11/03	JWG0300314	
Methylene Chloride	ND	U	5.0	1	02/11/03	02/11/03	JWG0300314	
trans-1,2-Dichloroethene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1-Dichloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1 Acetate	ND	U	10	1	02/11/03	02/11/03	JWG0300314	
1,2-Dichloroethene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
2-Butanone (MEK)	ND	U	10	1	02/11/03	02/11/03	JWG0300314	
Bromochloromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Methacrylonitrile	ND	U	2.0	1	02/11/03	02/11/03	JWG0300314	
Chloroform	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1,1-Trichloroethane (TCA)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Carbon Tetrachloride	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Benzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dichloroethane (EDC)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Trichloroethene (TCE)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dichloropropane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Dibromomethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Bromodichloromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
cis-1,3-Dichloropropene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
4-Methyl-2-pentanone (MIBK)	ND	U	25	1	02/11/03	02/11/03	JWG0300314	
Toluene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
trans-1,3-Dichloropropene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1,2-Trichloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Tetrachloroethene (PCE)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
2-Hexanone	ND	U	25	1	02/11/03	02/11/03	JWG0300314	

ents:

Client: JA Jones Management Services
Project: NSB Kings Bay, GA/Site 11
Sample Matrix: Water

Service Request: J2300220
Date Collected: 02/05/2003
Date Received: 02/06/2003

Volatile Organic Compounds by GC/MS

Sample Name: KBA-11-13A-FEB-5-3 Field Blank
Lab Code: J2300220-008

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dibromochloromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dibromoethane (EDB)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Chlorobenzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1,1,2-Tetrachloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Ethylbenzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
m,p-Xylenes	ND	U	2.0	1	02/11/03	02/11/03	JWG0300314	
o-Xylene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Styrene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Bromoform	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2,3-Trichloropropane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
trans-1,4-Dichloro-2-butene	ND	U	20	1	02/11/03	02/11/03	JWG0300314	
1,3-Dichlorobenzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
)ichlorobenzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dichlorobenzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dibromo-3-chloropropane (DBCP	ND	U	2.0	1	02/11/03	02/11/03	JWG0300314	
Naphthalene	ND	U	10	1	02/11/03	02/11/03	JWG0300314	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,2-Dichloroethane-d4	105	69-122	02/11/03	Acceptable
4-Bromofluorobenzene	97	69-134	02/11/03	Acceptable
Dibromofluoromethane	95	74-115	02/11/03	Acceptable
Toluene-d8	94	77-124	02/11/03	Acceptable

ıents:

Client: JA Jones Management Services
Project: NSB Kings Bay, GA/Site 11
Sample Matrix: Water

Service Request: J2300220
Date Collected: NA
Date Received: NA

Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: JWG0300314-4

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	5.0	1	02/11/03	02/11/03	JWG0300314	
Chloromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Vinyl Chloride	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Bromomethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Chloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Trichlorofluoromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1-Dichloroethene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Acetone	ND	U	50	1	02/11/03	02/11/03	JWG0300314	
Iodomethane (Methyl Iodide)	ND	U	5.0	1	02/11/03	02/11/03	JWG0300314	
Carbon Disulfide	ND	U	10	1	02/11/03	02/11/03	JWG0300314	
Methylene Chloride	ND	U	5.0	1	02/11/03	02/11/03	JWG0300314	
trans-1,2-Dichloroethene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1-Dichloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1 Acetate	ND	U	10	1	02/11/03	02/11/03	JWG0300314	
1,2-Dichloroethene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
2-Butanone (MEK)	ND	U	10	1	02/11/03	02/11/03	JWG0300314	
Bromochloromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Methacrylonitrile	ND	U	2.0	1	02/11/03	02/11/03	JWG0300314	
Chloroform	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1,1-Trichloroethane (TCA)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Carbon Tetrachloride	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Benzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dichloroethane (EDC)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Trichloroethene (TCE)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dichloropropane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Dibromomethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Bromodichloromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
cis-1,3-Dichloropropene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
4-Methyl-2-pentanone (MIBK)	ND	U	25	1	02/11/03	02/11/03	JWG0300314	
Toluene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
trans-1,3-Dichloropropene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1,2-Trichloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Tetrachloroethene (PCE)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
2-Hexanone	ND	U	25	1	02/11/03	02/11/03	JWG0300314	

ents:

Client: JA Jones Management Services
Project: NSB Kings Bay, GA/Site 11
Sample Matrix: Water

Service Request: J2300220
Date Collected: NA
Date Received: NA

Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: JWG0300314-4

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dibromochloromethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dibromoethane (EDB)	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Chlorobenzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1,1,2-Tetrachloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Ethylbenzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
m,p-Xylenes	ND	U	2.0	1	02/11/03	02/11/03	JWG0300314	
o-Xylene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Styrene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Bromoform	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2,3-Trichloropropane	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
trans-1,4-Dichloro-2-butene	ND	U	20	1	02/11/03	02/11/03	JWG0300314	
1,3-Dichlorobenzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
Dichlorobenzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dichlorobenzene	ND	U	1.0	1	02/11/03	02/11/03	JWG0300314	
1,2-Dibromo-3-chloropropane (DBCP	ND	U	2.0	1	02/11/03	02/11/03	JWG0300314	
Naphthalene	ND	U	10	1	02/11/03	02/11/03	JWG0300314	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,2-Dichloroethane-d4	104	69-122	02/11/03	Acceptable
4-Bromofluorobenzene	98	69-134	02/11/03	Acceptable
Dibromofluoromethane	104	74-115	02/11/03	Acceptable
Toluene-d8	107	77-124	02/11/03	Acceptable

ents:

Client: JA Jones Management Services
Project: NSB Kings Bay, GA/Site 11
Sample Matrix: Water

Service Request: J2300220

Surrogate Recovery Summary
Volatile Organic Compounds by GC/MS

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3	Sur4
KBA-11-16-FEB-5-03	J2300220-001	98	99	98	98
KBA-11-37-FEB-5-03	J2300220-002	98	97	95	96
KBA-11-PS2-FEB-5-03	J2300220-003	100	97	96	97
KBA-11-34-FEB-5-03	J2300220-004	98	93	98	92
KBA-11-13A-FEB-5-03	J2300220-005	108	103	101	103
KBA-11-13A-FEB-5-03 DUP	J2300220-006	107	100	100	98
KBA-11-13A-FEB-5-03 Rinsate	J2300220-007	104	100	96	99
KBA-11-13A-FEB-5-3 Field Bl	J2300220-008	105	97	95	94
Method Blank	JWG0300314-4	104	98	104	107
KBA-11-13A-FEB-5-03MS	JWG0300314-1	95	96	101	103
KBA-11-13A-FEB-5-03DMS	JWG0300314-2	92	100	92	99
Lab Control Sample	JWG0300314-3	93	96	99	101

Surrogate Recovery Control Limits (%)

Sur1 =	1,2-Dichloroethane-d4	69-122
Sur2 =	4-Bromofluorobenzene	69-134
Sur3 =	Dibromofluoromethane	74-115
Sur4 =	Toluene-d8	77-124

flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

Client: JA Jones Management Services
Project: NSB Kings Bay, GA/Site 11

Service Request: J2300220
Date Analyzed: 02/11/2003
Time Analyzed: 13:03

Internal Standard Area and RT Summary
Volatile Organic Compounds by GC/MS

File ID: \\JAX1\ORGANICS\MS52\DATA\MS523B11.B\MS523B11R.B\0
Instrument ID: MS52.i
Analysis Method: 8260B

Lab Code: JWG0300312-12
Analysis Lot: JWG0300312
Column : DB-624

		1,4-Dichlorobenzene-d4		Chlorobenzene-d5		Fluorobenzene	
		Area	RT	Area	RT	Area	RT
	Results ==>	509,285	14.96	556,154	12.59	1,146,984	9.50
	Upper Limit ==>	1,018,570	15.46	1,112,308	13.09	2,293,968	10.00
	Lower Limit ==>	254,643	14.46	278,077	12.09	573,492	9.00
	ICAL Result ==>	509,285	NA	556,154	NA	1,146,984	NA
Associated Analyses							
Lab Control Sample	JWG0300314-3	567,028	14.96	627,560	12.59	1,372,116	9.50
KBA-11-13A-FEB-5-03MS	JWG0300314-1	557,636	14.96	625,936	12.59	1,353,571	9.50
KBA-11-13A-FEB-5-03DMS	JWG0300314-2	538,945	14.96	630,510	12.59	1,422,254	9.50
Method Blank	JWG0300314-4	530,313	14.96	580,250	12.59	1,293,413	9.50
KBA-11-16-FEB-5-03	J2300220-001	461,464	14.96	553,313	12.59	1,194,056	9.50
KBA-11-37-FEB-5-03	J2300220-002	459,339	14.96	545,934	12.59	1,179,533	9.50
KBA-11-PS2-FEB-5-03	J2300220-003	453,660	14.96	527,778	12.59	1,134,341	9.50
KBA-11-34-FEB-5-03	J2300220-004	453,809	14.96	527,865	12.59	1,136,770	9.50
KBA-11-13A-FEB-5-03	J2300220-005	409,976	14.96	484,710	12.59	1,054,229	9.50
KBA-11-13A-FEB-5-03 DUP	J2300220-006	397,848	14.96	484,312	12.59	1,052,891	9.50
KBA-11-13A-FEB-5-03 Rinsate	J2300220-007	393,311	14.96	472,455	12.59	1,018,822	0
KBA-11-13A-FEB-5-3 Field Blank	J2300220-008	371,928	14.96	447,083	12.59	984,997	.50

flagged with an asterisk (*) indicate values outside control criteria.

Client: JA Jones Management Services
Project: NSB Kings Bay, GA/Site 11
Sample Matrix: Water

Service Request: J2300220
Date Extracted: 02/11/2003
Date Analyzed: 02/11/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name: KBA-11-13A-FEB-5-03
Lab Code: J2300220-005

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low
Extraction Lot: JWG0300314

Analyte Name	Sample Result	KBA-11-13A-FEB-5-03MS JWG0300314-1 Matrix Spike			KBA-11-13A-FEB-5-03DMS JWG0300314-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Dichlorodifluoromethane	ND	22.4	20.0	112	21.3	20.0	107	80-135	5	30
Chloromethane	ND	20.2	20.0	101	19.7	20.0	99	70-139	2	30
Vinyl Chloride	ND	21.7	20.0	109	20.5	20.0	102	80-133	6	30
Bromomethane	ND	21.4	20.0	107	20.5	20.0	102	78-138	4	30
Chloroethane	ND	22.3	20.0	112	21.7	20.0	108	66-148	3	30
Trichlorofluoromethane	ND	21.4	20.0	107	20.3	20.0	101	67-153	5	30
1,1-Dichloroethene	ND	21.9	20.0	109	20.9	20.0	105	77-122	4	30
Acetone	ND	92.2	100	92	88.1	100	88	58-149	5	30
Iodomethane (Methyl Iodide)	ND	107	100	107	102	100	102	78-137	5	30
Carbon Disulfide	20	113	100	93	108	100	89	76-144	4	30
Methylene Chloride	ND	19.9	20.0	100	19.5	20.0	97	36-159	2	30
trans-1,2-Dichloroethene	1.0	22.0	20.0	105	20.6	20.0	98	80-120	6	30
1,1-Dichloroethane	ND	20.3	20.0	101	19.4	20.0	97	80-120	4	30
Vinyl Acetate	ND	117	100	117	112	100	112	77-141	4	30
cis-1,2-Dichloroethene	12	21.8	20.0	49 *	21.8	20.0	49 *	80-120	0	30
2-Butanone (MEK)	ND	95.6	100	96	90.0	100	90	63-142	6	30
Bromochloromethane	ND	20.7	20.0	104	19.9	20.0	100	80-120	4	30
Methacrylonitrile	ND	21.2	20.0	106	20.1	20.0	100	80-132	5	30
Chloroform	ND	20.3	20.0	101	19.6	20.0	98	80-120	4	30
1,1,1-Trichloroethane (TCA)	ND	20.8	20.0	104	19.9	20.0	99	80-121	4	30
Carbon Tetrachloride	ND	21.1	20.0	106	20.6	20.0	103	75-126	2	30
Benzene	ND	20.6	20.0	103	20.0	20.0	100	80-120	3	30
1,2-Dichloroethane (EDC)	ND	19.4	20.0	97	19.0	20.0	95	80-120	2	30
Trichloroethene (TCE)	8.8	21.9	20.0	65 *	21.1	20.0	61 *	80-120	4	30
1,2-Dichloropropane	ND	20.3	20.0	101	19.6	20.0	98	80-120	3	30
Dibromomethane	ND	19.7	20.0	98	20.2	20.0	101	80-120	2	30
Bromodichloromethane	ND	19.4	20.0	97	18.8	20.0	94	80-124	4	30
cis-1,3-Dichloropropene	ND	20.4	20.0	102	20.2	20.0	101	78-120	1	30
4-Methyl-2-pentanone (MIBK)	ND	105	100	105	102	100	102	80-124	3	30
Toluene	ND	21.0	20.0	105	20.6	20.0	103	80-120	2	30
trans-1,3-Dichloropropene	ND	19.9	20.0	100	20.0	20.0	100	77-120	0	30
1,1,2-Trichloroethane	ND	19.5	20.0	98	19.7	20.0	98	80-120	1	30
Tetrachloroethene (PCE)	23	23.0	20.0	-1 *	22.1	20.0	-6 *	78-120	4	30
2-Hexanone	ND	106	100	106	102	100	102	75-125	4	30

F flagged with an asterisk (*) indicate values outside control criteria.

I. s flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: JA Jones Management Services
Project: NSB Kings Bay, GA/Site 11
Sample Matrix: Water

Service Request: J2300220
Date Extracted: 02/11/2003
Date Analyzed: 02/11/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name: KBA-11-13A-FEB-5-03
Lab Code: J2300220-005

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low
Extraction Lot: JWG0300314

Analyte Name	Sample Result	KBA-11-13A-FEB-5-03MS JWG0300314-1 Matrix Spike			KBA-11-13A-FEB-5-03DMS JWG0300314-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Dibromochloromethane	ND	20.1	20.0	101	19.4	20.0	97	78-120	4	30
1,2-Dibromoethane (EDB)	ND	20.3	20.0	101	19.8	20.0	99	80-120	3	30
Chlorobenzene	1.2	20.5	20.0	97	20.6	20.0	97	80-120	1	30
1,1,1,2-Tetrachloroethane	ND	20.3	20.0	101	20.3	20.0	102	80-120	0	30
Ethylbenzene	3.7	22.1	20.0	92	21.7	20.0	90	80-120	2	30
m,p-Xylenes	ND	43.1	40.0	108	43.6	40.0	109	80-121	1	30
o-Xylene	ND	21.1	20.0	105	21.0	20.0	105	80-120	1	30
Styrene	ND	21.4	20.0	107	21.6	20.0	108	80-120	1	30
Bromoform	ND	19.6	20.0	98	20.6	20.0	103	64-120	5	30
1 ' 2,2-Tetrachloroethane	ND	19.9	20.0	99	20.2	20.0	101	77-125	2	[illegible]
-Trichloropropane	ND	19.7	20.0	99	20.4	20.0	102	77-120	3	[illegible]
trans-1,4-Dichloro-2-butene	ND	19.8	20.0	99	21.0	20.0	105	46-135	6	30
1,3-Dichlorobenzene	ND	20.2	20.0	101	20.2	20.0	101	80-120	0	30
1,4-Dichlorobenzene	1.0	20.9	20.0	99	20.6	20.0	98	80-120	2	30
1,2-Dichlorobenzene	ND	19.4	20.0	97	20.3	20.0	102	80-120	5	30
1,2-Dibromo-3-chloropropane (DBCP	ND	18.3	20.0	91	18.8	20.0	94	48-135	3	30
Naphthalene	11	24.7	20.0	67	25.4	20.0	70	65-125	3	30

F flagged with an asterisk (*) indicate values outside control criteria.

s flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: JA Jones Management Services
Project: NSB Kings Bay, GA/Site 11
Sample Matrix: Water

Service Request: J2300220
Date Extracted: 02/11/2003
Date Analyzed: 02/11/2003

Lab Control Spike Summary
Volatile Organic Compounds by GC/MS

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: JWG0300314

Analyte Name	Lab Control Sample JWG0300314-3 Lab Control Spike Result	Expected	%Rec	%Rec Limits
Dichlorodifluoromethane	50.2	50.0	100	59-143
Chloromethane	47.2	50.0	94	56-146
Vinyl Chloride	50.2	50.0	100	63-138
Bromomethane	50.9	50.0	102	46-162
Chloroethane	53.3	50.0	107	54-155
Trichlorofluoromethane	49.5	50.0	99	61-151
1,1-Dichloroethene	50.7	50.0	101	69-133
Acetone	236	250	95	52-153
Iodomethane (Methyl Iodide)	255	250	102	64-139
Carbon Disulfide	253	250	101	71-148
Methylene Chloride	48.9	50.0	98	68-131
-1,2-Dichloroethene	52.7	50.0	105	64-135
Dichloroethane	49.0	50.0	98	81-127
Vinyl Acetate	303	250	121	45-146
cis-1,2-Dichloroethene	51.9	50.0	104	81-123
2-Butanone (MEK)	254	250	101	62-143
Bromochloromethane	53.0	50.0	106	81-123
Methacrylonitrile	57.5	50.0	115	64-143
Chloroform	49.5	50.0	99	85-121
1,1,1-Trichloroethane (TCA)	50.7	50.0	101	77-125
Carbon Tetrachloride	51.0	50.0	102	75-131
Benzene	50.4	50.0	101	87-120
1,2-Dichloroethane (EDC)	48.8	50.0	98	82-125
Trichloroethene (TCE)	50.5	50.0	101	81-122
1,2-Dichloropropane	49.9	50.0	100	84-123
Dibromomethane	51.2	50.0	102	80-122
Bromodichloromethane	49.8	50.0	100	83-121
cis-1,3-Dichloropropene	52.9	50.0	106	70-133
4-Methyl-2-pentanone (MIBK)	266	250	106	66-145
Toluene	50.5	50.0	101	77-131
trans-1,3-Dichloropropene	52.0	50.0	104	74-127
1,1,2-Trichloroethane	49.5	50.0	99	77-122
Tetrachloroethene (PCE)	50.8	50.0	102	74-127
2-Hexanone	268	250	107	65-149
Dibromochloromethane	51.5	50.0	103	80-121
1,2-Dibromoethane (EDB)	52.7	50.0	105	80-122

flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: JA Jones Management Services
Project: NSB Kings Bay, GA/Site 11
Sample Matrix: Water

Service Request: J2300220
Date Extracted: 02/11/2003
Date Analyzed: 02/11/2003

Lab Control Spike Summary
Volatile Organic Compounds by GC/MS

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: JWG0300314

	Lab Control Sample JWG0300314-3 Lab Control Spike			
Analyte Name	**Result**	**Expected**	**%Rec**	**%Rec Limits**
Chlorobenzene	51.7	50.0	103	87-117
1,1,1,2-Tetrachloroethane	52.8	50.0	106	83-118
Ethylbenzene	53.2	50.0	106	88-125
m,p-Xylenes	107	100	107	89-122
o-Xylene	53.6	50.0	107	83-127
Styrene	55.8	50.0	112	83-127
Bromoform	55.3	50.0	111	60-132
1,1,2,2-Tetrachloroethane	51.8	50.0	104	65-139
1,2,3-Trichloropropane	50.3	50.0	101	70-130
trans-1,4-Dichloro-2-butene	54.5	50.0	109	11-164
1,3-Dichlorobenzene	51.2	50.0	102	83-119
Dichlorobenzene	50.5	50.0	101	84-117
Dichlorobenzene	50.9	50.0	102	82-122
1,2-Dibromo-3-chloropropane (DBCP	49.4	50.0	99	55-143
Naphthalene	53.2	50.0	106	43-163

flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: JA Jones Management Services
Project : NSB Kings Bay, GA/Site 11
Sample Matrix: Water

Service Request: J2300220
Date Extracted: 02/11/2003
Date Analyzed: 02/11/2003
Time Analyzed: 16:40

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: JWG0300314-4

File ID: J:\MS52\DATA\MS523B11.B\0211-15.D
Instrument ID: MS52.i

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low
Extraction Lot: JWG0300314

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	JWG0300314-3	J:\MS52\DATA\MS523B11.B\MS523B11R.B\0211-1	02/11/03	15:19
KBA-11-13A-FEB-5-03MS	JWG0300314-1	J:\MS52\DATA\MS523B11.B\0211-13.D	02/11/03	15:46
KBA-11-13A-FEB-5-03DMS	JWG0300314-2	J:\MS52\DATA\MS523B11.B\0211-14.D	02/11/03	16:13
KBA-11-16-FEB-5-03	J2300220-001	J:\MS52\DATA\MS523B11.B\0211-17.D	02/11/03	17:35
KBA-11-37-FEB-5-03	J2300220-002	J:\MS52\DATA\MS523B11.B\0211-18.D	02/11/03	18:02
KBA-11-PS2-FEB-5-03	J2300220-003	J:\MS52\DATA\MS523B11.B\0211-19.D	02/11/03	18:29
KBA-11-34-FEB-5-03	J2300220-004	J:\MS52\DATA\MS523B11.B\0211-20.D	02/11/03	18:56
KBA-11-13A-FEB-5-03	J2300220-005	J:\MS52\DATA\MS523B11.B\0211-21.D	02/11/03	19:24
KBA-11-13A-FEB-5-03 DUP	J2300220-006	J:\MS52\DATA\MS523B11.B\0211-22.D	02/11/03	19:51
KBA-11-13A-FEB-5-03 Rinsate	J2300220-007	J:\MS52\DATA\MS523B11.B\0211-23.D	02/11/03	20:18
11-13A-FEB-5-3 Field Blank	J2300220-008	J:\MS52\DATA\MS523B11.B\0211-24.D	02/11/03	20:45

Client: JA Jones Management Services
Project: NSB Kings Bay, GA/Site 11
Sample Matrix: Water

Service Request: J2300220
Date Extracted: 02/11/2003
Date Analyzed: 02/11/2003
Time Analyzed: 15:19

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample
Lab Code: JWG0300314-3

File ID: J:\MS52\DATA\MS523B11.B\MS523B11R.B\
Instrument ID: MS52.i

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low
Extraction Lot: JWG0300314

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
KBA-11-13A-FEB-5-03MS	JWG0300314-1	J:\MS52\DATA\MS523B11.B\0211-13.D	02/11/03	15:46
KBA-11-13A-FEB-5-03DMS	JWG0300314-2	J:\MS52\DATA\MS523B11.B\0211-14.D	02/11/03	16:13
Method Blank	JWG0300314-4	J:\MS52\DATA\MS523B11.B\0211-15.D	02/11/03	16:40
KBA-11-16-FEB-5-03	J2300220-001	J:\MS52\DATA\MS523B11.B\0211-17.D	02/11/03	17:35
KBA-11-37-FEB-5-03	J2300220-002	J:\MS52\DATA\MS523B11.B\0211-18.D	02/11/03	18:02
KBA-11-PS2-FEB-5-03	J2300220-003	J:\MS52\DATA\MS523B11.B\0211-19.D	02/11/03	18:29
KBA-11-34-FEB-5-03	J2300220-004	J:\MS52\DATA\MS523B11.B\0211-20.D	02/11/03	18:56
KBA-11-13A-FEB-5-03	J2300220-005	J:\MS52\DATA\MS523B11.B\0211-21.D	02/11/03	19:24
KBA-11-13A-FEB-5-03 DUP	J2300220-006	J:\MS52\DATA\MS523B11.B\0211-22.D	02/11/03	19:51
KBA-11-13A-FEB-5-03 Rinsate	J2300220-007	J:\MS52\DATA\MS523B11.B\0211-23.D	02/11/03	2[illegible]
-11-13A-FEB-5-3 Field Blank	J2300220-008	J:\MS52\DATA\MS523B11.B\0211-24.D	02/11/03	2[illegible]

Client: JA Jones Management Services
Project: NSB Kings Bay, GA/Site 11

Service Request: J2300220
Date Analyzed: 02/11/2003
Time Analyzed: 10:20

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: \\JAX1\ORGANICS\MS52\DATA\MS523B11.B\0211-01.D
Instrument ID: MS52.i
Column:

Analysis Method: 8260B
Analysis Lot: JWG0300312

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	19.3	9558	PASS
75	95	30	60	50.3	24888	PASS
95	95	100	100	100.0	49504	PASS
96	95	5	9	7.0	3443	PASS
173	174	0	2	0.3	110	PASS
174	95	50	120	82.7	40920	PASS
175	174	5	9	7.3	3001	PASS
176	174	95	101	96.4	39448	PASS
177	176	5	9	6.3	2502	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	JWG0300312-12	J:\MS52\DATA\MS523B11.B\MS523	02/11/2003	13:03	
Lab Control Sample	JWG0300314-3	J:\MS52\DATA\MS523B11.B\MS523	02/11/2003	15:19	
-11-13A-FEB-5-03MS	JWG0300314-1	J:\MS52\DATA\MS523B11.B\0211-1	02/11/2003	15:46	
-11-13A-FEB-5-03DMS	JWG0300314-2	J:\MS52\DATA\MS523B11.B\0211-1	02/11/2003	16:13	
Method Blank	JWG0300314-4	J:\MS52\DATA\MS523B11.B\0211-1	02/11/2003	16:40	
KBA-11-16-FEB-5-03	J2300220-001	J:\MS52\DATA\MS523B11.B\0211-1	02/11/2003	17:35	
KBA-11-37-FEB-5-03	J2300220-002	J:\MS52\DATA\MS523B11.B\0211-1	02/11/2003	18:02	
KBA-11-PS2-FEB-5-03	J2300220-003	J:\MS52\DATA\MS523B11.B\0211-1	02/11/2003	18:29	
KBA-11-34-FEB-5-03	J2300220-004	J:\MS52\DATA\MS523B11.B\0211-2	02/11/2003	18:56	
KBA-11-13A-FEB-5-03	J2300220-005	J:\MS52\DATA\MS523B11.B\0211-2	02/11/2003	19:24	
KBA-11-13A-FEB-5-03 DUP	J2300220-006	J:\MS52\DATA\MS523B11.B\0211-2	02/11/2003	19:51	
KBA-11-13A-FEB-5-03 Rinsate	J2300220-007	J:\MS52\DATA\MS523B11.B\0211-2	02/11/2003	20:18	
KBA-11-13A-FEB-5-3 Field Blank	J2300220-008	J:\MS52\DATA\MS523B11.B\0211-2	02/11/2003	20:45	

I lagged with an asterisk (*) indicate the analysis performed outside specified tune window

Client: JA Jones Management Services
Project: NSB Kings Bay, GA/Site 11

Service Request: J2300220
ICAL Date: 02/11/2003

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

ICAL ID: CAL406
Instrument ID: MS52.i

Column: DB-624

Level ID	File ID	Level ID	File ID
A	\\JAX1\Organics\MS52\DATA\Ms523B11.b\0211-03.D	E	\\JAX1\Organics\MS52\DATA\Ms523B11.b\0211-07.D
B	\\JAX1\Organics\MS52\DATA\Ms523B11.b\0211-04.D	F	\\JAX1\Organics\MS52\DATA\Ms523B11.b\0211-08.D
C	\\JAX1\Organics\MS52\DATA\Ms523B11.b\0211-05.D	G	\\JAX1\Organics\MS52\DATA\Ms523B11.b\0211-09.D
D	\\JAX1\Organics\MS52\DATA\Ms523B11.b\0211-06.D	H	\\JAX1\Organics\MS52\DATA\Ms523B11.b\0211-10.D

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Dichlorodifluoromethane	A	1.0	0.247	B	2.0	0.290	C	5.0	0.335	D	20	0.361	E	50	0.345
	F	100	0.317	G	150	0.316	H	200	0.311						
† Chloromethane	A	1.0	0.475	B	2.0	0.489	C	5.0	0.455	D	20	0.453	E	50	0.455
	F	100	0.415	G	150	0.412	H	200	0.385						
‡ Vinyl Chloride	A	1.0	0.349	B	2.0	0.389	C	5.0	0.373	D	20	0.398	E	50	0.393
	F	100	0.369	G	150	0.363	H	200	0.353						
Bromomethane	A	1.0	0.233	B	2.0	0.235	C	5.0	0.216	D	20	0.230	E	50	0.222
	F	100	0.209	G	150	0.212	H	200	0.199						
Chloroethane	A	1.0	0.204	B	2.0	0.227	C	5.0	0.216	D	20	0.227	E	50	0.219
	F	100	0.200	G	150	0.196	H	200	0.196						
‡ ıloro[illegible]fluoromethane	A	1.0	0.407	B	2.0	0.458	C	5.0	0.429	D	20	0.473	E	50	[illegible]0
	F	100	0.432	G	150	0.434	H	200	0.429						
1,1-Dichloroethene	A	1.0	0.229	B	2.0	0.238	C	5.0	0.233	D	20	0.235	E	50	0.231
	F	100	0.216	G	150	0.222	H	200	0.229						
Acetone				B	10	0.0903	C	25	0.0744	D	100	0.0737	E	250	0.0727
	F	500	0.0682	G	750	0.0645	H	1000	0.0665						
Iodomethane (Methyl Iodide)	A	5.0	0.379	B	10	0.376	C	25	0.355	D	100	0.366	E	250	0.376
	F	500	0.355	G	750	0.364	H	1000	0.369						
Carbon Disulfide	A	5.0	0.835	B	10	0.850	C	25	0.842	D	100	0.826	E	250	0.846
	F	500	0.778	G	750	0.771	H	1000	0.759						
Methylene Chloride							C	5.0	0.360	D	20	0.299	E	50	0.288
	F	100	0.270	G	150	0.267	H	200	0.278						
trans-1,2-Dichloroethene	A	1.0	0.259	B	2.0	0.259	C	5.0	0.249	D	20	0.259	E	50	0.262
	F	100	0.244	G	150	0.251	H	200	0.256						
1,1-Dichloroethane	A	1.0	0.529	B	2.0	0.552	C	5.0	0.531	D	20	0.552	E	50	0.526
	F	100	0.498	G	150	0.498	H	200	0.493						
Vinyl Acetate	A	5.0	0.402	B	10	0.429	C	25	0.417	D	100	0.443	E	250	0.439
	F	500	0.393	G	750	0.398	H	1000	0.377						

F flagged with an asterisk (*) indicate values outside control criteria.
† SPCC Compound ‡ CCC Compound

Client: JA Jones Management Services
Project: NSB Kings Bay, GA/Site 11

Service Request: J2300220
ICAL Date: 02/11/2003

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

ICAL ID: CAL406
Instrument ID: MS52.i

Column: DB-624

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
cis-1,2-Dichloroethene	A	1.0	0.278	B	2.0	0.296	C	5.0	0.291	D	20	0.295	E	50	0.291
	F	100	0.285	G	150	0.288	H	200	0.286						
2-Butanone (MEK)	A	5.0	0.0994	B	10	0.108	C	25	0.0947	D	100	0.111	E	250	0.108
	F	500	0.108	G	750	0.101	H	1000	0.0990						
Bromochloromethane	A	1.0	0.121	B	2.0	0.132	C	5.0	0.130	D	20	0.137	E	50	0.132
	F	100	0.130	G	150	0.134	H	200	0.132						
Methacrylonitrile	A	1.0	0.0654	B	2.0	0.0714	C	5.0	0.0792	D	20	0.0935	E	50	0.0962
	F	100	0.100	G	150	0.0958	H	200	0.0941						
‡ Chloroform	A	1.0	0.503	B	2.0	0.552	C	5.0	0.499	D	20	0.533	E	50	0.517
	F	100	0.519	G	150	0.497	H	200	0.475						
1,1,1-Trichloroethane (TCA)	A	1.0	0.421	B	2.0	0.457	C	5.0	0.442	D	20	0.457	E	50	0.466
	F	100	0.447	G	150	0.451	H	200	0.440						
Carbon Tetrachloride	A	1.0	0.370	B	2.0	0.374	C	5.0	0.379	D	20	0.402	E	50	0.415
	F	100	0.402	G	150	0.407	H	200	0.398						
Benzene	A	1.0	1.13	B	2.0	1.17	C	5.0	1.13	D	20	1.14	E	50	1.16
	F	100	1.11	G	150	1.11	H	200	1.06						
1,2-Dichloroethane (EDC)	A	1.0	0.369	B	2.0	0.425	C	5.0	0.412	D	20	0.432	E	50	0.438
	F	100	0.415	G	150	0.408	H	200	0.394						
Trichloroethene (TCE)	A	1.0	0.252	B	2.0	0.280	C	5.0	0.258	D	20	0.269	E	50	0.277
	F	100	0.265	G	150	0.274	H	200	0.283						
1,2-Dichloropropane	A	1.0	0.291	B	2.0	0.313	C	5.0	0.299	D	20	0.312	E	50	0.313
	F	100	0.290	G	150	0.297	H	200	0.295						
Dibromomethane	A	1.0	0.352	B	2.0	0.336	C	5.0	0.356	D	20	0.362	E	50	0.338
	F	100	0.345	G	150	0.346	H	200	0.347						
Bromodichloromethane	A	1.0	0.377	B	2.0	0.399	C	5.0	0.369	D	20	0.404	E	50	0.410
	F	100	0.387	G	150	0.402	H	200	0.402						
cis-1,3-Dichloropropene	A	1.0	0.878	B	2.0	0.953	C	5.0	0.958	D	20	1.05	E	50	1.02
	F	100	1.03	G	150	1.04	H	200	1.04						
4-Methyl-2-pentanone (MIBK)	A	5.0	0.448	B	10	0.485	C	25	0.488	D	100	0.553	E	250	0.532
	F	500	0.520	G	750	0.474	H	1000	0.464						
† Toluene	A	1.0	2.54	B	2.0	2.57	C	5.0	2.56	D	20	2.77	E	50	2.66
	F	100	2.56	G	150	2.58	H	200	2.49						
trans-1,3-Dichloropropene	A	1.0	0.790	B	2.0	0.802	C	5.0	0.855	D	20	0.980	E	50	0.969
	F	100	0.981	G	150	0.974	H	200	0.979						

F flagged with an asterisk (*) indicate values outside control criteria.

† [illegible]C Compound ‡ CCC Compound

Client: JA Jones Management Services
Project: NSB Kings Bay, GA/Site 11

Service Request: J2300220
ICAL Date: 02/11/2003

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

ICAL ID: CAL406
Instrument ID: MS52.i

Column: DB-624

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
1,1,2-Trichloroethane	A	1.0	0.520	B	2.0	0.511	C	5.0	0.489	D	20	0.513	E	50	0.508
	F	100	0.504	G	150	0.504	H	200	0.505						
Tetrachloroethene (PCE)	A	1.0	0.478	B	2.0	0.476	C	5.0	0.505	D	20	0.512	E	50	0.502
	F	100	0.501	G	150	0.508	H	200	0.511						
2-Hexanone	A	5.0	0.278	B	10	0.317	C	25	0.303	D	100	0.356	E	250	0.358
	F	500	0.349	G	750	0.313	H	1000	0.305						
Dibromochloromethane	A	1.0	0.399	B	2.0	0.441	C	5.0	0.428	D	20	0.466	E	50	0.482
	F	100	0.494	G	150	0.486	H	200	0.505						
1,2-Dibromoethane (EDB)	A	1.0	0.454	B	2.0	0.458	C	5.0	0.467	D	20	0.493	E	50	0.506
	F	100	0.508	G	150	0.507	H	200	0.514						
† Chlorobenzene	A	1.0	1.72	B	2.0	1.75	C	5.0	1.69	D	20	1.64	E	50	1.64
	F	100	1.64	G	150	1.64	H	200	1.65						
1,1,1,2-Tetrachloroethane	A	1.0	0.565	B	2.0	0.606	C	5.0	0.609	D	20	0.615	E	50	0.631
	F	100	0.639	G	150	0.645	H	200	0.657						
‡ Ethylbenzene	A	1.0	2.71	B	2.0	2.87	C	5.0	2.95	D	20	2.94	E	50	3.00
	F	100	2.97	G	150	2.96	H	200	2.85						
m,p-Xylenes	A	2.0	2.08	B	4.0	2.19	C	10	2.26	D	40	2.31	E	100	2.36
	F	200	2.32	G	300	2.22	H	400	2.03						
o-Xylene	A	1.0	2.08	B	2.0	2.13	C	5.0	2.27	D	20	2.38	E	50	2.47
	F	100	2.45	G	150	2.42	H	200	2.29						
Styrene	A	1.0	1.35	B	2.0	1.56	C	5.0	1.65	D	20	1.83	E	50	1.91
	F	100	1.93	G	150	1.91	H	200	1.82						
† Bromoform	A	1.0	0.339	B	2.0	0.398	C	5.0	0.371	D	20	0.417	E	50	0.434
	F	100	0.463	G	150	0.474	H	200	0.486						
† 1,1,2,2-Tetrachloroethane	A	1.0	0.614	B	2.0	0.664	C	5.0	0.583	D	20	0.599	E	50	0.586
	F	100	0.579	G	150	0.563	H	200	0.563						
1,2,3-Trichloropropane	A	1.0	0.223	B	2.0	0.214	C	5.0	0.211	D	20	0.201	E	50	0.200
	F	100	0.206	G	150	0.203	H	200	0.205						
trans-1,4-Dichloro-2-butene	A	1.0	0.153	B	2.0	0.194	C	5.0	0.172	D	20	0.200	E	50	0.206
	F	100	0.212	G	150	0.206	H	200	0.204						
1,3-Dichlorobenzene	A	1.0	1.41	B	2.0	1.50	C	5.0	1.46	D	20	1.46	E	50	1.47
	F	100	1.50	G	150	1.46	H	200	1.49						
1,4-Dichlorobenzene	A	1.0	1.51	B	2.0	1.62	C	5.0	1.49	D	20	1.45	E	50	1.51
	F	100	1.51	G	150	1.49	H	200	1.48						

s flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound ‡ CCC Compound

Client: JA Jones Management Services
Project: NSB Kings Bay, GA/Site 11

Service Request: J2300220
ICAL Date: 02/11/2003

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

ICAL ID: CAL406
Instrument ID: MS52.i

Column: DB-624

Analyte Name	Compound Type	Calibration Evaluation					RRF Evaluation		
		Fit Type	Eval.	Eval. Result	Q	Control Criteria	Average RRF	Q	Minimum RRF
† Bromoform	MS	AverageRF	% RSD	12.2		≤ 15	0.423		0.1
† 1,1,2,2-Tetrachloroethane	MS	AverageRF	% RSD	5.5		≤ 15	0.594		0.3
1,2,3-Trichloropropane	MS	AverageRF	% RSD	3.7		≤ 15	0.208		0.01
trans-1,4-Dichloro-2-butene	MS	AverageRF	% RSD	10.5		≤ 15	0.193		0.01
1,3-Dichlorobenzene	MS	AverageRF	% RSD	2.0		≤ 15	1.47		0.01
1,4-Dichlorobenzene	MS	AverageRF	% RSD	3.4		≤ 15	1.51		0.01
1,2-Dichlorobenzene	MS	AverageRF	% RSD	2.7		≤ 15	1.38		0.01
1,2-Dibromo-3-chloropropane (DBCP)	MS	AverageRF	% RSD	6.2		≤ 15	0.109		0.01
Naphthalene	MS	AverageRF	% RSD	8.3		≤ 15	1.56		0.01
1,2-Dichloroethane-d4	SURR	AverageRF	% RSD	3.9		≤ 15	0.323		
4-Bromofluorobenzene	SURR	AverageRF	% RSD	1.9		≤ 15	0.993		
Dibromofluoromethane	SURR	AverageRF	% RSD	3.5		≤ 15	0.250		
Toluene-d8	SURR	AverageRF	% RSD	3.8		≤ 15	1.94		

Flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound ‡ CCC Compound

Client: JA Jones Management Services
Project: NSB Kings Bay, GA/Site 11

Service Request: J2300220
ICAL Date: 02/11/2003
Date Analyzed: 02/11/2003

Second Source Calibration Verification
Volatile Organic Compounds by GC/MS

ICAL Type: Internal Standard
Analysis Method: 8260B

ICAL ID: CAL406
Units: ug/L

File ID: \\JAX1\Organics\MS52\DATA\Ms523B11.b\0211-12.D

Column ID: DB-624

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Dichlorodifluoromethane	50	50	0.315	0.317	0	NA	± 30 %	AverageRF
Chloromethane	50	47	0.442	0.418	-6	NA	± 30 %	AverageRF
Vinyl Chloride	50	50	0.373	0.374	0	NA	± 30 %	AverageRF
Bromomethane	50	51	0.220	0.224	2	NA	± 30 %	AverageRF
Chloroethane	50	53	0.211	0.224	7	NA	± 30 %	AverageRF
Trichlorofluoromethane	50	50	0.440	0.436	-1	NA	± 30 %	AverageRF
‡ 1,1-Dichloroethene	50	51	0.229	0.232	1	NA	± 30 %	AverageRF
Acetone	250	240	0.0729	0.0689	-5	NA	± 30 %	AverageRF
Iodomethane (Methyl Iodide)	250	250	0.368	0.374	2	NA	± 30 %	AverageRF
Carbon Disulfide	250	250	0.813	0.824	1	NA	± 30 %	AverageRF
Methylene Chloride	50	49	0.294	0.287	-2	NA	± 30 %	AverageRF
trans-1,2-Dichloroethene	50	53	0.255	0.269	5	NA	± 30 %	AverageRF
1,1-Dichloroethane	50	49	0.522	0.512	-2	NA	± 30 %	AverageRF
Vinyl Acetate	250	300	0.412	0.500	21	NA	± 30 %	AverageRF
cis-1,2-Dichloroethene	50	52	0.289	0.299	4	NA	± 30 %	AverageRF
2 tanone (MEK)	250	250	0.104	0.105	1	NA	± 30 %	Avera
nochloromethane	50	53	0.131	0.139	6	NA	± 30 %	AverageRF
Methacrylonitrile	50	58	0.0870	0.100	15	NA	± 30 %	AverageRF
Chloroform	50	50	0.512	0.507	-1	NA	± 30 %	AverageRF
1,1,1-Trichloroethane (TCA)	50	51	0.448	0.454	1	NA	± 30 %	AverageRF
Carbon Tetrachloride	50	51	0.393	0.402	2	NA	± 30 %	AverageRF
Benzene	50	50	1.12	1.13	1	NA	± 30 %	AverageRF
1,2-Dichloroethane (EDC)	50	49	0.412	0.402	-2	NA	± 30 %	AverageRF
Trichloroethene (TCE)	50	50	0.270	0.272	1	NA	± 30 %	AverageRF
‡ 1,2-Dichloropropane	50	50	0.301	0.300	0	NA	± 30 %	AverageRF
Dibromomethane	50	51	0.348	0.356	2	NA	± 30 %	AverageRF
Bromodichloromethane	50	50	0.394	0.392	0	NA	± 30 %	AverageRF
cis-1,3-Dichloropropene	50	53	0.996	1.05	6	NA	± 30 %	AverageRF
4-Methyl-2-pentanone (MIBK)	250	270	0.496	0.527	6	NA	± 30 %	AverageRF
Toluene	50	50	2.59	2.62	1	NA	± 30 %	AverageRF
trans-1,3-Dichloropropene	50	52	0.916	0.953	4	NA	± 30 %	AverageRF
1,1,2-Trichloroethane	50	49	0.507	0.501	-1	NA	± 30 %	AverageRF
Tetrachloroethene (PCE)	50	51	0.499	0.507	2	NA	± 30 %	AverageRF
2-Hexanone	250	270	0.322	0.346	7	NA	± 30 %	AverageRF
Dibromochloromethane	50	52	0.463	0.477	3	NA	± 30 %	AverageRF
1,2-Dibromoethane (EDB)	50	53	0.488	0.515	5	NA	± 30 %	AverageRF
Chlorobenzene	50	52	1.67	1.73	3	NA	± 30 %	AverageRF
1,1,1,2-Tetrachloroethane	50	53	0.621	0.656	6	NA	± 30 %	AverageRF
Ethylbenzene	50	53	2.91	3.09	6	NA	± 30 %	AverageRF
m,p-Xylenes	100	110	2.22	2.38	7	NA	± 30 %	AverageRF

P . flagged with an asterisk (*) indicate values outside control criteria.

† . CC Compound ‡ CCC Compound

Client: JA Jones Management Services
Project: NSB Kings Bay, GA/Site 11

Service Request: J2300220
ICAL Date: 02/11/2003
Date Analyzed: 02/11/2003

Second Source Calibration Verification
Volatile Organic Compounds by GC/MS

ICAL Type: Internal Standard
Analysis Method: 8260B

ICAL ID: CAL406
Units: ug/L

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
o-Xylene	50	54	2.31	2.48	7	NA	± 30 %	AverageRF
Styrene	50	56	1.74	1.94	12	NA	± 30 %	AverageRF
† Bromoform	50	55	0.423	0.468	11	NA	± 30 %	AverageRF
1,1,2,2-Tetrachloroethane	50	52	0.594	0.615	4	NA	± 30 %	AverageRF
1,2,3-Trichloropropane	50	50	0.208	0.209	1	NA	± 30 %	AverageRF
trans-1,4-Dichloro-2-butene	50	55	0.193	0.211	9	NA	± 30 %	AverageRF
1,3-Dichlorobenzene	50	51	1.47	1.50	2	NA	± 30 %	AverageRF
1,4-Dichlorobenzene	50	51	1.51	1.52	1	NA	± 30 %	AverageRF
1,2-Dichlorobenzene	50	51	1.38	1.41	2	NA	± 30 %	AverageRF
1,2-Dibromo-3-chloropropane (DBCP	50	49	0.109	0.107	-1	NA	± 30 %	AverageRF
Naphthalene	50	53	1.56	1.66	6	NA	± 30 %	AverageRF

F lagged with an asterisk (*) indicate values outside control criteria.
† CC Compound ‡ CCC Compound

Client: JA Jones Management Services
Project: NSB Kings Bay, GA/Site 11

Service Request: J2300220
Date Analyzed: 02/11/2003

Continuing Calibration Verification Summary
Volatile Organic Compounds by GC/MS

ICAL Type: Internal Standard
Analysis Method: 8260B

ICAL Date: 02/11/2003
ICAL ID: CAL406
Analysis Lot: JWG0300312
Units: ug/L

File ID: \\JAX1\ORGANICS\MS52\DATA\MS523B11.B\MS523B11R.B\0211-07.D

Column ID: DB-624

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Dichlorodifluoromethane	50	55	0.01	0.315	0.345	10	NA	± 30 %	AverageRF
Chloromethane	50	51	0.1	0.442	0.455	3	NA	± 30 %	AverageRF
Vinyl Chloride	50	53	0.01	0.373	0.393	5	NA	± 20 %	AverageRF
Bromomethane	50	50	0.01	0.220	0.222	1	NA	± 30 %	AverageRF
Chloroethane	50	52	0.01	0.211	0.219	4	NA	± 30 %	AverageRF
Trichlorofluoromethane	50	52	0.01	0.440	0.460	4	NA	± 30 %	AverageRF
† 1,1-Dichloroethene	50	50	0.01	0.229	0.231	1	NA	± 20 %	AverageRF
Acetone	250	250	0.01	0.0729	0.0727	0	NA	± 30 %	AverageRF
Iodomethane (Methyl Iodide)	250	260	0.01	0.368	0.376	2	NA	± 30 %	AverageRF
Carbon Disulfide	250	260	0.01	0.813	0.846	4	NA	± 30 %	AverageRF
Methylene Chloride	50	49	0.01	0.294	0.288	-2	NA	± 30 %	AverageRF
trans-1,2-Dichloroethene	50	51	0.01	0.255	0.262	3	NA	± 30 %	AverageRF
1,1-Dichloroethane	50	50	0.1	0.522	0.526	1	NA	± 30 %	AverageRF
Vinyl Acetate	250	270	0.01	0.412	0.439	6	NA	± 30 %	Averag[illegible]
[illegible] 2-Dichloroethene	50	50	0.01	0.289	0.291	1	NA	± 30 %	Avera[illegible]
[illegible]tanone (MEK)	250	260	0.01	0.104	0.108	4	NA	± 30 %	AverageRF
Bromochloromethane	50	50	0.01	0.131	0.132	1	NA	± 30 %	AverageRF
Methacrylonitrile	50	55	0.01	0.0870	0.0962	11	NA	± 30 %	AverageRF
Chloroform	50	50	0.01	0.512	0.517	1	NA	± 20 %	AverageRF
1,1,1-Trichloroethane (TCA)	50	52	0.01	0.448	0.466	4	NA	± 30 %	AverageRF
Carbon Tetrachloride	50	53	0.01	0.393	0.415	5	NA	± 30 %	AverageRF
Benzene	50	52	0.01	1.12	1.16	3	NA	± 30 %	AverageRF
1,2-Dichloroethane (EDC)	50	53	0.01	0.412	0.438	6	NA	± 30 %	AverageRF
Trichloroethene (TCE)	50	51	0.01	0.270	0.277	3	NA	± 30 %	AverageRF
1,2-Dichloropropane	50	52	0.01	0.301	0.313	4	NA	± 20 %	AverageRF
Dibromomethane	50	49	0.01	0.348	0.338	-3	NA	± 30 %	AverageRF
Bromodichloromethane	50	52	0.01	0.394	0.410	4	NA	± 30 %	AverageRF
cis-1,3-Dichloropropene	50	51	0.01	0.996	1.02	2	NA	± 30 %	AverageRF
4-Methyl-2-pentanone (MIBK)	250	270	0.01	0.496	0.532	7	NA	± 30 %	AverageRF
‡ Toluene	50	51	0.01	2.59	2.66	3	NA	± 20 %	AverageRF
trans-1,3-Dichloropropene	50	53	0.01	0.916	0.969	6	NA	± 30 %	AverageRF
1,1,2-Trichloroethane	50	50	0.01	0.507	0.508	0	NA	± 30 %	AverageRF
Tetrachloroethene (PCE)	50	50	0.01	0.499	0.502	1	NA	± 30 %	AverageRF
2-Hexanone	250	280	0.01	0.322	0.358	11	NA	± 30 %	AverageRF
Dibromochloromethane	50	52	0.01	0.463	0.482	4	NA	± 30 %	AverageRF
1,2-Dibromoethane (EDB)	50	52	0.01	0.488	0.506	4	NA	± 30 %	AverageRF
† Chlorobenzene	50	49	0.3	1.67	1.64	-2	NA	± 30 %	AverageRF
1,1,1,2-Tetrachloroethane	50	51	0.01	0.621	0.631	2	NA	± 30 %	AverageRF
Ethylbenzene	50	52	0.01	2.91	3.00	3	NA	± 20 %	AverageRF

F flagged with an asterisk (*) indicate values outside control criteria.

[illegible]C Compound ‡ CCC Compound

Client: JA Jones Management Services
Project: NSB Kings Bay, GA/Site 11

Service Request: J2300220
Date Analyzed: 02/11/2003

Continuing Calibration Verification Summary
Volatile Organic Compounds by GC/MS

ICAL Type: Internal Standard
Analysis Method: 8260B

ICAL Date: 02/11/2003
ICAL ID: CAL406
Analysis Lot: JWG0300312
Units: ug/L

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
m,p-Xylenes	100	110	0.01	2.22	2.36	6	NA	± 30 %	AverageRF
o-Xylene	50	53	0.01	2.31	2.47	7	NA	± 30 %	AverageRF
Styrene	50	55	0.01	1.74	1.91	9	NA	± 30 %	AverageRF
† Bromoform	50	51	0.1	0.423	0.434	3	NA	± 30 %	AverageRF
† 1,1,2,2-Tetrachloroethane	50	49	0.3	0.594	0.586	-1	NA	± 30 %	AverageRF
1,2,3-Trichloropropane	50	48	0.01	0.208	0.200	-4	NA	± 30 %	AverageRF
trans-1,4-Dichloro-2-butene	50	53	0.01	0.193	0.206	6	NA	± 30 %	AverageRF
1,3-Dichlorobenzene	50	50	0.01	1.47	1.47	0	NA	± 30 %	AverageRF
1,4-Dichlorobenzene	50	50	0.01	1.51	1.51	0	NA	± 30 %	AverageRF
1,2-Dichlorobenzene	50	49	0.01	1.38	1.36	-1	NA	± 30 %	AverageRF
1,2-Dibromo-3-chloropropane (DBCP	50	47	0.01	0.109	0.102	-6	NA	± 30 %	AverageRF
Naphthalene	50	50	0.01	1.56	1.56	0	NA	± 30 %	AverageRF
1,2-Dichloroethane-d4	50	51		0.323	0.332	3	NA	± 30 %	AverageRF
4-Bromofluorobenzene	50	49		0.993	0.966	-3	NA	± 30 %	AverageRF
Dibromofluoromethane	50	50		0.250	0.251	0	NA	± 30 %	AverageRF
T ·ene-d8	50	51		1.94	1.97	1	NA	± 30 %	AverageRF

F lagged with an asterisk (*) indicate values outside control criteria.
† _ Compound ‡ CCC Compound

Client: JA Jones Management Services

Project: NSB Kings Bay, GA/Site 11

QA/QC Results

Service Reques 23

Analysis Method: 8260B

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Lot: JWG0
Instrument ID: MS52.
Column: DB-62

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	I
\0211-01.D	GC/MS Tuning - Generic	JWG0300312-1	2/11/2003	10:20		2/11/2003	1
\0211-02.D	Instrument Blank	JWG0300312-2	2/11/2003	10:47		2/11/2003	1
\0211-03.D	ZZZZZZ	ZZZZZZ	2/11/2003	11:14		2/11/2003	11
\0211-04.D	ZZZZZZ	ZZZZZZ	2/11/2003	11:41		2/11/2003	11.
\0211-05.D	ZZZZZZ	ZZZZZZ	2/11/2003	12:08		2/11/2003	12:
\0211-06.D	ZZZZZZ	ZZZZZZ	2/11/2003	12:35		2/11/2003	12:
\0211-07.D	ZZZZZZ	JWG0300312-12	2/11/2003	13:03		2/11/2003	13:1
\0211-07.D	Continuing Calibration Verification	ZZZZZZ	2/11/2003	13:03		2/11/2003	13:1
\0211-08.D	ZZZZZZ	ZZZZZZ	2/11/2003	13:30		2/11/2003	13:4
\0211-09.D	ZZZZZZ	ZZZZZZ	2/11/2003	13:57		2/11/2003	12
\0211-10.D	Lab Control Sample	JWG0300314-3	2/11/2003	14:24		2/11/2003	:39
\0211-12.D	ZZZZZZ	ZZZZZZ	2/11/2003	15:19		2/11/2003	15:34
\0211-12.D	KBA-11-13A-FEB-5-03MS	JWG0300314-1	2/11/2003	15:19		2/11/2003	15:34
\ -13.D	KBA-11-13A-FEB-5-03DMS	JWG0300314-2	2/11/2003	15:46		2/11/2003	16:01
\ 1-14.D	Method Blank	JWG0300314-4	2/11/2003	16:13		2/11/2003	16:28
\0211-15.D	ZZZZZZ	ZZZZZZ	2/11/2003	16:40		2/11/2003	16:55
\0211-16.D	KBA-11-16-FEB-5-03	J2300220-001	2/11/2003	17:07		2/11/2003	17:22
\0211-17.D	KBA-11-37-FEB-5-03	J2300220-002	2/11/2003	17:35		2/11/2003	17:50
\0211-18.D	KBA-11-PS2-FEB-5-03	J2300220-003	2/11/2003	18:02		2/11/2003	18:17
\0211-19.D	KBA-11-34-FEB-5-03	J2300220-004	2/11/2003	18:29		2/11/2003	18:44
\0211-20.D	KBA-11-13A-FEB-5-03	J2300220-005	2/11/2003	18:56		2/11/2003	19:11
\0211-21.D	KBA-11-13A-FEB-5-03 DUP	J2300220-006	2/11/2003	19:24		2/11/2003	19:39
\0211-22.D	KBA-11-13A-FEB-5-03 Rinsate	J2300220-007	2/11/2003	19:51		2/11/2003	20:06
\0211-23.D	KBA-11-13A-FEB-5-3 Field Blank	J2300220-008	2/11/2003	20:18		2/11/2003	20:33
\0211-24.D	ZZZZZZ	ZZZZZZ	2/11/2003	20:45		2/11/2003	21:00
\0211-25.D			2/11/2003	21:12		2/11/2003	21:27

flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

d: 02/12/2003 15:35:50
h\Crystal.rpt\Form8.rpt

Client: JA Jones Management Services
Project: NSB Kings Bay, GA/Site 11
Sample Matrix: Water

Service Request: J2300220
Date Extracted: 02/11/2003

Extraction Prep Log
Volatile Organic Compounds by GC/MS

Extraction Method: EPA 5030B
Analysis Method: 8260B

Extraction Lot: JWG0300314
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
KBA-11-16-FEB-5-03	J2300220-001	02/05/03	02/06/03	5ml	5ml	NA	
KBA-11-37-FEB-5-03	J2300220-002	02/05/03	02/06/03	5ml	5ml	NA	
KBA-11-PS2-FEB-5-03	J2300220-003	02/05/03	02/06/03	5ml	5ml	NA	
KBA-11-34-FEB-5-03	J2300220-004	02/05/03	02/06/03	5ml	5ml	NA	
KBA-11-13A-FEB-5-03	J2300220-005	02/05/03	02/06/03	5ml	5ml	NA	
KBA-11-13A-FEB-5-03 DUP	J2300220-006	02/05/03	02/06/03	5ml	5ml	NA	
KBA-11-13A-FEB-5-03 Rins	J2300220-007	02/05/03	02/06/03	5ml	5ml	NA	
KBA-11-13A-FEB-5-3 Field B	J2300220-008	02/05/03	02/06/03	5ml	5ml	NA	
Method Blank	JWG0300314-4	NA	NA	5ml	5ml	NA	
KBA-11-13A-FEB-5-03MS	JWG0300314-1	02/05/03	02/06/03	5ml	5ml	NA	
KBA-11-13A-FEB-5-03DMS	JWG0300314-2	02/05/03	02/06/03	5ml	5ml	NA	
Lab Control Sample	JWG0300314-3	NA	NA	5ml	5ml	NA	

agged with an asterisk (*) indicate the holding time was exceeded for the analysis