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QUARTERLY GROUNDWATER MONITORING REPORT OCTOBER - DECEMBER 1999 AT SITE 11 NSB KINGS BAY GA

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BECHTEL ENVIRONMENTAL

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QUARTERLY GROUNDWATER MONITORING REPORT
October–December 1999

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

Prepared for

DEPARTMENT OF THE NAVY
SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND

Under Contract No. N62467-93-D-0936

Bechtel Job No. 22567

Prepared by

BECHTEL ENVIRONMENTAL, INC.
151 LAFAYETTE DR.
OAK RIDGE, TENNESSEE

December 1999

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BUILDING A CENTURY 1898 BECHTEL 1998

Mr. John Garner
Environmental Project Manager
Facilities Environmental Division
Code FE4
2015 Hunley Ave
Kings Bay, Georgia 315447-2606

December 20, 1999

SUBJECT: Bechtel Job No. 22567-625
Department of the Navy Contract No. N62467-93-D-0936
DO 109, Quarterly Groundwater Monitoring Report October - December 1999
Site 11, Old Camden County Landfill, Naval Subase Kings Bay, Georgia

Dear Mr. Garner:

Enclosed please find three copies of the Quarterly Groundwater Monitoring Report for Site 11. As a reminder, Dr. Francis Chapelle of the U.S. Geological Survey should be providing the Navy the accompanying report on monitoring for natural attenuation parameters at Site 11. You may also want to forward a copy to the Georgia Department of Environmental Protection.

I understand this will be the last groundwater sampling event and monitoring report from Bechtel and that J.A. Jones will now be leading this effort. We will gladly support J.A. Jones with this endevor by providing electronic files of any preveous reports or analytical databases.

It has been a pleasure assisting you with this project. If you have any questions concerning this report or need additional information please call me at 904-771-5314. Mark Gage may address any technical questions at 423-220-2889. We look forward to assisting you in the continual remediation of source area groundwater at injector I-14.

Respectfully yours,

M. A. Gage

for V. Hermann Bauer
Project Manager

Enclosure: As stated

CC: A. Robinson - 1 copy
H. Bauer - 1 copy
M. Gage - 1 copy

QUARTERLY GROUNDWATER MONITORING REPORT
OCTOBER – DECEMBER 1999

SITE 11, OLD CAMDEN COUNTY LANDFILL
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DECEMBER 1999

REVISION 0

Bechtel Job No. 22567

Rpt044

GEOLOGIST CERTIFICATION

The work described and professional opinions rendered in this document, *Quarterly Groundwater Monitoring Report July - December 1999, Site 11, Old Camden County Landfill, Naval Submarine Base Kings Bay, Georgia, December 1999, Revision 0,* 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 geologist registered in the State of Georgia.

Mark A. Gage
Professional Geologist
State of Georgia License No. 001167
Expires December 31, 1999

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ACRONYMS AND INITIALISMS

Bechtel	Bechtel Environmental, Inc.
FID	flame ionization detector
NSB	Naval Submarine Base
PID	photoionization detector

UNITS OF MEASURE

µg/L	
ft	foot
gal	gallon
ID	inner diameter
in.	inch
MSL	mean sea level
OD	outer diameter
ppm	parts per million

1.0 INTRODUCTION

Bechtel Environmental, Inc. (Bechtel) has been contracted by the Department of the Navy, Naval Facilities Command, Southern Division, to provide remedial services as the Navy's Environmental Response Action Contractor (RAC). Under Delivery Order (DO) 0109, Task 1, of Prime Contract N62467-93-D-0936, Bechtel has been contracted to conduct Interim Measures for remediation of source area contaminated groundwater and groundwater monitoring at Site 11, Old Camden County Landfill at the Naval Submarine Base (NSB) Kings Bay.

This semiannual groundwater monitoring report documents the activities, inspections, and groundwater sampling and analyses results for the period from October 1, 1999, through December 31, 1999. Section 1 of this report summarizes the field activities, inspections and results, any unusual occurrences during sampling, and actions or measures taken to resolve any problems. Section 2 presents details of the quarter's activity and includes a tabulation of both field measurements and analytical results. Section 3 includes observations and provides recommendations of any changes, repairs, maintenance, and activities for the upcoming quarter.

1.1 SUMMARY OF ACTIVITIES

Activities performed this quarter included well inspections, groundwater monitoring, and groundwater sampling and analyses. Weather conditions during this period were warm and humid, with temperatures ranging from low to mid 50s in the morning and to the upper 80s in the afternoon. Few thunderstorms occurred during this period. A site map is provided as Figure 1.

Well Inspections – All wells were inspected for above ground damage or well deterioration. Generally, all wells were structurally sound with no aboveground damage.

Well Measurements – Well measurements included headspace readings, depth to water, and total depth measurements. Headspace readings were collected using a Foxboro Model TVA-1000 organic vapor meter and water level and well depth measurements were collected using an electronic water level meter.

Groundwater Sampling – Groundwater samples were generally collected from wells in order of least contaminated to most contaminated. Groundwater samples were collected using the low-flow (minimal drawdown) method. Prior to purging, the intake of a dedicated piece of Teflon™ tubing (3/16-in. OD by ¼-in. ID) was positioned near the center of the well screen. Groundwater was then purged through the tube using a peristaltic pump, Geotech Model Geopump 2. Water quality parameters measured while purging included temperature, pH, conductivity, oxygen-reduction potential, turbidity, and dissolved oxygen. Once these parameters stabilized within 10 percent, a sample was collected and containerized for chemical analyses. Samples for groundwater protection standard analyses were collected by stopping the pump, removing the tubing from the well, reversing the flow of the pump, and gently filling the container.

2.0 DATA PRESENTATION

This section provides a summation and tabulation of all field measurements and analytical results. Field measurements include headspace readings, monitoring well measurements, and well purge data.

2.1 HEADSPACE READINGS

Table 1 presents a summary of headspace readings. Headspace readings were measured using a Foxboro Model TVA-1000 combination photoionization detection (PID) and flame ionization detection (FID) meter. PID measurements ranged from 0 to 11 ppm and FID measurements ranged from 0 to 1,100 ppm. The highest PID reading of 11 ppm was observed at offsite well KBA-11-18. Historical analytical results for this well show groundwater protection standard constituents below the detection limit. This reading most likely reflects moisture on the PID lamp. The highest FID reading of 1,100 ppm was observed at offsite well KBA-11-37. This reading may reflect the presence of chlorobenzene (3.1 μg/L dissolved concentration) or methane in the headspace.

2.2 WELL MEASUREMENT

Water level and well depth measurements were collected using an electronic meter level meter. Table 2 provides a summary of the well measurements. All measurements were made from a surveyed reference point located at the top of the well casing. Depth to water ranged from approximately 12 ft below the top of the well casing (26 ft MSL) at the source area to approximately 2 ft below the top of the casing (21 ft MSL) offsite at the Crooked River Plantation subdivision. Apparent groundwater flow is to the northwest. Figures 2 and 3 show the groundwater elevations for November 8, and August 2, 1999.

2.3 WELL PURGING PARAMETERS

Water quality parameters temperature, pH, conductivity, oxygen-reduction potential, turbidity, and dissolved oxygen were measured and recorded during purging. These parameters generally stabilized after 6 to 8 gal of groundwater were purged from the well. Table 3 provides a summary of the stabilized parameters at the time of sample collection.

2.4 ANALITICAL RESULTS

Six wells were sampled and analyzed for Groundwater Protection Standard constituents. All samples were submitted to Environmental Conservation Laboratories, Inc of Jacksonville, Florida, and were analyzed using Environmental Protection Agency (EPA) Method 8260. Table 4 shows a summary of the results for the Groundwater Protection Standard. Table 5 shows a summary of the results of the Appendix IX analyses of samples collected during the previous quarter. A tabulation of historical results and the complete analytical data report are provided in Appendix A.

Groundwater Protection Standard Analyses – Four (KBA-11-13A, KBA-11-34, KBA-11-37, and PS-2) of the six wells sampled and submitted for Groundwater Protection Standard analyses exceeded one or more of the constituent standards. The following exceedances were observed—trichloroethene, cis-1,2-dichlorethene, and vinyl chloride were exceeded in KBA-11-13A; tetrachloroethene was exceeded in KBA-11-34; chlorobenzene was exceeded in KBA-11-37; and 1,1-dichloroethane and vinyl chloride were exceeded in PS-2.

Chlorinated hydrocarbons tetrachloroethene and its degradation constituent trichloroethene, cis-dichloroethene, and vinyl chloride are the most common constituents exceeding the Groundwater Protection Standard at Site 11. Tetrachloroethene was the only constituent exceeding the Groundwater Protection Standard at source area well KBA-11-34.

Immediately downgradient to the source area at well KBA-11-13A, tetrachloroethene and trichloroethene have decreased below the standard and cis-1,2-dichloroethene and vinyl chloride remain above the

standard (Figures 4 and 5). There is a slight increase in cis-1,2-dichloroethene and vinyl chloride at KBA-11-13A; however, the concentrations should decrease as treated groundwater from the source area moves through the vicinity of KBA-11-13A. Chlorobenzene in KBA-11-13A also exceeds the Groundwater Protection Standard.

Piezometer PS-2 continues to show detectable levels of chlorinated and volatile compounds and exceeds the standard for 1,1-dichloroethene and vinyl chloride.

Offsite well KBA-11-37 shows detectable levels of both chlorinated and volatile compounds with only chlorobenzene exceeding the standard.

Offsite well KBA-11-16 showed detectable concentrations of cis-1,2-dichloroethene, 1,1-dichloroethane, and vinyl chloride. However, none of these constituents exceeded the standard.

Onsite well KBA-11-02 showed all constituents as none detected.

Appendix IX Analyses – Wells requiring Appendix IX analyses were not sampled this quarter in accordance with the Groundwater Monitoring Plan. Table 5 summarizes the results of Appendix IX analyses from the previous quarter.

2.5 GROUNDWATER RECOVERY AND TREATMENT SYSTEM

The groundwater recovery and treatment system was not operational during this quarter. Therefore no sampling and analyses of the effluent was required.

3.0 OBSERVATIONS AND RECOMMENDATIONS

3.1 OBSERVATIONS

General

(1) Wells are in good condition and are functioning adequately for evaluating the hydrologic conditions and groundwater quality at Site 11 and the Crooked River Plantation Subdivision downgradient of the site.

(2) Headspace readings: there may be a correlation between the FID reading of 1,100 ppm and dissolved chlorobenzene at well KBA-11-27, and the PID reading at KBA-11-18 most likely was affected by moisture on the lamp of the PID meter.

(3) Water quality parameters observed during well purging stabilized after 6 to 8 gal of water were removed from the well.

(4) Source area well KBA-11-34 and downgradient well KBA-11-13A showed the highest concentration of dissolved VOCs onsite, and one down gradient, offsite well, KBA-11-37, showed chlorobenzene above the criteria. Concentrations of chlorinated hydrocarbons immediately downgradient to the source area show a general decrease with time. This trend should continue.

3.2 RECOMMENDATIONS

Continue quarterly groundwater monitoring as scheduled in the groundwater monitoring plan. The next sampling event is scheduled for March 2000. Wells scheduled for sampling, as stated in the groundwater monitoring plan, include KBA-11-2; KBA-11-13A; KBA-11-15, KBA-11-16; KBA-11-17B, KBA-11-34; KBA-11-37; and PS-2.

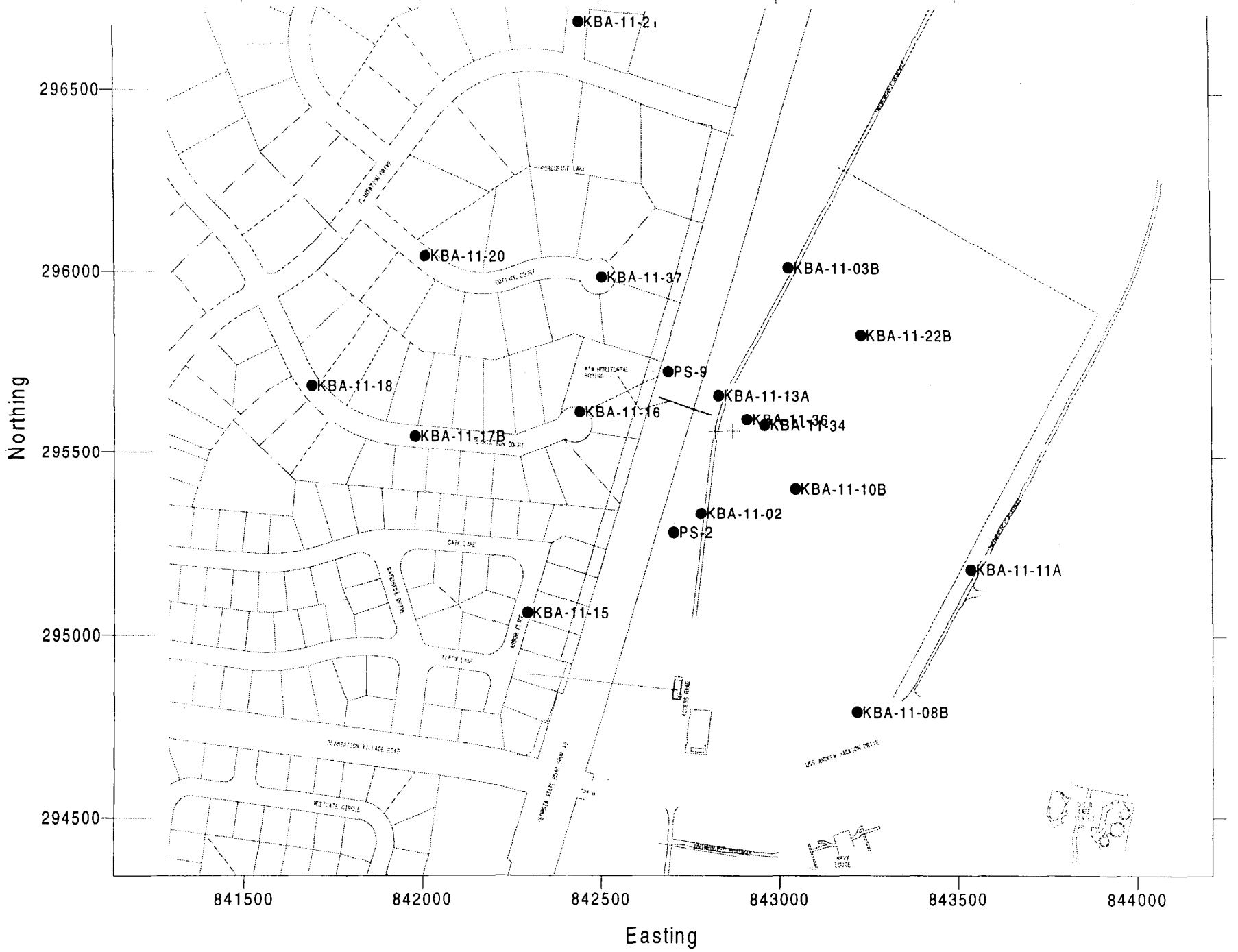


Figure 1 - Site Map

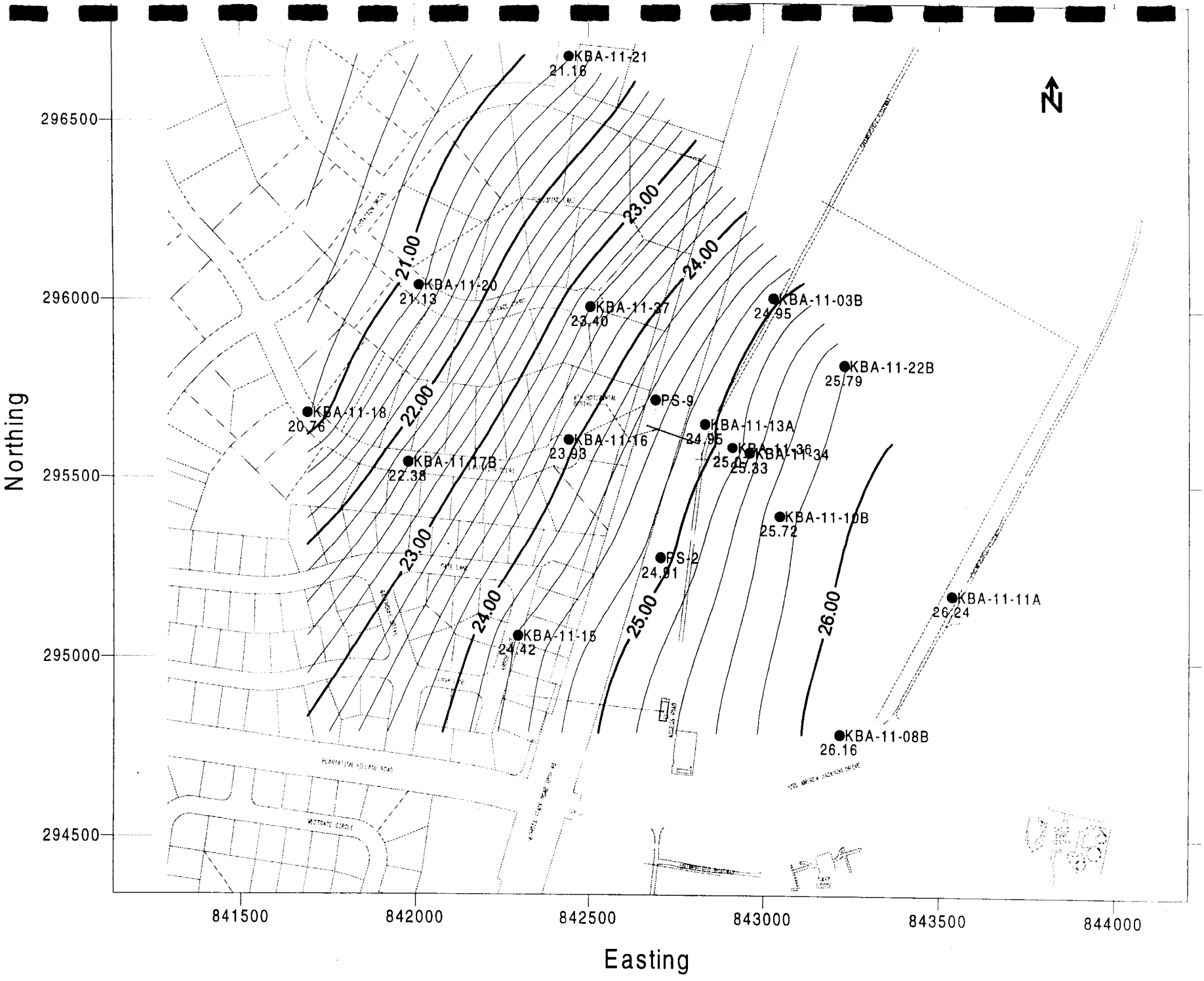


Figure 2 - Groundwater Elevation Map, No\ ber 8, 1999 Contour Interval = 0.2 ft

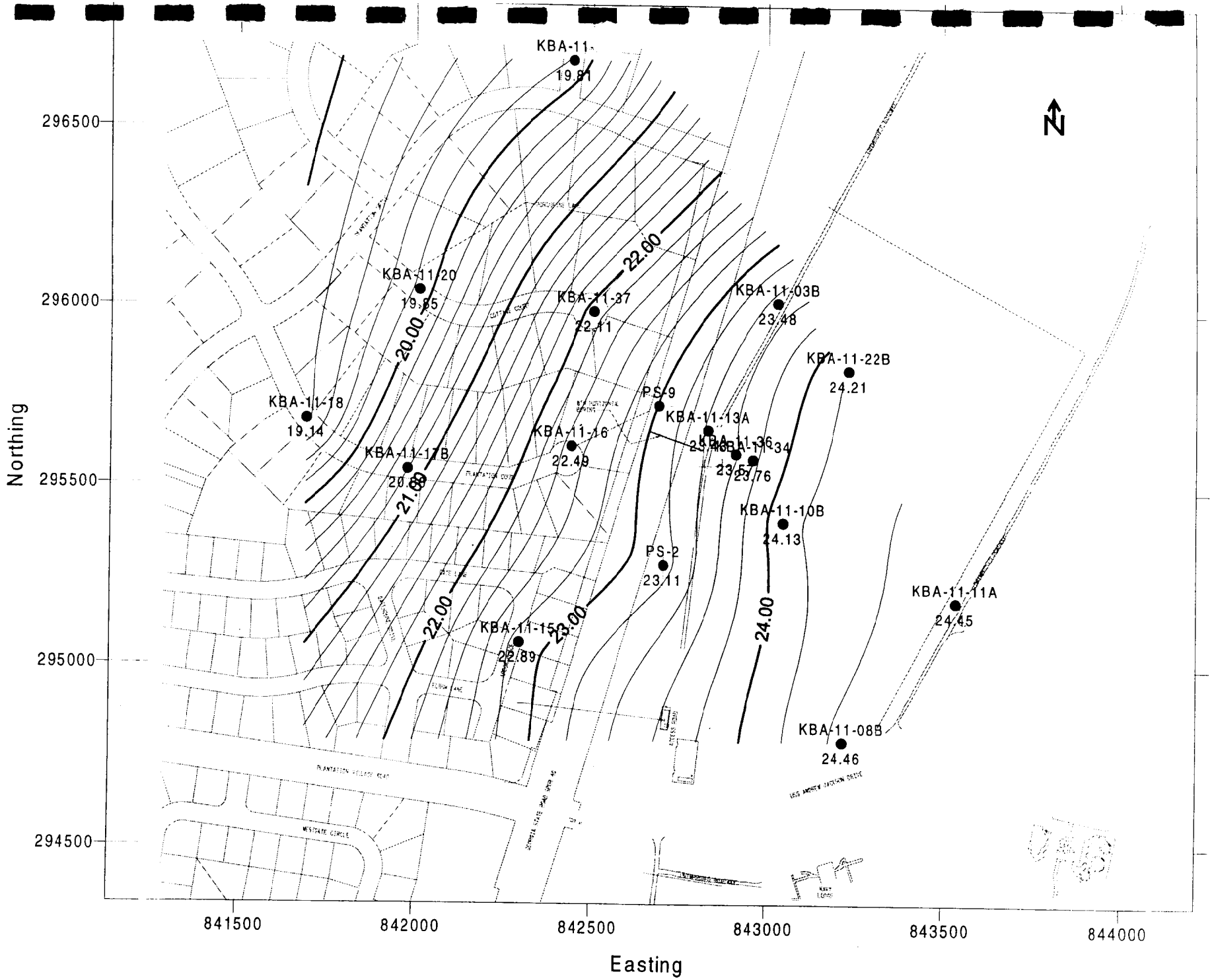


Figure 3 - Groundwater Elevation Map, August 2, 1999

Contour Interval = 0.2 ft

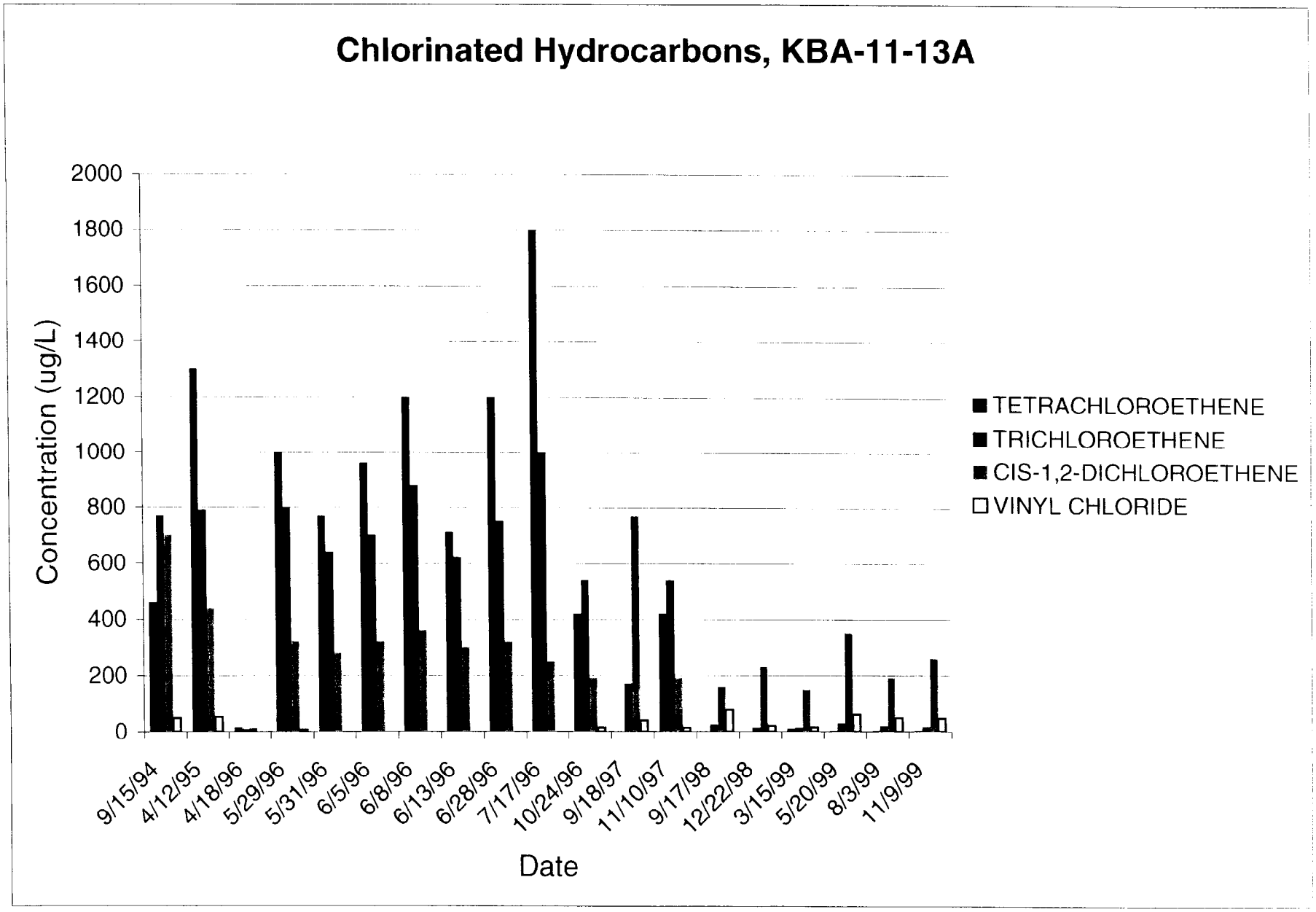
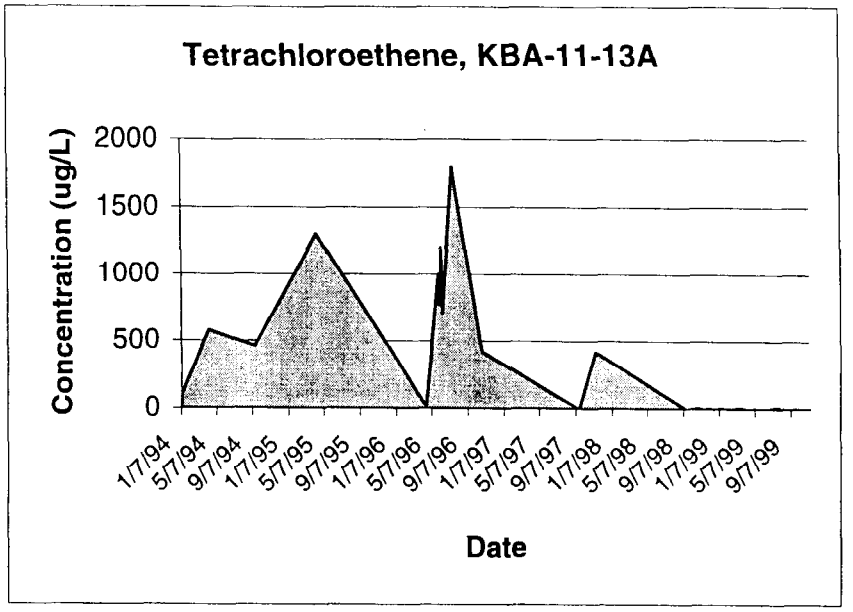
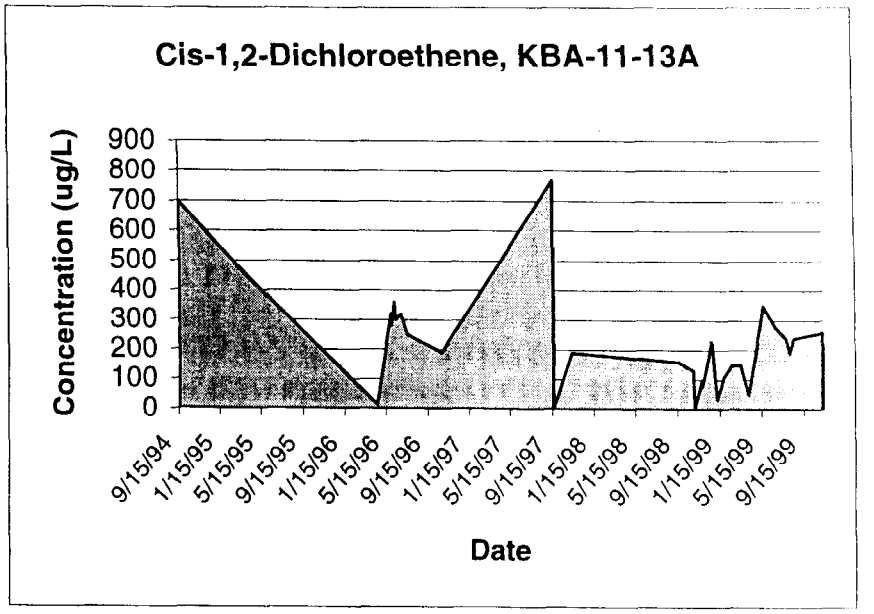
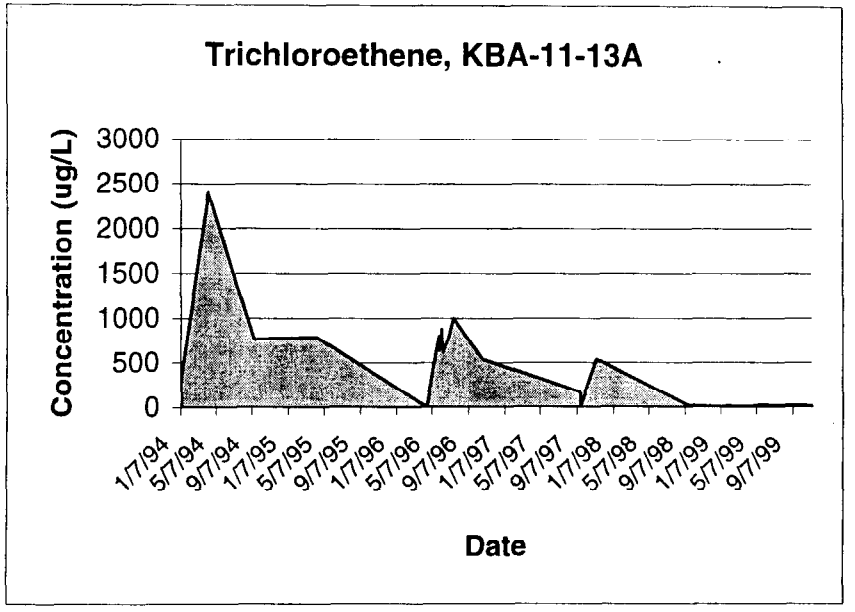


FIGURE 4 - CHLORINATED HYDROCARBONS, KBA-11-13A







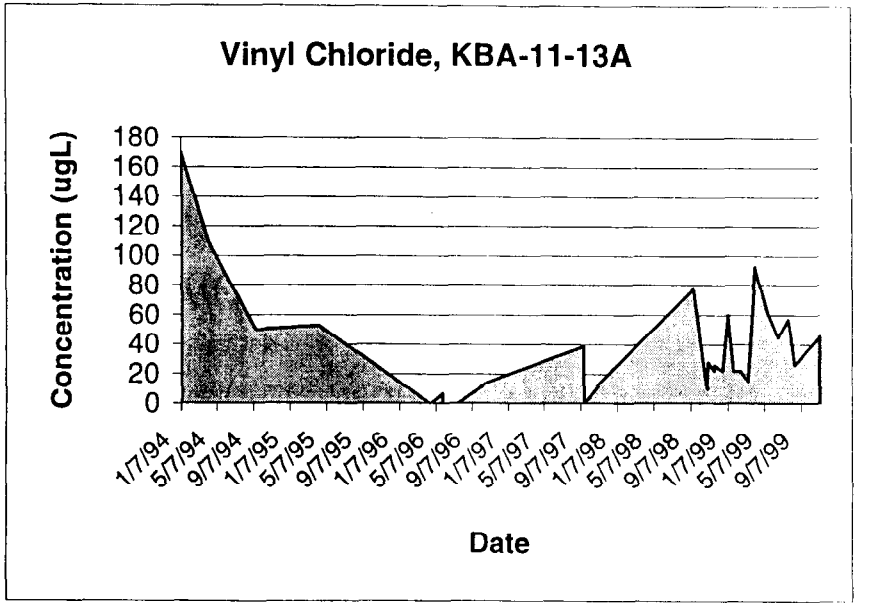


FIGURE 5 - CHLORINATED HYDROCARBON TRENDS, WELL KBA-11-13A

Table 1
Headspace Readings

Well Identification	Date	PID Measurement (ppm)	FID Measurement (ppm)
KBA-11-02	11-8-99	0.7	0
		NM	
KBA-11-03B	11-8-99	2.0	5
	8-3-99	0.2	
KBA-11-08B	11-8-99	1.5	0
	8-3-99	0.0	
KBA-11-10B	11-8-99	5	2
	8-2-99	1.9	
KBA-11-11A	11-8-99	4.5	2
	8-3-99	0.3	
KBA-11-13A	11-8-99	2	5
	8-3-99	13	
KBA-11-13B	11-8-99	2	3
	8-3-99	0	
KBA-11-15	11-9-99	2.5	0.2
	8-17-99	2,200	
KBA-11-16	11-9-99	1	0
	8-17-99	3,500	
KBA-11-17B	11-9-99	5	25
	8-17-99	2,700	
KBA-11-18	11-9-99	11	0
	8-17-99	3,600	
KBA-11-21	11-9-99	7.5	0
	8-3-99	3	
KBA-11-22B	11-8-99	0.6	1
	8-3-99	7	
KBA-11-34	11-8-99	2	11
	8-3-99	1,400	
KBA-11-36	11-8-99	0.6	1.7
	8-3-99	10	
KBA-11-37	11-9-99	3	1,100
	8-16-99	400	
PS-2	11-8-99	0.5	20
	8-16-99	NM	
PS-9	11-8-99	NM	
	8-16-99	NM	

NM = not measured
PID = photo ionization detector
FID = flame ionization detector

Table 2
Well Measurements

Well Identification	Date	Top of Casing Elevation (ft MSL)	Depth to Water (ft btoc)	Water Elevation (ft MSL)	Constructed Depth (ft btoc)	Measured Depth (ft btoc)
KBA-11-02	11-8-99	36.02	9.61	26.41	15.00	15.19
	8-2-99		11.37	24.65		15.42
KBA-11-03B	11-8-99	33.49	8.54	24.95	47.00	47.77
	8-2-99		10.01	23.48		47.82
KBA-11-08B	11-8-99	38.20	12.04	26.16	43.00	43.75
	8-2-99		13.74	24.46		43.77
KBA-11-10B	11-8-99	38.03	12.31	25.72	51.50	51.62
	8-2-99		13.90	24.13		51.67
KBA-11-11A	11-8-99	35.85	9.61	24.42	37.00	37.12
	8-2-99		11.40	24.45		37.12
KBA-11-13A	11-8-99	34.20	9.25	24.95	42.50	42.75
	8-2-99		10.77	23.43		42.52
KBA-11-13B	11-8-99	34.86	12.88	21.98	90.70	90.72
	8-2-99		14.27	20.59		90.77
KBA-11-15	11-9-99	28.49	4.07	24.42	39.00	39.17
	8-2-99		5.60	22.89		39.22
KBA-11-16	11-9-99	28.66	4.73	23.93	44.90	44.72
	8-2-99		6.17	22.49		44.77
KBA-11-17B	11-9-99	25.41	3.03	22.38	44.80	44.67
	8-2-99		4.61	20.80		44.72
KBA-11-18	11-9-99	22.81	2.05	20.76	45.80	45.77
	8-2-99		3.67	19.14		45.82
KBA-11-20	11-9-99	23.07	1.94	21.13	40.00	40.12
	8-2-99		3.22	19.85		40.12
KBA-11-21	11-9-99	23.56	2.4	21.16	40.40	40.57
	8-2-99		3.75	19.81		40.57
KBA-11-22B	11-8-99	36.13	10.34	25.79	52.60	52.59
	8-2-99		11.92	24.21		52.62
KBA-11-34	11-8-99	37.51	12.18	25.33	40 est	41.07
	8-2-99		13.75	23.76		41.07
KBA-11-36	11-8-99	37.91	12.84	25.07	40 est	41.65
	8-2-99		14.34	23.57		41.67
KBA-11-37	11-9-99	26.26	2.86	23.4	38.50	38.46
	8-16-99		4.15	22.11		38.57
PS-2	11-8-99	32.71	7.80	24.91	40 67	37.47
	8-17-99		9.6	23.11		39.6est
PS-9	NM	28.72	NM	NM	35.45	NM
	8-20-99		5.89	22.83		34.82

Ft = feet
MSL – mean sea level
Btoc – below top of casing

Table 3
Well Purge Parameters

Well Identification	Date	Volume Purged (gal)	Temper-ature (°C)	pH	Oxygen Reduction Potential (mv)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
KBA-11-02	11-9-99	6	23.4	5.94	-160	0.527	3	0.51
	8-3-99	7	25.2	5.63	-199	0.713	0	NM
KBA-11-10B	8-2-99	6	25.6	5.14	-221	0.304	2	NM
KBA-11-13A	11-9-99	8	23	5.54	-142	0.467	2	0.78
	8-3-99	6	24.3	5.50	-210	0.463	17	NM
KBA-11-13B	8-3-99	8	24.9	7.15	-43	0.267	0	NM
KBA-11-15	8-3-99	6	25	4.90	-182	0.677	9	NM
KBA-11-16	11-9-99	8	24	4.89	-104	0.263	20	0.57
	8-3-99	7	26.8	4.76	-111	0.171	35	NM
KBA-11-17B	8-3-99	8	24.7	4.48	-112	0.118	6	NM
KBA-11-34	11-9-99	8	27.2	3.58	134	2.26	9	0.44
	8-3-99	6	30.5	3.20	300	2.36	13	NM
KBA-11-37	11-9-99	8	24.2	5.37	-200	0.573	12	0.46
	8-16-99	9	25.5	5.52	-227	0.517	15	NM
PS-2	11-9-99	8	22	4.87	-144	0.363	2	0.35
	8-18-99	7	23.2	4.95	-213	0.381	10	NM

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

Table 4
Analytical Summary, Groundwater Protection Standard

Groundwater Protection Standard	Criteria (µg/L)	KBA-11-02		KBA-11-10B	KBA-11-11A	KBA-11-13A			KBA-11-13B	KBA-11-15	KBA-11-16	
Date		11-9-99	8-3-99	8-2-99	8-2-99	11-9-99	11-9-99 (Duplicate)	8-3-99	8-3-99	8-3-99	11-9-99	8-3-99
Tetrachloroethene	5.0	3.0U	3.0U	3.0U	3.0U	30U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U
Trichloroethene	5.0	1.0U	1.0U	1.0U	1.0U	**15I**	**17**	**19**	1.0U	1.0U	1.0U	1.0U
Cis -1,2-dichloroethene	70	1.0U	1.0U	1.6I	1.0U	**260**	**210**	**190**	1.0U	1.0U	3.6	1.0U
Trans-1,2 dichloroethene	100	1.0U	1.0U	1.0U	1.0U	10U	6.6	7.4	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethene	7.0	1.0U	1.0U	1.0U	1.0U	10U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethane	1.0	1.0U	1.0U	1.0U	1.0U	10U	1.0U	1.0U	1.0U	1.0U	1.6I	1.0U
1,2-dichloroethane	5.0	1.0U	1.0U	1.0U	1.0U	10U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Vinyl Chloride	2.0	1.0U	1.0U	1.0U	1.0U	**46**	**42**	**48**	1.0U	1.0U	1.4I	1.0U
Chloroethane	1.0	1.0U	1.0U	1.0U	1.0U	10U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Benzene	5.0	1.0U	1.0U	1.6	1.0U	10U	1.3I	1.1I	1.0U	1.0U	1.0U	1.0U
Ethylbenzene	700	1.0U	1.0U	10	1.0U	65	92	66	1.0U	1.0U	1.0U	1.0U
Toluene	1,000	1.0U	1.0U	1.0U	1.0U	10U	4.2	2.7	1.0U	1.0U	1.0U	1.0U
Total xylenes	10,000	3.0U	3.0U	3.0U	3.0U	24I	49	14.4	3.0U	3.0U	3.0U	3.0U
Chlorobenzene	1.0	1.0U	1.0U	**2.5**	1.0U	10U	**8.2**	**6.2**	1.0U	1.0U	1.0U	1.0U
1,4-dichlorobenzene	75	1.0U	1.0U	1.5	1.0U	10U	5.2	4.0	1.0U	1.0U	1.0U	1.0U

Notes: I = 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.

Table 4
(continued)

Groundwater Protection Standard	Criteria (µg/L)	KBA-11-17B	KBA-11-34		KBA-11-37		PS-2	
Date		8-3-99	11-9-99	8-3-99	11-9-99	8-16-99	11-9-99	8-17-99
Tetrachloroethene	5.0	3.0U	**22**	**17**	3.0U	3.0U	3.0U	3.0U
Trichloroethene	5.0	1.0U	1.0I	1.0U	1.0U	1.0U	1.4I	1.3I
Cis -1,2-dichloroethene	70	1.0U	1.0U	1.0U	17	24	40	41
Trans-1,2 dichloroethene	100	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethene	7.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	**5.1**	**5.6**
1,2-dichloroethane	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Vinyl Chloride	2.0	1.0U	1.0U	1.0U	1.4I	**2.5I**	**2.9**	**3.2I**
Chloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Benzene	5.0	1.0U	1.0U	1.0U	2.0	2.1	9.4	9.1
Ethylbenzene	700	1.0U	1.0U	1.0U	14	15	16	10
Toluene	1,000	1.0U	1.0U	1.0U	1.0U	1.0U	57	43
Total xylenes	10,000	3.0U	3.0U	3.0U	3.0U	3.0U	47	29
Chlorobenzene	1.0	1.0U	1.0U	1.0U	**3.1**	**2.9**	1.0U	1.0U
1,4-dichlorobenzene	75	1.0U	1.0U	1.0U	4.7	3.6	1.0U	1.0U

Notes: I = 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.

Table 5
Appendix IX Analyses Summary

Appendix IX Constituents	KBA-11-11A Background Well Sample ID KB20015 GWT	KBA-11-13A Downgradient Well Sample ID KB20010 GWT
Date Collected	8-19-99	8-3-99
Volatile Organic (μg/L)		
(only detectable compounds shown)		
Vinyl Chloride	1.0U	49.6
Trichlororethene	1.0U	22.7
Toluene	1.0U	3.5
Chlorobenzene	1.0U	5.8
Ethylbenzene	1.0U	79.6
Xylenes (total)	3.0U	19.5
Trans-1,2-dichloroethene	1.0U	4.7
Cis-1,2-dichloroethene	1.0U	234 E
Semivolatile Organic (μg/L)		
Naphthalene	10.4U	18.3
Dioxins/furans (NG/L)		
All below detection limit	10.0 U	10.0U
Pesticide/PCBs/Herbicides Organics (μg/L)		
All below detection limit		
Inorganics (μg/L)		
Antimony	2.9	2.9
Arsenic	2.7	2.7
Barium	8.2	15.8
Berylium	0.32	0.09
Cadmium	0.36	0.36
Chromium	1.3	2.5
Cobalt	0.84	0.84
Copper	1.7	6.2
Lead	1.9	2.8
Mercury	0.04	0.04
Nickel	1.0	12.7
Selenium	2.9	2.9
Silver	0.9	3.1
Thallium	4.4	3.9
Tin	2.0	2.0
Vanadium	1.1	5.5
Zinc	4.9	18.3
General Chemistry (mg/L)		
Cyanides	0.00	0.00
Sulfides	0.45	1.1

Notes: U = compound was analyzed for but not detected to the level shown.
E = estimated value.
NG/L = nanograms per liter; μg/L = micro grams per liter;
mg/L = milli grams per liter

APPENDIX A

ANALYTICAL TABULATION AND REPORTS

Groundwater Protection Standard Analyses
KBA-11-02, Site 11 NSB Kings Bay

LOCATION	SAMPLE DATE	PARAMETER	RESULT (ug/L)	Q	CRITERIA (ug/L)
KBA-11-02	11/9/1999	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-02	8/3/1999	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-02	4/18/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-02	4/11/1995	1,1-DICHLOROETHANE	0.2	J	1
KBA-11-02	9/15/1994	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-02	4/9/1994	1,1-DICHLOROETHANE	2.0	U	1
KBA-11-02	1/7/1994	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-02	1/7/1994	1,1-DICHLOROETHANE	2.0	UR	1
KBA-11-02	1/12/1993	1,1-DICHLOROETHANE	5.0	U	1
KBA-11-02	1/12/1993	1,1-DICHLOROETHANE	5.0	U	1
KBA-11-02	11/9/1999	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-02	8/3/1999	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-02	4/18/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-02	4/11/1995	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-02	9/15/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-02	4/9/1994	1,1-DICHLOROETHENE	2.0	U	7
KBA-11-02	1/7/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-02	1/7/1994	1,1-DICHLOROETHENE	2.0	UR	7
KBA-11-02	1/12/1993	1,1-DICHLOROETHENE	5.0	U	7
KBA-11-02	1/12/1993	1,1-DICHLOROETHENE	5.0	U	7
KBA-11-02	11/9/1999	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-02	8/3/1999	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-02	1/12/1993	1,2-DICHLOROETHANE	5.0	U	5
KBA-11-02	1/12/1993	1,2-DICHLOROETHANE	5.0	U	5
KBA-11-02	11/9/1999	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-02	8/3/1999	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-02	4/18/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-02	4/18/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-02	4/11/1995	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-02	4/11/1995	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-02	9/15/1994	1,4-DICHLOROBENZENE	10.0	U	75
KBA-11-02	9/15/1994	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-02	1/12/1993	1,4-DICHLOROBENZENE	5.0	U	75
KBA-11-02	1/12/1993	1,4-DICHLOROBENZENE	5.0	U	75
KBA-11-02	1/12/1993	1,4-DICHLOROBENZENE	5.0		75
KBA-11-02	1/12/1993	1,4-DICHLOROBENZENE	5.0		75
KBA-11-02	11/9/1999	BENZENE	1.0	U	5
KBA-11-02	8/3/1999	BENZENE	1.0	U	5
KBA-11-02	4/18/1996	BENZENE	0.0	U	5
KBA-11-02	4/11/1995	BENZENE	0.2	J	5
KBA-11-02	9/15/1994	BENZENE	1.0	U	5
KBA-11-02	4/9/1994	BENZENE	2.0	U	5
KBA-11-02	1/7/1994	BENZENE	1.0	U	5
KBA-11-02	1/7/1994	BENZENE	2.0	UR	5
KBA-11-02	1/12/1993	BENZENE	5.0	U	5
KBA-11-02	1/12/1993	BENZENE	5.0	U	5
KBA-11-02	11/9/1999	CHLOROBENZENE	1.0	U	1
KBA-11-02	8/3/1999	CHLOROBENZENE	1.0	U	1
KBA-11-02	4/18/1996	CHLOROBENZENE	0.0	U	1
KBA-11-02	4/11/1995	CHLOROBENZENE	0.0	U	1
KBA-11-02	9/15/1994	CHLOROBENZENE	1.0	U	1
KBA-11-02	4/9/1994	CHLOROBENZENE	2.0	U	1
KBA-11-02	1/7/1994	CHLOROBENZENE	1.0	U	1
KBA-11-02	1/7/1994	CHLOROBENZENE	2.0	UR	1
KBA-11-02	1/12/1993	CHLOROBENZENE	5.0	U	1
KBA-11-02	1/12/1993	CHLOROBENZENE	5.0	U	1

U = compound was analyzed for but not detected to the level shown.
J = estimated value.
BOLD indicates result exceeds the Groundwater Protection Standard.

Groundwater Protection Standard Analyses
KBA-11-02, Site 11 NSB Kings Bay

LOCATION	SAMPLE DATE	PARAMETER	RESULT (ug/L)	Q	CRITERIA (ug/L)
KBA-11-02	11/9/1999	CHLOROETHANE	1.0	U	1
KBA-11-02	8/3/1999	CHLOROETHANE	1.0	U	1
KBA-11-02	4/18/1996	CHLOROETHANE	0.0	U	1
KBA-11-02	4/11/1995	CHLOROETHANE	0.0	U	1
KBA-11-02	9/15/1994	CHLOROETHANE	1.0	U	1
KBA-11-02	4/9/1994	CHLOROETHANE	2.0	U	1
KBA-11-02	**1/7/1994**	**CHLOROETHANE**	**3.0**		**1**
KBA-11-02	1/7/1994	CHLOROETHANE	2.0	R	1
KBA-11-02	1/12/1993	CHLOROETHANE	10.0	U	1
KBA-11-02	1/12/1993	CHLOROETHANE	10.0	U	1
KBA-11-02	11/9/1999	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-02	8/3/1999	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-02	4/18/1996	CIS-1,2-DICHLOROETHENE	0.0	U	70
KBA-11-02	4/11/1995	CIS-1,2-DICHLOROETHENE	0.2	J	70
KBA-11-02	9/15/1994	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-02	4/9/1994	CIS-1,2-DICHLOROETHENE	10.0		70
KBA-11-02	1/7/1994	CIS-1,2-DICHLOROETHENE	5.0		70
KBA-11-02	1/7/1994	CIS-1,2-DICHLOROETHENE	5.0	R	70
KBA-11-02	11/9/1999	ETHYLBENZENE	1.0	U	700
KBA-11-02	8/3/1999	ETHYLBENZENE	1.0	U	700
KBA-11-02	4/18/1996	ETHYLBENZENE	0.0	U	700
KBA-11-02	4/11/1995	ETHYLBENZENE	0.0	U	700
KBA-11-02	9/15/1994	ETHYLBENZENE	1.0	U	700
KBA-11-02	4/9/1994	ETHYLBENZENE	2.0	U	700
KBA-11-02	1/7/1994	ETHYLBENZENE	1.0	U	700
KBA-11-02	1/7/1994	ETHYLBENZENE	2.0	UR	700
KBA-11-02	1/12/1993	ETHYLBENZENE	5.0	U	700
KBA-11-02	1/12/1993	ETHYLBENZENE	5.0	U	700
KBA-11-02	11/9/1999	TETRACHLOROETHENE	3.0	U	5
KBA-11-02	8/3/1999	TETRACHLOROETHENE	3.0	U	5
KBA-11-02	4/18/1996	TETRACHLOROETHENE	0.0	U	5
KBA-11-02	4/11/1995	TETRACHLOROETHENE	0.0	U	5
KBA-11-02	9/15/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-02	4/9/1994	TETRACHLOROETHENE	2.0	U	5
KBA-11-02	1/7/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-02	1/7/1994	TETRACHLOROETHENE	2.0	UR	5
KBA-11-02	1/12/1993	TETRACHLOROETHENE	5.0	U	5
KBA-11-02	1/12/1993	TETRACHLOROETHENE	5.0	U	5
KBA-11-02	11/9/1999	TOLUENE	1.0	U	1000
KBA-11-02	8/3/1999	TOLUENE	1.0	U	1000
KBA-11-02	4/18/1996	TOLUENE	0.0	U	1000
KBA-11-02	4/11/1995	TOLUENE	0.0	U	1000
KBA-11-02	9/15/1994	TOLUENE	1.0	U	1000
KBA-11-02	4/9/1994	TOLUENE	0.7	J	1000
KBA-11-02	1/7/1994	TOLUENE	1.0	U	1000
KBA-11-02	1/7/1994	TOLUENE	2.0	UR	1000
KBA-11-02	1/12/1993	TOLUENE	2.0	J	1000
KBA-11-02	1/12/1993	TOLUENE	2.0	J	1000
KBA-11-02	11/9/1999	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-02	8/3/1999	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-02	4/18/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-02	4/11/1995	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-02	9/15/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-02	4/9/1994	TRANS-1,2-DICHLOROETHENE	2.0	U	100
KBA-11-02	1/7/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-02	1/7/1994	TRANS-1,2-DICHLOROETHENE	2.0	UR	100

U = compound was analyzed for but not detected to the level shown.
J = estimated value.
BOLD indicates result exceeds the Groundwater Protection Standard.

Groundwater Protection Standard Analyses
KBA-11-02, Site 11 NSB Kings Bay

LOCATION	SAMPLE DATE	PARAMETER	RESULT (ug/L)	Q	CRITERIA (ug/L)
KBA-11-02	11/9/1999	TRICHLOROETHENE	1.0	U	5
KBA-11-02	8/3/1999	TRICHLOROETHENE	1.0	U	5
KBA-11-02	4/18/1996	TRICHLOROETHENE	0.0	U	5
KBA-11-02	4/11/1995	TRICHLOROETHENE	0.2	J	5
KBA-11-02	9/15/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-02	4/9/1994	TRICHLOROETHENE	2.0	U	5
KBA-11-02	1/7/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-02	1/7/1994	TRICHLOROETHENE	2.0	UR	5
KBA-11-02	1/12/1993	TRICHLOROETHENE	5.0	U	5
KBA-11-02	1/12/1993	TRICHLOROETHENE	5.0	U	5
KBA-11-02	11/9/1999	VINYL CHLORIDE	1.0	U	2
KBA-11-02	8/3/1999	VINYL CHLORIDE	1.0	U	2
KBA-11-02	4/18/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-02	**4/11/1995**	**VINYL CHLORIDE**	**2.0**		**2**
KBA-11-02	9/15/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-02	**4/9/1994**	**VINYL CHLORIDE**	**33.0**		**2**
KBA-11-02	**1/7/1994**	**VINYL CHLORIDE**	**25.0**		**2**
KBA-11-02	1/7/1994	VINYL CHLORIDE	23.0	R	2
KBA-11-02	**1/12/1993**	**VINYL CHLORIDE**	**100.0**		**2**
KBA-11-02	**1/12/1993**	**VINYL CHLORIDE**	**85.0**		**2**
KBA-11-02	11/9/1999	XYLENES, TOTAL	3.0	U	10000
KBA-11-02	8/3/1999	XYLENES, TOTAL	3.0	U	10000
KBA-11-02	4/18/1996	XYLENES, TOTAL	0.0	U	10000
KBA-11-02	4/11/1995	XYLENES, TOTAL	0.2	J	10000
KBA-11-02	9/15/1994	XYLENES, TOTAL	1.0	U	10000
KBA-11-02	4/9/1994	XYLENES, TOTAL	2.0	U	10000
KBA-11-02	1/7/1994	XYLENES, TOTAL	1.0	U	10000
KBA-11-02	1/7/1994	XYLENES, TOTAL	2.0	UR	10000
KBA-11-02	1/12/1993	XYLENES, TOTAL	2.0	J	10000
KBA-11-02	1/12/1993	XYLENES, TOTAL	2.0	J	10000

U = compound was analyzed for but not detected to the level shown.
J = estimated value.
BOLD indicates result exceeds the Groundwater Protection Standard.

Groundwater Protection Standard Analyses
KBA-11-10B, Site 11 NSB Kings Bay

LOCATION	SAMPLE DATE	PARAMETER	RESULT (ug/L)	Q	CRITERIA (ug/L)
KBA-11-10B	8/2/1999	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-10B	10/22/1996	1,1-DICHLOROETHANE	0.5	J	1
KBA-11-10B	7/17/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-10B	6/13/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-10B	5/29/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-10B	4/18/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-10B	4/12/1995	1,1-DICHLOROETHANE	0.7	J	1
KBA-11-10B	9/16/1994	1,1-DICHLOROETHANE	0.9	J	1
KBA-11-10B	4/5/1994	1,1-DICHLOROETHANE	0.6	J	1
KBA-11-10B	1/8/1994	1,1-DICHLOROETHANE	0.8	J	1
KBA-11-10B	8/2/1999	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-10B	10/22/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-10B	7/17/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-10B	6/13/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-10B	5/29/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-10B	4/18/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-10B	4/12/1995	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-10B	9/16/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-10B	4/5/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-10B	1/8/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-10B	8/2/1999	1,2-DICHLOROENTHANE	1.0	U	5
KBA-11-10B	8/2/1999	1,4-DICHLOROBENZENE	1.5	U	75
KBA-11-10B	6/13/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-10B	6/13/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-10B	5/29/1996	1,4-DICHLOROBENZENE	1.0		75
KBA-11-10B	5/29/1996	1,4-DICHLOROBENZENE	1.0		75
KBA-11-10B	4/18/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-10B	4/18/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-10B	4/12/1995	1,4-DICHLOROBENZENE	0.0		75
KBA-11-10B	4/12/1995	1,4-DICHLOROBENZENE	0.0		75
KBA-11-10B	9/16/1994	1,4-DICHLOROBENZENE	1.0	J	75
KBA-11-10B	9/16/1994	1,4-DICHLOROBENZENE	2.0		75
KBA-11-10B	8/2/1999	BENZENE	1.6		5
KBA-11-10B	10/22/1996	BENZENE	2.1		5
KBA-11-10B	7/17/1996	BENZENE	4.0	J	5
KBA-11-10B	6/13/1996	BENZENE	1.0		5
KBA-11-10B	5/29/1996	BENZENE	1.0		5
KBA-11-10B	4/18/1996	BENZENE	0.0	U	5
KBA-11-10B	4/12/1995	BENZENE	2.0		5
KBA-11-10B	9/16/1994	BENZENE	2.0		5
KBA-11-10B	4/5/1994	BENZENE	1.0		5
KBA-11-10B	1/8/1994	BENZENE	2.0		5
KBA-11-10B	**8/2/1999**	**CHLOROBENZENE**	**2.5**		**1**
KBA-11-10B	10/22/1996	CHLOROBENZENE	0.0	U	1
KBA-11-10B	**7/17/1996**	**CHLOROBENZENE**	**2.0**	**J**	**1**
KBA-11-10B	6/13/1996	CHLOROBENZENE	1.0		1
KBA-11-10B	5/29/1996	CHLOROBENZENE	1.0		1
KBA-11-10B	4/18/1996	CHLOROBENZENE	0.0	U	1
KBA-11-10B	4/12/1995	CHLOROBENZENE	0.0	U	1
KBA-11-10B	9/16/1994	CHLOROBENZENE	1.0		1
KBA-11-10B	4/5/1994	CHLOROBENZENE	1.0		1
KBA-11-10B	**1/8/1994**	**CHLOROBENZENE**	**2.0**		**1**
KBA-11-10B	8/2/1999	CHLOROETHANE	2.0	U	1
KBA-11-10B	10/22/1996	CHLOROETHANE	0.0	U	1
KBA-11-10B	7/17/1996	CHLOROETHANE	0.0	U	1

I = analyte detected; value is between the dethod detection limit and the practical quantitation limit.
U = compound was analyzed for but not detected to the level shown.
J = estimated value.

Groundwater Protection Standard Analyses
KBA-11-10B, Site 11 NSB Kings Bay

LOCATION	SAMPLE DATE	PARAMETER	RESULT (ug/L)	Q	CRITERIA (ug/L)
KBA-11-10B	6/13/1996	CHLOROETHANE	0.0	U	1
KBA-11-10B	5/29/1996	CHLOROETHANE	0.0	U	1
KBA-11-10B	4/18/1996	CHLOROETHANE	0.0	U	1
KBA-11-10B	4/12/1995	CHLOROETHANE	0.0	U	1
KBA-11-10B	9/16/1994	CHLOROETHANE	1.0	U	1
KBA-11-10B	4/5/1994	CHLOROETHANE	1.0	U	1
KBA-11-10B	1/8/1994	CHLOROETHANE	1.0	U	1
KBA-11-10B	8/2/1999	CIS-1,2-DICHLOROETHENE	1.6	I	70
KBA-11-10B	10/22/1996	CIS-1,2-DICHLOROETHENE	2.5		70
KBA-11-10B	7/17/1996	CIS-1,2-DICHLOROETHENE	3.0	J	70
KBA-11-10B	6/13/1996	CIS-1,2-DICHLOROETHENE	1.0		70
KBA-11-10B	5/29/1996	CIS-1,2-DICHLOROETHENE	2.0		70
KBA-11-10B	4/18/1996	CIS-1,2-DICHLOROETHENE	0.0	U	70
KBA-11-10B	4/12/1995	CIS-1,2-DICHLOROETHENE	2.0		70
KBA-11-10B	9/16/1994	CIS-1,2-DICHLOROETHENE	2.0		70
KBA-11-10B	4/5/1994	CIS-1,2-DICHLOROETHENE	2.0		70
KBA-11-10B	1/8/1994	CIS-1,2-DICHLOROETHENE	4.0		70
KBA-11-10B	8/2/1999	ETHYLBENZENE	10.0		700
KBA-11-10B	10/22/1996	ETHYLBENZENE	8.1		700
KBA-11-10B	7/17/1996	ETHYLBENZENE	7.0	J	700
KBA-11-10B	6/13/1996	ETHYLBENZENE	6.0		700
KBA-11-10B	5/29/1996	ETHYLBENZENE	7.0		700
KBA-11-10B	4/18/1996	ETHYLBENZENE	0.0	U	700
KBA-11-10B	4/12/1995	ETHYLBENZENE	12.0		700
KBA-11-10B	9/16/1994	ETHYLBENZENE	12.0		700
KBA-11-10B	4/5/1994	ETHYLBENZENE	12.0		700
KBA-11-10B	1/8/1994	ETHYLBENZENE	19.0		700
KBA-11-10B	8/2/1999	TETRACHLOROETHENE	3.0	U	5
KBA-11-10B	10/22/1996	TETRACHLOROETHENE	0.0	U	5
KBA-11-10B	7/17/1996	TETRACHLOROETHENE	0.0	U	5
KBA-11-10B	6/13/1996	TETRACHLOROETHENE	0.0	U	5
KBA-11-10B	5/29/1996	TETRACHLOROETHENE	0.0	U	5
KBA-11-10B	4/18/1996	TETRACHLOROETHENE	0.0	U	5
KBA-11-10B	4/12/1995	TETRACHLOROETHENE	0.1	J	5
KBA-11-10B	9/16/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-10B	4/5/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-10B	1/8/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-10B	8/2/1999	TOLUENE	1.0	U	1000
KBA-11-10B	10/22/1996	TOLUENE	0.2	J	1000
KBA-11-10B	7/17/1996	TOLUENE	0.0	U	1000
KBA-11-10B	6/13/1996	TOLUENE	0.0	U	1000
KBA-11-10B	5/29/1996	TOLUENE	0.0	U	1000
KBA-11-10B	4/18/1996	TOLUENE	0.0	U	1000
KBA-11-10B	4/12/1995	TOLUENE	0.0	U	1000
KBA-11-10B	9/16/1994	TOLUENE	1.0	U	1000
KBA-11-10B	4/5/1994	TOLUENE	0.7	J	1000
KBA-11-10B	1/8/1994	TOLUENE	0.5	J	1000
KBA-11-10B	8/2/1999	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-10B	10/22/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-10B	7/17/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-10B	6/13/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-10B	5/29/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-10B	4/18/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-10B	4/12/1995	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-10B	9/16/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100

I = analyte detected; value is between the dethod detection limit and the practical quantitation limit.
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J = estimated value.

Groundwater Protection Standard Analyses
KBA-11-10B, Site 11 NSB Kings Bay

LOCATION	SAMPLE DATE	PARAMETER	RESULT (ug/L)	Q	CRITERIA (ug/L)
KBA-11-10B	4/5/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-10B	1/8/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-10B	8/2/1999	TRICHLOROETHENE	1.0	U	5
KBA-11-10B	10/22/1996	TRICHLOROETHENE	0.0	U	5
KBA-11-10B	7/17/1996	TRICHLOROETHENE	2.0	J	5
KBA-11-10B	6/13/1996	TRICHLOROETHENE	0.0	U	5
KBA-11-10B	5/29/1996	TRICHLOROETHENE	0.0	U	5
KBA-11-10B	4/18/1996	TRICHLOROETHENE	0.0	U	5
KBA-11-10B	4/12/1995	TRICHLOROETHENE	0.2	J	5
KBA-11-10B	9/16/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-10B	4/5/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-10B	1/8/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-10B	8/2/1999	VINYL CHLORIDE	1.0	U	2
KBA-11-10B	10/22/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-10B	7/17/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-10B	6/13/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-10B	5/29/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-10B	4/18/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-10B	4/12/1995	VINYL CHLORIDE	0.4	J	2
KBA-11-10B	9/16/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-10B	4/5/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-10B	1/8/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-10B	8/2/1999	XYLENES, TOTAL	3.0	U	10000
KBA-11-10B	10/22/1996	XYLENES, TOTAL	0.0	U	10000
KBA-11-10B	7/17/1996	XYLENES, TOTAL	0.0	U	10000
KBA-11-10B	4/18/1996	XYLENES, TOTAL	0.0	U	10000
KBA-11-10B	4/12/1995	XYLENES, TOTAL	2.0		10000
KBA-11-10B	9/16/1994	XYLENES, TOTAL	0.8	J	10000
KBA-11-10B	4/5/1994	XYLENES, TOTAL	3.0		10000
KBA-11-10B	1/8/1994	XYLENES, TOTAL	0.4	J	10000

I = analyte detected; value is between the dethod detection limit and the practical quantitation limit.
U = compound was analyzed for but not detected to the level shown.
J = estimated value.

Groundwater Protection Standard Analyses
KBA-11-11A, Site 11 NSB Kings Bay

LOCATION	SAMPLE DATE	PARAMETER	RESULT (ug/L)	Q	CRITERIA (ug/L)
KBA-11-11A	8/2/1999	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-11A	4/16/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-11A	9/14/1994	1,1-DICHLOROETHANE	1.0		1
KBA-11-11A	9/14/1994	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-11A	9/14/1994	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-11A	4/5/1994	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-11A	4/5/1994	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-11A	1/4/1994	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-11A	8/2/1999	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-11A	4/16/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-11A	9/14/1994	1,1-DICHLOROETHENE	1.0		7
KBA-11-11A	9/14/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-11A	9/14/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-11A	4/5/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-11A	4/5/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-11A	1/4/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-11A	8/2/1999	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-11A	8/2/1999	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-11A	4/16/1996	1,4-DICHLOROBENZENE	0.0		75
KBA-11-11A	4/16/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-11A	9/14/1994	1,4-DICHLOROBENZENE	1.0		75
KBA-11-11A	9/14/1994	1,4-DICHLOROBENZENE	10.0	U	75
KBA-11-11A	9/14/1994	1,4-DICHLOROBENZENE	10.0	U	75
KBA-11-11A	9/14/1994	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-11A	9/14/1994	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-11A	8/2/1999	BENZENE	1.0	U	5
KBA-11-11A	4/16/1996	BENZENE	0.0	U	5
KBA-11-11A	9/14/1994	BENZENE	1.0	U	5
KBA-11-11A	9/14/1994	BENZENE	1.0	U	5
KBA-11-11A	4/5/1994	BENZENE	1.0	U	5
KBA-11-11A	4/5/1994	BENZENE	1.0	U	5
KBA-11-11A	1/4/1994	BENZENE	1.0	U	5
KBA-11-11A	8/2/1999	CHLOROBENZENE	1.0	U	1
KBA-11-11A	4/16/1996	CHLOROBENZENE	0.0	U	1
KBA-11-11A	9/14/1994	CHLOROBENZENE	1.0		1
KBA-11-11A	9/14/1994	CHLOROBENZENE	1.0	U	1
KBA-11-11A	9/14/1994	CHLOROBENZENE	1.0	U	1
KBA-11-11A	4/5/1994	CHLOROBENZENE	1.0	U	1
KBA-11-11A	4/5/1994	CHLOROBENZENE	1.0	U	1
KBA-11-11A	1/4/1994	CHLOROBENZENE	1.0	U	1
KBA-11-11A	8/2/1999	CHLOROETHANE	2.0	U	1
KBA-11-11A	4/16/1996	CHLOROETHANE	0.0	U	1
KBA-11-11A	9/14/1994	CHLOROETHANE	1.0		1
KBA-11-11A	9/14/1994	CHLOROETHANE	1.0	U	1
KBA-11-11A	9/14/1994	CHLOROETHANE	1.0	U	1
KBA-11-11A	4/5/1994	CHLOROETHANE	1.0	U	1
KBA-11-11A	4/5/1994	CHLOROETHANE	1.0	U	1
KBA-11-11A	1/4/1994	CHLOROETHANE	1.0	U	1
KBA-11-11A	8/2/1999	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-11A	4/16/1996	CIS-1,2-DICHLOROETHENE	0.0	U	70
KBA-11-11A	9/14/1994	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-11A	9/14/1994	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-11A	4/5/1994	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-11A	4/5/1994	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-11A	1/4/1994	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-11A	8/2/1999	ETHYLBENZENE	1.0	U	700

U = compound was analyzed for but not detected to the level shown.
J = estimated value.
BOLD indicates results exceeds the Groundwater Protection Standard.

Groundwater Protection Standard Analyses
KBA-11-11A, Site 11 NSB Kings Bay

LOCATION	SAMPLE DATE	PARAMETER	RESULT (ug/L)	Q	CRITERIA (ug/L)
KBA-11-11A	4/16/1996	ETHYLBENZENE	0.0	U	700
KBA-11-11A	9/14/1994	ETHYLBENZENE	1.0	U	700
KBA-11-11A	9/14/1994	ETHYLBENZENE	1.0	U	700
KBA-11-11A	4/5/1994	ETHYLBENZENE	1.0	U	700
KBA-11-11A	4/5/1994	ETHYLBENZENE	1.0	U	700
KBA-11-11A	1/4/1994	ETHYLBENZENE	1.0	U	700
KBA-11-11A	8/2/1999	TETRACHLOROETHENE	3.0	U	5
KBA-11-11A	4/16/1996	TETRACHLOROETHENE	0.0	U	5
KBA-11-11A	9/14/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-11A	9/14/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-11A	4/5/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-11A	4/5/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-11A	1/4/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-11A	8/2/1999	TOLUENE	1.0	U	1000
KBA-11-11A	4/16/1996	TOLUENE	0.0	U	1000
KBA-11-11A	9/14/1994	TOLUENE	1.0	U	1000
KBA-11-11A	9/14/1994	TOLUENE	1.0	U	1000
KBA-11-11A	4/5/1994	TOLUENE	1.0	U	1000
KBA-11-11A	4/5/1994	TOLUENE	1.0	U	1000
KBA-11-11A	1/4/1994	TOLUENE	1.0	U	1000
KBA-11-11A	8/2/1999	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-11A	4/16/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-11A	9/14/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-11A	9/14/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-11A	4/5/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-11A	4/5/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-11A	1/4/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-11A	8/2/1999	TRICHLOROETHENE	1.0	U	5
KBA-11-11A	4/16/1996	TRICHLOROETHENE	0.0	U	5
KBA-11-11A	9/14/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-11A	9/14/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-11A	4/5/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-11A	4/5/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-11A	1/4/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-11A	8/2/1999	VINYL CHLORIDE	1.0	U	2
KBA-11-11A	4/16/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-11A	9/14/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-11A	9/14/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-11A	4/5/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-11A	4/5/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-11A	1/4/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-11A	8/2/1999	XYLENES, TOTAL	3.0	U	10000
KBA-11-11A	4/16/1996	XYLENES, TOTAL	0.0	U	10000
KBA-11-11A	9/14/1994	XYLENES, TOTAL	1.0	U	10000
KBA-11-11A	9/14/1994	XYLENES, TOTAL	1.0	U	10000
KBA-11-11A	4/5/1994	XYLENES, TOTAL	1.0	U	10000
KBA-11-11A	4/5/1994	XYLENES, TOTAL	1.0	U	10000
KBA-11-11A	1/4/1994	XYLENES, TOTAL	1.0	U	10000

U = compound was analyzed for but not detected to the level shown.
J = estimated value.
BOLD indicates results exceeds the Groundwater Protection Standard.

Groundwater Protection Standard Analyses
KBA-11-13A, Site 11 NSB Kings Bay

LOCATION	SAMPLE DATE	PARAMETER	RESULT (ug/L)	Q	CRITERIA (ug/L)
KBA-11-13A	11/9/1999	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-13A	8/3/1999	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-13A	9/18/1997	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-13A	9/18/1997	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-13A	10/24/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-13A	7/17/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-13A	6/28/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-13A	6/13/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-13A	6/8/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-13A	6/5/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-13A	5/31/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-13A	**5/29/1996**	**1,1-DICHLOROETHANE**	**1.0**		**1**
KBA-11-13A	**4/18/1996**	**1,1-DICHLOROETHANE**	**2.0**		**1**
KBA-11-13A	**4/12/1995**	**1,1-DICHLOROETHANE**	**3.0**		**1**
KBA-11-13A	**9/15/1994**	**1,1-DICHLOROETHANE**	**50.0**	**U**	**1**
KBA-11-13A	**4/9/1994**	**1,1-DICHLOROETHANE**	**83.0**	**U**	**1**
KBA-11-13A	**1/7/1994**	**1,1-DICHLOROETHANE**	**100.0**	**U**	**1**
KBA-11-13A	11/9/1999	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-13A	8/3/1999	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-13A	9/18/1997	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-13A	10/24/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-13A	7/17/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-13A	6/28/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-13A	6/13/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-13A	6/8/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-13A	6/5/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-13A	5/31/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-13A	5/29/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-13A	4/18/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-13A	4/12/1995	1,1-DICHLOROETHENE	0.4	J	7
KBA-11-13A	**9/15/1994**	**1,1-DICHLOROETHENE**	**50.0**	**U**	**7**
KBA-11-13A	**4/9/1994**	**1,1-DICHLOROETHENE**	**83.0**	**U**	**7**
KBA-11-13A	**1/7/1994**	**1,1-DICHLOROETHENE**	**100.0**	**U**	**7**
KBA-11-13A	11/9/1999	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-13A	8/3/1999	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-13A	11/9/1999	1,4-DICHLOROBENZENE	5.2		75
KBA-11-13A	8/3/1999	1,4-DICHLOROBENZENE	4.0		75
KBA-11-13A	9/18/1997	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-13A	9/18/1997	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-13A	6/28/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-13A	6/28/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-13A	6/13/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-13A	6/13/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-13A	6/8/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-13A	6/8/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-13A	6/5/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-13A	6/5/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-13A	5/31/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-13A	5/31/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-13A	5/29/1996	1,4-DICHLOROBENZENE	2.0		75
KBA-11-13A	5/29/1996	1,4-DICHLOROBENZENE	2.0		75
KBA-11-13A	4/18/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-13A	4/18/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-13A	4/12/1995	1,4-DICHLOROBENZENE	1.0	J	75
KBA-11-13A	4/12/1995	1,4-DICHLOROBENZENE	1.0	J	75
KBA-11-13A	9/15/1994	1,4-DICHLOROBENZENE	10.0	U	75

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Groundwater Protection Standard Analyses
KBA-11-13A, Site 11 NSB Kings Bay

LOCATION	SAMPLE DATE	PARAMETER	RESULT (ug/L)	Q	CRITERIA (ug/L)
KBA-11-13A	9/15/1994	1,4-DICHLOROBENZENE	20.0	R	75
KBA-11-13A	9/15/1994	1,4-DICHLOROBENZENE	50.0	U	75
KBA-11-13A	11/9/1999	BENZENE	1.3	I	5
KBA-11-13A	8/3/1999	BENZENE	1.1	I	5
KBA-11-13A	9/18/1997	BENZENE	0.0	U	5
KBA-11-13A	9/18/1997	BENZENE	0.0	U	5
KBA-11-13A	10/24/1996	BENZENE	0.0	U	5
KBA-11-13A	7/17/1996	BENZENE	0.0	U	5
KBA-11-13A	6/28/1996	BENZENE	0.0	U	5
KBA-11-13A	6/13/1996	BENZENE	0.0	U	5
KBA-11-13A	6/8/1996	BENZENE	0.0	U	5
KBA-11-13A	6/5/1996	BENZENE	0.0	U	5
KBA-11-13A	5/31/1996	BENZENE	0.0	U	5
KBA-11-13A	5/29/1996	BENZENE	3.0		5
KBA-11-13A	4/18/1996	BENZENE	0.0	U	5
KBA-11-13A	4/12/1995	BENZENE	4.0		5
KBA-11-13A	**9/15/1994**	**BENZENE**	**50.0**	**U**	**5**
KBA-11-13A	**4/9/1994**	**BENZENE**	**83.0**	**U**	**5**
KBA-11-13A	**1/7/1994**	**BENZENE**	**100.0**	**U**	**5**
KBA-11-13A	**11/9/1999**	**CHLOROBENZENE**	**8.2**		**1**
KBA-11-13A	**8/3/1999**	**CHLOROBENZENE**	**6.2**		**1**
KBA-11-13A	9/18/1997	CHLOROBENZENE	0.0	U	1
KBA-11-13A	**10/24/1996**	**CHLOROBENZENE**	**5.0**	**J**	**1**
KBA-11-13A	7/17/1996	CHLOROBENZENE	0.0	U	1
KBA-11-13A	6/28/1996	CHLOROBENZENE	0.0	U	1
KBA-11-13A	6/13/1996	CHLOROBENZENE	0.0	U	1
KBA-11-13A	6/8/1996	CHLOROBENZENE	0.0	U	1
KBA-11-13A	6/5/1996	CHLOROBENZENE	0.0	U	1
KBA-11-13A	5/31/1996	CHLOROBENZENE	0.0	U	1
KBA-11-13A	**5/29/1996**	**CHLOROBENZENE**	**5.0**		**1**
KBA-11-13A	4/18/1996	CHLOROBENZENE	0.0	U	1
KBA-11-13A	**4/12/1995**	**CHLOROBENZENE**	**2.0**		**1**
KBA-11-13A	**9/15/1994**	**CHLOROBENZENE**	**50.0**	**U**	**1**
KBA-11-13A	**4/9/1994**	**CHLOROBENZENE**	**83.0**	**U**	**1**
KBA-11-13A	**1/7/1994**	**CHLOROBENZENE**	**100.0**	**U**	**1**
KBA-11-13A	11/9/1999	CHLOROETHANE	**1.0**	**U**	1
KBA-11-13A	8/3/1999	CHLOROETHANE	2.0	U	1
KBA-11-13A	9/18/1997	CHLOROETHANE	0.0	U	1
KBA-11-13A	10/24/1996	CHLOROETHANE	0.0	U	1
KBA-11-13A	7/17/1996	CHLOROETHANE	0.0	U	1
KBA-11-13A	6/28/1996	CHLOROETHANE	0.0	U	1
KBA-11-13A	6/13/1996	CHLOROETHANE	0.0	U	1
KBA-11-13A	6/8/1996	CHLOROETHANE	0.0	U	1
KBA-11-13A	6/5/1996	CHLOROETHANE	0.0	U	1
KBA-11-13A	5/31/1996	CHLOROETHANE	0.0	U	1
KBA-11-13A	5/29/1996	CHLOROETHANE	0.0	U	1
KBA-11-13A	4/18/1996	CHLOROETHANE	0.0	U	1
KBA-11-13A	4/12/1995	CHLOROETHANE	0.0	U	1
KBA-11-13A	**9/15/1994**	**CHLOROETHANE**	**50.0**	**U**	**1**
KBA-11-13A	**4/9/1994**	**CHLOROETHANE**	**170.0**	**U**	**1**
KBA-11-13A	**1/7/1994**	**CHLOROETHANE**	**200.0**	**U**	**1**
KBA-11-13A	**11/9/1999**	**CIS-1,2-DICHLOROETHENE**	**260.0**		**70**
KBA-11-13A	**8/3/1999**	**CIS-1,2-DICHLOROETHENE**	**190.0**		**70**
KBA-11-13A	**11/10/1997**	**CIS-1,2-DICHLOROETHENE**	**190.0**		**70**
KBA-11-13A	**9/18/1997**	**CIS-1,2-DICHLOROETHENE**	**770.0**		**70**
KBA-11-13A	9/18/1997	CIS-1,2-DICHLOROETHENE	0.0	U	70

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Groundwater Protection Standard Analyses
KBA-11-13A, Site 11 NSB Kings Bay

LOCATION	SAMPLE DATE	PARAMETER	RESULT (ug/L)	Q	CRITERIA (ug/L)
KBA-11-13A	**10/24/1996**	**CIS-1,2-DICHLOROETHENE**	**190.0**		**70**
KBA-11-13A	**7/17/1996**	**CIS-1,2-DICHLOROETHENE**	**250.0**		**70**
KBA-11-13A	**6/28/1996**	**CIS-1,2-DICHLOROETHENE**	**320.0**		**70**
KBA-11-13A	**6/13/1996**	**CIS-1,2-DICHLOROETHENE**	**300.0**		**70**
KBA-11-13A	**6/8/1996**	**CIS-1,2-DICHLOROETHENE**	**360.0**		**70**
KBA-11-13A	**6/5/1996**	**CIS-1,2-DICHLOROETHENE**	**320.0**		**70**
KBA-11-13A	**5/31/1996**	**CIS-1,2-DICHLOROETHENE**	**280.0**		**70**
KBA-11-13A	**5/29/1996**	**CIS-1,2-DICHLOROETHENE**	**320.0**		**70**
KBA-11-13A	4/18/1996	CIS-1,2-DICHLOROETHENE	13.0		70
KBA-11-13A	**4/12/1995**	**CIS-1,2-DICHLOROETHENE**	**440.0**		**70**
KBA-11-13A	**9/15/1994**	**CIS-1,2-DICHLOROETHENE**	**700.0**		**70**
KBA-11-13A	11/9/1999	ETHYLBENZENE	92.0		700
KBA-11-13A	8/3/1999	ETHYLBENZENE	66.0		700
KBA-11-13A	9/18/1997	ETHYLBENZENE	140.0		700
KBA-11-13A	9/18/1997	ETHYLBENZENE	53.0		700
KBA-11-13A	10/24/1996	ETHYLBENZENE	160.0		700
KBA-11-13A	7/17/1996	ETHYLBENZENE	120.0		700
KBA-11-13A	6/28/1996	ETHYLBENZENE	120.0		700
KBA-11-13A	6/13/1996	ETHYLBENZENE	110.0		700
KBA-11-13A	6/8/1996	ETHYLBENZENE	100.0		700
KBA-11-13A	6/5/1996	ETHYLBENZENE	98.0		700
KBA-11-13A	5/31/1996	ETHYLBENZENE	120.0		700
KBA-11-13A	5/29/1996	ETHYLBENZENE	120.0		700
KBA-11-13A	4/18/1996	ETHYLBENZENE	7.0		700
KBA-11-13A	4/12/1995	ETHYLBENZENE	120.0		700
KBA-11-13A	9/15/1994	ETHYLBENZENE	110.0		700
KBA-11-13A	4/9/1994	ETHYLBENZENE	120.0		700
KBA-11-13A	1/7/1994	ETHYLBENZENE	130.0		700
KBA-11-13A	11/9/1999	TETRACHLOROETHENE	3.0	U	5
KBA-11-13A	8/3/1999	TETRACHLOROETHENE	3.0	U	5
KBA-11-13A	**11/10/1997**	**TETRACHLOROETHENE**	**420.0**		**5**
KBA-11-13A	9/18/1997	TETRACHLOROETHENE	0.0	U	5
KBA-11-13A	9/18/1997	TETRACHLOROETHENE	0.0	U	5
KBA-11-13A	**10/24/1996**	**TETRACHLOROETHENE**	**420.0**		**5**
KBA-11-13A	**7/17/1996**	**TETRACHLOROETHENE**	**1800.0**		**5**
KBA-11-13A	**6/28/1996**	**TETRACHLOROETHENE**	**1200.0**		**5**
KBA-11-13A	**6/13/1996**	**TETRACHLOROETHENE**	**710.0**		**5**
KBA-11-13A	**6/8/1996**	**TETRACHLOROETHENE**	**1200.0**		**5**
KBA-11-13A	**6/5/1996**	**TETRACHLOROETHENE**	**960.0**		**5**
KBA-11-13A	**5/31/1996**	**TETRACHLOROETHENE**	**770.0**		**5**
KBA-11-13A	**5/29/1996**	**TETRACHLOROETHENE**	**1000.0**		**5**
KBA-11-13A	**4/18/1996**	**TETRACHLOROETHENE**	**15.0**		**5**
KBA-11-13A	**4/12/1995**	**TETRACHLOROETHENE**	**1300.0**		**5**
KBA-11-13A	**9/15/1994**	**TETRACHLOROETHENE**	**460.0**		**5**
KBA-11-13A	**4/9/1994**	**TETRACHLOROETHENE**	**580.0**		**5**
KBA-11-13A	**1/7/1994**	**TETRACHLOROETHENE**	**100.0**	**U**	**5**
KBA-11-13A	11/9/1999	TOLUENE	4.2		1000
KBA-11-13A	8/3/1999	TOLUENE	2.7		1000
KBA-11-13A	9/18/1997	TOLUENE	18.0	J	1000
KBA-11-13A	9/18/1997	TOLUENE	0.0	U	1000
KBA-11-13A	10/24/1996	TOLUENE	30.0		1000
KBA-11-13A	7/17/1996	TOLUENE	20.0	J	1000
KBA-11-13A	6/28/1996	TOLUENE	0.0	U	1000
KBA-11-13A	6/13/1996	TOLUENE	17.0		1000
KBA-11-13A	6/8/1996	TOLUENE	0.0	U	1000
KBA-11-13A	6/5/1996	TOLUENE	25.0		1000

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Groundwater Protection Standard Analyses
KBA-11-13A, Site 11 NSB Kings Bay

LOCATION	SAMPLE DATE	PARAMETER	RESULT (ug/L)	Q	CRITERIA (ug/L)
KBA-11-13A	5/31/1996	TOLUENE	0.0	U	1000
KBA-11-13A	5/29/1996	TOLUENE	23.0	J	1000
KBA-11-13A	4/18/1996	TOLUENE	3.0		1000
KBA-11-13A	4/12/1995	TOLUENE	75.0		1000
KBA-11-13A	9/15/1994	TOLUENE	120.0		1000
KBA-11-13A	4/9/1994	TOLUENE	89.0		1000
KBA-11-13A	1/7/1994	TOLUENE	170.0		1000
KBA-11-13A	11/9/1999	TRANS-1,2-DICHLOROETHENE	6.6		100
KBA-11-13A	8/3/1999	TRANS-1,2-DICHLOROETHENE	7.4		100
KBA-11-13A	9/18/1997	TRANS-1,2-DICHLOROETHENE	11.0	J	100
KBA-11-13A	10/24/1996	TRANS-1,2-DICHLOROETHENE	5.0	J	100
KBA-11-13A	7/17/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-13A	6/28/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-13A	6/13/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-13A	6/8/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-13A	6/5/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-13A	5/31/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-13A	5/29/1996	TRANS-1,2-DICHLOROETHENE	9.0		100
KBA-11-13A	4/18/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-13A	4/12/1995	TRANS-1,2-DICHLOROETHENE	11.0		100
KBA-11-13A	9/15/1994	TRANS-1,2-DICHLOROETHENE	50.0	U	100
KBA-11-13A	**11/9/1999**	**TRICHLOROETHENE**	**17.0**		**5**
KBA-11-13A	**8/3/1999**	**TRICHLOROETHENE**	**19.0**		**5**
KBA-11-13A	**11/10/1997**	**TRICHLOROETHENE**	**540.0**		**5**
KBA-11-13A	**9/18/1997**	**TRICHLOROETHENE**	**170.0**		**5**
KBA-11-13A	9/18/1997	TRICHLOROETHENE	0.0	U	5
KBA-11-13A	**10/24/1996**	**TRICHLOROETHENE**	**540.0**		**5**
KBA-11-13A	**7/17/1996**	**TRICHLOROETHENE**	**1000.0**		**5**
KBA-11-13A	**6/28/1996**	**TRICHLOROETHENE**	**750.0**		**5**
KBA-11-13A	**6/13/1996**	**TRICHLOROETHENE**	**620.0**		**5**
KBA-11-13A	**6/8/1996**	**TRICHLOROETHENE**	**880.0**		**5**
KBA-11-13A	**6/5/1996**	**TRICHLOROETHENE**	**700.0**		**5**
KBA-11-13A	**5/31/1996**	**TRICHLOROETHENE**	**640.0**		**5**
KBA-11-13A	**5/29/1996**	**TRICHLOROETHENE**	**800.0**		**5**
KBA-11-13A	**4/18/1996**	**TRICHLOROETHENE**	**9.0**		**5**
KBA-11-13A	**4/12/1995**	**TRICHLOROETHENE**	**790.0**		**5**
KBA-11-13A	**9/15/1994**	**TRICHLOROETHENE**	**770.0**		**5**
KBA-11-13A	**4/9/1994**	**TRICHLOROETHENE**	**2400.0**		**5**
KBA-11-13A	**1/7/1994**	**TRICHLOROETHENE**	**300.0**		**5**
KBA-11-13A	**11/9/1999**	**VINYL CHLORIDE**	**46.0**		**2**
KBA-11-13A	**8/3/1999**	**VINYL CHLORIDE**	**48.0**		**2**
KBA-11-13A	**11/10/1997**	**VINYL CHLORIDE**	**14.0**		**2**
KBA-11-13A	**9/18/1997**	**VINYL CHLORIDE**	**39.0**		**2**
KBA-11-13A	9/18/1997	VINYL CHLORIDE	0.0	U	2
KBA-11-13A	**10/24/1996**	**VINYL CHLORIDE**	**14.0**		**2**
KBA-11-13A	7/17/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-13A	6/28/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-13A	6/13/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-13A	6/8/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-13A	6/5/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-13A	5/31/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-13A	**5/29/1996**	**VINYL CHLORIDE**	**7.0**		**2**
KBA-11-13A	4/18/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-13A	**4/12/1995**	**VINYL CHLORIDE**	**53.0**		**2**
KBA-11-13A	**9/15/1994**	**VINYL CHLORIDE**	**50.0**	**U**	**2**
KBA-11-13A	**4/9/1994**	**VINYL CHLORIDE**	**110.0**	**J**	**2**

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Groundwater Protection Standard Analyses
KBA-11-13A, Site 11 NSB Kings Bay

LOCATION	SAMPLE DATE	PARAMETER	RESULT (ug/L)	Q	CRITERIA (ug/L)
KBA-11-13A	**1/7/1994**	**VINYL CHLORIDE**	**170.0**	**J**	**2**
KBA-11-13A	11/9/1999	XYLENES, TOTAL	49.0		10000
KBA-11-13A	8/3/1999	XYLENES, TOTAL	14.4		10000
KBA-11-13A	9/18/1997	XYLENES, TOTAL	240.0		10000
KBA-11-13A	10/24/1996	XYLENES, TOTAL	300.0		10000
KBA-11-13A	7/17/1996	XYLENES, TOTAL	140.0		10000
KBA-11-13A	4/18/1996	XYLENES, TOTAL	21.0		10000
KBA-11-13A	4/12/1995	XYLENES, TOTAL	260.0		10000
KBA-11-13A	9/15/1994	XYLENES, TOTAL	310.0		10000
KBA-11-13A	4/9/1994	XYLENES, TOTAL	200.0		10000
KBA-11-13A	1/7/1994	XYLENES, TOTAL	240.0		10000

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J = estimeted value.
BOLD exceeds the GPS.

Groundwater Protection Standard Analyses
KBA-11-13B, Site 11 NSB Kings Bay

LOCATION	SAMPLE DATE	PARAMETER	RESULT (ug/L)	Q	CRITERIA (ug/L)
KBA-11-13B	8/3/1999	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-13B	9/18/1997	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-13B	10/22/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-13B	4/17/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-13B	9/15/1994	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-13B	4/9/1994	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-13B	1/7/1994	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-13B	8/3/1999	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-13B	9/18/1997	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-13B	10/22/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-13B	4/17/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-13B	9/15/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-13B	4/9/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-13B	1/7/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-13B	8/3/1999	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-13B	8/3/1999	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-13B	9/18/1997	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-13B	9/18/1997	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-13B	4/17/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-13B	4/17/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-13B	9/15/1994	1,4-DICHLOROBENZENE	10.0	U	75
KBA-11-13B	9/15/1994	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-13B	8/3/1999	BENZENE	1.0	U	5
KBA-11-13B	9/18/1997	BENZENE	0.0	U	5
KBA-11-13B	10/22/1996	BENZENE	0.0	U	5
KBA-11-13B	4/17/1996	BENZENE	3.0		5
KBA-11-13B	9/15/1994	BENZENE	1.0	U	5
KBA-11-13B	4/9/1994	BENZENE	1.0	U	5
KBA-11-13B	1/7/1994	BENZENE	1.0	U	5
KBA-11-13B	8/3/1999	CHLOROBENZENE	1.0	U	1
KBA-11-13B	9/18/1997	CHLOROBENZENE	0.0	U	1
KBA-11-13B	10/22/1996	CHLOROBENZENE	0.0	U	1
KBA-11-13B	4/17/1996	CHLOROBENZENE	1.0	J	1
KBA-11-13B	9/15/1994	CHLOROBENZENE	1.0	U	1
KBA-11-13B	4/9/1994	CHLOROBENZENE	1.0	U	1
KBA-11-13B	1/7/1994	CHLOROBENZENE	1.0	U	1
KBA-11-13B	8/3/1999	CHLOROETHANE	2.0	U	1
KBA-11-13B	9/18/1997	CHLOROETHANE	0.0	U	1
KBA-11-13B	10/22/1996	CHLOROETHANE	0.0	U	1
KBA-11-13B	4/17/1996	CHLOROETHANE	0.0	U	1
KBA-11-13B	9/15/1994	CHLOROETHANE	1.0	U	1
KBA-11-13B	4/9/1994	CHLOROETHANE	1.0	U	1
KBA-11-13B	1/7/1994	CHLOROETHANE	1.0	U	1
KBA-11-13B	8/3/1999	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-13B	9/18/1997	CIS-1,2-DICHLOROETHENE	0.0	U	70
KBA-11-13B	10/22/1996	CIS-1,2-DICHLOROETHENE	0.0	U	70
KBA-11-13B	4/17/1996	CIS-1,2-DICHLOROETHENE	16.0		70
KBA-11-13B	9/15/1994	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-13B	4/9/1994	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-13B	1/7/1994	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-13B	8/3/1999	ETHYLBENZENE	1.0	U	700
KBA-11-13B	9/18/1997	ETHYLBENZENE	0.0	U	700
KBA-11-13B	10/22/1996	ETHYLBENZENE	0.2	J	700
KBA-11-13B	4/17/1996	ETHYLBENZENE	8.0		700
KBA-11-13B	9/15/1994	ETHYLBENZENE	1.0	U	700
KBA-11-13B	4/9/1994	ETHYLBENZENE	1.0	U	700

U = compound was analyzed for but not detected to the level shown.
J = estimated value.

Groundwater Protection Standard Analyses
KBA-11-13B, Site 11 NSB Kings Bay

LOCATION	SAMPLE DATE	PARAMETER	RESULT (ug/L)	Q	CRITERIA (ug/L)
KBA-11-13B	1/7/1994	ETHYLBENZENE	1.0	U	700
KBA-11-13B	8/3/1999	TETRACHLOROETHENE	3.0	U	5
KBA-11-13B	9/18/1997	TETRACHLOROETHENE	0.0	U	5
KBA-11-13B	10/22/1996	TETRACHLOROETHENE	0.0	U	5
KBA-11-13B	4/17/1996	TETRACHLOROETHENE	0.0	U	5
KBA-11-13B	9/15/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-13B	4/9/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-13B	1/7/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-13B	8/3/1999	TOLUENE	1.0	U	1000
KBA-11-13B	9/18/1997	TOLUENE	0.0	U	1000
KBA-11-13B	10/22/1996	TOLUENE	0.0	U	1000
KBA-11-13B	4/17/1996	TOLUENE	0.5	J	1000
KBA-11-13B	9/15/1994	TOLUENE	1.0	U	1000
KBA-11-13B	4/9/1994	TOLUENE	1.0	U	1000
KBA-11-13B	1/7/1994	TOLUENE	1.0	U	1000
KBA-11-13B	8/3/1999	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-13B	9/18/1997	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-13B	10/22/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-13B	4/17/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-13B	9/15/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-13B	4/9/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-13B	1/7/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-13B	8/3/1999	TRICHLOROETHENE	1.0	U	5
KBA-11-13B	9/18/1997	TRICHLOROETHENE	0.0	U	5
KBA-11-13B	10/22/1996	TRICHLOROETHENE	0.0	U	5
KBA-11-13B	4/17/1996	TRICHLOROETHENE	0.0	U	5
KBA-11-13B	9/15/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-13B	4/9/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-13B	1/7/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-13B	8/3/1999	VINYL CHLORIDE	1.0	U	2
KBA-11-13B	9/18/1997	VINYL CHLORIDE	0.0	U	2
KBA-11-13B	10/22/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-13B	4/17/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-13B	9/15/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-13B	4/9/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-13B	1/7/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-13B	8/3/1999	XYLENES, TOTAL	3.0	U	10000
KBA-11-13B	9/18/1997	XYLENES, TOTAL	0.0	U	10000
KBA-11-13B	10/22/1996	XYLENES, TOTAL	0.0	U	10000
KBA-11-13B	4/17/1996	XYLENES, TOTAL	0.0	U	10000
KBA-11-13B	9/15/1994	XYLENES, TOTAL	1.0	U	10000
KBA-11-13B	4/9/1994	XYLENES, TOTAL	1.0	U	10000
KBA-11-13B	1/7/1994	XYLENES, TOTAL	1.0	U	10000

U = compound was analyzed for but not detected to the level shown.
J = estimated value.

Groundwater Protection Standard Analyses
KBA-11-15, Site 11 NSB Kings Bay

LOCATION	SAMPLE DATE	PARAMETER	RESULT (ug/L)	Q	CRITERIA (ug/L)
KBA-11-15	8/3/1999	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-15	9/16/1997	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-15	4/16/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-15	4/16/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-15	9/15/1994	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-15	4/6/1994	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-15	1/5/1994	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-15	8/3/1999	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-15	4/16/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-15	4/16/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-15	9/15/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-15	4/6/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-15	1/5/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-15	8/3/1999	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-15	8/3/1999	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-15	4/16/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-15	4/16/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-15	4/16/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-15	4/16/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-15	9/15/1994	1,4-DICHLOROBENZENE	10.0	U	75
KBA-11-15	9/15/1994	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-15	9/14/1994	1,4-DICHLOROBENZENE	20.0	R	75
KBA-11-15	8/3/1999	BENZENE	1.0	U	5
KBA-11-15	9/16/1997	BENZENE	0.0	U	5
KBA-11-15	4/16/1996	BENZENE	0.0	U	5
KBA-11-15	4/16/1996	BENZENE	0.0	U	5
KBA-11-15	9/15/1994	BENZENE	1.0	U	5
KBA-11-15	4/6/1994	BENZENE	1.0	U	5
KBA-11-15	1/5/1994	BENZENE	1.0	U	5
KBA-11-15	8/3/1999	CHLOROBENZENE	1.0	U	1
KBA-11-15	4/16/1996	CHLOROBENZENE	0.0	U	1
KBA-11-15	4/16/1996	CHLOROBENZENE	0.0	U	1
KBA-11-15	9/15/1994	CHLOROBENZENE	1.0	U	1
KBA-11-15	4/6/1994	CHLOROBENZENE	1.0	U	1
KBA-11-15	1/5/1994	CHLOROBENZENE	1.0	U	1
KBA-11-15	8/3/1999	CHLOROETHANE	1.0	U	1
KBA-11-15	4/16/1996	CHLOROETHANE	0.0	U	1
KBA-11-15	4/16/1996	CHLOROETHANE	0.0	U	1
KBA-11-15	9/15/1994	CHLOROETHANE	1.0	U	1
KBA-11-15	4/6/1994	CHLOROETHANE	1.0	U	1
KBA-11-15	1/5/1994	CHLOROETHANE	1.0	U	1
KBA-11-15	8/3/1999	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-15	11/10/1997	CIS-1,2-DICHLOROETHENE	5.0	U	70
KBA-11-15	9/16/1997	CIS-1,2-DICHLOROETHENE	0.0	U	70
KBA-11-15	4/16/1996	CIS-1,2-DICHLOROETHENE	0.0	U	70
KBA-11-15	4/16/1996	CIS-1,2-DICHLOROETHENE	0.0	U	70
KBA-11-15	9/15/1994	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-15	4/6/1994	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-15	1/5/1994	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-15	8/3/1999	ETHYLBENZENE	1.0	U	700
KBA-11-15	9/16/1997	ETHYLBENZENE	0.0	U	700
KBA-11-15	4/16/1996	ETHYLBENZENE	0.0	U	700
KBA-11-15	4/16/1996	ETHYLBENZENE	0.0	U	700
KBA-11-15	9/15/1994	ETHYLBENZENE	1.0	U	700
KBA-11-15	4/6/1994	ETHYLBENZENE	1.0	U	700
KBA-11-15	1/5/1994	ETHYLBENZENE	1.0	U	700

U = compound was analyzed for but not detected to the level shown.

Groundwater Protection Standard Analyses
KBA-11-15, Site 11 NSB Kings Bay

LOCATION	SAMPLE DATE	PARAMETER	RESULT (ug/L)	Q	CRITERIA (ug/L)
KBA-11-15	8/3/1999	TETRACHLOROETHENE	3.0	U	5
KBA-11-15	11/10/1997	TETRACHLOROETHENE	5.0	U	5
KBA-11-15	9/16/1997	TETRACHLOROETHENE	0.0	U	5
KBA-11-15	4/16/1996	TETRACHLOROETHENE	0.0	U	5
KBA-11-15	4/16/1996	TETRACHLOROETHENE	0.0	U	5
KBA-11-15	9/15/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-15	4/6/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-15	1/5/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-15	8/3/1999	TOLUENE	1.0	U	1000
KBA-11-15	9/16/1997	TOLUENE	0.0	U	1000
KBA-11-15	4/16/1996	TOLUENE	0.0	U	1000
KBA-11-15	4/16/1996	TOLUENE	0.0	U	1000
KBA-11-15	9/15/1994	TOLUENE	1.0	U	1000
KBA-11-15	4/6/1994	TOLUENE	1.0	U	1000
KBA-11-15	1/5/1994	TOLUENE	1.0	U	1000
KBA-11-15	8/3/1999	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-15	4/16/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-15	4/16/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-15	9/15/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-15	4/6/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-15	1/5/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-15	8/3/1999	TRICHLOROETHENE	1.0	U	5
KBA-11-15	11/10/1997	TRICHLOROETHENE	5.0	U	5
KBA-11-15	9/16/1997	TRICHLOROETHENE	0.0	U	5
KBA-11-15	4/16/1996	TRICHLOROETHENE	0.0	U	5
KBA-11-15	4/16/1996	TRICHLOROETHENE	0.0	U	5
KBA-11-15	9/15/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-15	4/6/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-15	1/5/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-15	8/3/1999	VINYL CHLORIDE	1.0	U	2
KBA-11-15	11/10/1997	VINYL CHLORIDE	2.0	U	2
KBA-11-15	9/16/1997	VINYL CHLORIDE	0.0	U	2
KBA-11-15	4/16/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-15	4/16/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-15	9/15/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-15	4/6/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-15	1/5/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-15	8/3/1999	XYLENES, TOTAL	3.0	U	10000
KBA-11-15	4/16/1996	XYLENES, TOTAL	0.0	U	10000
KBA-11-15	4/16/1996	XYLENES, TOTAL	0.0	U	10000
KBA-11-15	9/15/1994	XYLENES, TOTAL	1.0	U	10000
KBA-11-15	4/6/1994	XYLENES, TOTAL	1.0	U	10000
KBA-11-15	1/5/1994	XYLENES, TOTAL	1.0	U	10000

U = compound was analyzed for but not detected to the level shown.

Groundwater Protection Analyses
KBA-11-16, Site 11 NSB Kings Bay

LOCATION	SAMPLE DATE	PARAMETER	RESULT (ug/L)	Q	CRITERIA (ug/L)
KBA-11-16	**11/9/1999**	**1,1-DICHLOROETHANE**	**1.6**	**I**	**1**
KBA-11-16	8/3/1999	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-16	**9/18/1997**	**1,1-DICHLOROETHANE**	**3.0**		**1**
KBA-11-16	3/8/1997	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-16	**10/22/1996**	**1,1-DICHLOROETHANE**	**3.2**		**1**
KBA-11-16	**10/22/1996**	**1,1-DICHLOROETHANE**	**5.3**		**1**
KBA-11-16	**7/17/1996**	**1,1-DICHLOROETHANE**	**24.0**		**1**
KBA-11-16	**6/13/1996**	**1,1-DICHLOROETHANE**	**11.0**		**1**
KBA-11-16	**5/29/1996**	**1,1-DICHLOROETHANE**	**13.0**		**1**
KBA-11-16	**4/17/1996**	**1,1-DICHLOROETHANE**	**32.0**		**1**
KBA-11-16	**4/12/1995**	**1,1-DICHLOROETHANE**	**18.0**		**1**
KBA-11-16	**9/15/1994**	**1,1-DICHLOROETHANE**	**2.0**		**1**
KBA-11-16	**9/15/1994**	**1,1-DICHLOROETHANE**	**3.0**		**1**
KBA-11-16	**4/7/1994**	**1,1-DICHLOROETHANE**	**11.0**		**1**
KBA-11-16	**1/7/1994**	**1,1-DICHLOROETHANE**	**13.0**		**1**
KBA-11-16	**1/7/1994**	**1,1-DICHLOROETHANE**	**11.0**	**R**	**1**
KBA-11-16	11/9/1999	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-16	8/3/1999	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-16	9/18/1997	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-16	10/22/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-16	10/22/1996	1,1-DICHLOROETHENE	0.3	J	7
KBA-11-16	7/17/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-16	6/13/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-16	5/29/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-16	4/17/1996	1,1-DICHLOROETHENE	2.0		7
KBA-11-16	4/12/1995	1,1-DICHLOROETHENE	1.0	J	7
KBA-11-16	9/15/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-16	9/15/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-16	4/7/1994	1,1-DICHLOROETHENE	8.4	U	7
KBA-11-16	1/7/1994	1,1-DICHLOROETHENE	0.7	J	7
KBA-11-16	1/7/1994	1,1-DICHLOROETHENE	20.0	UR	7
KBA-11-16	11/9/1999	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-16	8/3/1999	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-16	11/9/1999	1,4-DICHLOROBENZENE	1.0	U	
KBA-11-16	8/3/1999	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-16	9/18/1997	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-16	9/18/1997	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-16	6/13/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-16	6/13/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-16	5/29/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-16	5/29/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-16	4/17/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-16	4/17/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-16	4/12/1995	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-16	4/12/1995	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-16	9/15/1994	1,4-DICHLOROBENZENE	10.0	U	75
KBA-11-16	9/15/1994	1,4-DICHLOROBENZENE	10.0	U	75
KBA-11-16	9/15/1994	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-16	9/15/1994	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-16	11/9/1999	BENZENE	1.0	U	5
KBA-11-16	8/3/1999	BENZENE	1.0	U	5
KBA-11-16	9/18/1997	BENZENE	0.0	U	5
KBA-11-16	3/8/1997	BENZENE	0.0	U	5
KBA-11-16	10/22/1996	BENZENE	0.0	U	5
KBA-11-16	10/22/1996	BENZENE	0.0	U	5

U = compound was analyzed for but not detected to the level shown.
J = estimated value.
Bold indicates result exceeds the Groundwater Protection Standard.

Groundwater Protection Analyses
KBA-11-16, Site 11 NSB Kings Bay

LOCATION	SAMPLE DATE	PARAMETER	RESULT (ug/L)	Q	CRITERIA (ug/L)
KBA-11-16	7/17/1996	BENZENE	0.0	U	5
KBA-11-16	6/13/1996	BENZENE	0.0	U	5
KBA-11-16	5/29/1996	BENZENE	0.0	U	5
KBA-11-16	4/17/1996	BENZENE	1.0		5
KBA-11-16	4/12/1995	BENZENE	0.4	J	5
KBA-11-16	9/15/1994	BENZENE	1.0	U	5
KBA-11-16	9/15/1994	BENZENE	1.0	U	5
KBA-11-16	4/7/1994	BENZENE	8.4	U	5
KBA-11-16	1/7/1994	BENZENE	2.0		5
KBA-11-16	1/7/1994	BENZENE	20.0	UR	5
KBA-11-16	11/9/1999	CHLOROBENZENE	1.0	U	1
KBA-11-16	8/3/1999	CHLOROBENZENE	1.0	U	1
KBA-11-16	9/18/1997	CHLOROBENZENE	0.0	U	1
KBA-11-16	10/22/1996	CHLOROBENZENE	0.0	U	1
KBA-11-16	10/22/1996	CHLOROBENZENE	0.0	U	1
KBA-11-16	7/17/1996	CHLOROBENZENE	0.0	U	1
KBA-11-16	6/13/1996	CHLOROBENZENE	0.0	U	1
KBA-11-16	5/29/1996	CHLOROBENZENE	0.0	U	1
KBA-11-16	4/17/1996	CHLOROBENZENE	0.0	U	1
KBA-11-16	4/12/1995	CHLOROBENZENE	0.0	U	1
KBA-11-16	9/15/1994	CHLOROBENZENE	1.0	U	1
KBA-11-16	9/15/1994	CHLOROBENZENE	1.0	U	1
KBA-11-16	4/7/1994	CHLOROBENZENE	8.4	U	1
KBA-11-16	1/7/1994	CHLOROBENZENE	1.0	U	1
KBA-11-16	1/7/1994	CHLOROBENZENE	20.0	UR	1
KBA-11-16	11/9/1999	CHLOROETHANE	1.0	U	1
KBA-11-16	8/3/1999	CHLOROETHANE	1.0	U	1
KBA-11-16	9/18/1997	CHLOROETHANE	0.0	U	1
KBA-11-16	10/22/1996	CHLOROETHANE	0.0	U	1
KBA-11-16	10/22/1996	CHLOROETHANE	0.0	U	1
KBA-11-16	7/17/1996	CHLOROETHANE	0.0	U	1
KBA-11-16	6/13/1996	CHLOROETHANE	0.0	U	1
KBA-11-16	5/29/1996	CHLOROETHANE	2.0		1
KBA-11-16	4/17/1996	CHLOROETHANE	0.0	U	1
KBA-11-16	4/12/1995	CHLOROETHANE	0.0	U	1
KBA-11-16	9/15/1994	CHLOROETHANE	1.0	U	1
KBA-11-16	9/15/1994	CHLOROETHANE	1.0	U	1
KBA-11-16	4/7/1994	CHLOROETHANE	17.0	U	1
KBA-11-16	1/7/1994	CHLOROETHANE	1.0	U	1
KBA-11-16	1/7/1994	CHLOROETHANE	20.0	UR	1
KBA-11-16	11/9/1999	CIS-1,2-DICHLOROETHENE	3.6		70
KBA-11-16	8/3/1999	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-16	11/10/1997	CIS-1,2-DICHLOROETHENE	5.0	U	70
KBA-11-16	9/18/1997	CIS-1,2-DICHLOROETHENE	1.0		70
KBA-11-16	3/8/1997	CIS-1,2-DICHLOROETHENE	0.0	U	70
KBA-11-16	10/22/1996	CIS-1,2-DICHLOROETHENE	0.7	J	70
KBA-11-16	10/22/1996	CIS-1,2-DICHLOROETHENE	1.2		70
KBA-11-16	7/17/1996	CIS-1,2-DICHLOROETHENE	5.0	J	70
KBA-11-16	6/13/1996	CIS-1,2-DICHLOROETHENE	3.0		70
KBA-11-16	5/29/1996	CIS-1,2-DICHLOROETHENE	4.0		70
KBA-11-16	4/17/1996	CIS-1,2-DICHLOROETHENE	6.0		70
KBA-11-16	4/12/1995	CIS-1,2-DICHLOROETHENE	3.0		70
KBA-11-16	9/15/1994	CIS-1,2-DICHLOROETHENE	1.0		70
KBA-11-16	9/15/1994	CIS-1,2-DICHLOROETHENE	0.9	J	70
KBA-11-16	1/7/1994	CIS-1,2-DICHLOROETHENE	7.0		70

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LOCATION	SAMPLE DATE	PARAMETER	RESULT (ug/L)	Q	CRITERIA (ug/L)
KBA-11-16	1/7/1994	CIS-1,2-DICHLOROETHENE	20.0	UR	70
KBA-11-16	11/9/1999	ETHYLBENZENE	1.0	U	700
KBA-11-16	8/3/1999	ETHYLBENZENE	1.0	U	700
KBA-11-16	9/18/1997	ETHYLBENZENE	0.0	U	700
KBA-11-16	10/22/1996	ETHYLBENZENE	0.0	U	700
KBA-11-16	10/22/1996	ETHYLBENZENE	0.2	J	700
KBA-11-16	7/17/1996	ETHYLBENZENE	0.0	U	700
KBA-11-16	6/13/1996	ETHYLBENZENE	0.0	U	700
KBA-11-16	5/29/1996	ETHYLBENZENE	0.0	U	700
KBA-11-16	4/17/1996	ETHYLBENZENE	3.0		700
KBA-11-16	4/12/1995	ETHYLBENZENE	0.0	U	700
KBA-11-16	9/15/1994	ETHYLBENZENE	1.0	U	700
KBA-11-16	9/15/1994	ETHYLBENZENE	1.0	U	700
KBA-11-16	4/7/1994	ETHYLBENZENE	8.4	U	700
KBA-11-16	1/7/1994	ETHYLBENZENE	5.0		700
KBA-11-16	1/7/1994	ETHYLBENZENE	20.0	UR	700
KBA-11-16	11/9/1999	TETRACHLOROETHENE	3.0	U	5
KBA-11-16	8/3/1999	TETRACHLOROETHENE	3.0	U	5
KBA-11-16	11/10/1997	TETRACHLOROETHENE	5.0	U	5
KBA-11-16	9/18/1997	TETRACHLOROETHENE	0.0	U	5
KBA-11-16	3/8/1997	TETRACHLOROETHENE	0.0	U	5
KBA-11-16	10/22/1996	TETRACHLOROETHENE	0.0	U	5
KBA-11-16	10/22/1996	TETRACHLOROETHENE	0.0	U	5
KBA-11-16	7/17/1996	TETRACHLOROETHENE	0.0	U	5
KBA-11-16	6/13/1996	TETRACHLOROETHENE	0.0	U	5
KBA-11-16	5/29/1996	TETRACHLOROETHENE	0.0	U	5
KBA-11-16	4/17/1996	TETRACHLOROETHENE	0.0	U	5
KBA-11-16	4/12/1995	TETRACHLOROETHENE	0.0	U	5
KBA-11-16	9/15/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-16	9/15/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-16	4/7/1994	TETRACHLOROETHENE	8.4	U	5
KBA-11-16	1/7/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-16	1/7/1994	TETRACHLOROETHENE	20.0	UR	5
KBA-11-16	11/9/1999	TOLUENE	1.0	U	1000
KBA-11-16	8/3/1999	TOLUENE	1.0	U	1000
KBA-11-16	9/18/1997	TOLUENE	0.0	U	1000
KBA-11-16	10/22/1996	TOLUENE	1.2		1000
KBA-11-16	10/22/1996	TOLUENE	1.6		1000
KBA-11-16	7/17/1996	TOLUENE	3.0	J	1000
KBA-11-16	6/13/1996	TOLUENE	0.0	U	1000
KBA-11-16	5/29/1996	TOLUENE	3.0		1000
KBA-11-16	4/17/1996	TOLUENE	37.0		1000
KBA-11-16	4/12/1995	TOLUENE	2.0		1000
KBA-11-16	9/15/1994	TOLUENE	1.0	U	1000
KBA-11-16	9/15/1994	TOLUENE	1.0	U	1000
KBA-11-16	4/7/1994	TOLUENE	24.0		1000
KBA-11-16	1/7/1994	TOLUENE	32.0	R	1000
KBA-11-16	1/7/1994	TOLUENE	23.0		1000
KBA-11-16	11/9/1999	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-16	8/3/1999	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-16	9/18/1997	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-16	10/22/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-16	10/22/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-16	7/17/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-16	6/13/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100

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Groundwater Protection Analyses
KBA-11-16, Site 11 NSB Kings Bay

LOCATION	SAMPLE DATE	PARAMETER	RESULT (ug/L)	Q	CRITERIA (ug/L)
KBA-11-16	5/29/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-16	4/17/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-16	4/12/1995	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-16	9/15/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-16	9/15/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-16	1/7/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-16	1/7/1994	TRANS-1,2-DICHLOROETHENE	20.0	UR	100
KBA-11-16	11/9/1999	TRICHLOROETHENE	1.0	U	2
KBA-11-16	8/3/1999	TRICHLOROETHENE	1.0	U	5
KBA-11-16	11/10/1997	TRICHLOROETHENE	5.0	U	5
KBA-11-16	9/18/1997	TRICHLOROETHENE	0.0	U	5
KBA-11-16	3/8/1997	TRICHLOROETHENE	0.0	U	5
KBA-11-16	10/22/1996	TRICHLOROETHENE	0.0	U	5
KBA-11-16	10/22/1996	TRICHLOROETHENE	0.0	U	5
KBA-11-16	7/17/1996	TRICHLOROETHENE	0.0	U	5
KBA-11-16	6/13/1996	TRICHLOROETHENE	0.0	U	5
KBA-11-16	5/29/1996	TRICHLOROETHENE	0.0	U	5
KBA-11-16	4/17/1996	TRICHLOROETHENE	0.0	U	5
KBA-11-16	4/12/1995	TRICHLOROETHENE	0.1	J	5
KBA-11-16	9/15/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-16	9/15/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-16	4/7/1994	TRICHLOROETHENE	8.4	U	5
KBA-11-16	1/7/1994	TRICHLOROETHENE	0.6	J	5
KBA-11-16	1/7/1994	TRICHLOROETHENE	20.0	UR	5
KBA-11-16	11/9/1999	VINYL CHLORIDE	1.4	I	2
KBA-11-16	8/3/1999	VINYL CHLORIDE	1.0	U	2
KBA-11-16	11/10/1997	VINYL CHLORIDE	2.0	U	2
KBA-11-16	9/18/1997	VINYL CHLORIDE	0.0	U	2
KBA-11-16	3/8/1997	VINYL CHLORIDE	0.0	U	2
KBA-11-16	10/22/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-16	10/22/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-16	7/17/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-16	6/13/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-16	5/29/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-16	4/17/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-16	4/12/1995	VINYL CHLORIDE	0.3	J	2
KBA-11-16	9/15/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-16	9/15/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-16	4/7/1994	VINYL CHLORIDE	17.0	U	2
KBA-11-16	1/7/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-16	1/7/1994	VINYL CHLORIDE	20.0	UR	2
KBA-11-16	11/9/1999	XYLENES, TOTAL	3.0	U	10000
KBA-11-16	8/3/1999	XYLENES, TOTAL	3.0	U	10000
KBA-11-16	9/18/1997	XYLENES, TOTAL	0.0	U	10000
KBA-11-16	10/22/1996	XYLENES, TOTAL	0.0	U	10000
KBA-11-16	10/22/1996	XYLENES, TOTAL	0.0	U	10000
KBA-11-16	7/17/1996	XYLENES, TOTAL	0.0	U	10000
KBA-11-16	4/17/1996	XYLENES, TOTAL	4.0		10000
KBA-11-16	4/12/1995	XYLENES, TOTAL	0.0	U	10000
KBA-11-16	9/15/1994	XYLENES, TOTAL	1.0	U	10000
KBA-11-16	9/15/1994	XYLENES, TOTAL	1.0	U	10000
KBA-11-16	4/7/1994	XYLENES, TOTAL	5.4	J	10000
KBA-11-16	1/7/1994	XYLENES, TOTAL	12.0		10000
KBA-11-16	1/7/1994	XYLENES, TOTAL	6.0	R	10000

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Groundwater Protection Standard Analyses
KBA-11-17B, Site 11 NSB Kings Bay

LOCATION	SAMPLE DATE	PARAMETER	RESULT (ug/L)	Q	CRITERIA (ug/L)
KBA-11-17B	8/3/1999	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-17B	4/17/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-17B	4/17/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-17B	4/12/1995	1,1-DICHLOROETHANE	0.4	J	1
KBA-11-17B	9/15/1994	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-17B	4/7/1994	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-17B	1/7/1994	1,1-DICHLOROETHANE	1.0		1
KBA-11-17B	1/7/1994	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-17B	8/3/1999	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-17B	4/17/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-17B	4/17/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-17B	4/12/1995	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-17B	9/15/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-17B	4/7/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-17B	1/7/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-17B	1/7/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-17B	8/3/1999	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-17B	8/3/1999	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-17B	4/17/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-17B	4/17/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-17B	4/17/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-17B	4/17/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-17B	4/12/1995	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-17B	4/12/1995	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-17B	9/15/1994	1,4-DICHLOROBENZENE	10.0	U	75
KBA-11-17B	9/15/1994	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-17B	8/3/1999	BENZENE	1.0	U	5
KBA-11-17B	4/17/1996	BENZENE	0.0	U	5
KBA-11-17B	4/17/1996	BENZENE	0.0	U	5
KBA-11-17B	4/12/1995	BENZENE	0.6	J	5
KBA-11-17B	9/15/1994	BENZENE	1.0	U	5
KBA-11-17B	4/7/1994	BENZENE	1.0	U	5
KBA-11-17B	1/7/1994	BENZENE	0.5	J	5
KBA-11-17B	1/7/1994	BENZENE	1.0	U	5
KBA-11-17B	8/3/1999	CHLOROBENZENE	1.0	U	1
KBA-11-17B	4/17/1996	CHLOROBENZENE	0.0	U	1
KBA-11-17B	4/17/1996	CHLOROBENZENE	0.0	U	1
KBA-11-17B	4/12/1995	CHLOROBENZENE	0.0	U	1
KBA-11-17B	9/15/1994	CHLOROBENZENE	1.0	U	1
KBA-11-17B	4/7/1994	CHLOROBENZENE	1.0	U	1
KBA-11-17B	1/7/1994	CHLOROBENZENE	1.0	U	1
KBA-11-17B	1/7/1994	CHLOROBENZENE	1.0	U	1
KBA-11-17B	8/3/1999	CHLOROETHANE	1.0	U	1
KBA-11-17B	4/17/1996	CHLOROETHANE	0.0	U	1
KBA-11-17B	4/17/1996	CHLOROETHANE	0.0	U	1
KBA-11-17B	4/12/1995	CHLOROETHANE	0.0	U	1
KBA-11-17B	9/15/1994	CHLOROETHANE	1.0	U	1
KBA-11-17B	4/7/1994	CHLOROETHANE	1.0	U	1
KBA-11-17B	1/7/1994	CHLOROETHANE	1.0	U	1
KBA-11-17B	1/7/1994	CHLOROETHANE	1.0	U	1
KBA-11-17B	8/3/1999	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-17B	11/10/1997	CIS-1,2-DICHLOROETHENE	5.0	U	70
KBA-11-17B	4/17/1996	CIS-1,2-DICHLOROETHENE	0.0	U	70
KBA-11-17B	4/17/1996	CIS-1,2-DICHLOROETHENE	0.0	U	70
KBA-11-17B	4/12/1995	CIS-1,2-DICHLOROETHENE	0.4	J	70
KBA-11-17B	9/15/1994	CIS-1,2-DICHLOROETHENE	1.0	U	70

Groundwater Protection Standard Analyses
KBA-11-17B, Site 11 NSB Kings Bay

LOCATION	SAMPLE DATE	PARAMETER	RESULT (ug/L)	Q	CRITERIA (ug/L)
KBA-11-17B	4/7/1994	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-17B	1/7/1994	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-17B	1/7/1994	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-17B	8/3/1999	ETHYLBENZENE	1.0	U	700
KBA-11-17B	4/17/1996	ETHYLBENZENE	0.0	U	700
KBA-11-17B	4/17/1996	ETHYLBENZENE	0.0	U	700
KBA-11-17B	4/12/1995	ETHYLBENZENE	0.0	U	700
KBA-11-17B	9/15/1994	ETHYLBENZENE	1.0	U	700
KBA-11-17B	4/7/1994	ETHYLBENZENE	1.0	U	700
KBA-11-17B	1/7/1994	ETHYLBENZENE	1.0	U	700
KBA-11-17B	1/7/1994	ETHYLBENZENE	1.0	U	700
KBA-11-17B	8/3/1999	TETRACHLOROETHENE	3.0	U	5
KBA-11-17B	11/10/1997	TETRACHLOROETHENE	5.0	U	5
KBA-11-17B	4/17/1996	TETRACHLOROETHENE	0.0	U	5
KBA-11-17B	4/17/1996	TETRACHLOROETHENE	0.0	U	5
KBA-11-17B	4/12/1995	TETRACHLOROETHENE	0.0	U	5
KBA-11-17B	9/15/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-17B	4/7/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-17B	1/7/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-17B	1/7/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-17B	8/3/1999	TOLUENE	1.0	U	1000
KBA-11-17B	4/17/1996	TOLUENE	0.0	U	1000
KBA-11-17B	4/17/1996	TOLUENE	0.0	U	1000
KBA-11-17B	4/12/1995	TOLUENE	0.0	U	1000
KBA-11-17B	9/15/1994	TOLUENE	1.0	U	1000
KBA-11-17B	4/7/1994	TOLUENE	1.0	U	1000
KBA-11-17B	1/7/1994	TOLUENE	1.0	U	1000
KBA-11-17B	1/7/1994	TOLUENE	1.0	U	1000
KBA-11-17B	8/3/1999	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-17B	4/17/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-17B	4/17/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-17B	4/12/1995	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-17B	9/15/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-17B	4/7/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-17B	1/7/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-17B	1/7/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-17B	8/3/1999	TRICHLOROETHENE	1.0	U	5
KBA-11-17B	11/10/1997	TRICHLOROETHENE	5.0	U	5
KBA-11-17B	4/17/1996	TRICHLOROETHENE	0.0	U	5
KBA-11-17B	4/17/1996	TRICHLOROETHENE	0.0	U	5
KBA-11-17B	4/12/1995	TRICHLOROETHENE	0.0	U	5
KBA-11-17B	9/15/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-17B	4/7/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-17B	1/7/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-17B	1/7/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-17B	8/3/1999	VINYL CHLORIDE	1.0	U	2
KBA-11-17B	11/10/1997	VINYL CHLORIDE	2.0	U	2
KBA-11-17B	4/17/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-17B	4/17/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-17B	4/12/1995	VINYL CHLORIDE	0.0	U	2
KBA-11-17B	9/15/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-17B	4/7/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-17B	1/7/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-17B	1/7/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-17B	8/3/1999	XYLENES, TOTAL	3.0	U	10000
KBA-11-17B	4/17/1996	XYLENES, TOTAL	0.0	U	10000

Groundwater Protection Standard Analyses
KBA-11-17B, Site 11 NSB Kings Bay

LOCATION	SAMPLE DATE	PARAMETER	RESULT (ug/L)	Q	CRITERIA (ug/L)
KBA-11-17B	4/17/1996	XYLENES, TOTAL	0.0	U	10000
KBA-11-17B	4/12/1995	XYLENES, TOTAL	0.0	U	10000
KBA-11-17B	9/15/1994	XYLENES, TOTAL	1.0	U	10000
KBA-11-17B	4/7/1994	XYLENES, TOTAL	1.0	U	10000
KBA-11-17B	1/7/1994	XYLENES, TOTAL	1.0	U	10000
KBA-11-17B	1/7/1994	XYLENES, TOTAL	1.0	U	10000

Groundwater Protection Standard Analyses
KBA-11-34, Site 11 NSB Kings Bay

LOCATION	SAMPLE DATE	PARAMETER	RESULT (ug/L)	Q	CRITERIA (ug/L)
KBA-11-34	11/9/1999	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-34	8/2/1999	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-34	11/9/1999	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-34	8/2/1999	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-34	11/9/1999	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-34	8/2/1999	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-34	11/9/1999	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-34	8/2/1999	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-34	11/9/1999	BENZENE	1.0	U	5
KBA-11-34	8/2/1999	BENZENE	1.0	U	5
KBA-11-34	11/9/1999	CHLOROBENZENE	1.0	U	1
KBA-11-34	8/2/1999	CHLOROBENZENE	1.0	U	1
KBA-11-34	11/9/1999		1.0	U	1
KBA-11-34	8/2/1999	CHLOROETHANE	2.0	U	1
KBA-11-34	11/9/1999	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-34	8/2/1999	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-34	11/9/1999	ETHYLBENZENE	1.0	U	700
KBA-11-34	8/2/1999	ETHYLBENZENE	1.0	U	700
KBA-11-34	**11/9/1999**	**TETRACHLOROETHENE**	**22.0**		**5**
KBA-11-34	**8/2/1999**	**TETRACHLOROETHENE**	**17.0**		**5**
KBA-11-34	11/9/1999	TOLUENE	1.0	U	1000
KBA-11-34	8/2/1999	TOLUENE	1.0	U	1000
KBA-11-34	11/9/1999	TRANS-1,2-DICHLOROETHENE	1.0		100
KBA-11-34	8/2/1999	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-34	11/9/1999	TRICHLOROETHENE	1.0	U	5
KBA-11-34	8/2/1999	TRICHLOROETHENE	1.0	I	5
KBA-11-34	11/9/1999	VINYL CHLORIDE	1.0	U	2
KBA-11-34	8/2/1999	VINYL CHLORIDE	1.0	U	2
KBA-11-34	11/9/1999	XYLENES, TOTAL	3.0	U	10000
KBA-11-34	8/2/1999	XYLENES, TOTAL	3.0	U	10000

U = compound was analyzed for but not detected to the level shown.

Groundwater Protection Standard Analyses
KBA-11-37, Site 11 NSB Kings Bay

LOCATION	SAMPLE DATE	PARAMETER	RESULT (ug/L)	Q	CRITERIA (ug/L)
KBA-11-37	11/9/1999	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-37	8/16/1999	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-37	11/9/1999	1,1-DICHLOROETHENE	1.0	U	1
KBA-11-37	8/16/1999	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-37	11/9/1999	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-37	8/16/1999	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-37	11/9/1999	1,4-DICHLOROBENZENE	4.7		75
KBA-11-37	8/16/1999	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-37	11/9/1999	BENZENE	2.0		5
KBA-11-37	8/16/1999	BENZENE	2.1		5
KBA-11-37	**11/9/1999**	**CHLOROBENZENE**	**3.1**		**1**
KBA-11-37	**8/16/1999**	**CHLOROBENZENE**	**2.9**		**1**
KBA-11-37	11/9/1999	CHLOROETHANE	1.0	U	1
KBA-11-37	8/16/1999	CHLOROETHANE	1.0	U	1
KBA-11-37	11/9/1999	CIS-1,2-DICHLOROETHENE	17.0		70
KBA-11-37	8/16/1999	CIS-1,2-DICHLOROETHENE	24.0		70
KBA-11-37	11/9/1999	ETHYLBENZENE	14.0	U	700
KBA-11-37	8/16/1999	ETHYLBENZENE	15.0		700
KBA-11-37	11/9/1999	TETRACHLOROETHENE	3.0	U	5
KBA-11-37	8/16/1999	TETRACHLOROETHENE	3.0	U	5
KBA-11-37	11/9/1999	TOLUENE	1.0	U	1000
KBA-11-37	8/16/1999	TOLUENE	1.0	U	1000
KBA-11-37	11/9/1999	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-37	8/16/1999	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-37	11/9/1999	TRICHLOROETHENE	1.0	U	5
KBA-11-37	8/16/1999	TRICHLOROETHENE	1.0	U	5
KBA-11-37	11/9/1999	VINYL CHLORIDE	1.4	I	2
KBA-11-37	**8/16/1999**	**VINYL CHLORIDE**	**2.5**	**I**	**2**
KBA-11-37	11/9/1999	XYLENES, TOTAL	3.0	U	10000
KBA-11-37	8/16/1999	XYLENES, TOTAL	3.0	U	10000

I = analyte detected; value is between the method detection level and the practical quantitation limit.
U = compound was analyzed for but not detected to the level shown.
BOLD result exceeds GPS.

Groundwater Protection Standard Analyses
PS-2, Site 11 NSB Kings Bay

LOCATION	SAMPLE DATE	PARAMETER	RESULT	Q	CRITERIA (ug/L)
PS-2	**11/9/1999**	**1,1-DICHLOROETHANE**	**5.1**		**1**
PS-2	**8/17/1999**	**1,1-DICHLOROETHANE**	**5.6**		**1**
PS-2	**9/16/1997**	**1,1-DICHLOROETHANE**	**8.0**	**J**	**1**
PS-2	**3/8/1997**	**1,1-DICHLOROETHANE**	**10.0**		**1**
PS-2	10/24/1996	1,1-DICHLOROETHANE	0.0	U	1
PS-2	**7/17/1996**	**1,1-DICHLOROETHANE**	**13.0**	**J**	**1**
PS-2	6/28/1996	1,1-DICHLOROETHANE	0.0	U	1
PS-2	6/13/1996	1,1-DICHLOROETHANE	0.0	U	1
PS-2	6/8/1996	1,1-DICHLOROETHANE	0.0	U	1
PS-2	**6/6/1996**	**1,1-DICHLOROETHANE**	**11.0**		**1**
PS-2	**6/5/1996**	**1,1-DICHLOROETHANE**	**11.0**		**1**
PS-2	**5/31/1996**	**1,1-DICHLOROETHANE**	**11.0**		**1**
PS-2	**5/29/1996**	**1,1-DICHLOROETHANE**	**10.0**		**1**
PS-2	**4/18/1996**	**1,1-DICHLOROETHANE**	**16.0**		**1**
PS-2	11/9/1999	1,1-DICHLOROETHENE	1.0	U	7
PS-2	8/17/1999	1,1-DICHLOROETHENE	1.0		7
PS-2	9/16/1997	1,1-DICHLOROETHENE	0.0	U	7
PS-2	10/24/1996	1,1-DICHLOROETHENE	0.0	U	7
PS-2	7/17/1996	1,1-DICHLOROETHENE	0.0	U	7
PS-2	6/28/1996	1,1-DICHLOROETHENE	0.0	U	7
PS-2	6/13/1996	1,1-DICHLOROETHENE	0.0	U	7
PS-2	6/8/1996	1,1-DICHLOROETHENE	0.0	U	7
PS-2	6/6/1996	1,1-DICHLOROETHENE	0.0	U	7
PS-2	6/5/1996	1,1-DICHLOROETHENE	0.0	U	7
PS-2	5/31/1996	1,1-DICHLOROETHENE	0.0	U	7
PS-2	5/29/1996	1,1-DICHLOROETHENE	0.0	U	7
PS-2	4/18/1996	1,1-DICHLOROETHENE	0.0	U	7
PS-2	11/9/1999	1,2-DICHLOROETHANE	1.0	U	5
PS-2	8/17/1999	1,2-DICHLOROETHANE	1.0	U	5
PS-2	11/9/1999	1,4-DICHLOROBENZENE	1.0	U	75
PS-2	8/17/1999	1,4-DICHLOROBENZENE	1.0	U	75
PS-2	6/28/1996	1,4-DICHLOROBENZENE	0.0	U	75
PS-2	6/28/1996	1,4-DICHLOROBENZENE	0.0	U	75
PS-2	6/13/1996	1,4-DICHLOROBENZENE	0.0	U	75
PS-2	6/13/1996	1,4-DICHLOROBENZENE	0.0	U	75
PS-2	6/8/1996	1,4-DICHLOROBENZENE	0.0	U	75
PS-2	6/8/1996	1,4-DICHLOROBENZENE	0.0	U	75
PS-2	6/6/1996	1,4-DICHLOROBENZENE	0.0	U	75
PS-2	6/6/1996	1,4-DICHLOROBENZENE	0.0	U	75
PS-2	6/5/1996	1,4-DICHLOROBENZENE	0.0	U	75
PS-2	6/5/1996	1,4-DICHLOROBENZENE	0.0	U	75
PS-2	5/31/1996	1,4-DICHLOROBENZENE	0.0	U	75
PS-2	5/31/1996	1,4-DICHLOROBENZENE	0.0	U	75
PS-2	5/29/1996	1,4-DICHLOROBENZENE	0.0	U	75
PS-2	5/29/1996	1,4-DICHLOROBENZENE	0.0	U	75
PS-2	4/18/1996	1,4-DICHLOROBENZENE	0.0		75
PS-2	4/18/1996	1,4-DICHLOROBENZENE	0.0	U	75
PS-2	**11/9/1999**	**BENZENE**	**9.4**		**5**
PS-2	**8/17/1999**	**BENZENE**	**9.1**		**5**
PS-2	**9/16/1997**	**BENZENE**	**10.0**		**5**
PS-2	**3/8/1997**	**BENZENE**	**5.9**		**5**
PS-2	10/24/1996	BENZENE	0.0	U	5
PS-2	7/17/1996	BENZENE	4.0	J	5
PS-2	6/28/1996	BENZENE	0.0	U	5
PS-2	6/13/1996	BENZENE	0.0	U	5
PS-2	6/8/1996	BENZENE	0.0	U	5

I = analyte detected; value is between the method detection level and the practical quantitation level.
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BOLD exceeds GPS.

Groundwater Protection Standard Analyses
PS-2, Site 11 NSB Kings Bay

LOCATION	SAMPLE DATE	PARAMETER	RESULT	Q	CRITERIA (ug/L)
PS-2	6/6/1996	BENZENE	0.0	U	5
PS-2	6/5/1996	BENZENE	0.0	U	5
PS-2	5/31/1996	BENZENE	0.0	U	5
PS-2	5/29/1996	BENZENE	2.0		5
PS-2	4/18/1996	BENZENE	1.0		5
PS-2	11/9/1999	CHLOROBENZENE	1.0	U	1
PS-2	8/17/1999	CHLOROBENZENE	1.0	U	1
PS-2	9/16/1997	CHLOROBENZENE	0.0	U	1
PS-2	10/24/1996	CHLOROBENZENE	0.0	U	1
PS-2	7/17/1996	CHLOROBENZENE	0.0	U	1
PS-2	6/28/1996	CHLOROBENZENE	0.0	U	1
PS-2	6/13/1996	CHLOROBENZENE	0.0	U	1
PS-2	6/8/1996	CHLOROBENZENE	0.0	U	1
PS-2	6/6/1996	CHLOROBENZENE	0.0	U	1
PS-2	6/5/1996	CHLOROBENZENE	0.0	U	1
PS-2	5/31/1996	CHLOROBENZENE	0.0	U	1
PS-2	5/29/1996	CHLOROBENZENE	0.0	U	1
PS-2	4/18/1996	CHLOROBENZENE	0.0	U	1
PS-2	11/9/1999	CHLOROETHANE	1.0	U	1
PS-2	8/17/1999	CHLOROETHANE	1.0	U	1
PS-2	9/16/1997	CHLOROETHANE	0.0	U	1
PS-2	10/24/1996	CHLOROETHANE	0.0	U	1
PS-2	7/17/1996	CHLOROETHANE	0.0	U	1
PS-2	6/28/1996	CHLOROETHANE	0.0	U	1
PS-2	6/13/1996	CHLOROETHANE	0.0	U	1
PS-2	6/8/1996	CHLOROETHANE	0.0	U	1
PS-2	6/6/1996	CHLOROETHANE	0.0	U	1
PS-2	6/5/1996	CHLOROETHANE	0.0	U	1
PS-2	5/31/1996	CHLOROETHANE	0.0	U	1
PS-2	5/29/1996	CHLOROETHANE	0.0	U	1
PS-2	4/18/1996	CHLOROETHANE	0.0	U	1
PS-2	11/9/1999	CIS-1,2-DICHLOROETHENE	40.0		70
PS-2	8/17/1999	CIS-1,2-DICHLOROETHENE	41.0		70
PS-2	9/16/1997	CIS-1,2-DICHLOROETHENE	41.0		70
PS-2	**3/8/1997**	**CIS-1,2-DICHLOROETHENE**	**110.0**		**70**
PS-2	10/24/1996	CIS-1,2-DICHLOROETHENE	15.0		70
PS-2	**7/17/1996**	**CIS-1,2-DICHLOROETHENE**	**200.0**		**70**
PS-2	**6/28/1996**	**CIS-1,2-DICHLOROETHENE**	**210.0**		**70**
PS-2	**6/13/1996**	**CIS-1,2-DICHLOROETHENE**	**140.0**		**70**
PS-2	**6/8/1996**	**CIS-1,2-DICHLOROETHENE**	**75.0**		**70**
PS-2	**6/6/1996**	**CIS-1,2-DICHLOROETHENE**	**170.0**		**70**
PS-2	**6/5/1996**	**CIS-1,2-DICHLOROETHENE**	**160.0**		**70**
PS-2	**5/31/1996**	**CIS-1,2-DICHLOROETHENE**	**160.0**		**70**
PS-2	**5/29/1996**	**CIS-1,2-DICHLOROETHENE**	**210.0**		**70**
PS-2	**4/18/1996**	**CIS-1,2-DICHLOROETHENE**	**320.0**		**70**
PS-2	11/9/1999	ETHYLBENZENE	16.0		700
PS-2	8/17/1999	ETHYLBENZENE	10.0		700
PS-2	9/16/1997	ETHYLBENZENE	7.0	J	700
PS-2	10/24/1996	ETHYLBENZENE	0.0	U	700
PS-2	7/17/1996	ETHYLBENZENE	3.0	J	700
PS-2	6/28/1996	ETHYLBENZENE	0.0	U	700
PS-2	6/13/1996	ETHYLBENZENE	0.0	U	700
PS-2	6/8/1996	ETHYLBENZENE	24.0		700
PS-2	6/6/1996	ETHYLBENZENE	0.0	U	700
PS-2	6/5/1996	ETHYLBENZENE	0.0	U	700
PS-2	5/31/1996	ETHYLBENZENE	0.0	U	700

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BOLD exceeds GPS.

Groundwater Protection Standard Analyses
PS-2, Site 11 NSB Kings Bay

LOCATION	SAMPLE DATE	PARAMETER	RESULT	Q	CRITERIA (ug/L)
PS-2	5/29/1996	ETHYLBENZENE	3.0		700
PS-2	4/18/1996	ETHYLBENZENE	2.0		700
PS-2	11/9/1999	TETRACHLOROETHENE	3.0	U	5
PS-2	8/17/1999	TETRACHLOROETHENE	3.0	U	5
PS-2	9/16/1997	TETRACHLOROETHENE	0.0	U	5
PS-2	3/8/1997	TETRACHLOROETHENE	0.0	U	5
PS-2	10/24/1996	TETRACHLOROETHENE	0.0	U	5
PS-2	7/17/1996	TETRACHLOROETHENE	0.0	U	5
PS-2	6/28/1996	TETRACHLOROETHENE	0.0	U	5
PS-2	6/13/1996	TETRACHLOROETHENE	0.0	U	5
PS-2	**6/8/1996**	**TETRACHLOROETHENE**	**270.0**		**5**
PS-2	6/6/1996	TETRACHLOROETHENE	0.0	U	5
PS-2	6/5/1996	TETRACHLOROETHENE	0.0	U	5
PS-2	5/31/1996	TETRACHLOROETHENE	0.0	U	5
PS-2	5/29/1996	TETRACHLOROETHENE	0.0	U	5
PS-2	4/18/1996	TETRACHLOROETHENE	0.0	U	5
PS-2	11/9/1999	TOLUENE	57.0		1000
PS-2	8/17/1999	TOLUENE	43.0		1000
PS-2	9/16/1997	TOLUENE	100.0		1000
PS-2	10/24/1996	TOLUENE	0.0	U	1000
PS-2	7/17/1996	TOLUENE	110.0		1000
PS-2	6/28/1996	TOLUENE	0.0	U	1000
PS-2	6/13/1996	TOLUENE	74.0		1000
PS-2	6/8/1996	TOLUENE	0.0	U	1000
PS-2	6/6/1996	TOLUENE	71.0		1000
PS-2	6/5/1996	TOLUENE	75.0		1000
PS-2	5/31/1996	TOLUENE	69.0		1000
PS-2	5/29/1996	TOLUENE	66.0		1000
PS-2	4/18/1996	TOLUENE	10.0	J	1000
PS-2	11/9/1999	TRANS-1,2-DICHLOROETHENE	1.0	U	
PS-2	8/17/1999	TRANS-1,2-DICHLOROETHENE	1.0	U	100
PS-2	9/16/1997	TRANS-1,2-DICHLOROETHENE	0.0	U	100
PS-2	10/24/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
PS-2	7/17/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
PS-2	6/28/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
PS-2	6/13/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
PS-2	6/8/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
PS-2	6/6/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
PS-2	6/5/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
PS-2	5/31/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
PS-2	5/29/1996	TRANS-1,2-DICHLOROETHENE	1.0		100
PS-2	4/18/1996	TRANS-1,2-DICHLOROETHENE	5.0		100
PS-2	11/9/1999	TRICHLOROETHENE	1.4	I	5
PS-2	8/17/1999	TRICHLOROETHENE	1.3	I	5
PS-2	9/16/1997	TRICHLOROETHENE	1.0	J	5
PS-2	3/8/1997	TRICHLOROETHENE	2.8		5
PS-2	10/24/1996	TRICHLOROETHENE	0.0	U	5
PS-2	7/17/1996	TRICHLOROETHENE	4.0	J	5
PS-2	6/28/1996	TRICHLOROETHENE	0.0	U	5
PS-2	6/13/1996	TRICHLOROETHENE	0.0	U	5
PS-2	**6/8/1996**	**TRICHLOROETHENE**	**200.0**		**5**
PS-2	6/6/1996	TRICHLOROETHENE	0.0	U	5
PS-2	6/5/1996	TRICHLOROETHENE	0.0	U	5
PS-2	5/31/1996	TRICHLOROETHENE	0.0	U	5
PS-2	5/29/1996	TRICHLOROETHENE	2.0		5
PS-2	4/18/1996	TRICHLOROETHENE	3.0		5

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BOLD exceeds GPS.

Groundwater Protection Standard Analyses
PS-2, Site 11 NSB Kings Bay

LOCATION	SAMPLE DATE	PARAMETER	RESULT	Q	CRITERIA (ug/L)
PS-2	**11/9/1999**	**VINYL CHLORIDE**	**2.9**		**2**
PS-2	**8/17/1999**	**VINYL CHLORIDE**	**3.2**	**I**	**2**
PS-2	9/16/1997	VINYL CHLORIDE	1.0	J	2
PS-2	**3/8/1997**	**VINYL CHLORIDE**	**8.8**		**2**
PS-2	10/24/1996	VINYL CHLORIDE	0.0	U	2
PS-2	7/17/1996	VINYL CHLORIDE	0.0	U	2
PS-2	6/28/1996	VINYL CHLORIDE	0.0	U	2
PS-2	6/13/1996	VINYL CHLORIDE	0.0	U	2
PS-2	6/8/1996	VINYL CHLORIDE	0.0	U	2
PS-2	6/6/1996	VINYL CHLORIDE	0.0	U	2
PS-2	6/5/1996	VINYL CHLORIDE	0.0	U	2
PS-2	5/31/1996	VINYL CHLORIDE	0.0	U	2
PS-2	**5/29/1996**	**VINYL CHLORIDE**	**5.0**		**2**
PS-2	**4/18/1996**	**VINYL CHLORIDE**	**8.0**		**2**
PS-2	11/9/1999	XYLENES, TOTAL	47.0		10000
PS-2	8/17/1999	XYLENES, TOTAL	29.0		10000
PS-2	9/16/1997	XYLENES, TOTAL	17.0		10000
PS-2	10/24/1996	XYLENES, TOTAL	0.0	U	10000
PS-2	7/17/1996	XYLENES, TOTAL	7.0	J	10000
PS-2	4/18/1996	XYLENES, TOTAL	4.0		10000

I = analyte detected; value is between the method detection level and the practical quantitation level.
J = estimated value.
U = compound was analyzed for but not detected to the level shown.
BOLD exceeds GPS.

CLIENT : Bechtel Environmental, Inc.
ADDRESS: NAS Jacksonville
P.O. Box 171
Jacksonville, FL 32215

REPORT # : JR9323
DATE SUBMITTED: November 10, 1999
DATE REPORTED : November 15, 1999

ATTENTION: Mr. Mark Gage

SAMPLE IDENTIFICATION

Samples submitted and
identified by client as:

Site 11 NSB Kings Bay

11/09/99

#1	- KBA-11-2	@ 07:50
#2	- KBA-11-34	@ 08:50
#3	- KBA-11-13A	@ 09:50
#4	- PS-2	@ 10:50
#5	- DUP-01	@ 10:20
#6	- KBA-11-16	@ 13:55
#7	- KBA-11-37	@ 15:05

PROJECT MANAGER _____
Scott D. Martin

ENCO LABORATORIES
REPORT # : JR9323
DATE REPORTED: November 15, 1999
REFERENCE : WO# JX163
PROJECT NAME : Site 11 NSB Kings Bay
DATE AMENDED : November 22, 1999

RESULTS OF ANALYSIS

EPA METHOD 8260 - VOLATILE ORGANICS	**KBA-11-2**	**KBA-11-34**	**Units**
Dichlorodifluoromethane	2.0 U	2.0 U	µg/L
Chloromethane	1.0 U	1.0 U	µg/L
Vinyl Chloride	1.0 U	1.0 U	µg/L
Bromomethane	2.0 U	2.0 U	µg/L
Chloroethane	1.0 U	1.0 U	µg/L
Trichlorofluoromethane	1.0 U	1.0 U	µg/L
1,1-Dichloroethene	1.0 U	1.0 U	µg/L
Acetone	50 U	**190**	µg/L
Carbon Disulfide	50 U	50 U	µg/L
Methylene Chloride	5.0 U	5.0 U	µg/L
trans-1,2-Dichloroethene	1.0 U	1.0 U	µg/L
Methyl tert-butyl ether	6.0 U	6.0 U	µg/L
1,1-Dichloroethane	1.0 U	1.0 U	µg/L
2,2-Dichloropropane	2.0 U	2.0 U	µg/L
cis-1,2-Dichloroethene	1.0 U	1.0 U	µg/L
2-Butanone	20 U	20 U	µg/L
Chloroform	1.0 U	1.0 U	µg/L
1,1,1-Trichloroethane	1.0 U	1.0 U	µg/L
Carbon tetrachloride	1.0 U	1.0 U	µg/L
1,1-Dichloropropene	1.0 U	1.0 U	µg/L
Benzene	1.0 U	1.0 U	µg/L
1,2-Dichloroethane	1.0 U	1.0 U	µg/L
Trichloroethene	1.0 U	**1.0** I	µg/L
1,2-Dichloropropane	1.0 U	1.0 U	µg/L
Dibromomethane	1.0 U	1.0 U	µg/L
Bromodichloromethane	1.0 U	1.0 U	µg/L

U = Compound was analyzed for but not detected to the level shown.
I = Analyte detected; value is between the Method Detection Level (MDL) and the Practical Quantitation Level (PQL).

ENCO LABORATORIES
REPORT # : JR9323
DATE REPORTED: November 15, 1999
REFERENCE : WO# JX163
PROJECT NAME : Site 11 NSB Kings Bay

RESULTS OF ANALYSIS

PA METHOD 8260 (cont.) - OLATILE ORGANICS	**KBA-11-2**	**KBA-11-34**	**Units**
-Chloroethyl vinyl ether	6.0 U	6.0 U	µg/L
-1,3-Dichloropropene	1.0 U	1.0 U	µg/L
4-Methyl-2-pentanone	20 U	20 U	µg/L
Toluene	1.0 U	1.0 U	µg/L
-1,3-Dichloropropene	1.0 U	1.0 U	µg/L
1,1,2-Trichloroethane	1.0 U	1.0 U	µg/L
Tetrachloroethene	3.0 U	**22**	µg/L
,3-Dichloropropane	1.0 U	1.0 U	µg/L
-Hexanone	20 U	20 U	µg/L
Dibromochloromethane	1.0 U	1.0 U	µg/L
Dibromoethane	1.0 U	1.0 U	µg/L
hlorobenzene	1.0 U	1.0 U	µg/L
1,1,1,2-Tetrachloroethane	1.0 U	1.0 U	µg/L
Ethylbenzene	1.0 U	1.0 U	µg/L
-Xylene & p-Xylene	2.0 U	2.0 U	µg/L
-Xylene	1.0 U	1.0 U	µg/L
Styrene	1.0 U	1.0 U	µg/L
romoform	1.0 U	1.0 U	µg/L
sopropylbenzene	1.0 U	1.0 U	µg/L
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U	µg/L
romobenzene	1.0 U	1.0 U	µg/L
2,3-Trichlorobenzene	1.0 U	1.0 U	µg/L
n-Propylbenzene	1.0 U	1.0 U	µg/L
2-Chlorotoluene	1.0 U	1.0 U	µg/L
3,5-Trimethylbenzene	1.0 U	1.0 U	µg/L
-Chlorotoluene	1.0 U	1.0 U	µg/L

= Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES
REPORT # : JR9323
DATE REPORTED: November 15, 1999
REFERENCE : WO# JX163
PROJECT NAME : Site 11 NSB Kings Bay

RESULTS OF ANALYSIS

PA METHOD 8260 (cont.) - OLATILE ORGANICS	**KBA-11-2**	**KBA-11-34**	**Units**
ert-Butylbenzene	1.0 U	1.0 U	µg/L
2,4-Trimethylbenzene	1.0 U	1.0 U	µg/L
s-Butylbenzene	1.0 U	1.0 U	µg/L
1,3-Dichlorobenzene	1.0 U	1.0 U	µg/L
-Isopropyltoluene	**3.1**	1.0 U	µg/L
1,4-Dichlorobenzene	1.0 U	1.0 U	µg/L
n-Butylbenzene	1.0 U	1.0 U	µg/L
2-Dichlorobenzene	1.0 U	1.0 U	µg/L
2-Dibromo-3-chloropropane	1.0 U	1.0 U	µg/L
1,2,4-Trichlorobenzene	1.0 U	1.0 U	µg/L
xachlorobutadiene	1.0 U	1.0 U	µg/L
phthalene	2.0 U	2.0 U	µg/L
1,2,3-Trichloropropane	1.0 U	1.0 U	µg/L
Bromochloromethane	1.0 U	1.0 U	µg/L
rrogate:	**% RECOV**	**% RECOV**	**LIMITS**
Dibromofluoromethane	110	112	38-143
-Toluene	90	98	78-126
omofluorobenzene	100	96	72-132
Date Analyzed	11/11/99	11/11/99	

= Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES
REPORT # : JR9323
DATE REPORTED: November 15, 1999
REFERENCE : WO# JX163
PROJECT NAME : Site 11 NSB Kings Bay
DATE AMENDED : November 22, 1999

RESULTS OF ANALYSIS

EPA METHOD 8260 - VOLATILE ORGANICS	**KBA-11-13A**			**PS-2**		**Units**
Dichlorodifluoromethane	20	U	D1	2.0	U	µg/L
Chloromethane	10	U	D1	1.0	U	µg/L
Vinyl Chloride	**46**		D1	**2.9**	I	µg/L
Bromomethane	20	U	D1	2.0	U	µg/L
Chloroethane	10	U	D1	1.0	U	µg/L
Trichlorofluoromethane	10	U	D1	1.0	U	µg/L
1,1-Dichloroethene	10	U	D1	1.0	U	µg/L
Acetone	500	U	D1	50	U	µg/L
Carbon Disulfide	500	U	D1	50	U	µg/L
Methylene Chloride	50	U	D1	5.0	U	µg/L
1,2-Dichloroethene	10	U	D1	1.0	U	µg/L
Methyl tert-butyl ether	60	U	D1	6.0	U	µg/L
1,1-Dichloroethane	10	U	D1	**5.1**		µg/L
2,2-Dichloropropane	20	U	D1	2.0	U	µg/L
cis-1,2-Dichloroethene	**260**		D1	**40**		µg/L
2-Butanone	200	U	D1	20	U	µg/L
Chloroform	10	U	D1	1.0	U	µg/L
1,1,1-Trichloroethane	10	U	D1	1.0	U	µg/L
Carbon tetrachloride	10	U	D1	1.0	U	µg/L
1,1-Dichloropropene	10	U	D1	1.0	U	µg/L
Benzene	10	U	D1	**9.4**		µg/L
1,2-Dichloroethane	10	U	D1	1.0	U	µg/L
Trichloroethene	**15**	I	D1	**1.4**	I	µg/L
1,2-Dichloropropane	10	U	D1	1.0	U	µg/L
Dibromomethane	10	U	D1	1.0	U	µg/L
Bromodichloromethane	10	U	D1	1.0	U	µg/L

U = Compound was analyzed for but not detected to the level shown.
I = Analyte detected; value is between the Method Detection Level (MDL) and the Practical Quantitation Level (PQL).
D1 = Analyte value determined from a 1:10 dilution.

ENCO LABORATORIES
REPORT # : JR9323
DATE REPORTED: November 15, 1999
REFERENCE : WO# JX163
PROJECT NAME : Site 11 NSB Kings Bay

RESULTS OF ANALYSIS

EPA METHOD 8260 (cont.) - VOLATILE ORGANICS	**KBA-11-13A**			**PS-2**		**Units**
2-Chloroethyl vinyl ether	60	U	D1	6.0	U	µg/L
cis-1,3-Dichloropropene	10	U	D1	1.0	U	µg/L
4-Methyl-2-pentanone	200	U	D1	20	U	µg/L
Toluene	10	U	D1	**57**		µg/L
trans-1,3-Dichloropropene	10	U	D1	1.0	U	µg/L
1,1,2-Trichloroethane	10	U	D1	1.0	U	µg/L
Tetrachloroethene	30	U	D1	3.0	U	µg/L
1,3-Dichloropropane	10	U	D1	1.0	U	µg/L
2-Hexanone	200	U	D1	20	U	µg/L
Dibromochloromethane	10	U	D1	1.0	U	µg/L
1,2-Dibromoethane	10	U	D1	1.0	U	µg/L
Chlorobenzene	10	U	D1	1.0	U	µg/L
1,1,1,2-Tetrachloroethane	10	U	D1	1.0	U	µg/L
Ethylbenzene	**65**		D1	**16**		µg/L
m-Xylene & p-Xylene	**24**	I	D1	**29**		µg/L
o-Xylene	10	U	D1	**18**		µg/L
Styrene	10	U	D1	1.0	U	µg/L
Bromoform	10	U	D1	1.0	U	µg/L
Isopropylbenzene	10	U	D1	1.0	U	µg/L
1,1,2,2-Tetrachloroethane	10	U	D1	1.0	U	µg/L
Bromobenzene	10	U	D1	1.0	U	µg/L
1,2,3-Trichlorobenzene	10	U	D1	1.0	U	µg/L
n-Propylbenzene	10	U	D1	1.0	U	µg/L
2-Chlorotoluene	10	U	D1	1.0	U	µg/L
1,3,5-Trimethylbenzene	10	U	D1	1.0	U	µg/L
4-Chlorotoluene	10	U	D1	1.0	U	µg/L

U = Compound was analyzed for but not detected to the level shown.
I = Analyte detected; value is between the Method Detection Level (MDL) and the Practical Quantitation Level (PQL).
D1 = Analyte value determined from a 1:10 dilution.

ENCO LABORATORIES
REPORT # : JR9323
DATE REPORTED: November 15, 1999
REFERENCE : WO# JX163
PROJECT NAME : Site 11 NSB Kings Bay

RESULTS OF ANALYSIS

PA METHOD 8260 (cont.) - OLATILE ORGANICS	KBA-11-13A			PS-2	Units
ert-Butylbenzene	10	U	D1	1.0 U	µg/L
2,4-Trimethylbenzene	**14**	I	D1	1.0 U	µg/L
s-Butylbenzene	10	U	D1	1.0 U	µg/L
1,3-Dichlorobenzene	10	U	D1	1.0 U	µg/L
-Isopropyltoluene	10	U	D1	1.0 U	µg/L
1,4-Dichlorobenzene	10	U	D1	1.0 U	µg/L
n-Butylbenzene	10	U	D1	1.0 U	µg/L
2-Dichlorobenzene	10	U	D1	1.0 U	µg/L
2-Dibromo-3-chloropropane	10	U	D1	1.0 U	µg/L
1,2,4-Trichlorobenzene	10	U	D1	1.0 U	µg/L
chlorobutadiene	10	U	D1	1.0 U	µg/L
pthalene	20	U	D1	2.0 U	µg/L
1,2,3-Trichloropropane	10	U	D1	1.0 U	µg/L
Bromochloromethane	10	U	D1	1.0 U	µg/L
urrogate:	**% RECOV**			**% RECOV**	**LIMITS**
Dibromofluoromethane	113			108	38-143
-Toluene	91			96	78-126
omofluorobenzene	105			106	72-132
Date Analyzed	11/11/99			11/11/99	

= Compound was analyzed for but not detected to the level shown.
= Analyte detected; value is between the Method Detection Level (MDL) and the Practical Quantitation Level (PQL).
= Analyte value determined from a 1:10 dilution.

ENCO LABORATORIES
REPORT # : JR9323
DATE REPORTED: November 15, 1999
REFERENCE : WO# JX163
PROJECT NAME : Site 11 NSB Kings Bay
DATE AMENDED : November 22, 1999

RESULTS OF ANALYSIS

EPA METHOD 8260 - VOLATILE ORGANICS	**DUP-01**		**KBA-11-16**	**Units**
Trichlorodifluoromethane	2.0 U		2.0 U	µg/L
Chloromethane	1.0 U		1.0 U	µg/L
Vinyl Chloride	**42**		**1.4** I	µg/L
Bromomethane	2.0 U		2.0 U	µg/L
Chloroethane	1.0 U		1.0 U	µg/L
Trichlorofluoromethane	1.0 U		1.0 U	µg/L
1,1-Dichloroethene	1.0 U		1.0 U	µg/L
Acetone	50 U		50 U	µg/L
Carbon Disulfide	50 U		50 U	µg/L
Methylene Chloride	5.0 U		5.0 U	µg/L
trans-1,2-Dichloroethene	**6.6**		1.0 U	µg/L
Methyl tert-butyl ether	6.0 U		6.0 U	µg/L
1,1-Dichloroethane	1.0 U		**1.6** I	µg/L
2,2-Dichloropropane	2.0 U		2.0 U	µg/L
cis-1,2-Dichloroethene	**210**	D2	**3.6**	µg/L
2-Butanone	20 U		20 U	µg/L
Chloroform	1.0 U		1.0 U	µg/L
1,1,1-Trichloroethane	1.0 U		1.0 U	µg/L
Carbon tetrachloride	1.0 U		1.0 U	µg/L
1,1-Dichloropropene	1.0 U		1.0 U	µg/L
Benzene	**1.3** I		1.0 U	µg/L
1,2-Dichloroethane	1.0 U		1.0 U	µg/L
Trichloroethene	**17**		1.0 U	µg/L
1,2-Dichloropropane	1.0 U		1.0 U	µg/L
Dibromomethane	1.0 U		1.0 U	µg/L
Bromodichloromethane	1.0 U		1.0 U	µg/L

U = Compound was analyzed for but not detected to the level shown.
I = Analyte detected; value is between the Method Detection Level (MDL) and the Practical Quantitation Level (PQL).
D2 = Analyte value determined from a 1:5 dilution.

ENCO LABORATORIES
REPORT # : JR9323
DATE REPORTED: November 15, 1999
REFERENCE : WO# JX163
PROJECT NAME : Site 11 NSB Kings Bay

RESULTS OF ANALYSIS

EPA METHOD 8260 (cont.) - VOLATILE ORGANICS	**DUP-01**	**KBA-11-16**	**Units**
2-Chloroethyl vinyl ether	6.0 U	6.0 U	µg/L
1,3-Dichloropropene	1.0 U	1.0 U	µg/L
4-Methyl-2-pentanone	20 U	20 U	µg/L
Toluene	**4.2**	1.0 U	µg/L
1,3-Dichloropropene	1.0 U	1.0 U	µg/L
1,1,2-Trichloroethane	1.0 U	1.0 U	µg/L
Tetrachloroethene	3.0 U	3.0 U	µg/L
1,3-Dichloropropane	1.0 U	1.0 U	µg/L
2-Hexanone	20 U	20 U	µg/L
Dibromochloromethane	1.0 U	1.0 U	µg/L
1,2-Dibromoethane	1.0 U	1.0 U	µg/L
Chlorobenzene	**8.2**	1.0 U	µg/L
1,1,1,2-Tetrachloroethane	1.0 U	1.0 U	µg/L
Ethylbenzene	**92**	1.0 U	µg/L
m-Xylene & p-Xylene	**38**	2.0 U	µg/L
o-Xylene	**11**	1.0 U	µg/L
Styrene	1.0 U	1.0 U	µg/L
Bromoform	1.0 U	1.0 U	µg/L
Isopropylbenzene	**3.3**	1.0 U	µg/L
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U	µg/L
Bromobenzene	1.0 U	1.0 U	µg/L
1,2,3-Trichlorobenzene	1.0 U	1.0 U	µg/L
n-Propylbenzene	**5.9**	1.0 U	µg/L
2-Chlorotoluene	1.0 U	1.0 U	µg/L
1,3,5-Trimethylbenzene	**9.3**	1.0 U	µg/L
4-Chlorotoluene	1.0 U	1.0 U	µg/L

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES
REPORT # : JR9323
DATE REPORTED: November 15, 1999
REFERENCE : WO# JX163
PROJECT NAME : Site 11 NSB Kings Bay

RESULTS OF ANALYSIS

EPA METHOD 8260 (cont.) - VOLATILE ORGANICS	DUP-01	KBA-11-16	Units
tert-Butylbenzene	1.0 U	1.0 U	µg/L
1,2,4-Trimethylbenzene	**29**	1.0 U	µg/L
sec-Butylbenzene	1.0 U	1.0 U	µg/L
1,3-Dichlorobenzene	1.0 U	1.0 U	µg/L
4-Isopropyltoluene	**1.2** I	1.0 U	µg/L
1,4-Dichlorobenzene	**5.2**	1.0 U	µg/L
n-Butylbenzene	1.0 U	1.0 U	µg/L
1,2-Dichlorobenzene	1.0 U	1.0 U	µg/L
1,2-Dibromo-3-chloropropane	1.0 U	1.0 U	µg/L
1,2,4-Trichlorobenzene	1.0 U	1.0 U	µg/L
Hexachlorobutadiene	1.0 U	1.0 U	µg/L
Naphthalene	**43**	2.0 U	µg/L
1,2,3-Trichloropropane	1.0 U	1.0 U	µg/L
Bromochloromethane	1.0 U	1.0 U	µg/L
Surrogate:	**% RECOV**	**% RECOV**	**LIMITS**
Dibromofluoromethane	113	110	38-143
d8-Toluene	95	95	78-126
Bromofluorobenzene	111	97	72-132
Date Analyzed	11/11/99	11/11/99	

U = Compound was analyzed for but not detected to the level shown.
I = Analyte detected; value is between the Method Detection Level (MDL) and the Practical Quantitation Level (PQL).

ENCO LABORATORIES
REPORT # : JR9323
DATE REPORTED: November 15, 1999
REFERENCE : WO# JX163
PROJECT NAME : Site 11 NSB Kings Bay
DATE AMENDED : November 22, 1999

RESULTS OF ANALYSIS

EPA METHOD 8260 - VOLATILE ORGANICS	KBA-11-37	LAB BLANK	Units
Dichlorodifluoromethane	2.0 U	2.0 U	µg/L
Chloromethane	1.0 U	1.0 U	µg/L
Vinyl Chloride	**1.4** I	1.0 U	µg/L
Bromomethane	2.0 U	2.0 U	µg/L
Chloroethane	1.0 U	1.0 U	µg/L
Trichlorofluoromethane	1.0 U	1.0 U	µg/L
1,1-Dichloroethene	1.0 U	1.0 U	µg/L
Acetone	50 U	50 U	µg/L
Carbon Disulfide	50 U	50 U	µg/L
hylene Chloride	5.0 U	5.0 U	µg/L
t-1,2-Dichloroethene	1.0 U	1.0 U	µg/L
Methyl tert-butyl ether	6.0 U	6.0 U	µg/L
1,1-Dichloroethane	1.0 U	1.0 U	µg/L
2,2-Dichloropropane	2.0 U	2.0 U	µg/L
c-1,2-Dichloroethene	**17**	1.0 U	µg/L
2-Butanone	20 U	20 U	µg/L
Chloroform	1.0 U	1.0 U	µg/L
1,1,1-Trichloroethane	1.0 U	1.0 U	µg/L
Carbon tetrachloride	1.0 U	1.0 U	µg/L
1,1-Dichloropropene	1.0 U	1.0 U	µg/L
Benzene	**2.0**	1.0 U	µg/L
1,2-Dichloroethane	1.0 U	1.0 U	µg/L
Trichloroethene	1.0 U	1.0 U	µg/L
1,2-Dichloropropane	1.0 U	1.0 U	µg/L
Dibromomethane	1.0 U	1.0 U	µg/L
Bromodichloromethane	1.0 U	1.0 U	µg/L

U Compound was analyzed for but not detected to the level shown.
I Analyte detected; value is between the Method Detection Level (MDL) and the Practical Quantitation Level (PQL).

ENCO LABORATORIES
REPORT # : JR9323
DATE REPORTED: November 15, 1999
REFERENCE : WO# JX163
PROJECT NAME : Site 11 NSB Kings Bay

RESULTS OF ANALYSIS

EPA METHOD 8260 (cont.) - VOLATILE ORGANICS	**KBA-11-37**	**LAB BLANK**	**Units**
2-Chloroethyl vinyl ether	6.0 U	6.0 U	µg/L
trans-1,3-Dichloropropene	1.0 U	1.0 U	µg/L
4-Methyl-2-pentanone	20 U	20 U	µg/L
Toluene	1.0 U	1.0 U	µg/L
cis-1,3-Dichloropropene	1.0 U	1.0 U	µg/L
1,1,2-Trichloroethane	1.0 U	1.0 U	µg/L
Tetrachloroethene	3.0 U	3.0 U	µg/L
1,3-Dichloropropane	1.0 U	1.0 U	µg/L
2-Hexanone	20 U	20 U	µg/L
Dibromochloromethane	1.0 U	1.0 U	µg/L
1,2-Dibromoethane	1.0 U	1.0 U	µg/L
Chlorobenzene	**3.1**	1.0 U	µg/L
1,1,1,2-Tetrachloroethane	1.0 U	1.0 U	µg/L
Ethylbenzene	**14**	1.0 U	µg/L
m-Xylene & p-Xylene	2.0 U	2.0 U	µg/L
o-Xylene	1.0 U	1.0 U	µg/L
Styrene	1.0 U	1.0 U	µg/L
Bromoform	1.0 U	1.0 U	µg/L
Isopropylbenzene	1.0 U	1.0 U	µg/L
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U	µg/L
Bromobenzene	1.0 U	1.0 U	µg/L
1,2,3-Trichlorobenzene	1.0 U	1.0 U	µg/L
n-Propylbenzene	1.0 U	1.0 U	µg/L
2-Chlorotoluene	1.0 U	1.0 U	µg/L
1,3,5-Trimethylbenzene	1.0 U	1.0 U	µg/L
4-Chlorotoluene	1.0 U	1.0 U	µg/L

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES
REPORT # : JR9323
DATE REPORTED: November 15, 1999
REFERENCE : WO# JX163
PROJECT NAME : Site 11 NSB Kings Bay

RESULTS OF ANALYSIS

PA METHOD 8260 (cont.) - OLATILE ORGANICS	KBA-11-37	LAB BLANK	Units
ert-Butylbenzene	1.0 U	1.0 U	µg/L
2,4-Trimethylbenzene	1.0 U	1.0 U	µg/L
s-Butylbenzene	1.0 U	1.0 U	µg/L
1,3-Dichlorobenzene	1.0 U	1.0 U	µg/L
-Isopropyltoluene	1.0 U	1.0 U	µg/L
1,4-Dichlorobenzene	**4.7**	1.0 U	µg/L
n-Butylbenzene	1.0 U	1.0 U	µg/L
2-Dichlorobenzene	1.0 U	1.0 U	µg/L
2-Dibromo-3-chloropropane	1.0 U	1.0 U	µg/L
1,2,4-Trichlorobenzene	1.0 U	1.0 U	µg/L
e chlorobutadiene	1.0 U	1.0 U	µg/L
ap..chalene	**16**	2.0 U	µg/L
1,2,3-Trichloropropane	1.0 U	1.0 U	µg/L
Bromochloromethane	1.0 U	1.0 U	µg/L
rrogate:	**% RECOV**	**% RECOV**	**LIMITS**
Dibromofluoromethane	111	106	38-143
-Toluene	95	92	78-126
romofluorobenzene	104	98	72-132
Date Analyzed	11/11/99	11/11/99	

= Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES
REPORT # : JR9323
DATE REPORTED: November 15, 1999
REFERENCE : WO# JX163
PROJECT NAME : Site 11 NSB Kings Bay
DATE AMENDED : November 22, 1999

RESULTS OF ANALYSIS

PA METHOD 8260 - VOLATILE ORGANICS	**LAB BLANK**	**Units**
ichlorodifluoromethane	2.0 U	µg/L
Chloromethane	1.0 U	µg/L
Vinyl Chloride	1.0 U	µg/L
romomethane	2.0 U	µg/L
hloroethane	1.0 U	µg/L
Trichlorofluoromethane	1.0 U	µg/L
1-Dichloroethene	1.0 U	µg/L
cetone	50 U	µg/L
Carbon Disulfide	50 U	µg/L
ethylene Chloride	5.0 U	µg/L
1,2-Dichloroethene	1.0 U	µg/L
ethyl tert-butyl ether	6.0 U	µg/L
1,1-Dichloroethane	1.0 U	µg/L
2-Dichloropropane	2.0 U	µg/L
1,2-Dichloroethene	1.0 U	µg/L
2-Butanone	20 U	µg/L
loroform	1.0 U	µg/L
1,1-Trichloroethane	1.0 U	µg/L
Carbon tetrachloride	1.0 U	µg/L
1-Dichloropropene	1.0 U	µg/L
nzene	1.0 U	µg/L
2-Dichloroethane	1.0 U	µg/L
Trichloroethene	1.0 U	µg/L
2-Dichloropropane	1.0 U	µg/L
bromomethane	1.0 U	µg/L
romodichloromethane	1.0 U	µg/L

= Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES
REPORT # : JR9323
DATE REPORTED: November 15, 1999
REFERENCE : WO# JX163
PROJECT NAME : Site 11 NSB Kings Bay

RESULTS OF ANALYSIS

EPA METHOD 8260 (cont.) - VOLATILE ORGANICS	LAB BLANK	Units
2-Chloroethyl vinyl ether	6.0 U	µg/L
c-1,3-Dichloropropene	1.0 U	µg/L
4-Methyl-2-pentanone	20 U	µg/L
Toluene	1.0 U	µg/L
t-1,3-Dichloropropene	1.0 U	µg/L
1,1,2-Trichloroethane	1.0 U	µg/L
Tetrachloroethene	3.0 U	µg/L
1,3-Dichloropropane	1.0 U	µg/L
2-Hexanone	20 U	µg/L
Dibromochloromethane	1.0 U	µg/L
1,2-Dibromoethane	1.0 U	µg/L
Chlorobenzene	1.0 U	µg/L
1,1,1,2-Tetrachloroethane	1.0 U	µg/L
Ethylbenzene	1.0 U	µg/L
m-Xylene & p-Xylene	2.0 U	µg/L
o-Xylene	1.0 U	µg/L
Styrene	1.0 U	µg/L
Bromoform	1.0 U	µg/L
Isopropylbenzene	1.0 U	µg/L
1,1,2,2-Tetrachloroethane	1.0 U	µg/L
Bromobenzene	1.0 U	µg/L
1,2,3-Trichlorobenzene	1.0 U	µg/L
n-Propylbenzene	1.0 U	µg/L
2-Chlorotoluene	1.0 U	µg/L
1,3,5-Trimethylbenzene	1.0 U	µg/L
4-Chlorotoluene	1.0 U	µg/L

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES
REPORT # : JR9323
DATE REPORTED: November 15, 1999
REFERENCE : WO# JX163
PROJECT NAME : Site 11 NSB Kings Bay

RESULTS OF ANALYSIS

EPA METHOD 8260 (cont.) - VOLATILE ORGANICS	LAB BLANK	Units
tert-Butylbenzene	1.0 U	µg/L
1,2,4-Trimethylbenzene	1.0 U	µg/L
s-Butylbenzene	1.0 U	µg/L
1,3-Dichlorobenzene	1.0 U	µg/L
p-Isopropyltoluene	1.0 U	µg/L
1,4-Dichlorobenzene	1.0 U	µg/L
n-Butylbenzene	1.0 U	µg/L
1,2-Dichlorobenzene	1.0 U	µg/L
1,2-Dibromo-3-chloropropane	1.0 U	µg/L
1,2,4-Trichlorobenzene	1.0 U	µg/L
Hexachlorobutadiene	1.0 U	µg/L
Naphthalene	2.0 U	µg/L
1,2,3-Trichloropropane	1.0 U	µg/L
Bromochloromethane	1.0 U	µg/L
Surrogate:	**% RECOV**	**LIMITS**
Dibromofluoromethane	110	38-143
D8-Toluene	94	78-126
Bromofluorobenzene	100	72-132
Date Analyzed	11/12/99	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES
REPORT # : JR9323
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REFERENCE : WO# JX163
PROJECT NAME : Site 11 NSB Kings Bay

QUALITY CONTROL DATA

Parameter	% RECOVERY MS/MSD/LCS	ACCEPT LIMITS	% RPD MS/MSD	ACCEPT LIMITS
EPA Method 624/8260				
1,1-Dichloroethene	140/136/109	45-167	3	30
Benzene	#138/135/101	60-130	2	23
Trichloroethene	117/112/ 92	50-122	4	10
Toluene	136/132/ 94	57-136	3	12
Chlorobenzene	#133/132/102	59-126	<1	11

Environmental Conservation Laboratories Comprehensive QA Plan #910190

\# = One or more of the associated value failed to meet laboratory established criteria for accuracy.
< = Less Than
MS = Matrix Spike
MSD = Matrix Spike Duplicate
LCS = Laboratory Control Standard
RPD = Relative Percent Difference

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