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FINAL QUARTERLY GROUNDWATER MONITORING REPORT APRIL - JUNE 2000 NSB KINGS BAY GA

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J A JONES MANAGEMENT SERVICES

NSB Kings Bay Administrative Record
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Quarterly Groundwater Monitoring Report

April – June 2000
FINAL

Site 11, Old Camden County Landfill
Naval Submarine Base Kings Bay, Georgia

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

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

Prepared for:

NAVAL SUBMARINE BASE
KINGS BAY, GEORGIA
FACILITIES AND ENVIRONMENTAL DIRECTORATE

Prepared by:

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April – June 2000

The work described and professional opinions rendered in this document, *Quarterly Groundwater Monitoring Report April – June 2000, Site 11, Old Camden County Landfill, U.S. Naval Submarine Base, Kings Bay, Georgia,* were conducted and developed using commonly accepted procedures consistent with applicable standards of practice. The scope of services and activities described in this document were developed under the supervision of a professional geologist registered in the State of Georgia.

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Professional Geologist
State of Georgia License No. 001167
Expires December 31, 2001

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ACRONYMS

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

UNITS OF MEASURE

ft	foot
gal	gallon
ID	inner diameter
in.	inch
MSL	mean sea level
OD	outer diameter
ug/L	Micrograms per liter
ppm	Parts per million

1.0 INTRODUCTION

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

This quarterly groundwater monitoring report documents the activities, inspections, and groundwater sampling and analyses results for the period from April 1, 2000 through June 2000. 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 clear and dry, with temperatures ranging from low to mid 50s in the morning and to the lower 80s in the afternoon. 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 Photovac model 2020 PID 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 Photovac Model 2020 PID organic vapor meter. PID measurements ranged from 0 to >2,000. The highest PID reading of >2,000 ppm was observed at well KBA-11-37 and PS-2. These readings may reflect the presence of moisture on the PID lamp.

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 12.9 ft below the top of the well casing (25.01 ft MSL) at the source area to approximately 1.5 ft below the top of the casing (21.31 ft MSL) offsite at the Crooked River Plantation subdivision. Apparent groundwater flow is to the northwest.

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 ANALYTICAL RESULTS

Six (6) wells were sampled and analyzed for Groundwater Protection Standard constituents. All samples were submitted to Columbia Analytical Laboratories, 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 in August 1999. 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 Standards Analyses exceeded one or more of the constituent standards. The following exceedances were observed:

- Vinyl chloride (19 ug/L), Cis-1, 2 – Dichlorethene (180 ug/L), Trichloroethene (20 ug/L), Chlorobenzene (5.0 ug/L) were exceeded in KBA-11-13A;
- Tetrachloroethene (89 ug/L) was exceeded in KBA-11-34;
- 1,1-Dichloroethane (5.0 ug/L) and Benzene (8.0 ug/L) was exceeded in PS-2;
- Chlorobenzene (3.0 ug/L) was exceeded in KBA-11-37.

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 remains below the standard and cis-1,2-dichloroethene, trichloroethene, and vinyl chloride remain above the standard (Figures 3 and 4). There is a gradual decrease in cis-1, 2-dichloroethene, and vinyl chloride at KBA-11-13A and the concentrations should decrease further 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 although the concentration has decreased from the previous sampling event.

Piezometer PS-2 continues to show detectable levels of chlorinated and volatile compounds and exceeds the standard for 1,1-dichloroethane and benzene and meets the standard for vinyl chloride. Results from the quarterly sampling event indicate little change from the previous quarter.

Offsite well KBA-11-37 shows detectable levels of both chlorinated and volatile compounds with only chlorobenzene exceeding the standard indicating little change from the previous quarter.

Offsite wells KBA-11-02 and KBA-11-16 showed all constituents as not 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 August 1999.

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

(3) Source area well KBA-11-34 and downgradient well KBA-11-13A continue to show the highest concentration of dissolved VOCs onsite and one downgradient, 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.

3.2 RECOMMENDATIONS

Continue quarterly groundwater monitoring as scheduled in the Groundwater Monitoring Plan. The next sampling event is scheduled for August 2000. Wells scheduled for sampling, as stated in the groundwater monitoring plan, include KBA-11-2; KBA-11-13A (including Appendix IX); KBA-11-11A (including Appendix IX); KBA-11-16; KBA-11-34; KBA-11-37; KBA-11-10B; KBA-11-13B; KBA-11-15; KBA-11-17B and PS-2.

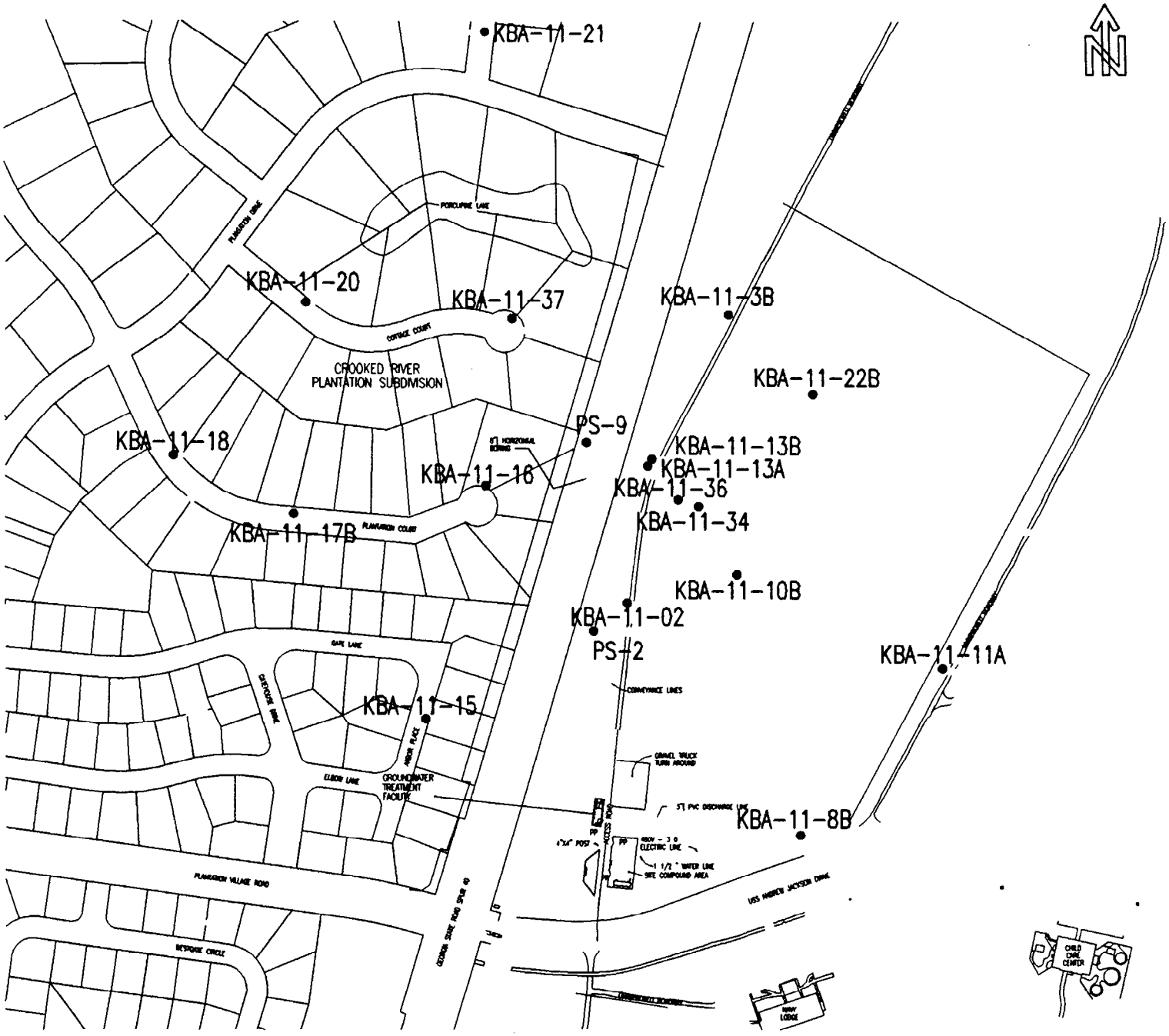
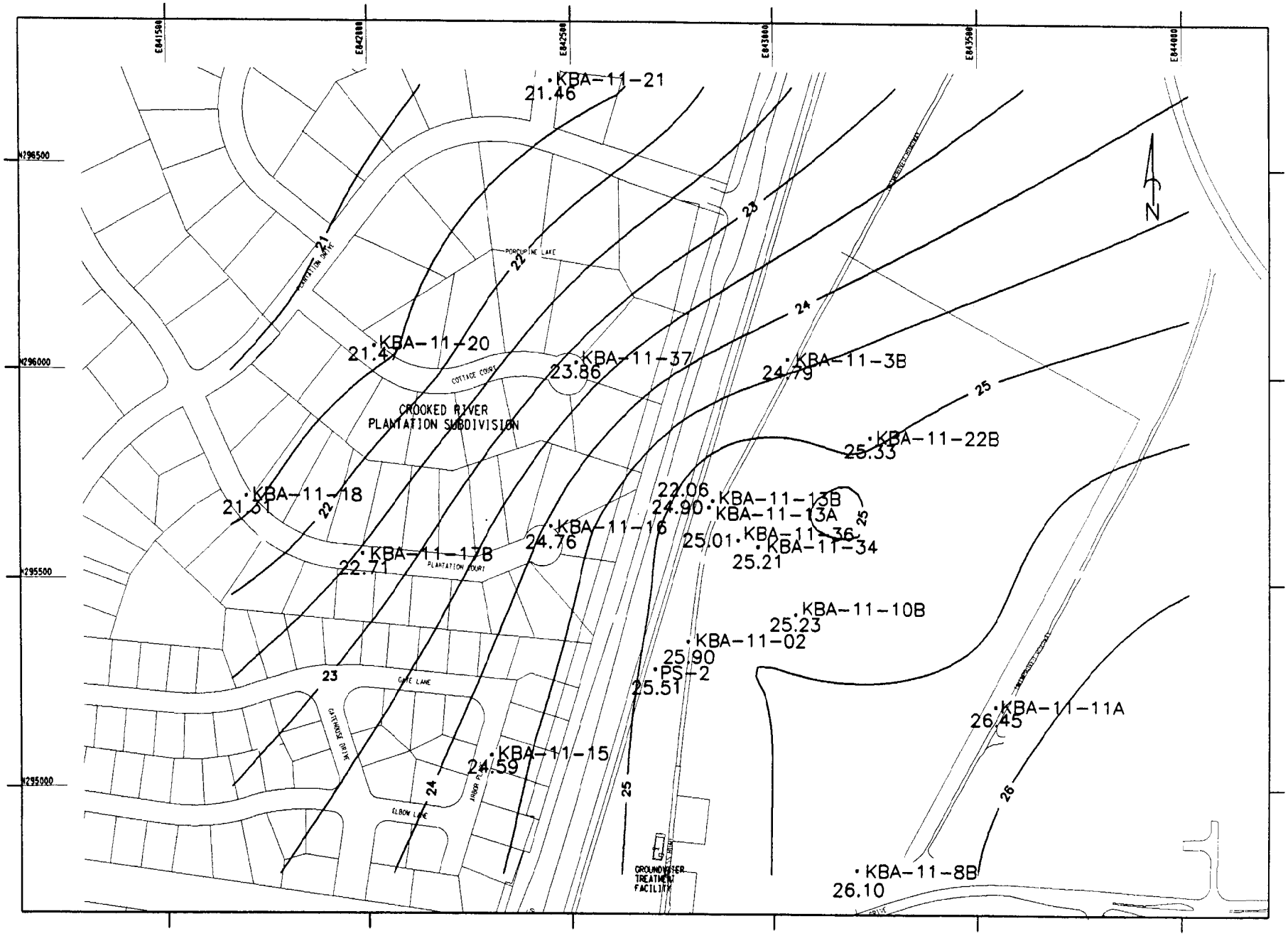


Figure 1 - Site Map



Groundwater Elevation Map–May 2000 Contour Interval=0.5 ft

FIGURE 2: Groundwater Elevation Map–May 2000

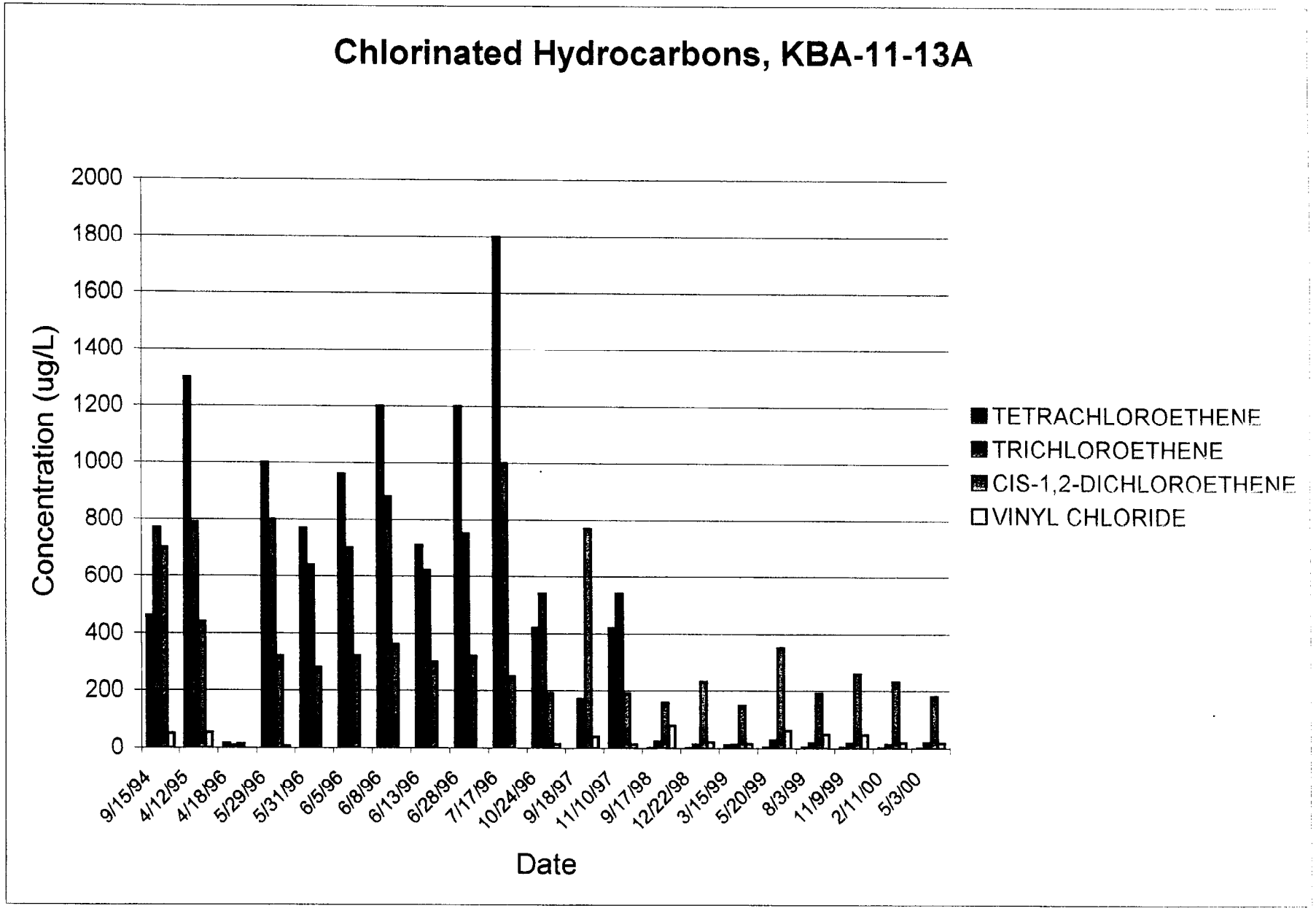
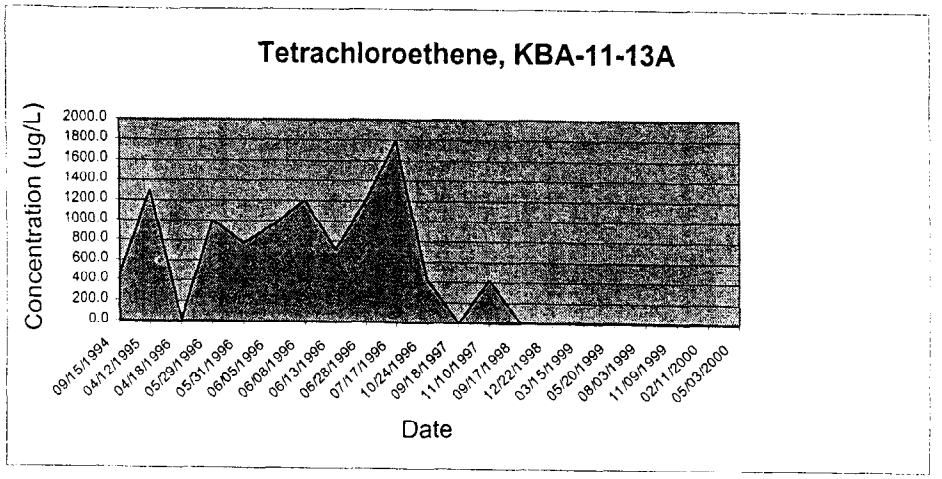
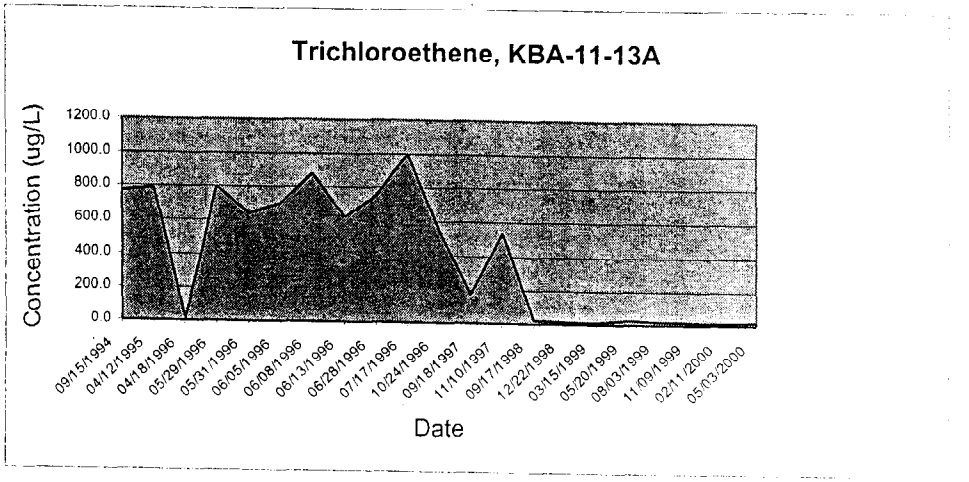
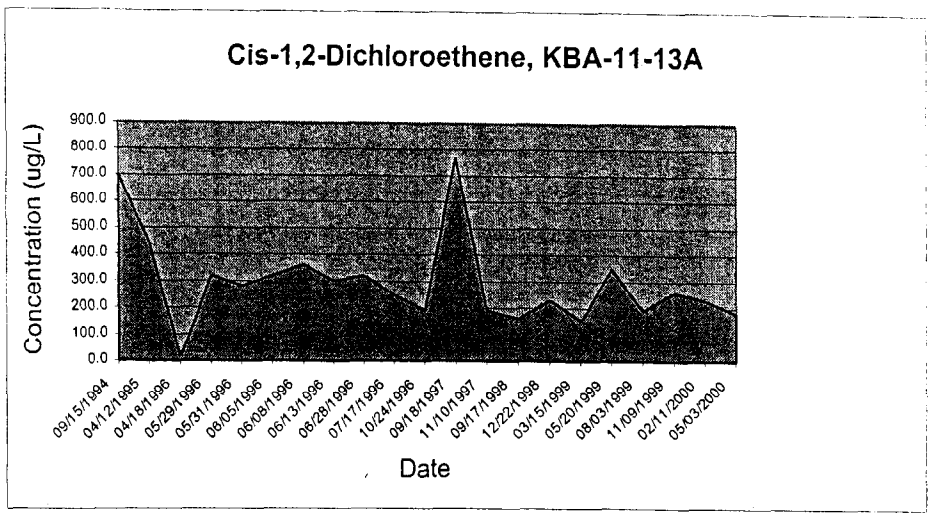


FIGURE 3 - CHLORINATED HYDROCARBONS, KBA-11-13A







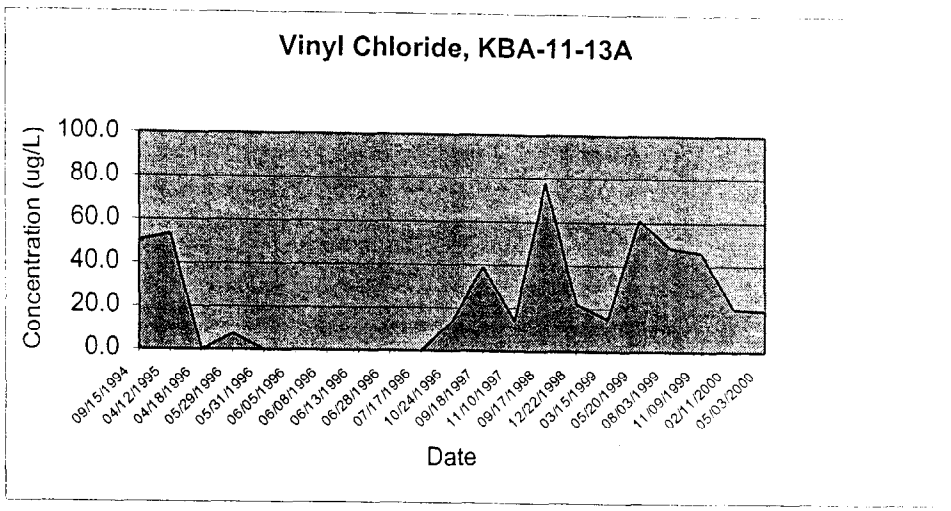


FIGURE 4 - CHLORINATED HYDROCARBON TRENDS, WELL KBA-11-13A

Table 1
Headspace Readings

Well Identification	Date	PID Measurement (ppm)
KBA-11-02	5-2-00	0
	2-1-00	0.1
	11-8-99	0.7
	8-3-99	NM
KBA-11-03B	5-2-00	0
	2-1-00	NM
	11-8-99	2.0
	8-3-99	0.2
KBA-11-08B	5-2-00	0
	2-1-00	NM
	11-8-99	1.5
	8-3-99	0.0
KBA-11-10B	2-1-00	NM
	11-8-99	5
	8-2-99	1.9
KBA-11-11A	5-2-00	0
	2-1-00	NM
	11-8-99	4.5
	8-3-99	0.3
KBA-11-13A	5-2-00	0
	2-4-00	0
	11-8-99	2
	8-3-99	13
KBA-11-13B	5-2-00	0
	2-1-00	NM
	11-8-99	2
	8-3-99	0
KBA-11-15	5-2-00	0
	2-7-00	0
	11-9-99	2.5
	8-17-99	2,200
KBA-11-16	5-2-00	0
	2-7-00	0
	11-9-99	1
	8-17-99	3,500

NM = not measured PID = photo ionization detector

Table 1 continued on following page

Table 1 continued
Headspace Readings

Well Identification	Date	PID Measurement (ppm)
KBA-11-17B	5-3-00	0
	2-7-00	0
	11-9-99	5
	8-17-99	2,700
KBA-11-18	5-3-00	0
	2-1-00	NM
	11-9-99	11
	8-17-99	3,600
KBA-11-20	5-2-00	0
	2-1-00	NM
KBA-11-21	5-2-00	0
	2-1-00	NM
	11-9-99	7.5
	8-3-99	3
KBA-11-22B	5-2-00	0
	2-1-00	NM
	11-8-99	0.6
	8-3-99	7
KBA-11-34	5-2-00	0
	2-7-00	0.4
	11-8-99	2
	8-3-99	1,400
KBA-11-36	5-2-00	0
	2-1-00	NM
	11-8-99	0.6
	8-3-99	10
KBA-11-37	5-4-00	>2000
	2-8-00	0
	11-9-99	3
	8-16-99	400
PS-2	5-3-00	>2000
	2-7-00	0
	11-8-99	0.5
	8-16-99	NM
PS-9	5-2-00	0
	2-1-00	NM
	11-8-99	NM
	8-16-99	NM

NM = not measured PID = photo ionization detector

Table 2
Well Measurements

Well Identification	Date	Top of Casing Elevation (ft MSL)	Depth to Water (ft btoc)	Water Elevation (ft MSL)	Constructed Depth (ft btoc)	Measured Depth (ft btoc)
KBA-11-02	5-2-00	36.02	10.1	25.9	15.00	14.0
	2-4-00		11.5	24.52		15.3
	11-8-99		9.61	26.41		15.19
	8-2-99		11.37	24.65		15.42
KBA-11-03B	5-2-00	33.49	8.7	24.79	47.00	47.10
	2-24-00		9.5	23.99		49.10
	11-8-99		8.54	24.95		47.77
	8-2-99		10.01	23.48		47.82
KBA-11-08B	5-2-00	38.20	12.1	26.1	43.00	43.80
	2-24-00		13.40	24.80		44.90
	11-8-99		12.04	26.16		43.75
	8-2-99		13.74	24.46		43.77
KBA-11-10B	5-2-00	38.03	12.8	25.23	51.50	53.4
	2-24-00		13.50	24.53		53.0
	11-8-99		12.31	25.72		51.62
	8-2-99		13.90	24.13		51.67
KBA-11-11A	5-2-00	35.85	9.4	26.45	37.00	37.0
	2-24-00		11.10	24.75		37.20
	11-8-99		9.61	24.42		37.12
	8-2-99		11.40	24.45		37.12
KBA-11-13A	5-2-00	34.20	9.3	24.90	42.50	42.0
	2-4-00		10.2	24.00		42.4
	11-8-99		9.25	24.95		42.75
	8-2-99		10.77	23.43		42.52
KBA-11-13B	5-2-00	34.86	12.8	22.06	90.70	91.0
	2-24-00		13.60	21.26		91.40
	11-8-99		12.88	21.98		90.72
	8-2-99		14.27	20.59		90.77
KBA-11-15	5-2-00	28.49	3.9	24.59	39.00	38.0
	2-7-00		4.8	23.69		39.00
	11-9-99		4.07	24.42		39.17
	8-2-99		5.60	22.89		39.22
KBA-11-16	5-3-00	28.66	3.9	24.76	44.90	44.0
	2-7-00		5.3	23.36		45.3
	11-9-99		4.73	23.93		44.72
	8-2-99		6.17	22.49		44.77
KBA-11-17B	5-3-00	25.41	2.7	22.71	44.80	42.3
	2-7-00		3.6	21.81		44.4
	11-9-99		3.03	22.38		44.67
	8-2-99		4.61	20.80		44.72

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

Table 2 continued on following page

Table 2 - Continued
Well Measurements

Well Identification	Date	Top of Casing Elevation (ft MSL)	Depth to Water (ft btoc)	Water Elevation (ft MSL)	Constructed Depth (ft btoc)	Measured Depth (ft btoc)
KBA-11-18	5-3-00	22.81	1.5	21.31	45.80	45.5
	2-25-00		2.70	20.11		46.80
	11-9-99		2.05	20.76		45.77
	8-2-99		3.67	19.14		45.82
KBA-11-20	5-2-00	23.07	1.60	21.47	40.00	40.9
	2-25-00		2.60	20.47		40.90
	11-9-99		1.94	21.13		40.12
	8-2-99		3.22	19.85		40.12
KBA-11-21	5-2-00	23.56	2.1	21.46	40.40	40.8
	2-25-00		2.90	20.66		41.80
	11-9-99		2.4	21.16		40.57
	8-2-99		3.75	19.81		40.57
KBA-11-22B	5-2-00	36.13	10.8	25.33	52.60	52.20
	2-25-00		11.6	24.53		53.60
	11-8-99		10.34	25.79		52.59
	8-2-99		11.92	24.21		52.62
KBA-11-34	5-2-00	37.51	12.3	25.21	40 est	41.4
	2-7-00		13.2	24.31		41.04
	11-8-99		12.18	25.33		41.07
	8-2-99		13.75	23.76		41.07
KBA-11-36	5-4-00	37.91	12.9	25.01	40 est	41.4
	2-24-00		14.02	23.91		42.50
	11-8-99		12.84	25.07		41.65
	8-2-99		14.34	23.57		41.67
KBA-11-37	5-4-00	26.26	2.4	23.86	38.50	38.2
	2-8-00		3.2	23.06		38.4
	11-9-99		2.86	23.4		38.46
	8-16-99		4.15	22.11		38.57
PS-2	5-4-00	32.71	7.2	25.51	40.67	36.8
	2-7-00		8.8	23.91		36.8
	11-8-99		7.80	24.91		37.47
	8-17-99		9.6	23.11		39.6est
PS-9	5-4-00	28.72	3.20	25.52	35.45	34.1
	2-25-00		6.20	22.52		34.50
	8-20-99		5.89	22.83		34.82

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

Table 3
Well Purge Parameters

Well Identification	Date	Volume Purged (gal)	Temper-ature (°C)	PH	Oxygen Reduction Potential (mv)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
KBA-11-02	5-3-00	6	22.5	6.8	NM	0.440	10	2.30
	2-4-00	3	22.7	5.00	-258	0.604	12	1.70
	11-9-99	6	23.4	5.94	-160	0.527	3	0.51
	8-3-99	7	25.2	5.63	-199	0.713	0	NM
KBA-11-10B	8-2-99	6	25.6	5.14	-221	0.304	2	NM
KBA-11-13A	5-3-00	6	24.5	6.4	-113	0.561	10	1.10
	2-4-00	8	22.3	6.68	-217	0.503	10	1.17
	11-9-99	8	23	5.54	-142	0.467	2	0.78
	8-3-99	6	24.3	5.50	-210	0.463	17	NM
KBA-11-13B	8-3-99	8	24.9	7.15	-43	0.267	0	NM
KBA-11-15	2-7-00	7	20.8	5.04	-313	0.536	5	1.43
	8-3-99	6	25	4.90	-182	0.677	9	NM
KBA-11-16	5-4-00	6	23.6	6.1	NM	0.146	10	3.70
	2-7-00	7	22.8	5.40	-275	0.364	8	1.09
	11-9-99	8	24	4.89	-104	0.263	20	0.57
	8-3-99	7	26.8	4.76	-111	0.171	35	NM
KBA-11-17B	2-7-00	7	21.9	5.40	-287	0.135	3	1.08
	8-3-99	8	24.7	4.48	-112	0.118	6	NM
KBA-11-34	5-4-00	6	25.8	3.9	-119	1.36	10	5.85
	2-7-00	8	24.9	2.81	-184	2.19	9	2.43
	11-9-99	8	27.2	3.58	-134	2.26	9	0.44
	8-3-99	6	30.5	3.20	-300	2.36	13	NM
KBA-11-37	5-4-00	6	24.0	6.3	NM	0.517	10	1.75
	2-8-00	8	21.3	6.1	-323	0.562	6	1.45
	11-9-99	8	24.2	5.37	-200	0.573	12	0.46
	8-16-99	9	25.5	5.52	-227	0.517	15	NM
PS-2	5-3-00	6	21.6	5.7	NM	0.317	10	1.30
	2-7-00	8	19.5	4.93	-387	0.355	10	1.43
	11-9-99	8	22	4.87	-144	0.363	2	0.35
	8-18-99	7	23.2	4.95	-213	0.381	10	NM

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

Table 4
Analytical Summary, Groundwater Protection Standard

Groundwater Protection Standard	Criteria (µg/L)	KBA-11-02				KBA-11-10B	KBA-11-11A	KBA-11-13A				
Date		5-4-00	2-11-00	11-9-99	8-3-99	8-2-99	8-2-99	5-4-00	2-11-00	11-9-99	11-9-99 (Duplicate)	8-3-99
Tetrachloroethene	5.0	1.0U	1.0U	3.0U	3.0U	3.0U	3.0U	1.0U	1.0U	30U	3.0U	3.0U
Trichloroethene	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	**17.0**	**14.0**	**15I**	**17**	**19**
Cis -1,2-dichloroethene	70	1.0U	1.0U	1.0U	1.0U	1.6I	1.0U	**170**	**230**	**260**	**210**	**190**
Trans-1,2 dichloroethene	100	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	6.0	6.0	10U	6.6	7.4
1,1-dichloroethene	7.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	10U	1.0U	1.0U
1,1-dichloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	10U	1.0U	1.0U
1,2-dichloroethane	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	10U	1.0U	1.0U
Vinyl Chloride	2.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	**18.0**	**20.0**	**46**	**42**	**48**
Chloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	10U	1.0U	1.0U
Benzene	5.0	1.0U	1.0U	1.0U	1.0U	1.6	1.0U	2.0	2.0	10U	1.3I	1.1I
Ethylbenzene	700	1.0U	1.0U	1.0U	1.0U	10	1.0U	64	64.0	65	92	66
Toluene	1,000	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	2.0	2.0	10U	4.2	2.7
Total xylenes	10,000	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	4.0	23.0	24I	49	14.4
Chlorobenzene	1.0	1.0U	1.0U	1.0U	1.0U	**2.5**	1.0U	**5.0**	**6.0**	10U	**8.2**	**6.2**
1,4-dichlorobenzene	75	1.0U	1.0U	1.0U	1.0U	1.5	1.0U	3.0	4.0	10U	5.2	4.0

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
Analytical Summary, Groundwater Protection Standard

Groundwater Protection Standard	**Criteria (µg/L)**	**KBA-11-13B**	**KBA-11-15**			**KBA-11-16**				
Date		8-3-99	2-11-00	2-11-00 (Duplicate)	8-3-99	5-4-00	5-4-00 (Duplicate)	2-11-00	11-9-99	8-3-99
Tetrachloroethene	5.0	3.0U	1.0	1.0	3.0U	1.0U	1.0U	1.0U	3.0U	3.0U
Trichloroethene	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Cis -1,2-dichloroethene	70	1.0U	0.9I	1.0	1.0U	2.0	1.0U	14.0	3.6	1.0U
Trans-1,2 dichloroethene	100	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethene	7.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	**5.0**	1.6I	1.0U
1,2-dichloroethane	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Vinyl Chloride	2.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0	1.4I	1.0U
Chloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Benzene	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Ethylbenzene	700	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Toluene	1,000	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Total xylenes	10,000	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U
Chlorobenzene	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,4-dichlorobenzene	75	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U

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
Analytical Summary, Groundwater Protection Standard

Groundwater Protection Standard	Criteria (µg/L)	KBA-11-17B		KBA-11-34				KBA-11-37				PS-2			
Date		2-11-00	8-3-99	5-4-00	2-11-00	11-9-99	8-3-99	5-4-00	2-11-00	11-9-99	8-16-99	5-4-00	2-11-00	11-9-99	8-17-99
Tetrachloroethene	5.0	1.0U	3.0U	**89.0**	**83.0**	**22**	**17**	1.0U	1.0U	3.0U	3.0U	1.0U	1.0U	3.0U	3.0U
Trichloroethene	5.0	1.0U	1.0U	1.0	2.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	2.0	2.0	1.4I	1.3I
Cis -1,2-dichloroethene	70	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	17.0	16.0	17	24	57.0	52.0	40	41
Trans-1,2 dichloroethene	100	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	0.5	1.0U	1.0U	1.0U
1,1-dichloroethene	7.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-dichloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	**5.0**	**5.0**	**5.1**	**5.6**
1,2-dichloroethane	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Vinyl Chloride	2.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.4I	**2.5I**	1.0U	**2.0**	**2.9**	3.2I
Chloroethane	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Benzene	5.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	2.0	2.0	2.0	2.1	**8.0**	**8.0**	**9.4**	**9.1**
Ethylbenzene	700	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	9.0	14	15	16.0	14.0	16	10
Toluene	1,000	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0	1.0U	1.0U	19.0	37.0	57	43
Total xylenes	10,000	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	12.0	3.0U	3.0U	3.0U	41.0	40.0	47	29
Chlorobenzene	1.0	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	**3.0**	**2.0**	**3.1**	**2.9**	0.7	1.0U	1.0U	1.0U
1,4-dichlorobenzene	75	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	3.0	3.0	4.7	3.6	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 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	01/12/1993	1,1-DICHLOROETHANE	5.0	U	1
KBA-11-02	01/12/1993	1,1-DICHLOROETHANE	5.0	U	1
KBA-11-02	01/07/1994	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-02	01/07/1994	1,1-DICHLOROETHANE	2.0	UR	1
KBA-11-02	04/09/1994	1,1-DICHLOROETHANE	2.0	U	1
KBA-11-02	09/15/1994	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-02	04/11/1995	1,1-DICHLOROETHANE	0.2	J	1
KBA-11-02	04/18/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-02	08/03/1999	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-02	11/09/1999	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-02	02/11/2000	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-02	05/04/2000	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-02	01/12/1993	1,1-DICHLOROETHENE	5.0	U	7
KBA-11-02	01/12/1993	1,1-DICHLOROETHENE	5.0	U	7
KBA-11-02	01/07/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-02	01/07/1994	1,1-DICHLOROETHENE	2.0	UR	7
KBA-11-02	04/09/1994	1,1-DICHLOROETHENE	2.0	U	7
KBA-11-02	09/15/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-02	04/11/1995	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-02	04/18/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-02	08/03/1999	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-02	11/09/1999	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-02	02/11/2000	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-02	05/04/2000	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-02	01/12/1993	1,2-DICHLOROETHANE	5.0	U	5
KBA-11-02	01/12/1993	1,2-DICHLOROETHANE	5.0	U	5
KBA-11-02	08/03/1999	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-02	11/09/1999	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-02	02/11/2000	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-02	01/12/1993	1,4-DICHLOROBENZENE	5.0	U	75
KBA-11-02	01/12/1993	1,4-DICHLOROBENZENE	5.0	U	75
KBA-11-02	01/12/1993	1,4-DICHLOROBENZENE	5.0		75
KBA-11-02	01/12/1993	1,4-DICHLOROBENZENE	5.0		75
KBA-11-02	09/15/1994	1,4-DICHLOROBENZENE	10.0	U	75
KBA-11-02	09/15/1994	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-02	04/11/1995	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-02	04/11/1995	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-02	04/18/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-02	04/18/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-02	08/03/1999	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-02	11/09/1999	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-02	02/11/2000	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-02	05/04/2000	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-02	01/12/1993	BENZENE	5.0	U	5
KBA-11-02	01/12/1993	BENZENE	5.0	U	5
KBA-11-02	01/07/1994	BENZENE	1.0	U	5
KBA-11-02	01/07/1994	BENZENE	2.0	UR	5
KBA-11-02	04/09/1994	BENZENE	2.0	U	5
KBA-11-02	09/15/1994	BENZENE	1.0	U	5
KBA-11-02	04/11/1995	BENZENE	0.2	J	5
KBA-11-02	04/18/1996	BENZENE	0.0	U	5
KBA-11-02	08/03/1999	BENZENE	1.0	U	5
KBA-11-02	11/09/1999	BENZENE	1.0	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 Standard Analyses
KBA-11-02, Site 11 NSB Kings Bay

LOCATION	SAMPLE DATE	PARAMETER	RESULT (ug/L)	Q	CRITERIA (ug/L)
KBA-11-02	02/11/2000	BENZENE	1.0	U	5
KBA-11-02	01/12/1993	CHLOROBENZENE	5.0	U	1
KBA-11-02	01/12/1993	CHLOROBENZENE	5.0	U	1
KBA-11-02	01/07/1994	CHLOROBENZENE	1.0	U	1
KBA-11-02	01/07/1994	CHLOROBENZENE	2.0	UR	1
KBA-11-02	04/09/1994	CHLOROBENZENE	2.0	U	1
KBA-11-02	09/15/1994	CHLOROBENZENE	1.0	U	1
KBA-11-02	04/11/1995	CHLOROBENZENE	0.0	U	1
KBA-11-02	04/18/1996	CHLOROBENZENE	0.0	U	1
KBA-11-02	08/03/1999	CHLOROBENZENE	1.0	U	1
KBA-11-02	11/09/1999	CHLOROBENZENE	1.0	U	1
KBA-11-02	02/11/2000	CHLOROBENZENE	1.0	U	1
KBA-11-02	05/04/2000	CHLOROBENZENE	1.0	U	1
KBA-11-02	01/12/1993	CHLOROETHANE	10.0	U	1
KBA-11-02	01/12/1993	CHLOROETHANE	10.0	U	1
KBA-11-02	**01/07/1994**	**CHLOROETHANE**	**3.0**		**1**
KBA-11-02	01/07/1994	CHLOROETHANE	2.0	R	1
KBA-11-02	04/09/1994	CHLOROETHANE	2.0	U	1
KBA-11-02	09/15/1994	CHLOROETHANE	1.0	U	1
KBA-11-02	04/11/1995	CHLOROETHANE	0.0	U	1
KBA-11-02	04/18/1996	CHLOROETHANE	0.0	U	1
KBA-11-02	08/03/1999	CHLOROETHANE	1.0	U	1
KBA-11-02	11/09/1999	CHLOROETHANE	1.0	U	1
KBA-11-02	02/11/2000	CHLOROETHANE	1.0	U	1
KBA-11-02	05/04/2000	CHLOROETHANE	1.0	U	1
KBA-11-02	01/07/1994	CIS-1,2-DICHLOROETHENE	5.0		70
KBA-11-02	01/07/1994	CIS-1,2-DICHLOROETHENE	5.0	R	70
KBA-11-02	04/09/1994	CIS-1,2-DICHLOROETHENE	10.0		70
KBA-11-02	09/15/1994	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-02	04/11/1995	CIS-1,2-DICHLOROETHENE	0.2	J	70
KBA-11-02	04/18/1996	CIS-1,2-DICHLOROETHENE	0.0	U	70
KBA-11-02	08/03/1999	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-02	11/09/1999	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-02	02/11/2000	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-02	05/04/2000	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-02	01/12/1993	ETHYLBENZENE	5.0	U	700
KBA-11-02	01/12/1993	ETHYLBENZENE	5.0	U	700
KBA-11-02	01/07/1994	ETHYLBENZENE	1.0	U	700
KBA-11-02	01/07/1994	ETHYLBENZENE	2.0	UR	700
KBA-11-02	04/09/1994	ETHYLBENZENE	2.0	U	700
KBA-11-02	09/15/1994	ETHYLBENZENE	1.0	U	700
KBA-11-02	04/11/1995	ETHYLBENZENE	0.0	U	700
KBA-11-02	04/18/1996	ETHYLBENZENE	0.0	U	700
KBA-11-02	08/03/1999	ETHYLBENZENE	1.0	U	700
KBA-11-02	11/09/1999	ETHYLBENZENE	1.0	U	700
KBA-11-02	02/11/2000	ETHYLBENZENE	1.0	U	700
KBA-11-02	05/04/2000	ETHYLBENZENE	1.0	U	700
KBA-11-02	01/12/1993	TETRACHLOROETHENE	5.0	U	5
KBA-11-02	01/12/1993	TETRACHLOROETHENE	5.0	U	5
KBA-11-02	01/07/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-02	01/07/1994	TETRACHLOROETHENE	2.0	UR	5
KBA-11-02	04/09/1994	TETRACHLOROETHENE	2.0	U	5
KBA-11-02	09/15/1994	TETRACHLOROETHENE	1.0	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 Standard Analyses
KBA-11-02, Site 11 NSB Kings Bay

LOCATION	SAMPLE DATE	PARAMETER	RESULT (ug/L)	Q	CRITERIA (ug/L)
KBA-11-02	04/11/1995	TETRACHLOROETHENE	0.0	U	5
KBA-11-02	04/18/1996	TETRACHLOROETHENE	0.0	U	5
KBA-11-02	08/03/1999	TETRACHLOROETHENE	3.0	U	5
KBA-11-02	11/09/1999	TETRACHLOROETHENE	3.0	U	5
KBA-11-02	02/11/2000	TETRACHLOROETHENE	1.0	U	5
KBA-11-02	05/04/2000	TETRACHLOROETHENE	1.0	U	5
KBA-11-02	01/12/1993	TOLUENE	2.0	J	1000
KBA-11-02	01/12/1993	TOLUENE	2.0	J	1000
KBA-11-02	01/07/1994	TOLUENE	1.0	U	1000
KBA-11-02	01/07/1994	TOLUENE	2.0	UR	1000
KBA-11-02	04/09/1994	TOLUENE	0.7	J	1000
KBA-11-02	09/15/1994	TOLUENE	1.0	U	1000
KBA-11-02	04/11/1995	TOLUENE	0.0	U	1000
KBA-11-02	04/18/1996	TOLUENE	0.0	U	1000
KBA-11-02	08/03/1999	TOLUENE	1.0	U	1000
KBA-11-02	11/09/1999	TOLUENE	1.0	U	1000
KBA-11-02	02/11/2000	TOLUENE	1.0	U	1000
KBA-11-02	05/04/2000	TOLUENE	1.0	U	1000
KBA-11-02	01/07/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-02	01/07/1994	TRANS-1,2-DICHLOROETHENE	2.0	UR	100
KBA-11-02	04/09/1994	TRANS-1,2-DICHLOROETHENE	2.0	U	100
KBA-11-02	09/15/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-02	04/11/1995	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-02	04/18/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-02	08/03/1999	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-02	11/09/1999	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-02	02/11/2000	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-02	05/04/2000	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-02	01/12/1993	TRICHLOROETHENE	5.0	U	5
KBA-11-02	01/12/1993	TRICHLOROETHENE	5.0	U	5
KBA-11-02	01/07/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-02	01/07/1994	TRICHLOROETHENE	2.0	UR	5
KBA-11-02	04/09/1994	TRICHLOROETHENE	2.0	U	5
KBA-11-02	09/15/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-02	04/11/1995	TRICHLOROETHENE	0.2	J	5
KBA-11-02	04/18/1996	TRICHLOROETHENE	0.0	U	5
KBA-11-02	08/03/1999	TRICHLOROETHENE	1.0	U	5
KBA-11-02	11/09/1999	TRICHLOROETHENE	1.0	U	5
KBA-11-02	02/11/2000	TRICHLOROETHENE	1.0	U	5
KBA-11-02	05/04/2000	TRICHLOROETHENE	1.0	U	5
KBA-11-02	**01/12/1993**	**VINYL CHLORIDE**	**100.0**		**2**
KBA-11-02	**01/12/1993**	**VINYL CHLORIDE**	**85.0**		**2**
KBA-11-02	**01/07/1994**	**VINYL CHLORIDE**	**25.0**		**2**
KBA-11-02	01/07/1994	VINYL CHLORIDE	23.0	R	2
KBA-11-02	**04/09/1994**	**VINYL CHLORIDE**	**33.0**		**2**
KBA-11-02	09/15/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-02	**04/11/1995**	**VINYL CHLORIDE**	**2.0**		**2**
KBA-11-02	04/18/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-02	08/03/1999	VINYL CHLORIDE	1.0	U	2
KBA-11-02	11/09/1999	VINYL CHLORIDE	1.0	U	2
KBA-11-02	02/11/2000	VINYL CHLORIDE	1.0	U	2
KBA-11-02	05/04/2000	VINYL CHLORIDE	1.0	U	2
KBA-11-02	01/12/1993	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-11-02, Site 11 NSB Kings Bay

LOCATION	SAMPLE DATE	PARAMETER	RESULT (ug/L)	Q	CRITERIA (ug/L)
KBA-11-02	01/12/1993	XYLENES, TOTAL	2.0	J	10000
KBA-11-02	01/07/1994	XYLENES, TOTAL	1.0	U	10000
KBA-11-02	01/07/1994	XYLENES, TOTAL	2.0	UR	10000
KBA-11-02	04/09/1994	XYLENES, TOTAL	2.0	U	10000
KBA-11-02	09/15/1994	XYLENES, TOTAL	1.0	U	10000
KBA-11-02	04/11/1995	XYLENES, TOTAL	0.2	J	10000
KBA-11-02	04/18/1996	XYLENES, TOTAL	0.0	U	10000
KBA-11-02	08/03/1999	XYLENES, TOTAL	3.0	U	10000
KBA-11-02	11/09/1999	XYLENES, TOTAL	3.0	U	10000
KBA-11-02	02/11/2000	XYLENES, TOTAL	3.0	U	10000
KBA-11-02	05/04/2000	XYLENES, TOTAL	3.0	U	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	01/08/1994	1,1-DICHLOROETHANE	0.8	J	1
KBA-11-10B	04/05/1994	1,1-DICHLOROETHANE	0.6	J	1
KBA-11-10B	09/16/1994	1,1-DICHLOROETHANE	0.9	J	1
KBA-11-10B	04/12/1995	1,1-DICHLOROETHANE	0.7	J	1
KBA-11-10B	04/18/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-10B	05/29/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-10B	06/13/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-10B	07/17/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-10B	10/22/1996	1,1-DICHLOROETHANE	0.5	J	1
KBA-11-10B	08/02/1999	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-10B	01/08/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-10B	04/05/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-10B	09/16/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-10B	04/12/1995	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-10B	04/18/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-10B	05/29/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-10B	06/13/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-10B	07/17/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-10B	10/22/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-10B	08/02/1999	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-10B	08/02/1999	1,2-DICHLOROENTHANE	1.0	U	5
KBA-11-10B	09/16/1994	1,4-DICHLOROBENZENE	1.0	J	75
KBA-11-10B	09/16/1994	1,4-DICHLOROBENZENE	2.0		75
KBA-11-10B	04/12/1995	1,4-DICHLOROBENZENE	0.0		75
KBA-11-10B	04/12/1995	1,4-DICHLOROBENZENE	0.0		75
KBA-11-10B	04/18/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-10B	04/18/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-10B	05/29/1996	1,4-DICHLOROBENZENE	1.0		75
KBA-11-10B	05/29/1996	1,4-DICHLOROBENZENE	1.0		75
KBA-11-10B	06/13/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-10B	06/13/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-10B	08/02/1999	1,4-DICHLOROBENZENE	1.5	U	75
KBA-11-10B	01/08/1994	BENZENE	2.0		5
KBA-11-10B	04/05/1994	BENZENE	1.0		5
KBA-11-10B	09/16/1994	BENZENE	2.0		5
KBA-11-10B	04/12/1995	BENZENE	2.0		5
KBA-11-10B	04/18/1996	BENZENE	0.0	U	5
KBA-11-10B	05/29/1996	BENZENE	1.0		5
KBA-11-10B	06/13/1996	BENZENE	1.0		5
KBA-11-10B	07/17/1996	BENZENE	4.0	J	5
KBA-11-10B	10/22/1996	BENZENE	2.1		5
KBA-11-10B	08/02/1999	BENZENE	1.6		5
KBA-11-10B	**01/08/1994**	**CHLOROBENZENE**	**2.0**		**1**
KBA-11-10B	04/05/1994	CHLOROBENZENE	1.0		1
KBA-11-10B	09/16/1994	CHLOROBENZENE	1.0		1
KBA-11-10B	04/12/1995	CHLOROBENZENE	0.0	U	1
KBA-11-10B	04/18/1996	CHLOROBENZENE	0.0	U	1
KBA-11-10B	05/29/1996	CHLOROBENZENE	1.0		1
KBA-11-10B	06/13/1996	CHLOROBENZENE	1.0		1
KBA-11-10B	**07/17/1996**	**CHLOROBENZENE**	**2.0**	**J**	**1**
KBA-11-10B	10/22/1996	CHLOROBENZENE	0.0	U	1
KBA-11-10B	**08/02/1999**	**CHLOROBENZENE**	**2.5**		**1**

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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	01/08/1994	CHLOROETHANE	1.0	U	1
KBA-11-10B	04/05/1994	CHLOROETHANE	1.0	U	1
KBA-11-10B	09/16/1994	CHLOROETHANE	1.0	U	1
KBA-11-10B	04/12/1995	CHLOROETHANE	0.0	U	1
KBA-11-10B	04/18/1996	CHLOROETHANE	0.0	U	1
KBA-11-10B	05/29/1996	CHLOROETHANE	0.0	U	1
KBA-11-10B	06/13/1996	CHLOROETHANE	0.0	U	1
KBA-11-10B	07/17/1996	CHLOROETHANE	0.0	U	1
KBA-11-10B	10/22/1996	CHLOROETHANE	0.0	U	1
KBA-11-10B	08/02/1999	CHLOROETHANE	2.0	U	1
KBA-11-10B	01/08/1994	CIS-1,2-DICHLOROETHENE	4.0		70
KBA-11-10B	04/05/1994	CIS-1,2-DICHLOROETHENE	2.0		70
KBA-11-10B	09/16/1994	CIS-1,2-DICHLOROETHENE	2.0		70
KBA-11-10B	04/12/1995	CIS-1,2-DICHLOROETHENE	2.0		70
KBA-11-10B	04/18/1996	CIS-1,2-DICHLOROETHENE	0.0	U	70
KBA-11-10B	05/29/1996	CIS-1,2-DICHLOROETHENE	2.0		70
KBA-11-10B	06/13/1996	CIS-1,2-DICHLOROETHENE	1.0		70
KBA-11-10B	07/17/1996	CIS-1,2-DICHLOROETHENE	3.0	J	70
KBA-11-10B	10/22/1996	CIS-1,2-DICHLOROETHENE	2.5		70
KBA-11-10B	08/02/1999	CIS-1,2-DICHLOROETHENE	1.6	I	70
KBA-11-10B	01/08/1994	ETHYLBENZENE	19.0		700
KBA-11-10B	04/05/1994	ETHYLBENZENE	12.0		700
KBA-11-10B	09/16/1994	ETHYLBENZENE	12.0		700
KBA-11-10B	04/12/1995	ETHYLBENZENE	12.0		700
KBA-11-10B	04/18/1996	ETHYLBENZENE	0.0	U	700
KBA-11-10B	05/29/1996	ETHYLBENZENE	7.0		700
KBA-11-10B	06/13/1996	ETHYLBENZENE	6.0		700
KBA-11-10B	07/17/1996	ETHYLBENZENE	7.0	J	700
KBA-11-10B	10/22/1996	ETHYLBENZENE	8.1		700
KBA-11-10B	08/02/1999	ETHYLBENZENE	10.0		700
KBA-11-10B	01/08/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-10B	04/05/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-10B	09/16/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-10B	04/12/1995	TETRACHLOROETHENE	0.1	J	5
KBA-11-10B	04/18/1996	TETRACHLOROETHENE	0.0	U	5
KBA-11-10B	05/29/1996	TETRACHLOROETHENE	0.0	U	5
KBA-11-10B	06/13/1996	TETRACHLOROETHENE	0.0	U	5
KBA-11-10B	07/17/1996	TETRACHLOROETHENE	0.0	U	5
KBA-11-10B	10/22/1996	TETRACHLOROETHENE	0.0	U	5
KBA-11-10B	08/02/1999	TETRACHLOROETHENE	3.0	U	5
KBA-11-10B	01/08/1994	TOLUENE	0.5	J	1000
KBA-11-10B	04/05/1994	TOLUENE	0.7	J	1000
KBA-11-10B	09/16/1994	TOLUENE	1.0	U	1000
KBA-11-10B	04/12/1995	TOLUENE	0.0	U	1000
KBA-11-10B	04/18/1996	TOLUENE	0.0	U	1000
KBA-11-10B	05/29/1996	TOLUENE	0.0	U	1000
KBA-11-10B	06/13/1996	TOLUENE	0.0	U	1000
KBA-11-10B	07/17/1996	TOLUENE	0.0	U	1000
KBA-11-10B	10/22/1996	TOLUENE	0.2	J	1000
KBA-11-10B	08/02/1999	TOLUENE	1.0	U	1000
KBA-11-10B	01/08/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-10B	04/05/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100

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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	09/16/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-10B	04/12/1995	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-10B	04/18/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-10B	05/29/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-10B	06/13/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-10B	07/17/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-10B	10/22/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-10B	08/02/1999	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-10B	01/08/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-10B	04/05/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-10B	09/16/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-10B	04/12/1995	TRICHLOROETHENE	0.2	J	5
KBA-11-10B	04/18/1996	TRICHLOROETHENE	0.0	U	5
KBA-11-10B	05/29/1996	TRICHLOROETHENE	0.0	U	5
KBA-11-10B	06/13/1996	TRICHLOROETHENE	0.0	U	5
KBA-11-10B	07/17/1996	TRICHLOROETHENE	2.0	J	5
KBA-11-10B	10/22/1996	TRICHLOROETHENE	0.0	U	5
KBA-11-10B	08/02/1999	TRICHLOROETHENE	1.0	U	5
KBA-11-10B	01/08/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-10B	04/05/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-10B	09/16/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-10B	04/12/1995	VINYL CHLORIDE	0.4	J	2
KBA-11-10B	04/18/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-10B	05/29/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-10B	06/13/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-10B	07/17/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-10B	10/22/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-10B	08/02/1999	VINYL CHLORIDE	1.0	U	2
KBA-11-10B	01/08/1994	XYLENES, TOTAL	0.4	J	10000
KBA-11-10B	04/05/1994	XYLENES, TOTAL	3.0		10000
KBA-11-10B	09/16/1994	XYLENES, TOTAL	0.8	J	10000
KBA-11-10B	04/12/1995	XYLENES, TOTAL	2.0		10000
KBA-11-10B	04/18/1996	XYLENES, TOTAL	0.0	U	10000
KBA-11-10B	07/17/1996	XYLENES, TOTAL	0.0	U	10000
KBA-11-10B	10/22/1996	XYLENES, TOTAL	0.0	U	10000
KBA-11-10B	08/02/1999	XYLENES, TOTAL	3.0	U	10000

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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	08/02/1999	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-11A	04/16/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-11A	09/14/1994	1,1-DICHLOROETHANE	1.0		1
KBA-11-11A	09/14/1994	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-11A	09/14/1994	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-11A	04/05/1994	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-11A	04/05/1994	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-11A	01/04/1994	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-11A	08/02/1999	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-11A	04/16/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-11A	09/14/1994	1,1-DICHLOROETHENE	1.0		7
KBA-11-11A	09/14/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-11A	09/14/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-11A	04/05/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-11A	04/05/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-11A	01/04/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-11A	08/02/1999	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-11A	08/02/1999	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-11A	04/16/1996	1,4-DICHLOROBENZENE	0.0		75
KBA-11-11A	04/16/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-11A	09/14/1994	1,4-DICHLOROBENZENE	1.0		75
KBA-11-11A	09/14/1994	1,4-DICHLOROBENZENE	10.0	U	75
KBA-11-11A	09/14/1994	1,4-DICHLOROBENZENE	10.0	U	75
KBA-11-11A	09/14/1994	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-11A	09/14/1994	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-11A	08/02/1999	BENZENE	1.0	U	5
KBA-11-11A	04/16/1996	BENZENE	0.0	U	5
KBA-11-11A	09/14/1994	BENZENE	1.0	U	5
KBA-11-11A	09/14/1994	BENZENE	1.0	U	5
KBA-11-11A	04/05/1994	BENZENE	1.0	U	5
KBA-11-11A	04/05/1994	BENZENE	1.0	U	5
KBA-11-11A	01/04/1994	BENZENE	1.0	U	5
KBA-11-11A	08/02/1999	CHLOROBENZENE	1.0	U	1
KBA-11-11A	04/16/1996	CHLOROBENZENE	0.0	U	1
KBA-11-11A	09/14/1994	CHLOROBENZENE	1.0		1
KBA-11-11A	09/14/1994	CHLOROBENZENE	1.0	U	1
KBA-11-11A	09/14/1994	CHLOROBENZENE	1.0	U	1
KBA-11-11A	04/05/1994	CHLOROBENZENE	1.0	U	1
KBA-11-11A	04/05/1994	CHLOROBENZENE	1.0	U	1
KBA-11-11A	01/04/1994	CHLOROBENZENE	1.0	U	1
KBA-11-11A	08/02/1999	CHLOROETHANE	2.0	U	1
KBA-11-11A	04/16/1996	CHLOROETHANE	0.0	U	1
KBA-11-11A	09/14/1994	CHLOROETHANE	1.0		1
KBA-11-11A	09/14/1994	CHLOROETHANE	1.0	U	1
KBA-11-11A	09/14/1994	CHLOROETHANE	1.0	U	1
KBA-11-11A	04/05/1994	CHLOROETHANE	1.0	U	1
KBA-11-11A	04/05/1994	CHLOROETHANE	1.0	U	1
KBA-11-11A	01/04/1994	CHLOROETHANE	1.0	U	1
KBA-11-11A	08/02/1999	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-11A	04/16/1996	CIS-1,2-DICHLOROETHENE	0.0	U	70
KBA-11-11A	09/14/1994	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-11A	09/14/1994	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-11A	04/05/1994	CIS-1,2-DICHLOROETHENE	1.0	U	70

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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	04/05/1994	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-11A	01/04/1994	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-11A	08/02/1999	ETHYLBENZENE	1.0	U	700
KBA-11-11A	04/16/1996	ETHYLBENZENE	0.0	U	700
KBA-11-11A	09/14/1994	ETHYLBENZENE	1.0	U	700
KBA-11-11A	09/14/1994	ETHYLBENZENE	1.0	U	700
KBA-11-11A	04/05/1994	ETHYLBENZENE	1.0	U	700
KBA-11-11A	04/05/1994	ETHYLBENZENE	1.0	U	700
KBA-11-11A	01/04/1994	ETHYLBENZENE	1.0	U	700
KBA-11-11A	08/02/1999	TETRACHLOROETHENE	3.0	U	5
KBA-11-11A	04/16/1996	TETRACHLOROETHENE	0.0	U	5
KBA-11-11A	09/14/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-11A	09/14/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-11A	04/05/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-11A	04/05/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-11A	01/04/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-11A	08/02/1999	TOLUENE	1.0	U	1000
KBA-11-11A	04/16/1996	TOLUENE	0.0	U	1000
KBA-11-11A	09/14/1994	TOLUENE	1.0	U	1000
KBA-11-11A	09/14/1994	TOLUENE	1.0	U	1000
KBA-11-11A	04/05/1994	TOLUENE	1.0	U	1000
KBA-11-11A	04/05/1994	TOLUENE	1.0	U	1000
KBA-11-11A	01/04/1994	TOLUENE	1.0	U	1000
KBA-11-11A	08/02/1999	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-11A	04/16/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-11A	09/14/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-11A	09/14/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-11A	04/05/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-11A	04/05/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-11A	01/04/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-11A	08/02/1999	TRICHLOROETHENE	1.0	U	5
KBA-11-11A	04/16/1996	TRICHLOROETHENE	0.0	U	5
KBA-11-11A	09/14/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-11A	09/14/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-11A	04/05/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-11A	04/05/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-11A	01/04/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-11A	08/02/1999	VINYL CHLORIDE	1.0	U	2
KBA-11-11A	04/16/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-11A	09/14/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-11A	09/14/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-11A	04/05/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-11A	04/05/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-11A	01/04/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-11A	08/02/1999	XYLENES, TOTAL	3.0	U	10000
KBA-11-11A	04/16/1996	XYLENES, TOTAL	0.0	U	10000
KBA-11-11A	09/14/1994	XYLENES, TOTAL	1.0	U	10000
KBA-11-11A	09/14/1994	XYLENES, TOTAL	1.0	U	10000
KBA-11-11A	04/05/1994	XYLENES, TOTAL	1.0	U	10000
KBA-11-11A	04/05/1994	XYLENES, TOTAL	1.0	U	10000
KBA-11-11A	01/04/1994	XYLENES, TOTAL	1.0	U	10000

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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	**01/07/1994**	**1,1-DICHLOROETHANE**	**100.0**	**U**	**1**
KBA-11-13A	**04/09/1994**	**1,1-DICHLOROETHANE**	**83.0**	**U**	**1**
KBA-11-13A	**09/15/1994**	**1,1-DICHLOROETHANE**	**50.0**	**U**	**1**
KBA-11-13A	**04/12/1995**	**1,1-DICHLOROETHANE**	**3.0**		**1**
KBA-11-13A	**04/18/1996**	**1,1-DICHLOROETHANE**	**2.0**		**1**
KBA-11-13A	**05/29/1996**	**1,1-DICHLOROETHANE**	**1.0**		**1**
KBA-11-13A	05/31/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-13A	06/05/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-13A	06/08/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-13A	06/13/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-13A	06/28/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-13A	07/17/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-13A	10/24/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-13A	09/18/1997	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-13A	09/18/1997	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-13A	08/03/1999	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-13A	11/09/1999	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-13A	02/11/2000	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-13A	05/04/2000	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-13A	**01/07/1994**	**1,1-DICHLOROETHENE**	**100.0**	**U**	**7**
KBA-11-13A	**04/09/1994**	**1,1-DICHLOROETHENE**	**83.0**	**U**	**7**
KBA-11-13A	**09/15/1994**	**1,1-DICHLOROETHENE**	**50.0**	**U**	**7**
KBA-11-13A	04/12/1995	1,1-DICHLOROETHENE	0.4	J	7
KBA-11-13A	04/18/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-13A	05/29/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-13A	05/31/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-13A	06/05/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-13A	06/08/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-13A	06/13/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-13A	06/28/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-13A	07/17/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-13A	10/24/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-13A	09/18/1997	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-13A	08/03/1999	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-13A	11/09/1999	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-13A	02/11/2000	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-13A	08/03/1999	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-13A	11/09/1999	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-13A	02/11/2000	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-13A	05/04/2000	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-13A	09/15/1994	1,4-DICHLOROBENZENE	10.0	U	75
KBA-11-13A	09/15/1994	1,4-DICHLOROBENZENE	20.0	R	75
KBA-11-13A	09/15/1994	1,4-DICHLOROBENZENE	50.0	U	75
KBA-11-13A	04/12/1995	1,4-DICHLOROBENZENE	1.0	J	75
KBA-11-13A	04/12/1995	1,4-DICHLOROBENZENE	1.0	J	75
KBA-11-13A	04/18/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-13A	04/18/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-13A	05/29/1996	1,4-DICHLOROBENZENE	2.0		75
KBA-11-13A	05/29/1996	1,4-DICHLOROBENZENE	2.0		75
KBA-11-13A	05/31/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-13A	05/31/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-13A	06/05/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-13A	06/05/1996	1,4-DICHLOROBENZENE	0.0	U	75

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

KBA-11-13A	**01/07/1994**	**1,1-DICHLOROETHANE**	**100.0**	**U**	**1**
KBA-11-13A	06/08/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-13A	06/08/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-13A	06/13/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-13A	06/13/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-13A	06/28/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-13A	06/28/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-13A	09/18/1997	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-13A	09/18/1997	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-13A	08/03/1999	1,4-DICHLOROBENZENE	4.0		75
KBA-11-13A	11/09/1999	1,4-DICHLOROBENZENE	5.2		75
KBA-11-13A	02/11/2000	1,4-DICHLOROBENZENE	4.0		75
KBA-11-13A	05/04/2000	1,4-DICHLOROBENZENE	3.0		75
KBA-11-13A	**01/07/1994**	**BENZENE**	**100.0**	**U**	**5**
KBA-11-13A	**04/09/1994**	**BENZENE**	**83.0**	**U**	**5**
KBA-11-13A	**09/15/1994**	**BENZENE**	**50.0**	**U**	**5**
KBA-11-13A	04/12/1995	BENZENE	4.0		5
KBA-11-13A	04/18/1996	BENZENE	0.0	U	5
KBA-11-13A	05/29/1996	BENZENE	3.0		5
KBA-11-13A	05/31/1996	BENZENE	0.0	U	5
KBA-11-13A	06/05/1996	BENZENE	0.0	U	5
KBA-11-13A	06/08/1996	BENZENE	0.0	U	5
KBA-11-13A	06/13/1996	BENZENE	0.0	U	5
KBA-11-13A	06/28/1996	BENZENE	0.0	U	5
KBA-11-13A	07/17/1996	BENZENE	0.0	U	5
KBA-11-13A	10/24/1996	BENZENE	0.0	U	5
KBA-11-13A	09/18/1997	BENZENE	0.0	U	5
KBA-11-13A	09/18/1997	BENZENE	0.0	U	5
KBA-11-13A	08/03/1999	BENZENE	1.1	I	5
KBA-11-13A	11/09/1999	BENZENE	1.3	I	5
KBA-11-13A	02/11/2000	BENZENE	2.0		5
KBA-11-13A	05/04/2000	BENZENE	2.0		5
KBA-11-13A	**01/07/1994**	**CHLOROBENZENE**	**100.0**	**U**	**1**
KBA-11-13A	**04/09/1994**	**CHLOROBENZENE**	**83.0**	**U**	**1**
KBA-11-13A	**09/15/1994**	**CHLOROBENZENE**	**50.0**	**U**	**1**
KBA-11-13A	**04/12/1995**	**CHLOROBENZENE**	**2.0**		**1**
KBA-11-13A	04/18/1996	CHLOROBENZENE	0.0	U	1
KBA-11-13A	**05/29/1996**	**CHLOROBENZENE**	**5.0**		**1**
KBA-11-13A	05/31/1996	CHLOROBENZENE	0.0	U	1
KBA-11-13A	06/05/1996	CHLOROBENZENE	0.0	U	1
KBA-11-13A	06/08/1996	CHLOROBENZENE	0.0	U	1
KBA-11-13A	06/13/1996	CHLOROBENZENE	0.0	U	1
KBA-11-13A	06/28/1996	CHLOROBENZENE	0.0	U	1
KBA-11-13A	07/17/1996	CHLOROBENZENE	0.0	U	1
KBA-11-13A	**10/24/1996**	**CHLOROBENZENE**	**5.0**	**J**	**1**
KBA-11-13A	09/18/1997	CHLOROBENZENE	0.0	U	1
KBA-11-13A	**08/03/1999**	**CHLOROBENZENE**	**6.2**		**1**
KBA-11-13A	**11/09/1999**	**CHLOROBENZENE**	**8.2**		**1**
KBA-11-13A	**02/11/2000**	**CHLOROBENZENE**	**6.0**		**1**
KBA-11-13A	**05/04/2000**	**CHLOROBENZENE**	**5.0**		**1**
KBA-11-13A	**01/07/1994**	**CHLOROETHANE**	**200.0**	**U**	**1**
KBA-11-13A	**04/09/1994**	**CHLOROETHANE**	**170.0**	**U**	**1**
KBA-11-13A	**09/15/1994**	**CHLOROETHANE**	**50.0**	**U**	**1**
KBA-11-13A	04/12/1995	CHLOROETHANE	0.0	U	1
KBA-11-13A	04/18/1996	CHLOROETHANE	0.0	U	1

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

KBA-11-13A	**01/07/1994**	**1,1-DICHLOROETHANE**	**100.0**	**U**	**1**
KBA-11-13A	05/29/1996	CHLOROETHANE	0.0	U	1
KBA-11-13A	05/31/1996	CHLOROETHANE	0.0	U	1
KBA-11-13A	06/05/1996	CHLOROETHANE	0.0	U	1
KBA-11-13A	06/08/1996	CHLOROETHANE	0.0	U	1
KBA-11-13A	06/13/1996	CHLOROETHANE	0.0	U	1
KBA-11-13A	06/28/1996	CHLOROETHANE	0.0	U	1
KBA-11-13A	07/17/1996	CHLOROETHANE	0.0	U	1
KBA-11-13A	10/24/1996	CHLOROETHANE	0.0	U	1
KBA-11-13A	09/18/1997	CHLOROETHANE	0.0	U	1
KBA-11-13A	08/03/1999	CHLOROETHANE	2.0	U	1
KBA-11-13A	11/09/1999	CHLOROETHANE	**1.0**	**U**	**1**
KBA-11-13A	02/11/2000	CHLOROETHANE	1.0	U	1
KBA-11-13A	05/04/2000	CHLOROETHANE	1.0	U	1
KBA-11-13A	**09/15/1994**	**CIS-1,2-DICHLOROETHENE**	**700.0**		**70**
KBA-11-13A	**04/12/1995**	**CIS-1,2-DICHLOROETHENE**	**440.0**		**70**
KBA-11-13A	04/18/1996	CIS-1,2-DICHLOROETHENE	13.0		70
KBA-11-13A	**05/29/1996**	**CIS-1,2-DICHLOROETHENE**	**320.0**		**70**
KBA-11-13A	**05/31/1996**	**CIS-1,2-DICHLOROETHENE**	**280.0**		**70**
KBA-11-13A	**06/05/1996**	**CIS-1,2-DICHLOROETHENE**	**320.0**		**70**
KBA-11-13A	**06/08/1996**	**CIS-1,2-DICHLOROETHENE**	**360.0**		**70**
KBA-11-13A	**06/13/1996**	**CIS-1,2-DICHLOROETHENE**	**300.0**		**70**
KBA-11-13A	**06/28/1996**	**CIS-1,2-DICHLOROETHENE**	**320.0**		**70**
KBA-11-13A	**07/17/1996**	**CIS-1,2-DICHLOROETHENE**	**250.0**		**70**
KBA-11-13A	**10/24/1996**	**CIS-1,2-DICHLOROETHENE**	**190.0**		**70**
KBA-11-13A	**09/18/1997**	**CIS-1,2-DICHLOROETHENE**	**770.0**		**70**
KBA-11-13A	09/18/1997	CIS-1,2-DICHLOROETHENE	0.0	U	70
KBA-11-13A	**11/10/1997**	**CIS-1,2-DICHLOROETHENE**	**190.0**		**70**
KBA-11-13A	**09/17/1998**	**CIS-1,2-DICHLOROETHENE**	**160.0**		**70**
KBA-11-13A	**10/30/1998**	**CIS-1,2-DICHLOROETHENE**	**130.0**		**70**
KBA-11-13A	11/04/1998	CIS-1,2-DICHLOROETHENE	5.0		70
KBA-11-13A	**11/24/1998**	**CIS-1,2-DICHLOROETHENE**	**100.0**		**70**
KBA-11-13A	**11/25/1998**	**CIS-1,2-DICHLOROETHENE**	**79.0**		**70**
KBA-11-13A	**12/22/1998**	**CIS-1,2-DICHLOROETHENE**	**230.0**		**70**
KBA-11-13A	01/07/1999	CIS-1,2-DICHLOROETHENE	34.0		70
KBA-11-13A	**01/27/1999**	**CIS-1,2-DICHLOROETHENE**	**110.0**		**70**
KBA-11-13A	**02/18/1999**	**CIS-1,2-DICHLOROETHENE**	**150.0**		**70**
KBA-11-13A	**03/15/1999**	**CIS-1,2-DICHLOROETHENE**	**150.0**		**70**
KBA-11-13A	04/07/1999	CIS-1,2-DICHLOROETHENE	49.0		70
KBA-11-13A	**05/20/1999**	**CIS-1,2-DICHLOROETHENE**	**350.0**		**70**
KBA-11-13A	**06/23/1999**	**CIS-1,2-DICHLOROETHENE**	**280.0**		**70**
KBA-11-13A	**07/26/1999**	**CIS-1,2-DICHLOROETHENE**	**240.0**		**70**
KBA-11-13A	**08/03/1999**	**CIS-1,2-DICHLOROETHENE**	**190.0**		**70**
KBA-11-13A	08/17/1999	**CIS-1,2-DICHLOROETHENE**	**240.0**		**70**
KBA-11-13A	**11/09/1999**	**CIS-1,2-DICHLOROETHENE**	**260.0**		**70**
KBA-11-13A	**02/11/2000**	**CIS-1,2-DICHLOROETHENE**	**230.0**		**70**
KBA-11-13A	**05/04/2000**	**CIS-1,2-DICHLOROETHENE**	**170.0**		**70**
KBA-11-13A	01/07/1994	ETHYLBENZENE	130.0		700
KBA-11-13A	04/09/1994	ETHYLBENZENE	120.0		700
KBA-11-13A	09/15/1994	ETHYLBENZENE	110.0		700
KBA-11-13A	04/12/1995	ETHYLBENZENE	120.0		700
KBA-11-13A	04/18/1996	ETHYLBENZENE	7.0		700
KBA-11-13A	05/29/1996	ETHYLBENZENE	120.0		700
KBA-11-13A	05/31/1996	ETHYLBENZENE	120.0		700
KBA-11-13A	06/05/1996	ETHYLBENZENE	98.0		700

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BOLD exceeds the GPS.

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

KBA-11-13A	**01/07/1994**	**1,1-DICHLOROETHANE**	**100.0**	**U**	**1**
KBA-11-13A	06/08/1996	ETHYLBENZENE	100.0		700
KBA-11-13A	06/13/1996	ETHYLBENZENE	110.0		700
KBA-11-13A	06/28/1996	ETHYLBENZENE	120.0		700
KBA-11-13A	07/17/1996	ETHYLBENZENE	120.0		700
KBA-11-13A	10/24/1996	ETHYLBENZENE	160.0		700
KBA-11-13A	09/18/1997	ETHYLBENZENE	140.0		700
KBA-11-13A	09/18/1997	ETHYLBENZENE	53.0		700
KBA-11-13A	08/03/1999	ETHYLBENZENE	66.0		700
KBA-11-13A	11/09/1999	ETHYLBENZENE	92.0		700
KBA-11-13A	02/11/2000	ETHYLBENZENE	64.0		700
KBA-11-13A	05/04/2000	ETHYLBENZENE	64.0		700
KBA-11-13A	**01/07/1994**	**TETRACHLOROETHENE**	**100.0**	**U**	**5**
KBA-11-13A	**04/09/1994**	**TETRACHLOROETHENE**	**580.0**		**5**
KBA-11-13A	**09/15/1994**	**TETRACHLOROETHENE**	**460.0**		**5**
KBA-11-13A	**04/12/1995**	**TETRACHLOROETHENE**	**1300.0**		**5**
KBA-11-13A	**04/18/1996**	**TETRACHLOROETHENE**	**15.0**		**5**
KBA-11-13A	**05/29/1996**	**TETRACHLOROETHENE**	**1000.0**		**5**
KBA-11-13A	**05/31/1996**	**TETRACHLOROETHENE**	**770.0**		**5**
KBA-11-13A	**06/05/1996**	**TETRACHLOROETHENE**	**960.0**		**5**
KBA-11-13A	**06/08/1996**	**TETRACHLOROETHENE**	**1200.0**		**5**
KBA-11-13A	**06/13/1996**	**TETRACHLOROETHENE**	**710.0**		**5**
KBA-11-13A	**06/28/1996**	**TETRACHLOROETHENE**	**1200.0**		**5**
KBA-11-13A	**07/17/1996**	**TETRACHLOROETHENE**	**1800.0**		**5**
KBA-11-13A	**10/24/1996**	**TETRACHLOROETHENE**	**420.0**		**5**
KBA-11-13A	09/18/1997	TETRACHLOROETHENE	0.0	U	5
KBA-11-13A	09/18/1997	TETRACHLOROETHENE	0.0	U	5
KBA-11-13A	**11/10/1997**	**TETRACHLOROETHENE**	**420.0**		**5**
KBA-11-13A	09/17/1998	TETRACHLOROETHENE	1.0	U	5
KBA-11-13A	10/30/1998	TETRACHLOROETHENE	10.0	U	5
KBA-11-13A	11/04/1998	TETRACHLOROETHENE	3.0	U	5
KBA-11-13A	11/24/1998	TETRACHLOROETHENE	1.0	U	5
KBA-11-13A	11/25/1998	TETRACHLOROETHENE	5.0	U	5
KBA-11-13A	12/22/1998	TETRACHLOROETHENE	1.0	U	5
KBA-11-13A	01/07/1999	TETRACHLOROETHENE	5.0	U	5
KBA-11-13A	01/27/1999	TETRACHLOROETHENE	3.0	U	5
KBA-11-13A	02/18/1999	TETRACHLOROETHENE	1.0	U	5
KBA-11-13A	03/15/1999	TETRACHLOROETHENE	10.0	U	5
KBA-11-13A	04/07/1999	TETRACHLOROETHENE	1.0	U	5
KBA-11-13A	05/20/1999	TETRACHLOROETHENE	3.0	U	5
KBA-11-13A	06/23/1999	TETRACHLOROETHENE	3.0	U	5
KBA-11-13A	07/26/1999	TETRACHLOROETHENE	15.0	U	5
KBA-11-13A	08/03/1999	TETRACHLOROETHENE	3.0	U	5
KBA-11-13A	08/17/1999	TETRACHLOROETHENE	1.0	U	5
KBA-11-13A	11/09/1999	TETRACHLOROETHENE	3.0	U	5
KBA-11-13A	02/11/2000	TETRACHLOROETHENE	1.0	U	5
KBA-11-13A	05/04/2000	TETRACHLOROETHENE	1.0	U	5
KBA-11-13A	01/07/1994	TOLUENE	170.0		1000
KBA-11-13A	04/09/1994	TOLUENE	89.0		1000
KBA-11-13A	09/15/1994	TOLUENE	120.0		1000
KBA-11-13A	04/12/1995	TOLUENE	75.0		1000
KBA-11-13A	04/18/1996	TOLUENE	3.0		1000
KBA-11-13A	05/29/1996	TOLUENE	23.0	J	1000
KBA-11-13A	05/31/1996	TOLUENE	0.0	U	1000

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

KBA-11-13A	**01/07/1994**	**1,1-DICHLOROETHANE**	**100.0**	**U**	**1**
KBA-11-13A	06/05/1996	TOLUENE	25.0		1000
KBA-11-13A	06/08/1996	TOLUENE	0.0	U	1000
KBA-11-13A	06/13/1996	TOLUENE	17.0		1000
KBA-11-13A	06/28/1996	TOLUENE	0.0	U	1000
KBA-11-13A	07/17/1996	TOLUENE	20.0	J	1000
KBA-11-13A	10/24/1996	TOLUENE	30.0		1000
KBA-11-13A	09/18/1997	TOLUENE	18.0	J	1000
KBA-11-13A	09/18/1997	TOLUENE	0.0	U	1000
KBA-11-13A	08/03/1999	TOLUENE	2.7		1000
KBA-11-13A	11/09/1999	TOLUENE	4.2		1000
KBA-11-13A	02/11/2000	TOLUENE	2.0		1000
KBA-11-13A	05/04/2000	TOLUENE	2.0		1000
KBA-11-13A	09/15/1994	TRANS-1,2-DICHLOROETHENE	50.0	U	100
KBA-11-13A	04/12/1995	TRANS-1,2-DICHLOROETHENE	11.0		100
KBA-11-13A	04/18/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-13A	05/29/1996	TRANS-1,2-DICHLOROETHENE	9.0		100
KBA-11-13A	05/31/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-13A	06/05/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-13A	06/08/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-13A	06/13/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-13A	06/28/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-13A	07/17/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-13A	10/24/1996	TRANS-1,2-DICHLOROETHENE	5.0	J	100
KBA-11-13A	09/18/1997	TRANS-1,2-DICHLOROETHENE	11.0	J	100
KBA-11-13A	08/03/1999	TRANS-1,2-DICHLOROETHENE	7.4		100
KBA-11-13A	11/09/1999	TRANS-1,2-DICHLOROETHENE	6.6		100
KBA-11-13A	02/11/2000	TRANS-1,2-DICHLOROETHENE	6.0		100
KBA-11-13A	05/04/2000	TRANS-1,2-DICHLOROETHENE	6.0		100
KBA-11-13A	**01/07/1994**	**TRICHLOROETHENE**	**300.0**		**5**
KBA-11-13A	**04/09/1994**	**TRICHLOROETHENE**	**2400.0**		**5**
KBA-11-13A	**09/15/1994**	**TRICHLOROETHENE**	**770.0**		**5**
KBA-11-13A	**04/12/1995**	**TRICHLOROETHENE**	**790.0**		**5**
KBA-11-13A	**04/18/1996**	**TRICHLOROETHENE**	**9.0**		**5**
KBA-11-13A	**05/29/1996**	**TRICHLOROETHENE**	**800.0**		**5**
KBA-11-13A	**05/31/1996**	**TRICHLOROETHENE**	**640.0**		**5**
KBA-11-13A	**06/05/1996**	**TRICHLOROETHENE**	**700.0**		**5**
KBA-11-13A	**06/08/1996**	**TRICHLOROETHENE**	**880.0**		**5**
KBA-11-13A	**06/13/1996**	**TRICHLOROETHENE**	**620.0**		**5**
KBA-11-13A	**06/28/1996**	**TRICHLOROETHENE**	**750.0**		**5**
KBA-11-13A	**07/17/1996**	**TRICHLOROETHENE**	**1000.0**		**5**
KBA-11-13A	**10/24/1996**	**TRICHLOROETHENE**	**540.0**		**5**
KBA-11-13A	**09/18/1997**	**TRICHLOROETHENE**	**170.0**		**5**
KBA-11-13A	09/18/1997	TRICHLOROETHENE	0.0	U	5
KBA-11-13A	**11/10/1997**	**TRICHLOROETHENE**	**540.0**		**5**
KBA-11-13A	**09/17/1998**	**TRICHLOROETHENE**	**24.0**		**5**
KBA-11-13A	**10/30/1998**	**TRICHLOROETHENE**	**16.0**		**5**
KBA-11-13A	**11/04/1998**	**TRICHLOROETHENE**	**15.0**		**5**
KBA-11-13A	**11/24/1998**	**TRICHLOROETHENE**	**16.0**		**5**
KBA-11-13A	**11/25/1998**	**TRICHLOROETHENE**	**16.0**		**5**
KBA-11-13A	**12/22/1998**	**TRICHLOROETHENE**	**14.0**		**5**
KBA-11-13A	01/07/1999	TRICHLOROETHENE	5.0	U	5
KBA-11-13A	**01/27/1999**	**TRICHLOROETHENE**	**20.0**		**5**
KBA-11-13A	**02/18/1999**	**TRICHLOROETHENE**	**15.0**		**5**
KBA-11-13A	**03/15/1999**	**TRICHLOROETHENE**	**13.0**		**5**

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KBA-11-13A	**01/07/1994**	**1,1-DICHLOROETHANE**	**100.0**	**U**	**1**
KBA-11-13A	**04/07/1999**	**TRICHLOROETHENE**	**7.0**		**5**
KBA-11-13A	**05/20/1999**	**TRICHLOROETHENE**	**29.0**		**5**
KBA-11-13A	**06/23/1999**	**TRICHLOROETHENE**	**25.0**		**5**
KBA-11-13A	**07/26/1999**	**TRICHLOROETHENE**	**26.0**		**5**
KBA-11-13A	**08/03/1999**	**TRICHLOROETHENE**	**19.0**		**5**
KBA-11-13A	**08/17/1999**	**TRICHLOROETHENE**	**24.0**		**5**
KBA-11-13A	**11/09/1999**	**TRICHLOROETHENE**	**17.0**		**5**
KBA-11-13A	**02/11/2000**	**TRICHLOROETHENE**	**14.0**		**5**
KBA-11-13A	**05/04/2000**	**TRICHLOROETHENE**	**17.0**		**5**
KBA-11-13A	**01/07/1994**	**VINYL CHLORIDE**	**170.0**	**J**	**2**
KBA-11-13A	**04/09/1994**	**VINYL CHLORIDE**	**110.0**	**J**	**2**
KBA-11-13A	**09/15/1994**	**VINYL CHLORIDE**	**50.0**	**U**	**2**
KBA-11-13A	**04/12/1995**	**VINYL CHLORIDE**	**53.0**		**2**
KBA-11-13A	04/18/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-13A	**05/29/1996**	**VINYL CHLORIDE**	**7.0**		**2**
KBA-11-13A	05/31/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-13A	06/05/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-13A	06/08/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-13A	06/13/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-13A	06/28/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-13A	07/17/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-13A	**10/24/1996**	**VINYL CHLORIDE**	**14.0**		**2**
KBA-11-13A	**09/18/1997**	**VINYL CHLORIDE**	**39.0**		**2**
KBA-11-13A	09/18/1997	VINYL CHLORIDE	0.0	U	2
KBA-11-13A	**11/10/1997**	**VINYL CHLORIDE**	**14.0**		**2**
KBA-11-13A	**09/17/1998**	**VINYL CHLORIDE**	**78.0**		**2**
KBA-11-13A	**10/30/1998**	**VINYL CHLORIDE**	**10.0**		**2**
KBA-11-13A	**11/04/1998**	**VINYL CHLORIDE**	**28.0**		**2**
KBA-11-13A	**11/24/1998**	**VINYL CHLORIDE**	**22.0**		**2**
KBA-11-13A	**11/25/1998**	**VINYL CHLORIDE**	**26.0**		**2**
KBA-11-13A	**12/22/1998**	**VINYL CHLORIDE**	**22.0**		**2**
KBA-11-13A	**01/07/1999**	**VINYL CHLORIDE**	**60.0**		**2**
KBA-11-13A	**01/27/1999**	**VINYL CHLORIDE**	**22.0**		**2**
KBA-11-13A	**02/18/1999**	**VINYL CHLORIDE**	**22.0**		**2**
KBA-11-13A	**03/15/1999**	**VINYL CHLORIDE**	**15.0**		**2**
KBA-11-13A	**04/07/1999**	**VINYL CHLORIDE**	**93.0**		**2**
KBA-11-13A	**05/20/1999**	**VINYL CHLORIDE**	**61.0**		**2**
KBA-11-13A	**06/23/1999**	**VINYL CHLORIDE**	**45.0**		**2**
KBA-11-13A	**07/26/1999**	**VINYL CHLORIDE**	**57.0**		**2**
KBA-11-13A	**08/03/1999**	**VINYL CHLORIDE**	**48.0**		**2**
KBA-11-13A	**08/17/1999**	**VINYL CHLORIDE**	**26.0**		**2**
KBA-11-13A	**11/09/1999**	**VINYL CHLORIDE**	**46.0**		**2**
KBA-11-13A	**02/11/2000**	**VINYL CHLORIDE**	**20.0**		**2**
KBA-11-13A	**05/04/2000**	**VINYL CHLORIDE**	**18.0**		**2**
KBA-11-13A	01/07/1994	XYLENES, TOTAL	240.0		10000
KBA-11-13A	04/09/1994	XYLENES, TOTAL	200.0		10000
KBA-11-13A	09/15/1994	XYLENES, TOTAL	310.0		10000
KBA-11-13A	04/12/1995	XYLENES, TOTAL	260.0		10000
KBA-11-13A	04/18/1996	XYLENES, TOTAL	21.0		10000
KBA-11-13A	07/17/1996	XYLENES, TOTAL	140.0		10000
KBA-11-13A	10/24/1996	XYLENES, TOTAL	300.0		10000
KBA-11-13A	09/18/1997	XYLENES, TOTAL	240.0		10000
KBA-11-13A	08/03/1999	XYLENES, TOTAL	14.4		10000
KBA-11-13A	11/09/1999	XYLENES, TOTAL	49.0		10000

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

KBA-11-13A	**01/07/1994**	**1,1-DICHLOROETHANE**	**100.0**	**U**	**1**
KBA-11-13A	02/11/2000	XYLENES, TOTAL	23.0		10000
KBA-11-13A	05/04/2000	XYLENES, TOTAL	4.0		10000

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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	08/03/1999	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-13B	09/18/1997	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-13B	10/22/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-13B	04/17/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-13B	09/15/1994	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-13B	04/09/1994	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-13B	01/07/1994	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-13B	08/03/1999	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-13B	09/18/1997	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-13B	10/22/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-13B	04/17/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-13B	09/15/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-13B	04/09/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-13B	01/07/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-13B	08/03/1999	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-13B	08/03/1999	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-13B	09/18/1997	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-13B	09/18/1997	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-13B	04/17/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-13B	04/17/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-13B	09/15/1994	1,4-DICHLOROBENZENE	10.0	U	75
KBA-11-13B	09/15/1994	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-13B	08/03/1999	BENZENE	1.0	U	5
KBA-11-13B	09/18/1997	BENZENE	0.0	U	5
KBA-11-13B	10/22/1996	BENZENE	0.0	U	5
KBA-11-13B	04/17/1996	BENZENE	3.0		5
KBA-11-13B	09/15/1994	BENZENE	1.0	U	5
KBA-11-13B	04/09/1994	BENZENE	1.0	U	5
KBA-11-13B	01/07/1994	BENZENE	1.0	U	5
KBA-11-13B	08/03/1999	CHLOROBENZENE	1.0	U	1
KBA-11-13B	09/18/1997	CHLOROBENZENE	0.0	U	1
KBA-11-13B	10/22/1996	CHLOROBENZENE	0.0	U	1
KBA-11-13B	04/17/1996	CHLOROBENZENE	1.0	J	1
KBA-11-13B	09/15/1994	CHLOROBENZENE	1.0	U	1
KBA-11-13B	04/09/1994	CHLOROBENZENE	1.0	U	1
KBA-11-13B	01/07/1994	CHLOROBENZENE	1.0	U	1
KBA-11-13B	08/03/1999	CHLOROETHANE	2.0	U	1
KBA-11-13B	09/18/1997	CHLOROETHANE	0.0	U	1
KBA-11-13B	10/22/1996	CHLOROETHANE	0.0	U	1
KBA-11-13B	04/17/1996	CHLOROETHANE	0.0	U	1
KBA-11-13B	09/15/1994	CHLOROETHANE	1.0	U	1
KBA-11-13B	04/09/1994	CHLOROETHANE	1.0	U	1
KBA-11-13B	01/07/1994	CHLOROETHANE	1.0	U	1
KBA-11-13B	08/03/1999	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-13B	09/18/1997	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	04/17/1996	CIS-1,2-DICHLOROETHENE	16.0		70
KBA-11-13B	09/15/1994	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-13B	04/09/1994	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-13B	01/07/1994	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-13B	08/03/1999	ETHYLBENZENE	1.0	U	700
KBA-11-13B	09/18/1997	ETHYLBENZENE	0.0	U	700
KBA-11-13B	10/22/1996	ETHYLBENZENE	0.2	J	700

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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	04/17/1996	ETHYLBENZENE	8.0		700
KBA-11-13B	09/15/1994	ETHYLBENZENE	1.0	U	700
KBA-11-13B	04/09/1994	ETHYLBENZENE	1.0	U	700
KBA-11-13B	01/07/1994	ETHYLBENZENE	1.0	U	700
KBA-11-13B	08/03/1999	TETRACHLOROETHENE	3.0	U	5
KBA-11-13B	09/18/1997	TETRACHLOROETHENE	0.0	U	5
KBA-11-13B	10/22/1996	TETRACHLOROETHENE	0.0	U	5
KBA-11-13B	04/17/1996	TETRACHLOROETHENE	0.0	U	5
KBA-11-13B	09/15/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-13B	04/09/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-13B	01/07/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-13B	08/03/1999	TOLUENE	1.0	U	1000
KBA-11-13B	09/18/1997	TOLUENE	0.0	U	1000
KBA-11-13B	10/22/1996	TOLUENE	0.0	U	1000
KBA-11-13B	04/17/1996	TOLUENE	0.5	J	1000
KBA-11-13B	09/15/1994	TOLUENE	1.0	U	1000
KBA-11-13B	04/09/1994	TOLUENE	1.0	U	1000
KBA-11-13B	01/07/1994	TOLUENE	1.0	U	1000
KBA-11-13B	08/03/1999	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-13B	09/18/1997	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	04/17/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-13B	09/15/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-13B	04/09/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-13B	01/07/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-13B	08/03/1999	TRICHLOROETHENE	1.0	U	5
KBA-11-13B	09/18/1997	TRICHLOROETHENE	0.0	U	5
KBA-11-13B	10/22/1996	TRICHLOROETHENE	0.0	U	5
KBA-11-13B	04/17/1996	TRICHLOROETHENE	0.0	U	5
KBA-11-13B	09/15/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-13B	04/09/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-13B	01/07/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-13B	08/03/1999	VINYL CHLORIDE	1.0	U	2
KBA-11-13B	09/18/1997	VINYL CHLORIDE	0.0	U	2
KBA-11-13B	10/22/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-13B	04/17/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-13B	09/15/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-13B	04/09/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-13B	01/07/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-13B	08/03/1999	XYLENES, TOTAL	3.0	U	10000
KBA-11-13B	09/18/1997	XYLENES, TOTAL	0.0	U	10000
KBA-11-13B	10/22/1996	XYLENES, TOTAL	0.0	U	10000
KBA-11-13B	04/17/1996	XYLENES, TOTAL	0.0	U	10000
KBA-11-13B	09/15/1994	XYLENES, TOTAL	1.0	U	10000
KBA-11-13B	04/09/1994	XYLENES, TOTAL	1.0	U	10000
KBA-11-13B	01/07/1994	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	01/05/1994	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-15	04/06/1994	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-15	09/15/1994	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-15	04/16/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-15	04/16/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-15	09/16/1997	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-15	08/03/1999	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-15	02/11/2000	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-15	01/05/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-15	04/06/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-15	09/15/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-15	04/16/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-15	04/16/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-15	08/03/1999	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-15	02/11/2000	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-15	08/03/1999	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-15	02/11/2000	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-15	09/14/1994	1,4-DICHLOROBENZENE	20.0	R	75
KBA-11-15	09/15/1994	1,4-DICHLOROBENZENE	10.0	U	75
KBA-11-15	09/15/1994	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-15	04/16/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-15	04/16/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-15	04/16/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-15	04/16/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-15	08/03/1999	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-15	02/11/2000	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-15	01/05/1994	BENZENE	1.0	U	5
KBA-11-15	04/06/1994	BENZENE	1.0	U	5
KBA-11-15	09/15/1994	BENZENE	1.0	U	5
KBA-11-15	04/16/1996	BENZENE	0.0	U	5
KBA-11-15	04/16/1996	BENZENE	0.0	U	5
KBA-11-15	09/16/1997	BENZENE	0.0	U	5
KBA-11-15	08/03/1999	BENZENE	1.0	U	5
KBA-11-15	02/11/2000	BENZENE	1.0	U	5
KBA-11-15	01/05/1994	CHLOROBENZENE	1.0	U	1
KBA-11-15	04/06/1994	CHLOROBENZENE	1.0	U	1
KBA-11-15	09/15/1994	CHLOROBENZENE	1.0	U	1
KBA-11-15	04/16/1996	CHLOROBENZENE	0.0	U	1
KBA-11-15	04/16/1996	CHLOROBENZENE	0.0	U	1
KBA-11-15	08/03/1999	CHLOROBENZENE	1.0	U	1
KBA-11-15	02/11/2000	CHLOROBENZENE	1.0	U	1
KBA-11-15	01/05/1994	CHLOROETHANE	1.0	U	1
KBA-11-15	04/06/1994	CHLOROETHANE	1.0	U	1
KBA-11-15	09/15/1994	CHLOROETHANE	1.0	U	1
KBA-11-15	04/16/1996	CHLOROETHANE	0.0	U	1
KBA-11-15	04/16/1996	CHLOROETHANE	0.0	U	1
KBA-11-15	08/03/1999	CHLOROETHANE	1.0	U	1
KBA-11-15	02/11/2000	CHLOROETHANE	1.0	U	1
KBA-11-15	01/05/1994	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-15	04/06/1994	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-15	09/15/1994	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-15	04/16/1996	CIS-1,2-DICHLOROETHENE	0.0	U	70
KBA-11-15	04/16/1996	CIS-1,2-DICHLOROETHENE	0.0	U	70

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	09/16/1997	CIS-1,2-DICHLOROETHENE	0.0	U	70
KBA-11-15	11/10/1997	CIS-1,2-DICHLOROETHENE	5.0	U	70
KBA-11-15	08/03/1999	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-15	02/11/2000	CIS-1,2-DICHLOROETHENE	0.9	I	70
KBA-11-15	01/05/1994	ETHYLBENZENE	1.0	U	700
KBA-11-15	04/06/1994	ETHYLBENZENE	1.0	U	700
KBA-11-15	09/15/1994	ETHYLBENZENE	1.0	U	700
KBA-11-15	04/16/1996	ETHYLBENZENE	0.0	U	700
KBA-11-15	04/16/1996	ETHYLBENZENE	0.0	U	700
KBA-11-15	09/16/1997	ETHYLBENZENE	0.0	U	700
KBA-11-15	08/03/1999	ETHYLBENZENE	1.0	U	700
KBA-11-15	02/11/2000	ETHYLBENZENE	1.0	U	700
KBA-11-15	01/05/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-15	04/06/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-15	09/15/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-15	04/16/1996	TETRACHLOROETHENE	0.0	U	5
KBA-11-15	04/16/1996	TETRACHLOROETHENE	0.0	U	5
KBA-11-15	09/16/1997	TETRACHLOROETHENE	0.0	U	5
KBA-11-15	11/10/1997	TETRACHLOROETHENE	5.0	U	5
KBA-11-15	08/03/1999	TETRACHLOROETHENE	3.0	U	5
KBA-11-15	02/11/2000	TETRACHLOROETHENE	1.0		5
KBA-11-15	01/05/1994	TOLUENE	1.0	U	1000
KBA-11-15	04/06/1994	TOLUENE	1.0	U	1000
KBA-11-15	09/15/1994	TOLUENE	1.0	U	1000
KBA-11-15	04/16/1996	TOLUENE	0.0	U	1000
KBA-11-15	04/16/1996	TOLUENE	0.0	U	1000
KBA-11-15	09/16/1997	TOLUENE	0.0	U	1000
KBA-11-15	08/03/1999	TOLUENE	1.0	U	1000
KBA-11-15	02/11/2000	TOLUENE	1.0	U	1000
KBA-11-15	01/05/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-15	04/06/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-15	09/15/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-15	04/16/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-15	04/16/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-15	08/03/1999	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-15	02/11/2000	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-15	01/05/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-15	04/06/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-15	09/15/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-15	04/16/1996	TRICHLOROETHENE	0.0	U	5
KBA-11-15	04/16/1996	TRICHLOROETHENE	0.0	U	5
KBA-11-15	09/16/1997	TRICHLOROETHENE	0.0	U	5
KBA-11-15	11/10/1997	TRICHLOROETHENE	5.0	U	5
KBA-11-15	08/03/1999	TRICHLOROETHENE	1.0	U	5
KBA-11-15	02/11/2000	TRICHLOROETHENE	1.0	U	5
KBA-11-15	01/05/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-15	04/06/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-15	09/15/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-15	04/16/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-15	04/16/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-15	09/16/1997	VINYL CHLORIDE	0.0	U	2
KBA-11-15	11/10/1997	VINYL CHLORIDE	2.0	U	2
KBA-11-15	08/03/1999	VINYL CHLORIDE	1.0	U	2

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	02/11/2000	VINYL CHLORIDE	1.0	U	2
KBA-11-15	01/05/1994	XYLENES, TOTAL	1.0	U	10000
KBA-11-15	04/06/1994	XYLENES, TOTAL	1.0	U	10000
KBA-11-15	09/15/1994	XYLENES, TOTAL	1.0	U	10000
KBA-11-15	04/16/1996	XYLENES, TOTAL	0.0	U	10000
KBA-11-15	04/16/1996	XYLENES, TOTAL	0.0	U	10000
KBA-11-15	08/03/1999	XYLENES, TOTAL	3.0	U	10000
KBA-11-15	02/11/2000	XYLENES, TOTAL	3.0	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	**01/07/1994**	**1,1-DICHLOROETHANE**	**13.0**		**1**
KBA-11-16	**01/07/1994**	**1,1-DICHLOROETHANE**	**11.0**	**R**	**1**
KBA-11-16	**04/07/1994**	**1,1-DICHLOROETHANE**	**11.0**		**1**
KBA-11-16	**09/15/1994**	**1,1-DICHLOROETHANE**	**2.0**		**1**
KBA-11-16	**09/15/1994**	**1,1-DICHLOROETHANE**	**3.0**		**1**
KBA-11-16	**04/12/1995**	**1,1-DICHLOROETHANE**	**18.0**		**1**
KBA-11-16	**04/17/1996**	**1,1-DICHLOROETHANE**	**32.0**		**1**
KBA-11-16	**05/29/1996**	**1,1-DICHLOROETHANE**	**13.0**		**1**
KBA-11-16	**06/13/1996**	**1,1-DICHLOROETHANE**	**11.0**		**1**
KBA-11-16	**07/17/1996**	**1,1-DICHLOROETHANE**	**24.0**		**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	03/08/1997	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-16	**09/18/1997**	**1,1-DICHLOROETHANE**	**3.0**		**1**
KBA-11-16	08/03/1999	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-16	**11/09/1999**	**1,1-DICHLOROETHANE**	**1.6**	**I**	**1**
KBA-11-16	**02/11/2000**	**1,1-DICHLOROETHANE**	**5.0**		**1**
KBA-11-16	05/04/2000	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-16	01/07/1994	1,1-DICHLOROETHENE	0.7	J	7
KBA-11-16	01/07/1994	1,1-DICHLOROETHENE	20.0	UR	7
KBA-11-16	04/07/1994	1,1-DICHLOROETHENE	8.4	U	7
KBA-11-16	09/15/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-16	09/15/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-16	04/12/1995	1,1-DICHLOROETHENE	1.0	J	7
KBA-11-16	04/17/1996	1,1-DICHLOROETHENE	2.0		7
KBA-11-16	05/29/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-16	06/13/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-16	07/17/1996	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	09/18/1997	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-16	08/03/1999	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-16	11/09/1999	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-16	02/11/2000	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-16	05/04/2000	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-16	08/03/1999	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-16	11/09/1999	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-16	02/11/2000	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-16	09/15/1994	1,4-DICHLOROBENZENE	10.0	U	75
KBA-11-16	09/15/1994	1,4-DICHLOROBENZENE	10.0	U	75
KBA-11-16	09/15/1994	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-16	09/15/1994	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-16	04/12/1995	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-16	04/12/1995	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-16	04/17/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-16	04/17/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-16	05/29/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-16	05/29/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-16	06/13/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-16	06/13/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-16	09/18/1997	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-16	09/18/1997	1,4-DICHLOROBENZENE	0.0	U	75

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	08/03/1999	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-16	11/09/1999	1,4-DICHLOROBENZENE	1.0	U	
KBA-11-16	02/11/2000	1,4-DICHLOROBENZENE	1.0	U	
KBA-11-16	05/04/2000	1,4-DICHLOROBENZENE	1.0	U	
KBA-11-16	01/07/1994	BENZENE	2.0		5
KBA-11-16	01/07/1994	BENZENE	20.0	UR	5
KBA-11-16	04/07/1994	BENZENE	8.4	U	5
KBA-11-16	09/15/1994	BENZENE	1.0	U	5
KBA-11-16	09/15/1994	BENZENE	1.0	U	5
KBA-11-16	04/12/1995	BENZENE	0.4	J	5
KBA-11-16	04/17/1996	BENZENE	1.0		5
KBA-11-16	05/29/1996	BENZENE	0.0	U	5
KBA-11-16	06/13/1996	BENZENE	0.0	U	5
KBA-11-16	07/17/1996	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
KBA-11-16	03/08/1997	BENZENE	0.0	U	5
KBA-11-16	09/18/1997	BENZENE	0.0	U	5
KBA-11-16	08/03/1999	BENZENE	1.0	U	5
KBA-11-16	11/09/1999	BENZENE	1.0	U	5
KBA-11-16	02/11/2000	BENZENE	1.0	U	5
KBA-11-16	05/04/2000	BENZENE	1.0	U	5
KBA-11-16	01/07/1994	CHLOROBENZENE	1.0	U	1
KBA-11-16	01/07/1994	CHLOROBENZENE	20.0	UR	1
KBA-11-16	04/07/1994	CHLOROBENZENE	8.4	U	1
KBA-11-16	09/15/1994	CHLOROBENZENE	1.0	U	1
KBA-11-16	09/15/1994	CHLOROBENZENE	1.0	U	1
KBA-11-16	04/12/1995	CHLOROBENZENE	0.0	U	1
KBA-11-16	04/17/1996	CHLOROBENZENE	0.0	U	1
KBA-11-16	05/29/1996	CHLOROBENZENE	0.0	U	1
KBA-11-16	06/13/1996	CHLOROBENZENE	0.0	U	1
KBA-11-16	07/17/1996	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	09/18/1997	CHLOROBENZENE	0.0	U	1
KBA-11-16	08/03/1999	CHLOROBENZENE	1.0	U	1
KBA-11-16	11/09/1999	CHLOROBENZENE	1.0	U	1
KBA-11-16	02/11/2000	CHLOROBENZENE	1.0	U	1
KBA-11-16	05/04/2000	CHLOROBENZENE	1.0	U	1
KBA-11-16	01/07/1994	CHLOROETHANE	1.0	U	1
KBA-11-16	01/07/1994	CHLOROETHANE	20.0	UR	1
KBA-11-16	04/07/1994	CHLOROETHANE	17.0	U	1
KBA-11-16	09/15/1994	CHLOROETHANE	1.0	U	1
KBA-11-16	09/15/1994	CHLOROETHANE	1.0	U	1
KBA-11-16	04/12/1995	CHLOROETHANE	0.0	U	1
KBA-11-16	04/17/1996	CHLOROETHANE	0.0	U	1
KBA-11-16	05/29/1996	CHLOROETHANE	2.0		1
KBA-11-16	06/13/1996	CHLOROETHANE	0.0	U	1
KBA-11-16	07/17/1996	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	09/18/1997	CHLOROETHANE	0.0	U	1

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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	08/03/1999	CHLOROETHANE	1.0	U	1
KBA-11-16	11/09/1999	CHLOROETHANE	1.0	U	1
KBA-11-16	02/11/2000	CHLOROETHANE	1.0	U	1
KBA-11-16	05/04/2000	CHLOROETHANE	1.0	U	1
KBA-11-16	01/07/1994	CIS-1,2-DICHLOROETHENE	7.0		70
KBA-11-16	01/07/1994	CIS-1,2-DICHLOROETHENE	20.0	UR	70
KBA-11-16	09/15/1994	CIS-1,2-DICHLOROETHENE	1.0		70
KBA-11-16	09/15/1994	CIS-1,2-DICHLOROETHENE	0.9	J	70
KBA-11-16	04/12/1995	CIS-1,2-DICHLOROETHENE	3.0		70
KBA-11-16	04/17/1996	CIS-1,2-DICHLOROETHENE	6.0		70
KBA-11-16	05/29/1996	CIS-1,2-DICHLOROETHENE	4.0		70
KBA-11-16	06/13/1996	CIS-1,2-DICHLOROETHENE	3.0		70
KBA-11-16	07/17/1996	CIS-1,2-DICHLOROETHENE	5.0	J	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	03/08/1997	CIS-1,2-DICHLOROETHENE	0.0	U	70
KBA-11-16	09/18/1997	CIS-1,2-DICHLOROETHENE	1.0		70
KBA-11-16	11/10/1997	CIS-1,2-DICHLOROETHENE	5.0	U	70
KBA-11-16	08/03/1999	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-16	11/09/1999	CIS-1,2-DICHLOROETHENE	3.6		70
KBA-11-16	02/11/2000	CIS-1,2-DICHLOROETHENE	14.0		70
KBA-11-16	05/04/2000	CIS-1,2-DICHLOROETHENE	2.0		70
KBA-11-16	01/07/1994	ETHYLBENZENE	5.0		700
KBA-11-16	01/07/1994	ETHYLBENZENE	20.0	UR	700
KBA-11-16	04/07/1994	ETHYLBENZENE	8.4	U	700
KBA-11-16	09/15/1994	ETHYLBENZENE	1.0	U	700
KBA-11-16	09/15/1994	ETHYLBENZENE	1.0	U	700
KBA-11-16	04/12/1995	ETHYLBENZENE	0.0	U	700
KBA-11-16	04/17/1996	ETHYLBENZENE	3.0		700
KBA-11-16	05/29/1996	ETHYLBENZENE	0.0	U	700
KBA-11-16	06/13/1996	ETHYLBENZENE	0.0	U	700
KBA-11-16	07/17/1996	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	09/18/1997	ETHYLBENZENE	0.0	U	700
KBA-11-16	08/03/1999	ETHYLBENZENE	1.0	U	700
KBA-11-16	11/09/1999	ETHYLBENZENE	1.0	U	700
KBA-11-16	02/11/2000	ETHYLBENZENE	1.0	U	700
KBA-11-16	05/04/2000	ETHYLBENZENE	1.0	U	700
KBA-11-16	01/07/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-16	01/07/1994	TETRACHLOROETHENE	20.0	UR	5
KBA-11-16	04/07/1994	TETRACHLOROETHENE	8.4	U	5
KBA-11-16	09/15/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-16	09/15/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-16	04/12/1995	TETRACHLOROETHENE	0.0	U	5
KBA-11-16	04/17/1996	TETRACHLOROETHENE	0.0	U	5
KBA-11-16	05/29/1996	TETRACHLOROETHENE	0.0	U	5
KBA-11-16	06/13/1996	TETRACHLOROETHENE	0.0	U	5
KBA-11-16	07/17/1996	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	03/08/1997	TETRACHLOROETHENE	0.0	U	5

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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	09/18/1997	TETRACHLOROETHENE	0.0	U	5
KBA-11-16	11/10/1997	TETRACHLOROETHENE	5.0	U	5
KBA-11-16	08/03/1999	TETRACHLOROETHENE	3.0	U	5
KBA-11-16	11/09/1999	TETRACHLOROETHENE	3.0	U	5
KBA-11-16	02/11/2000	TETRACHLOROETHENE	1.0	U	5
KBA-11-16	05/04/2000	TETRACHLOROETHENE	1.0	U	5
KBA-11-16	01/07/1994	TOLUENE	32.0	R	1000
KBA-11-16	01/07/1994	TOLUENE	23.0		1000
KBA-11-16	04/07/1994	TOLUENE	24.0		1000
KBA-11-16	09/15/1994	TOLUENE	1.0	U	1000
KBA-11-16	09/15/1994	TOLUENE	1.0	U	1000
KBA-11-16	04/12/1995	TOLUENE	2.0		1000
KBA-11-16	04/17/1996	TOLUENE	37.0		1000
KBA-11-16	05/29/1996	TOLUENE	3.0		1000
KBA-11-16	06/13/1996	TOLUENE	0.0	U	1000
KBA-11-16	07/17/1996	TOLUENE	3.0	J	1000
KBA-11-16	10/22/1996	TOLUENE	1.2		1000
KBA-11-16	10/22/1996	TOLUENE	1.6		1000
KBA-11-16	09/18/1997	TOLUENE	0.0	U	1000
KBA-11-16	08/03/1999	TOLUENE	1.0	U	1000
KBA-11-16	11/09/1999	TOLUENE	1.0	U	1000
KBA-11-16	02/11/2000	TOLUENE	1.0	U	1000
KBA-11-16	05/04/2000	TOLUENE	1.0	U	1000
KBA-11-16	01/07/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-16	01/07/1994	TRANS-1,2-DICHLOROETHENE	20.0	UR	100
KBA-11-16	09/15/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-16	09/15/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-16	04/12/1995	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-16	04/17/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-16	05/29/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-16	06/13/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-16	07/17/1996	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	10/22/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-16	09/18/1997	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-16	08/03/1999	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-16	11/09/1999	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-16	02/11/2000	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-16	05/04/2000	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-16	01/07/1994	TRICHLOROETHENE	0.6	J	5
KBA-11-16	01/07/1994	TRICHLOROETHENE	20.0	UR	5
KBA-11-16	04/07/1994	TRICHLOROETHENE	8.4	U	5
KBA-11-16	09/15/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-16	09/15/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-16	04/12/1995	TRICHLOROETHENE	0.1	J	5
KBA-11-16	04/17/1996	TRICHLOROETHENE	0.0	U	5
KBA-11-16	05/29/1996	TRICHLOROETHENE	0.0	U	5
KBA-11-16	06/13/1996	TRICHLOROETHENE	0.0	U	5
KBA-11-16	07/17/1996	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	03/08/1997	TRICHLOROETHENE	0.0	U	5

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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	09/18/1997	TRICHLOROETHENE	0.0	U	5
KBA-11-16	11/10/1997	TRICHLOROETHENE	5.0	U	5
KBA-11-16	08/03/1999	TRICHLOROETHENE	1.0	U	5
KBA-11-16	11/09/1999	TRICHLOROETHENE	1.0	U	2
KBA-11-16	02/11/2000	TRICHLOROETHENE	1.0	U	2
KBA-11-16	05/04/2000	TRICHLOROETHENE	1.0	U	2
KBA-11-16	01/07/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-16	01/07/1994	VINYL CHLORIDE	20.0	UR	2
KBA-11-16	04/07/1994	VINYL CHLORIDE	17.0	U	2
KBA-11-16	09/15/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-16	09/15/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-16	04/12/1995	VINYL CHLORIDE	0.3	J	2
KBA-11-16	04/17/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-16	05/29/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-16	06/13/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-16	07/17/1996	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	03/08/1997	VINYL CHLORIDE	0.0	U	2
KBA-11-16	09/18/1997	VINYL CHLORIDE	0.0	U	2
KBA-11-16	11/10/1997	VINYL CHLORIDE	2.0	U	2
KBA-11-16	08/03/1999	VINYL CHLORIDE	1.0	U	2
KBA-11-16	11/09/1999	VINYL CHLORIDE	1.4	I	2
KBA-11-16	02/11/2000	VINYL CHLORIDE	1.0		2
KBA-11-16	05/04/2000	VINYL CHLORIDE	1.0	U	2
KBA-11-16	01/07/1994	XYLENES, TOTAL	12.0		10000
KBA-11-16	01/07/1994	XYLENES, TOTAL	6.0	R	10000
KBA-11-16	04/07/1994	XYLENES, TOTAL	5.4	J	10000
KBA-11-16	09/15/1994	XYLENES, TOTAL	1.0	U	10000
KBA-11-16	09/15/1994	XYLENES, TOTAL	1.0	U	10000
KBA-11-16	04/12/1995	XYLENES, TOTAL	0.0	U	10000
KBA-11-16	04/17/1996	XYLENES, TOTAL	4.0		10000
KBA-11-16	07/17/1996	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	09/18/1997	XYLENES, TOTAL	0.0	U	10000
KBA-11-16	08/03/1999	XYLENES, TOTAL	3.0	U	10000
KBA-11-16	11/09/1999	XYLENES, TOTAL	3.0	U	10000
KBA-11-16	02/11/2000	XYLENES, TOTAL	3.0	U	10000
KBA-11-16	05/04/2000	XYLENES, TOTAL	3.0	U	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	01/07/1994	1,1-DICHLOROETHANE	1.0		1
KBA-11-17B	01/07/1994	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-17B	04/07/1994	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-17B	09/15/1994	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-17B	04/12/1995	1,1-DICHLOROETHANE	0.4	J	1
KBA-11-17B	04/17/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-17B	04/17/1996	1,1-DICHLOROETHANE	0.0	U	1
KBA-11-17B	08/03/1999	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-17B	02/11/2000	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-17B	01/07/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-17B	01/07/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-17B	04/07/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-17B	09/15/1994	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-17B	04/12/1995	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-17B	04/17/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-17B	04/17/1996	1,1-DICHLOROETHENE	0.0	U	7
KBA-11-17B	08/03/1999	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-17B	02/11/2000	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-17B	08/03/1999	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-17B	02/11/2000	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-17B	09/15/1994	1,4-DICHLOROBENZENE	10.0	U	75
KBA-11-17B	09/15/1994	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-17B	04/12/1995	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-17B	04/12/1995	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-17B	04/17/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-17B	04/17/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-17B	04/17/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-17B	04/17/1996	1,4-DICHLOROBENZENE	0.0	U	75
KBA-11-17B	08/03/1999	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-17B	02/11/2000	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-17B	01/07/1994	BENZENE	0.5	J	5
KBA-11-17B	01/07/1994	BENZENE	1.0	U	5
KBA-11-17B	04/07/1994	BENZENE	1.0	U	5
KBA-11-17B	09/15/1994	BENZENE	1.0	U	5
KBA-11-17B	04/12/1995	BENZENE	0.6	J	5
KBA-11-17B	04/17/1996	BENZENE	0.0	U	5
KBA-11-17B	04/17/1996	BENZENE	0.0	U	5
KBA-11-17B	08/03/1999	BENZENE	1.0	U	5
KBA-11-17B	02/11/2000	BENZENE	1.0	U	5
KBA-11-17B	01/07/1994	CHLOROBENZENE	1.0	U	1
KBA-11-17B	01/07/1994	CHLOROBENZENE	1.0	U	1
KBA-11-17B	04/07/1994	CHLOROBENZENE	1.0	U	1
KBA-11-17B	09/15/1994	CHLOROBENZENE	1.0	U	1
KBA-11-17B	04/12/1995	CHLOROBENZENE	0.0	U	1
KBA-11-17B	04/17/1996	CHLOROBENZENE	0.0	U	1
KBA-11-17B	04/17/1996	CHLOROBENZENE	0.0	U	1
KBA-11-17B	08/03/1999	CHLOROBENZENE	1.0	U	1
KBA-11-17B	02/11/2000	CHLOROBENZENE	1.0	U	1
KBA-11-17B	01/07/1994	CHLOROETHANE	1.0	U	1
KBA-11-17B	01/07/1994	CHLOROETHANE	1.0	U	1
KBA-11-17B	04/07/1994	CHLOROETHANE	1.0	U	1
KBA-11-17B	09/15/1994	CHLOROETHANE	1.0	U	1
KBA-11-17B	04/12/1995	CHLOROETHANE	0.0	U	1

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	04/17/1996	CHLOROETHANE	0.0	U	1
KBA-11-17B	04/17/1996	CHLOROETHANE	0.0	U	1
KBA-11-17B	08/03/1999	CHLOROETHANE	1.0	U	1
KBA-11-17B	02/11/2000	CHLOROETHANE	1.0	U	1
KBA-11-17B	01/07/1994	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-17B	01/07/1994	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-17B	04/07/1994	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-17B	09/15/1994	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-17B	04/12/1995	CIS-1,2-DICHLOROETHENE	0.4	J	70
KBA-11-17B	04/17/1996	CIS-1,2-DICHLOROETHENE	0.0	U	70
KBA-11-17B	04/17/1996	CIS-1,2-DICHLOROETHENE	0.0	U	70
KBA-11-17B	11/10/1997	CIS-1,2-DICHLOROETHENE	5.0	U	70
KBA-11-17B	08/03/1999	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-17B	02/11/2000	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-17B	01/07/1994	ETHYLBENZENE	1.0	U	700
KBA-11-17B	01/07/1994	ETHYLBENZENE	1.0	U	700
KBA-11-17B	04/07/1994	ETHYLBENZENE	1.0	U	700
KBA-11-17B	09/15/1994	ETHYLBENZENE	1.0	U	700
KBA-11-17B	04/12/1995	ETHYLBENZENE	0.0	U	700
KBA-11-17B	04/17/1996	ETHYLBENZENE	0.0	U	700
KBA-11-17B	04/17/1996	ETHYLBENZENE	0.0	U	700
KBA-11-17B	08/03/1999	ETHYLBENZENE	1.0	U	700
KBA-11-17B	02/11/2000	ETHYLBENZENE	1.0	U	700
KBA-11-17B	01/07/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-17B	01/07/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-17B	04/07/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-17B	09/15/1994	TETRACHLOROETHENE	1.0	U	5
KBA-11-17B	04/12/1995	TETRACHLOROETHENE	0.0	U	5
KBA-11-17B	04/17/1996	TETRACHLOROETHENE	0.0	U	5
KBA-11-17B	04/17/1996	TETRACHLOROETHENE	0.0	U	5
KBA-11-17B	11/10/1997	TETRACHLOROETHENE	5.0	U	5
KBA-11-17B	08/03/1999	TETRACHLOROETHENE	3.0	U	5
KBA-11-17B	02/11/2000	TETRACHLOROETHENE	1.0	U	5
KBA-11-17B	01/07/1994	TOLUENE	1.0	U	1000
KBA-11-17B	01/07/1994	TOLUENE	1.0	U	1000
KBA-11-17B	04/07/1994	TOLUENE	1.0	U	1000
KBA-11-17B	09/15/1994	TOLUENE	1.0	U	1000
KBA-11-17B	04/12/1995	TOLUENE	0.0	U	1000
KBA-11-17B	04/17/1996	TOLUENE	0.0	U	1000
KBA-11-17B	04/17/1996	TOLUENE	0.0	U	1000
KBA-11-17B	08/03/1999	TOLUENE	1.0	U	1000
KBA-11-17B	02/11/2000	TOLUENE	1.0	U	1000
KBA-11-17B	01/07/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-17B	01/07/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-17B	04/07/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-17B	09/15/1994	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-17B	04/12/1995	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-17B	04/17/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-17B	04/17/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
KBA-11-17B	08/03/1999	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-17B	02/11/2000	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-17B	01/07/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-17B	01/07/1994	TRICHLOROETHENE	1.0	U	5

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	04/07/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-17B	09/15/1994	TRICHLOROETHENE	1.0	U	5
KBA-11-17B	04/12/1995	TRICHLOROETHENE	0.0	U	5
KBA-11-17B	04/17/1996	TRICHLOROETHENE	0.0	U	5
KBA-11-17B	04/17/1996	TRICHLOROETHENE	0.0	U	5
KBA-11-17B	11/10/1997	TRICHLOROETHENE	5.0	U	5
KBA-11-17B	08/03/1999	TRICHLOROETHENE	1.0	U	5
KBA-11-17B	02/11/2000	TRICHLOROETHENE	1.0	U	5
KBA-11-17B	01/07/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-17B	01/07/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-17B	04/07/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-17B	09/15/1994	VINYL CHLORIDE	1.0	U	2
KBA-11-17B	04/12/1995	VINYL CHLORIDE	0.0	U	2
KBA-11-17B	04/17/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-17B	04/17/1996	VINYL CHLORIDE	0.0	U	2
KBA-11-17B	11/10/1997	VINYL CHLORIDE	2.0	U	2
KBA-11-17B	08/03/1999	VINYL CHLORIDE	1.0	U	2
KBA-11-17B	02/11/2000	VINYL CHLORIDE	1.0	U	2
KBA-11-17B	01/07/1994	XYLENES, TOTAL	1.0	U	10000
KBA-11-17B	01/07/1994	XYLENES, TOTAL	1.0	U	10000
KBA-11-17B	04/07/1994	XYLENES, TOTAL	1.0	U	10000
KBA-11-17B	09/15/1994	XYLENES, TOTAL	1.0	U	10000
KBA-11-17B	04/12/1995	XYLENES, TOTAL	0.0	U	10000
KBA-11-17B	04/17/1996	XYLENES, TOTAL	0.0	U	10000
KBA-11-17B	04/17/1996	XYLENES, TOTAL	0.0	U	10000
KBA-11-17B	08/03/1999	XYLENES, TOTAL	3.0	U	10000
KBA-11-17B	02/11/2000	XYLENES, TOTAL	3.0	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	08/02/1999	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-34	11/09/1999	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-34	02/11/2000	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-34	08/02/1999	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-34	11/09/1999	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-34	02/11/2000	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-34	08/02/1999	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-34	11/09/1999	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-34	02/11/2000	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-34	05/04/2000	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-34	08/02/1999	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-34	11/09/1999	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-34	02/11/2000	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-34	05/04/2000	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-34	08/02/1999	BENZENE	1.0	U	5
KBA-11-34	11/09/1999	BENZENE	1.0	U	5
KBA-11-34	02/11/2000	BENZENE	1.0	U	5
KBA-11-34	05/04/2000	BENZENE	1.0	U	5
KBA-11-34	08/02/1999	CHLOROBENZENE	1.0	U	1
KBA-11-34	11/09/1999	CHLOROBENZENE	1.0	U	1
KBA-11-34	02/11/2000	CHLOROBENZENE	1.0	U	1
KBA-11-34	05/04/2000	CHLOROBENZENE	1.0	U	1
KBA-11-34	08/02/1999	CHLOROETHANE	1.0	U	1
KBA-11-34	11/09/1999	CHLOROETHANE	1.0	U	1
KBA-11-34	02/11/2000	CHLOROETHANE	1.0	U	1
KBA-11-34	05/04/2000	CHLOROETHANE	1.0	U	1
KBA-11-34	09/17/1998	CIS-1,2-DICHLOROETHENE	8.0		70
KBA-11-34	10/30/1998	CIS-1,2-DICHLOROETHENE	24.0		70
KBA-11-34	11/13/1998	CIS-1,2-DICHLOROETHENE	5.0	U	70
KBA-11-34	11/24/1998	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-34	12/22/1998	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-34	01/27/1999	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-34	02/18/1999	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-34	03/15/1999	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-34	05/20/1999	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-34	06/22/1999	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-34	07/26/1999	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-34	08/02/1999	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-34	08/16/1999	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-34	11/09/1999	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-34	02/11/2000	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-34	05/04/2000	CIS-1,2-DICHLOROETHENE	1.0	U	70
KBA-11-34	08/02/1999	ETHYLBENZENE	1.0	U	700
KBA-11-34	11/09/1999	ETHYLBENZENE	1.0	U	700
KBA-11-34	02/11/2000	ETHYLBENZENE	1.0	U	700
KBA-11-34	05/04/2000	ETHYLBENZENE	1.0	U	700
KBA-11-34	**09/17/1998**	**TETRACHLOROETHENE**	**3200.0**		**5**
KBA-11-34	**10/30/1998**	**TETRACHLOROETHENE**	**8500.0**		**5**
KBA-11-34	**11/13/1998**	**TETRACHLOROETHENE**	**180.0**		**5**
KBA-11-34	**11/24/1998**	**TETRACHLOROETHENE**	**200.0**		**5**
KBA-11-34	**12/22/1998**	**TETRACHLOROETHENE**	**87.0**		**5**
KBA-11-34	**01/27/1999**	**TETRACHLOROETHENE**	**83.0**		**5**

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

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	**02/18/1999**	**TETRACHLOROETHENE**	**9.0**		**5**
KBA-11-34	**03/15/1999**	**TETRACHLOROETHENE**	**62.0**		**5**
KBA-11-34	**05/20/1999**	**TETRACHLOROETHENE**	**83.0**		**5**
KBA-11-34	**06/22/1999**	**TETRACHLOROETHENE**	**10.0**		**5**
KBA-11-34	**07/26/1999**	**TETRACHLOROETHENE**	**24.0**		**5**
KBA-11-34	**08/02/1999**	**TETRACHLOROETHENE**	**17.0**		**5**
KBA-11-34	**08/16/1999**	**TETRACHLOROETHENE**	**16.0**		**5**
KBA-11-34	**11/09/1999**	**TETRACHLOROETHENE**	**22.0**		**5**
KBA-11-34	**02/11/2000**	**TETRACHLOROETHENE**	**83.0**		**5**
KBA-11-34	**05/04/2000**	**TETRACHLOROETHENE**	**89.0**		**5**
KBA-11-34	08/02/1999	TOLUENE	1.0	U	1000
KBA-11-34	11/09/1999	TOLUENE	1.0	U	1000
KBA-11-34	02/11/2000	TOLUENE	1.0	U	1000
KBA-11-34	05/04/2000	TOLUENE	1.0	U	1000
KBA-11-34	08/02/1999	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-34	11/09/1999	TRANS-1,2-DICHLOROETHENE	1.0		100
KBA-11-34	02/11/2000	TRANS-1,2-DICHLOROETHENE	1.0		100
KBA-11-34	05/04/2000	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-34	**09/17/1998**	**TRICHLOROETHENE**	**350.0**		**5**
KBA-11-34	**10/30/1998**	**TRICHLOROETHENE**	**550.0**		**5**
KBA-11-34	**11/13/1998**	**TRICHLOROETHENE**	**30.0**		**5**
KBA-11-34	**11/24/1998**	**TRICHLOROETHENE**	**19.0**		**5**
KBA-11-34	**12/22/1998**	**TRICHLOROETHENE**	**6.0**		**5**
KBA-11-34	**01/27/1999**	**TRICHLOROETHENE**	**7.0**		**5**
KBA-11-34	02/18/1999	TRICHLOROETHENE	1.0	U	5
KBA-11-34	03/15/1999	TRICHLOROETHENE	3.0		5
KBA-11-34	05/20/1999	TRICHLOROETHENE	3.0		5
KBA-11-34	06/22/1999	TRICHLOROETHENE	1.0	U	5
KBA-11-34	07/26/1999	TRICHLOROETHENE	1.0	U	5
KBA-11-34	08/02/1999	TRICHLOROETHENE	1.0	I	5
KBA-11-34	08/16/1999	TRICHLOROETHENE	1.0	U	5
KBA-11-34	11/09/1999	TRICHLOROETHENE	1.0	U	5
KBA-11-34	02/11/2000	TRICHLOROETHENE	2.0		5
KBA-11-34	05/04/2000	TRICHLOROETHENE	1.0		5
KBA-11-34	09/17/1998	VINYL CHLORIDE	1.0	U	2
KBA-11-34	10/30/1998	VINYL CHLORIDE	1.0	U	2
KBA-11-34	11/13/1998	VINYL CHLORIDE	5.0	U	2
KBA-11-34	11/24/1998	VINYL CHLORIDE	1.0	U	2
KBA-11-34	12/22/1998	VINYL CHLORIDE	1.0	U	2
KBA-11-34	01/27/1999	VINYL CHLORIDE	1.0	U	2
KBA-11-34	02/18/1999	VINYL CHLORIDE	1.0	U	2
KBA-11-34	03/15/1999	VINYL CHLORIDE	1.0	U	2
KBA-11-34	05/20/1999	VINYL CHLORIDE	5.0	U	2
KBA-11-34	06/22/1999	VINYL CHLORIDE	1.0	U	2
KBA-11-34	07/26/1999	VINYL CHLORIDE	1.0	U	2
KBA-11-34	08/02/1999	VINYL CHLORIDE	1.0	U	2
KBA-11-34	08/16/1999	VINYL CHLORIDE	1.0	U	2
KBA-11-34	11/09/1999	VINYL CHLORIDE	1.0	U	2
KBA-11-34	02/11/2000	VINYL CHLORIDE	1.0	U	2
KBA-11-34	05/04/2000	VINYL CHLORIDE	1.0	U	2
KBA-11-34	08/02/1999	XYLENES, TOTAL	3.0	U	10000

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

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

LOCATION	SAMPLE DATE	PARAMETER	RESULT (ug/L)	Q	CRITERIA (ug/L)
KBA-11-34	11/09/1999	XYLENES, TOTAL	3.0	U	10000
KBA-11-34	02/11/2000	XYLENES, TOTAL	3.0	U	10000
KBA-11-34	05/04/2000	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	08/16/1999	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-37	11/09/1999	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-37	02/11/2000	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-37	05/04/2000	1,1-DICHLOROETHANE	1.0	U	1
KBA-11-37	08/16/1999	1,1-DICHLOROETHENE	1.0	U	7
KBA-11-37	11/09/1999	1,1-DICHLOROETHENE	1.0	U	1
KBA-11-37	02/11/2000	1,1-DICHLOROETHENE	1.0	U	1
KBA-11-37	08/16/1999	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-37	11/09/1999	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-37	02/11/2000	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-37	05/04/2000	1,2-DICHLOROETHANE	1.0	U	5
KBA-11-37	08/16/1999	1,4-DICHLOROBENZENE	1.0	U	75
KBA-11-37	11/09/1999	1,4-DICHLOROBENZENE	4.7		75
KBA-11-37	02/11/2000	1,4-DICHLOROBENZENE	3.0		75
KBA-11-37	05/04/2000	1,4-DICHLOROBENZENE	3.0		75
KBA-11-37	08/16/1999	BENZENE	2.1		5
KBA-11-37	11/09/1999	BENZENE	2.0		5
KBA-11-37	02/11/2000	BENZENE	2.0		5
KBA-11-37	05/04/2000	BENZENE	2.0		5
KBA-11-37	**08/16/1999**	**CHLOROBENZENE**	**2.9**		**1**
KBA-11-37	**11/09/1999**	**CHLOROBENZENE**	**3.1**		**1**
KBA-11-37	**02/11/2000**	**CHLOROBENZENE**	**2.0**		**1**
KBA-11-37	**05/04/2000**	**CHLOROBENZENE**	**3.0**		**1**
KBA-11-37	08/16/1999	CHLOROETHANE	1.0	U	1
KBA-11-37	11/09/1999	CHLOROETHANE	1.0	U	1
KBA-11-37	02/11/2000	CHLOROETHANE	1.0	U	1
KBA-11-37	05/04/2000	CHLOROETHANE	1.0	U	1
KBA-11-37	08/16/1999	CIS-1,2-DICHLOROETHENE	24.0		70
KBA-11-37	11/09/1999	CIS-1,2-DICHLOROETHENE	17.0		70
KBA-11-37	02/11/2000	CIS-1,2-DICHLOROETHENE	16.0		70
KBA-11-37	05/04/2000	CIS-1,2-DICHLOROETHENE	17.0		70
KBA-11-37	08/16/1999	ETHYLBENZENE	15.0		700
KBA-11-37	11/09/1999	ETHYLBENZENE	14.0	U	700
KBA-11-37	02/11/2000	ETHYLBENZENE	9.0		700
KBA-11-37	05/04/2000	ETHYLBENZENE	1.0	U	700
KBA-11-37	08/16/1999	TETRACHLOROETHENE	3.0	U	5
KBA-11-37	11/09/1999	TETRACHLOROETHENE	3.0	U	5
KBA-11-37	02/11/2000	TETRACHLOROETHENE	1.0	U	5
KBA-11-37	05/04/2000	TETRACHLOROETHENE	1.0	U	5
KBA-11-37	08/16/1999	TOLUENE	1.0	U	1000
KBA-11-37	11/09/1999	TOLUENE	1.0	U	1000
KBA-11-37	02/11/2000	TOLUENE	1.0		1000
KBA-11-37	05/04/2000	TOLUENE	1.0	U	1000
KBA-11-37	08/16/1999	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-37	11/09/1999	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-37	02/11/2000	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-37	05/04/2000	TRANS-1,2-DICHLOROETHENE	1.0	U	100
KBA-11-37	08/16/1999	TRICHLOROETHENE	1.0	U	5
KBA-11-37	11/09/1999	TRICHLOROETHENE	1.0	U	5
KBA-11-37	02/11/2000	TRICHLOROETHENE	1.0	U	5
KBA-11-37	05/04/2000	TRICHLOROETHENE	1.0	U	5
KBA-11-37	**08/16/1999**	**VINYL CHLORIDE**	**2.5**	**I**	**2**
KBA-11-37	11/09/1999	VINYL CHLORIDE	1.4	I	2

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
KBA-11-37, Site 11 NSB Kings Bay

LOCATION	SAMPLE DATE	PARAMETER	RESULT (ug/L)	Q	CRITERIA (ug/L)
KBA-11-37	02/11/2000	VINYL CHLORIDE	1.0	U	2
KBA-11-37	05/04/2000	VINYL CHLORIDE	1.0	U	2
KBA-11-37	08/16/1999	XYLENES, TOTAL	3.0	U	10000
KBA-11-37	11/09/1999	XYLENES, TOTAL	3.0	U	10000
KBA-11-37	02/11/2000	XYLENES, TOTAL	3.0	U	10000
KBA-11-37	05/04/2000	XYLENES, TOTAL	12.0	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	**04/18/1996**	**1,1-DICHLOROETHANE**	**16.0**		**1**
PS-2	**05/29/1996**	**1,1-DICHLOROETHANE**	**10.0**		**1**
PS-2	**05/31/1996**	**1,1-DICHLOROETHANE**	**11.0**		**1**
PS-2	**06/05/1996**	**1,1-DICHLOROETHANE**	**11.0**		**1**
PS-2	**06/06/1996**	**1,1-DICHLOROETHANE**	**11.0**		**1**
PS-2	06/08/1996	1,1-DICHLOROETHANE	0.0	U	1
PS-2	06/13/1996	1,1-DICHLOROETHANE	0.0	U	1
PS-2	06/28/1996	1,1-DICHLOROETHANE	0.0	U	1
PS-2	**07/17/1996**	**1,1-DICHLOROETHANE**	**13.0**	**J**	**1**
PS-2	10/24/1996	1,1-DICHLOROETHANE	0.0	U	1
PS-2	**03/08/1997**	**1,1-DICHLOROETHANE**	**10.0**		**1**
PS-2	**09/16/1997**	**1,1-DICHLOROETHANE**	**8.0**	**J**	**1**
PS-2	**08/17/1999**	**1,1-DICHLOROETHANE**	**5.6**		**1**
PS-2	**11/09/1999**	**1,1-DICHLOROETHANE**	**5.1**		**1**
PS-2	**02/11/2000**	**1,1-DICHLOROETHANE**	**5.0**		**1**
PS-2	**05/04/2000**	**1,1-DICHLOROETHANE**	**5.0**		**1**
PS-2	04/18/1996	1,1-DICHLOROETHENE	0.0	U	7
PS-2	05/29/1996	1,1-DICHLOROETHENE	0.0	U	7
PS-2	05/31/1996	1,1-DICHLOROETHENE	0.0	U	7
PS-2	06/05/1996	1,1-DICHLOROETHENE	0.0	U	7
PS-2	06/06/1996	1,1-DICHLOROETHENE	0.0	U	7
PS-2	06/08/1996	1,1-DICHLOROETHENE	0.0	U	7
PS-2	06/13/1996	1,1-DICHLOROETHENE	0.0	U	7
PS-2	06/28/1996	1,1-DICHLOROETHENE	0.0	U	7
PS-2	07/17/1996	1,1-DICHLOROETHENE	0.0	U	7
PS-2	10/24/1996	1,1-DICHLOROETHENE	0.0	U	7
PS-2	09/16/1997	1,1-DICHLOROETHENE	0.0	U	7
PS-2	08/17/1999	1,1-DICHLOROETHENE	1.0		7
PS-2	11/09/1999	1,1-DICHLOROETHENE	1.0	U	7
PS-2	02/11/2000	1,1-DICHLOROETHENE	1.0	U	7
PS-2	05/04/2000	1,1-DICHLOROETHENE	1.0	U	7
PS-2	08/17/1999	1,2-DICHLOROETHANE	1.0	U	5
PS-2	11/09/1999	1,2-DICHLOROETHANE	1.0	U	5
PS-2	02/11/2000	1,2-DICHLOROETHANE	1.0	U	5
PS-2	05/04/2000	1,2-DICHLOROETHANE	1.0	U	5
PS-2	04/18/1996	1,4-DICHLOROBENZENE	0.0		75
PS-2	04/18/1996	1,4-DICHLOROBENZENE	0.0	U	75
PS-2	05/29/1996	1,4-DICHLOROBENZENE	0.0	U	75
PS-2	05/29/1996	1,4-DICHLOROBENZENE	0.0	U	75
PS-2	05/31/1996	1,4-DICHLOROBENZENE	0.0	U	75
PS-2	05/31/1996	1,4-DICHLOROBENZENE	0.0	U	75
PS-2	06/05/1996	1,4-DICHLOROBENZENE	0.0	U	75
PS-2	06/05/1996	1,4-DICHLOROBENZENE	0.0	U	75
PS-2	06/06/1996	1,4-DICHLOROBENZENE	0.0	U	75
PS-2	06/06/1996	1,4-DICHLOROBENZENE	0.0	U	75
PS-2	06/08/1996	1,4-DICHLOROBENZENE	0.0	U	75
PS-2	06/08/1996	1,4-DICHLOROBENZENE	0.0	U	75
PS-2	06/13/1996	1,4-DICHLOROBENZENE	0.0	U	75
PS-2	06/13/1996	1,4-DICHLOROBENZENE	0.0	U	75
PS-2	06/28/1996	1,4-DICHLOROBENZENE	0.0	U	75
PS-2	06/28/1996	1,4-DICHLOROBENZENE	0.0	U	75
PS-2	08/17/1999	1,4-DICHLOROBENZENE	1.0	U	75
PS-2	11/09/1999	1,4-DICHLOROBENZENE	1.0	U	75

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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	02/11/2000	1,4-DICHLOROBENZENE	1.0	U	75
PS-2	05/04/2000	1,4-DICHLOROBENZENE	1.0	U	75
PS-2	04/18/1996	BENZENE	1.0		5
PS-2	05/29/1996	BENZENE	2.0		5
PS-2	05/31/1996	BENZENE	0.0	U	5
PS-2	06/05/1996	BENZENE	0.0	U	5
PS-2	06/06/1996	BENZENE	0.0	U	5
PS-2	06/08/1996	BENZENE	0.0	U	5
PS-2	06/13/1996	BENZENE	0.0	U	5
PS-2	06/28/1996	BENZENE	0.0	U	5
PS-2	07/17/1996	BENZENE	4.0	J	5
PS-2	10/24/1996	BENZENE	0.0	U	5
PS-2	**03/08/1997**	**BENZENE**	**5.9**		**5**
PS-2	**09/16/1997**	**BENZENE**	**10.0**		**5**
PS-2	**08/17/1999**	**BENZENE**	**9.1**		**5**
PS-2	**11/09/1999**	**BENZENE**	**9.4**		**5**
PS-2	**02/11/2000**	**BENZENE**	**8.0**		**5**
PS-2	**05/04/2000**	**BENZENE**	**8.0**		**5**
PS-2	04/18/1996	CHLOROBENZENE	0.0	U	1
PS-2	05/29/1996	CHLOROBENZENE	0.0	U	1
PS-2	05/31/1996	CHLOROBENZENE	0.0	U	1
PS-2	06/05/1996	CHLOROBENZENE	0.0	U	1
PS-2	06/06/1996	CHLOROBENZENE	0.0	U	1
PS-2	06/08/1996	CHLOROBENZENE	0.0	U	1
PS-2	06/13/1996	CHLOROBENZENE	0.0	U	1
PS-2	06/28/1996	CHLOROBENZENE	0.0	U	1
PS-2	07/17/1996	CHLOROBENZENE	0.0	U	1
PS-2	10/24/1996	CHLOROBENZENE	0.0	U	1
PS-2	09/16/1997	CHLOROBENZENE	0.0	U	1
PS-2	08/17/1999	CHLOROBENZENE	1.0	U	1
PS-2	11/09/1999	CHLOROBENZENE	1.0	U	1
PS-2	02/11/2000	CHLOROBENZENE	1.0	U	1
PS-2	05/04/2000	CHLOROBENZENE	0.7		1
PS-2	04/18/1996	CHLOROETHANE	0.0	U	1
PS-2	05/29/1996	CHLOROETHANE	0.0	U	1
PS-2	05/31/1996	CHLOROETHANE	0.0	U	1
PS-2	06/05/1996	CHLOROETHANE	0.0	U	1
PS-2	06/06/1996	CHLOROETHANE	0.0	U	1
PS-2	06/08/1996	CHLOROETHANE	0.0	U	1
PS-2	06/13/1996	CHLOROETHANE	0.0	U	1
PS-2	06/28/1996	CHLOROETHANE	0.0	U	1
PS-2	07/17/1996	CHLOROETHANE	0.0	U	1
PS-2	10/24/1996	CHLOROETHANE	0.0	U	1
PS-2	09/16/1997	CHLOROETHANE	0.0	U	1
PS-2	08/17/1999	CHLOROETHANE	1.0	U	1
PS-2	11/09/1999	CHLOROETHANE	1.0	U	1
PS-2	02/11/2000	CHLOROETHANE	1.0	U	1
PS-2	05/04/2000	CHLOROETHANE	1.0	U	1
PS-2	**04/18/1996**	**CIS-1,2-DICHLOROETHENE**	**320.0**		**70**
PS-2	**05/29/1996**	**CIS-1,2-DICHLOROETHENE**	**210.0**		**70**
PS-2	**05/31/1996**	**CIS-1,2-DICHLOROETHENE**	**160.0**		**70**
PS-2	**06/05/1996**	**CIS-1,2-DICHLOROETHENE**	**160.0**		**70**
PS-2	**06/06/1996**	**CIS-1,2-DICHLOROETHENE**	**170.0**		**70**

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

LOCATION	SAMPLE DATE	PARAMETER	RESULT	Q	CRITERIA (ug/L)
PS-2	**06/08/1996**	**CIS-1,2-DICHLOROETHENE**	**75.0**		**70**
PS-2	**06/13/1996**	**CIS-1,2-DICHLOROETHENE**	**140.0**		**70**
PS-2	**06/28/1996**	**CIS-1,2-DICHLOROETHENE**	**210.0**		**70**
PS-2	**07/17/1996**	**CIS-1,2-DICHLOROETHENE**	**200.0**		**70**
PS-2	10/24/1996	CIS-1,2-DICHLOROETHENE	15.0		70
PS-2	**03/08/1997**	**CIS-1,2-DICHLOROETHENE**	**110.0**		**70**
PS-2	09/16/1997	CIS-1,2-DICHLOROETHENE	41.0		70
PS-2	08/17/1999	CIS-1,2-DICHLOROETHENE	41.0		70
PS-2	11/09/1999	CIS-1,2-DICHLOROETHENE	40.0		70
PS-2	02/11/2000	CIS-1,2-DICHLOROETHENE	52.0		70
PS-2	05/04/2000	CIS-1,2-DICHLOROETHENE	57.0		70
PS-2	04/18/1996	ETHYLBENZENE	2.0		700
PS-2	05/29/1996	ETHYLBENZENE	3.0		700
PS-2	05/31/1996	ETHYLBENZENE	0.0	U	700
PS-2	06/05/1996	ETHYLBENZENE	0.0	U	700
PS-2	06/06/1996	ETHYLBENZENE	0.0	U	700
PS-2	06/08/1996	ETHYLBENZENE	24.0		700
PS-2	06/13/1996	ETHYLBENZENE	0.0	U	700
PS-2	06/28/1996	ETHYLBENZENE	0.0	U	700
PS-2	07/17/1996	ETHYLBENZENE	3.0	J	700
PS-2	10/24/1996	ETHYLBENZENE	0.0	U	700
PS-2	09/16/1997	ETHYLBENZENE	7.0	J	700
PS-2	08/17/1999	ETHYLBENZENE	10.0		700
PS-2	11/09/1999	ETHYLBENZENE	16.0		700
PS-2	02/11/2000	ETHYLBENZENE	14.0		700
PS-2	05/04/2000	ETHYLBENZENE	16.0		700
PS-2	04/18/1996	TETRACHLOROETHENE	0.0	U	5
PS-2	05/29/1996	TETRACHLOROETHENE	0.0	U	5
PS-2	05/31/1996	TETRACHLOROETHENE	0.0	U	5
PS-2	06/05/1996	TETRACHLOROETHENE	0.0	U	5
PS-2	06/06/1996	TETRACHLOROETHENE	0.0	U	5
PS-2	**06/08/1996**	**TETRACHLOROETHENE**	**270.0**		**5**
PS-2	06/13/1996	TETRACHLOROETHENE	0.0	U	5
PS-2	06/28/1996	TETRACHLOROETHENE	0.0	U	5
PS-2	07/17/1996	TETRACHLOROETHENE	0.0	U	5
PS-2	10/24/1996	TETRACHLOROETHENE	0.0	U	5
PS-2	03/08/1997	TETRACHLOROETHENE	0.0	U	5
PS-2	09/16/1997	TETRACHLOROETHENE	0.0	U	5
PS-2	08/17/1999	TETRACHLOROETHENE	3.0	U	5
PS-2	11/09/1999	TETRACHLOROETHENE	3.0	U	5
PS-2	02/11/2000	TETRACHLOROETHENE	1.0	U	5
PS-2	05/04/2000	TETRACHLOROETHENE	1.0	U	5
PS-2	04/18/1996	TOLUENE	10.0	J	1000
PS-2	05/29/1996	TOLUENE	66.0		1000
PS-2	05/31/1996	TOLUENE	69.0		1000
PS-2	06/05/1996	TOLUENE	75.0		1000
PS-2	06/06/1996	TOLUENE	71.0		1000
PS-2	06/08/1996	TOLUENE	0.0	U	1000
PS-2	06/13/1996	TOLUENE	74.0		1000
PS-2	06/28/1996	TOLUENE	0.0	U	1000
PS-2	07/17/1996	TOLUENE	110.0		1000
PS-2	10/24/1996	TOLUENE	0.0	U	1000
PS-2	09/16/1997	TOLUENE	100.0		1000

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

LOCATION	SAMPLE DATE	PARAMETER	RESULT	Q	CRITERIA (ug/L)
PS-2	08/17/1999	TOLUENE	43.0		1000
PS-2	11/09/1999	TOLUENE	57.0		1000
PS-2	02/11/2000	TOLUENE	37.0		1000
PS-2	05/04/2000	TOLUENE	19.0		1000
PS-2	04/18/1996	TRANS-1,2-DICHLOROETHENE	5.0		100
PS-2	05/29/1996	TRANS-1,2-DICHLOROETHENE	1.0		100
PS-2	05/31/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
PS-2	06/05/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
PS-2	06/06/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
PS-2	06/08/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
PS-2	06/13/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
PS-2	06/28/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
PS-2	07/17/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
PS-2	10/24/1996	TRANS-1,2-DICHLOROETHENE	0.0	U	100
PS-2	09/16/1997	TRANS-1,2-DICHLOROETHENE	0.0	U	100
PS-2	08/17/1999	TRANS-1,2-DICHLOROETHENE	1.0	U	100
PS-2	11/09/1999	TRANS-1,2-DICHLOROETHENE	1.0	U	
PS-2	02/11/2000	TRANS-1,2-DICHLOROETHENE	1.0	U	
PS-2	05/04/2000	TRANS-1,2-DICHLOROETHENE	0.5	U	
PS-2	04/18/1996	TRICHLOROETHENE	3.0		5
PS-2	05/29/1996	TRICHLOROETHENE	2.0		5
PS-2	05/31/1996	TRICHLOROETHENE	0.0	U	5
PS-2	06/05/1996	TRICHLOROETHENE	0.0	U	5
PS-2	06/06/1996	TRICHLOROETHENE	0.0	U	5
PS-2	**06/08/1996**	**TRICHLOROETHENE**	**200.0**		**5**
PS-2	06/13/1996	TRICHLOROETHENE	0.0	U	5
PS-2	06/28/1996	TRICHLOROETHENE	0.0	U	5
PS-2	07/17/1996	TRICHLOROETHENE	4.0	J	5
PS-2	10/24/1996	TRICHLOROETHENE	0.0	U	5
PS-2	03/08/1997	TRICHLOROETHENE	2.8		5
PS-2	09/16/1997	TRICHLOROETHENE	1.0	J	5
PS-2	08/17/1999	TRICHLOROETHENE	1.3	I	5
PS-2	11/09/1999	TRICHLOROETHENE	1.4	I	5
PS-2	02/11/2000	TRICHLOROETHENE	2.0		5
PS-2	05/04/2000	TRICHLOROETHENE	2.0		5
PS-2	**04/18/1996**	**VINYL CHLORIDE**	**8.0**		**2**
PS-2	**05/29/1996**	**VINYL CHLORIDE**	**5.0**		**2**
PS-2	05/31/1996	VINYL CHLORIDE	0.0	U	2
PS-2	06/05/1996	VINYL CHLORIDE	0.0	U	2
PS-2	06/06/1996	VINYL CHLORIDE	0.0	U	2
PS-2	06/08/1996	VINYL CHLORIDE	0.0	U	2
PS-2	06/13/1996	VINYL CHLORIDE	0.0	U	2
PS-2	06/28/1996	VINYL CHLORIDE	0.0	U	2
PS-2	07/17/1996	VINYL CHLORIDE	0.0	U	2
PS-2	10/24/1996	VINYL CHLORIDE	0.0	U	2
PS-2	**03/08/1997**	**VINYL CHLORIDE**	**8.8**		**2**
PS-2	09/16/1997	VINYL CHLORIDE	1.0	J	2
PS-2	**08/17/1999**	**VINYL CHLORIDE**	**3.2**	**I**	**2**
PS-2	**11/09/1999**	**VINYL CHLORIDE**	**2.9**		**2**
PS-2	**02/11/2000**	**VINYL CHLORIDE**	**2.0**		**2**
PS-2	05/04/2000	VINYL CHLORIDE	1.0	U	2
PS-2	04/18/1996	XYLENES, TOTAL	4.0		10000
PS-2	07/17/1996	XYLENES, TOTAL	7.0	J	10000

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

LOCATION	SAMPLE DATE	PARAMETER	RESULT	Q	CRITERIA (ug/L)
PS-2	10/24/1996	XYLENES, TOTAL	0.0	U	10000
PS-2	09/16/1997	XYLENES, TOTAL	17.0		10000
PS-2	08/17/1999	XYLENES, TOTAL	29.0		10000
PS-2	11/09/1999	XYLENES, TOTAL	47.0		10000
PS-2	02/11/2000	XYLENES, TOTAL	40.0		10000
PS-2	05/04/2000	XYLENES, TOTAL	41.0		10000

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

Columbia Analytical Services INC.
An Employee-Owned Company

May 24, 2000

Service Request No. J2001471

Certification Numbers:

Florida DEP:	930298G
Florida HRS:	E82502; 82483
Massachusetts:	M-FL937
New Hampshire:	294297-A; 294297-B
North Carolina:	527
South Carolina:	96021001

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

RE: Project No.: 23034193
Project Name: NSB Kings Bay/Site II

Dear Fred Coley:

Enclosed are the results of the samples(s) submitted to our laboratory on May 05, 2000. For your reference, these analyses have been assigned our service request number: J2001471.

All analyses were performed according to our laboratory's quality assurance program. All results are intended to be considered in the entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the samples analyzed.

Please call if you have any questions.

Respectfully submitted,

Columbia Analytical Services, Inc.

Tom Kissinger

Tom Kissinger
Project Manager

TK/jg

Columbia Analytical Services inc.
An Employee-Owned Company

Columbia Analytical Services
8540 Baycenter Road
Jacksonville, FL 32256
Tel 904-739-2277
Fax 904-739-2011

CROSS REFERENCE

Lab Sample ID	Client Sample ID	Date/Time Collected	Matrix
J2001471-001	KB-11-2-MAY00	5/3/00 1200	Ground Water
J2001471-002	KB-11-13A-MAY00	5/3/00 1415	Ground Water
J2001471-003	KB-11-16-MAY00	5/4/00 0950	Ground Water
J2001471-004	KB-11-34-MAY00	5/4/00 0900	Ground Water
J2001471-005	KB-11-37-MAY00	5/4/00 1056	Ground Water
J2001471-006	122 PLANT.CT.MAY00 *	5/4/00 0950	Ground Water
J2001471-007	102 PLANT.CT.MAY00 *	5/4/00 1023	Ground Water
J2001471-008	108 COTTAGE.CT.MAY00 *	5/4/00 1120	Ground Water
J2001471-009	KB-11-16-D-MAY00	5/4/00 0950	Ground Water
J2001471-010	KB-TRIP.BLK.MAY00	5/4/00 0900	Water QC
J2001471-011	KB-EQUIP.BLK.MAY/00	5/3/00 0900	Water QC
J2001471-012	KB-PS-2-MAY00	5/4/00 1000	Ground Water

*Subdivision sampling - results sent under separate cover letter to John Garner
5-30-00 KCO

CASE NARRATIVE
GC/MS Volatile Organics

CAS Lab Reference No./SDG#: J2001471

Client/Project: JA Jones Management Services

I. RECEIPT

No exceptions were encountered unless noted on the Cooler Receipt and Preservation Form included with this data package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHOD

Preparation: SW-846 5030
Analysis: SW-846 8260B

IV. PREPARATION

Sample preparation proceeded normally

V. ANALYSIS

A. Calibration: All acceptance criteria were met. A linear fit was required for some calibration compounds. For these compounds the minimum r2 value was met per SW-846. For 1,2-dibromo-3-chloropropane, the average %RSD for all compounds was <15% per SW-846.

B. Blanks: All values were less than the reporting limit.

C. Surrogates: All acceptance criteria were met.

D. Spikes: All acceptance criteria were met.

E. Samples: Sample analyses proceeded normally.

F. Internal Standards: For samples J2001471-007,-008,-009,-010 1,4-Dichlorobenzene-d4 internal standard was out of acceptance limits. Samples were reanalyzed and again produced unacceptable results. Since there were no associated target analytes quantitated from this internal standard no further corrective action was taken.

I certify that this data package is in compliance with the terms and conditions agreed to by Columbia Analytical Services, Inc. and by the client, both technically, and for completeness, except for the conditions detailed above. The Laboratory Manager or his designee, as verified by the following signature, has authorized release of the data contained in this hard copy data package:

Signed: _____ Date: 5/25/04
Jerry Allen
Volatile Organics Manager

Columbia Analytical Services
8540 Baycenter Road
Jacksonville, FL 32256
Phone: (904) 739-2277
Fax: (904) 739-2011

Columbia Analytical Services inc.
An Employee-Owned Company

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8540 Baycenter Road
Jacksonville, FL 32256
Tel 904-739-2277
Fax 904-739-2011

GC/MS Volatiles

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KB-11-2-MAY00

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Matrix: (soil/water) WATER Lab Sample ID: J2001471-001

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 0515-25

Level: (low/med) LOW Date Received: 05/05/00

% Moisture: not dec. _____ Date Analyzed: 05/16/00

GC Column: RTX-1 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene Chloride	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone (MEK)	5	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
75-71-8	Dichlorodifluoromethane	1	U
75-69-4	Trichlorofluoromethane	1	U
107-13-1	Acrylonitrile	5	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KB-11-2-MAY00

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Matrix: (soil/water) WATER Lab Sample ID: J2001471-001

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 0515-25

Level: (low/med) LOW Date Received: 05/05/00

% Moisture: not dec. _____ Date Analyzed: 05/16/00

GC Column: RTX-1 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-05-4	Vinyl Acetate	5	U
107-02-8	Acrolein	5	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
74-88-4	Iodomethane	1	U
106-93-4	1,2-Dibromoethane (EDB)	1	U
97-63-2	Ethyl methacrylate	5	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
95-47-6	O-Xylene	1	U
136777-61-2	P&M Xylene	2	U
1330-20-7	Total Xylenes	3	U
110-57-6	trans-1,4-Dichloro-2-butene	1	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KB-11-2-MAY00MS

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Matrix: (soil/water) WATER Lab Sample ID: J2001471-001MS

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

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/15/00

GC Column: RTX-1 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	19	
74-83-9	Bromomethane	18	
75-01-4	Vinyl Chloride	21	
75-00-3	Chloroethane	22	
75-09-2	Methylene Chloride	22	
67-64-1	Acetone	52	
75-15-0	Carbon Disulfide	23	
75-35-4	1,1-Dichloroethene	22	
156-59-2	cis-1,2-Dichloroethene	23	
75-34-3	1,1-Dichloroethane	22	
156-60-5	trans-1,2-Dichloroethene	23	
67-66-3	Chloroform	23	
107-06-2	1,2-Dichloroethane	22	
78-93-3	2-Butanone (MEK)	34	
71-55-6	1,1,1-Trichloroethane	23	
56-23-5	Carbon Tetrachloride	22	
75-27-4	Bromodichloromethane	20	
79-01-6	Trichloroethene	24	
124-48-1	Dibromochloromethane	22	
79-00-5	1,1,2-Trichloroethane	22	
71-43-2	Benzene	23	
75-25-2	Bromoform	21	
108-10-1	4-Methyl-2-Pentanone (MIBK)	16	
591-78-6	2-Hexanone	34	
127-18-4	Tetrachloroethene	25	
79-34-5	1,1,2,2-Tetrachloroethane	23	
108-88-3	Toluene	24	
108-90-7	Chlorobenzene	24	
100-41-4	Ethylbenzene	21	
100-42-5	Styrene	25	
75-71-8	Dichlorodifluoromethane	18	
75-69-4	Trichlorofluoromethane	20	
107-13-1	Acrylonitrile	5	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KB-11-2-MAY00MS

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Matrix: (soil/water) WATER Lab Sample ID: J2001471-001MS

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

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/15/00

GC Column: RTX-1 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-05-4	Vinyl Acetate	17	
107-02-8	Acrolein	5	U
541-73-1	1,3-Dichlorobenzene	25	
106-46-7	1,4-Dichlorobenzene	25	
95-50-1	1,2-Dichlorobenzene	25	
74-88-4	Iodomethane	25	
106-93-4	1,2-Dibromoethane (EDB)	22	
97-63-2	Ethyl methacrylate	5	U
630-20-6	1,1,1,2-Tetrachloroethane	22	
96-18-4	1,2,3-Trichloropropane	21	
96-12-8	1,2-Dibromo-3-chloropropane	18	
95-47-6	O-Xylene	24	
136777-61-2	P&M Xylene	51	
1330-20-7	Total Xylenes	75	
110-57-6	trans-1,4-Dichloro-2-butene	1	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KB-11-2-MAY00MSD

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Matrix: (soil/water) WATER Lab Sample ID: J2001471-001MSD

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

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/15/00

GC Column: RTX-1 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	20	
74-83-9	Bromomethane	18	
75-01-4	Vinyl Chloride	22	
75-00-3	Chloroethane	23	
75-09-2	Methylene Chloride	22	
67-64-1	Acetone	51	
75-15-0	Carbon Disulfide	25	
75-35-4	1,1-Dichloroethene	22	
156-59-2	cis-1,2-Dichloroethene	24	
75-34-3	1,1-Dichloroethane	23	
156-60-5	trans-1,2-Dichloroethene	24	
67-66-3	Chloroform	24	
107-06-2	1,2-Dichloroethane	22	
78-93-3	2-Butanone (MEK)	35	
71-55-6	1,1,1-Trichloroethane	24	
56-23-5	Carbon Tetrachloride	21	
75-27-4	Bromodichloromethane	21	
79-01-6	Trichloroethene	24	
124-48-1	Dibromochloromethane	21	
79-00-5	1,1,2-Trichloroethane	22	
71-43-2	Benzene	23	
75-25-2	Bromoform	21	
108-10-1	4-Methyl-2-Pentanone (MIBK)	17	
591-78-6	2-Hexanone	34	
127-18-4	Tetrachloroethene	25	
79-34-5	1,1,2,2-Tetrachloroethane	22	
108-88-3	Toluene	24	
108-90-7	Chlorobenzene	25	
100-41-4	Ethylbenzene	21	
100-42-5	Styrene	24	
75-71-8	Dichlorodifluoromethane	19	
75-69-4	Trichlorofluoromethane	21	
107-13-1	Acrylonitrile	5	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KB-11-2-MAY00MSD

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Matrix: (soil/water) WATER Lab Sample ID: J2001471-001MSD

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

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/15/00

GC Column: RTX-1 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-05-4	Vinyl Acetate	18	
107-02-8	Acrolein	5	U
541-73-1	1,3-Dichlorobenzene	24	
106-46-7	1,4-Dichlorobenzene	25	
95-50-1	1,2-Dichlorobenzene	25	
74-88-4	Iodomethane	24	
106-93-4	1,2-Dibromoethane (EDB)	22	
97-63-2	Ethyl methacrylate	5	U
630-20-6	1,1,1,2-Tetrachloroethane	22	
96-18-4	1,2,3-Trichloropropane	21	
96-12-8	1,2-Dibromo-3-chloropropane	16	
95-47-6	O-Xylene	24	
136777-61-2	P&M Xylene	49	
1330-20-7	Total Xylenes	73	
110-57-6	trans-1,4-Dichloro-2-butene	1	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KB-11-13A-MAY00

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Matrix: (soil/water) WATER Lab Sample ID: J2001471-002

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 0515-26

Level: (low/med) LOW Date Received: 05/05/00

% Moisture: not dec. _____ Date Analyzed: 05/16/00

GC Column: RTX-1 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl Chloride	19	
75-00-3	Chloroethane	1	U
75-09-2	Methylene Chloride	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
156-59-2	cis-1,2-Dichloroethene	180	E
75-34-3	1,1-Dichloroethane	0.8	J
156-60-5	trans-1,2-Dichloroethene	6	
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone (MEK)	5	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
79-01-6	Trichloroethene	20	
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	2	
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	2	
108-90-7	Chlorobenzene	5	
100-41-4	Ethylbenzene	67	
100-42-5	Styrene	1	U
75-71-8	Dichlorodifluoromethane	1	U
75-69-4	Trichlorofluoromethane	1	U
107-13-1	Acrylonitrile	5	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KB-11-13A-MAY00

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Matrix: (soil/water) WATER Lab Sample ID: J2001471-002

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 0515-26

Level: (low/med) LOW Date Received: 05/05/00

% Moisture: not dec. _____ Date Analyzed: 05/16/00

GC Column: RTX-1 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-05-4	Vinyl Acetate	5	U
107-02-8	Acrolein	5	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	3	
95-50-1	1,2-Dichlorobenzene	1	U
74-88-4	Iodomethane	1	U
106-93-4	1,2-Dibromoethane (EDB)	1	U
97-63-2	Ethyl methacrylate	5	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
95-47-6	O-Xylene	4	
136777-61-2	P&M Xylene	2	U
1330-20-7	Total Xylenes	4	
110-57-6	trans-1,4-Dichloro-2-butene	1	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

J2001471-002D

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Matrix: (soil/water) WATER Lab Sample ID: J2001471-002D

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 0518-19

Level: (low/med) LOW Date Received: 05/05/00

% Moisture: not dec. _____ Date Analyzed: 05/19/00

GC Column: RTX-1 ID: 0.32 (mm) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	18	
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	
67-64-1	Acetone	50	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	170	
156-60-5	trans-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone (MEK)	50	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
79-01-6	Trichloroethene	17	
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	50	U
591-78-6	2-Hexanone	50	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	64	
100-42-5	Styrene	10	U
75-71-8	Dichlorodifluoromethane	10	U
75-69-4	Trichlorofluoromethane	10	U
107-13-1	Acrylonitrile	50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

J2001471-002D

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Matrix: (soil/water) WATER Lab Sample ID: J2001471-002D

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 0518-19

Level: (low/med) LOW Date Received: 05/05/00

% Moisture: not dec. _____ Date Analyzed: 05/19/00

GC Column: RTX-1 ID: 0.32 (mm) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-05-4	Vinyl Acetate	50	U
107-02-8	Acrolein	50	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
74-88-4	Iodomethane	10	U
106-93-4	1,2-Dibromoethane (EDB)	10	U
97-63-2	Ethyl methacrylate	50	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
95-47-6	O-Xylene	10	U
1330-20-7	Total Xylenes	30	U
136777-61-2	m,p-Xylene	20	U
110-57-6	trans-1,4-Dichloro-2-butene	10	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KB-11-16-MAY00

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Matrix: (soil/water) WATER Lab Sample ID: J2001471-003

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 0515-27

Level: (low/med) LOW Date Received: 05/05/00

% Moisture: not dec. _____ Date Analyzed: 05/16/00

GC Column: RTX-1 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene Chloride	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
156-59-2	cis-1,2-Dichloroethene	2	
75-34-3	1,1-Dichloroethane	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone (MEK)	5	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
75-71-8	Dichlorodifluoromethane	1	U
75-69-4	Trichlorofluoromethane	1	U
107-13-1	Acrylonitrile	5	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KB-11-16-MAY00

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Matrix: (soil/water) WATER Lab Sample ID: J2001471-003

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 0515-27

Level: (low/med) LOW Date Received: 05/05/00

% Moisture: not dec. _____ Date Analyzed: 05/16/00

GC Column: RTX-1 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-05-4	Vinyl Acetate	5	U
107-02-8	Acrolein	5	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
74-88-4	Iodomethane	1	U
106-93-4	1,2-Dibromoethane (EDB)	1	U
97-63-2	Ethyl methacrylate	5	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
95-47-6	O-Xylene	1	U
136777-61-2	P&M Xylene	2	U
1330-20-7	Total Xylenes	3	U
110-57-6	trans-1,4-Dichloro-2-butene	1	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KB-11-16
-D-MAY00

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Matrix: (soil/water) WATER Lab Sample ID: J2001471-009

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 0515-36

Level: (low/med) LOW Date Received: 05/05/00

% Moisture: not dec. _____ Date Analyzed: 05/16/00

GC Column: RTX-1 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene Chloride	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
156-59-2	cis-1,2-Dichloroethene	0.6	J
75-34-3	1,1-Dichloroethane	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone (MEK)	5	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
75-71-8	Dichlorodifluoromethane	1	U
75-69-4	Trichlorofluoromethane	1	U
107-13-1	Acrylonitrile	5	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KB-11-16
-D-MAY00

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Matrix: (soil/water) WATER Lab Sample ID: J2001471-009

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 0515-36

Level: (low/med) LOW Date Received: 05/05/00

% Moisture: not dec. _____ Date Analyzed: 05/16/00

GC Column: RTX-1 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-05-4	Vinyl Acetate	5	U
107-02-8	Acrolein	5	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
74-88-4	Iodomethane	1	U
106-93-4	1,2-Dibromoethane (EDB)	1	U
97-63-2	Ethyl methacrylate	5	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
95-47-6	O-Xylene	1	U
136777-61-2	P&M Xylene	2	U
1330-20-7	Total Xylenes	3	U
110-57-6	trans-1,4-Dichloro-2-butene	1	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

J2001471-009R

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Matrix: (soil/water) WATER Lab Sample ID: J2001471-009R

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 0518-22

Level: (low/med) LOW Date Received: 05/05/00

% Moisture: not dec. _____ Date Analyzed: 05/19/00

GC Column: RTX-1 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene Chloride	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone (MEK)	5	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
75-71-8	Dichlorodifluoromethane	1	U
75-69-4	Trichlorofluoromethane	1	U
107-13-1	Acrylonitrile	5	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

J2001471-009R

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Matrix: (soil/water) WATER Lab Sample ID: J2001471-009R

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 0518-22

Level: (low/med) LOW Date Received: 05/05/00

% Moisture: not dec. _____ Date Analyzed: 05/19/00

GC Column: RTX-1 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-05-4	Vinyl Acetate	5	U
107-02-8	Acrolein	5	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
74-88-4	Iodomethane	1	U
106-93-4	1,2-Dibromoethane (EDB)	1	U
97-63-2	Ethyl methacrylate	5	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
95-47-6	O-Xylene	1	U
1330-20-7	Total Xylenes	3	U
136777-61-2	m,p-Xylene	2	U
110-57-6	trans-1,4-Dichloro-2-butene	1	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KB-11-34-MAY00

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Matrix: (soil/water) WATER Lab Sample ID: J2001471-004

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 0515-28

Level: (low/med) LOW Date Received: 05/05/00

% Moisture: not dec. _____ Date Analyzed: 05/16/00

GC Column: RTX-1 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene Chloride	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone (MEK)	5	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
79-01-6	Trichloroethene	1	
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	89	
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
75-71-8	Dichlorodifluoromethane	1	U
75-69-4	Trichlorofluoromethane	1	U
107-13-1	Acrylonitrile	5	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KB-11-34-MAY00

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Matrix: (soil/water) WATER Lab Sample ID: J2001471-004

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 0515-28

Level: (low/med) LOW Date Received: 05/05/00

% Moisture: not dec. _____ Date Analyzed: 05/16/00

GC Column: RTX-1 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-05-4	Vinyl Acetate	5	U
107-02-8	Acrolein	5	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
74-88-4	Iodomethane	1	U
106-93-4	1,2-Dibromoethane (EDB)	1	U
97-63-2	Ethyl methacrylate	5	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
95-47-6	O-Xylene	1	U
136777-61-2	P&M Xylene	2	U
1330-20-7	Total Xylenes	3	U
110-57-6	trans-1,4-Dichloro-2-butene	1	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KB-11-37-MAY00

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Matrix: (soil/water) WATER Lab Sample ID: J2001471-005

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 0515-29

Level: (low/med) LOW Date Received: 05/05/00

% Moisture: not dec. _____ Date Analyzed: 05/16/00

GC Column: RTX-1 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene Chloride	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
156-59-2	cis-1,2-Dichloroethene	17	
75-34-3	1,1-Dichloroethane	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone (MEK)	5	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	2	
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	3	
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
75-71-8	Dichlorodifluoromethane	1	U
75-69-4	Trichlorofluoromethane	1	U
107-13-1	Acrylonitrile	5	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KB-11-37-MAY00

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Matrix: (soil/water) WATER Lab Sample ID: J2001471-005

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 0515-29

Level: (low/med) LOW Date Received: 05/05/00

% Moisture: not dec. _____ Date Analyzed: 05/16/00

GC Column: RTX-1 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-05-4	Vinyl Acetate	5	U
107-02-8	Acrolein	5	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	3	
95-50-1	1,2-Dichlorobenzene	1	U
74-88-4	Iodomethane	1	U
106-93-4	1,2-Dibromoethane (EDB)	1	U
97-63-2	Ethyl methacrylate	5	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
95-47-6	O-Xylene	1	U
136777-61-2	P&M Xylene	12	
1330-20-7	Total Xylenes	12	
110-57-6	trans-1,4-Dichloro-2-butene	1	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KB-PS-2-MAY00

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Matrix: (soil/water) WATER Lab Sample ID: J2001471-012

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 0515-39

Level: (low/med) LOW Date Received: 05/05/00

% Moisture: not dec. _____ Date Analyzed: 05/16/00

GC Column: RTX-1 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene Chloride	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
156-59-2	cis-1,2-Dichloroethene	57	
75-34-3	1,1-Dichloroethane	5	
156-60-5	trans-1,2-Dichloroethene	0.5	J
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone (MEK)	5	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
79-01-6	Trichloroethene	2	
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	8	
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	19	
108-90-7	Chlorobenzene	0.7	J
100-41-4	Ethylbenzene	16	
100-42-5	Styrene	1	U
75-71-8	Dichlorodifluoromethane	1	U
75-69-4	Trichlorofluoromethane	1	U
107-13-1	Acrylonitrile	5	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KB-PS-2-MAY00

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Matrix: (soil/water) WATER Lab Sample ID: J2001471-012

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 0515-39

Level: (low/med) LOW Date Received: 05/05/00

% Moisture: not dec. _____ Date Analyzed: 05/16/00

GC Column: RTX-1 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-05-4	Vinyl Acetate	5	U
107-02-8	Acrolein	5	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
74-88-4	Iodomethane	1	U
106-93-4	1,2-Dibromoethane (EDB)	1	U
97-63-2	Ethyl methacrylate	5	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
95-47-6	O-Xylene	17	
136777-61-2	P&M Xylene	24	
1330-20-7	Total Xylenes	41	
110-57-6	trans-1,4-Dichloro-2-butene	1	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KB-TRIP.
BLK.MAY00

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Matrix: (soil/water) WATER Lab Sample ID: J2001471-010

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 0515-37

Level: (low/med) LOW Date Received: 05/05/00

% Moisture: not dec. _____ Date Analyzed: 05/16/00

GC Column: RTX-1 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene Chloride	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone (MEK)	5	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
75-71-8	Dichlorodifluoromethane	1	U
75-69-4	Trichlorofluoromethane	1	U
107-13-1	Acrylonitrile	5	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KB-TRIP.
BLK.MAY00

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Matrix: (soil/water) WATER Lab Sample ID: J2001471-010

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 0515-37

Level: (low/med) LOW Date Received: 05/05/00

% Moisture: not dec. _____ Date Analyzed: 05/16/00

GC Column: RTX-1 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-05-4	Vinyl Acetate	5	U
107-02-8	Acrolein	5	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
74-88-4	Iodomethane	1	U
106-93-4	1,2-Dibromoethane (EDB)	1	U
97-63-2	Ethyl methacrylate	5	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
95-47-6	O-Xylene	1	U
136777-61-2	P&M Xylene	2	U
1330-20-7	Total Xylenes	3	U
110-57-6	trans-1,4-Dichloro-2-butene	1	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KB-EQUIP.
BLK.MAY00

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Matrix: (soil/water) WATER Lab Sample ID: J2001471-011

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 0515-38

Level: (low/med) LOW Date Received: 05/05/00

% Moisture: not dec. _____ Date Analyzed: 05/16/00

GC Column: RTX-1 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene Chloride	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone (MEK)	5	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
75-71-8	Dichlorodifluoromethane	1	U
75-69-4	Trichlorofluoromethane	1	U
107-13-1	Acrylonitrile	5	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KB-EQUIP.
BLK.MAY00

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Matrix: (soil/water) WATER Lab Sample ID: J2001471-011

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 0515-38

Level: (low/med) LOW Date Received: 05/05/00

% Moisture: not dec. _____ Date Analyzed: 05/16/00

GC Column: RTX-1 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-05-4	Vinyl Acetate	5	U
107-02-8	Acrolein	5	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
74-88-4	Iodomethane	1	U
106-93-4	1,2-Dibromoethane (EDB)	1	U
97-63-2	Ethyl methacrylate	5	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
95-47-6	O-Xylene	1	U
136777-61-2	P&M Xylene	2	U
1330-20-7	Total Xylenes	3	U
110-57-6	trans-1,4-Dichloro-2-butene	1	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

J200515MB

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Matrix: (soil/water) WATER Lab Sample ID: J200515

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 0515-16

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/15/00

GC Column: RTX-1 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene Chloride	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone (MEK)	5	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
75-71-8	Dichlorodifluoromethane	1	U
75-69-4	Trichlorofluoromethane	1	U
107-13-1	Acrylonitrile	5	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

J200515MB

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Matrix: (soil/water) WATER Lab Sample ID: J200515

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 0515-16

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/15/00

GC Column: RTX-1 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-05-4	Vinyl Acetate	5	U
107-02-8	Acrolein	5	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
74-88-4	Iodomethane	1	U
106-93-4	1,2-Dibromoethane (EDB)	1	U
97-63-2	Ethyl methacrylate	5	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
95-47-6	O-Xylene	1	U
136777-61-2	P&M Xylene	2	U
1330-20-7	Total Xylenes	3	U
110-57-6	trans-1,4-Dichloro-2-butene	1	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

J200515MBLCS

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Matrix: (soil/water) WATER Lab Sample ID: J200515LCS

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

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/15/00

GC Column: RTX-1 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	20	
74-83-9	Bromomethane	19	
75-01-4	Vinyl Chloride	20	
75-00-3	Chloroethane	23	
75-09-2	Methylene Chloride	22	
67-64-1	Acetone	86	
75-15-0	Carbon Disulfide	23	
75-35-4	1,1-Dichloroethene	22	
156-59-2	cis-1,2-Dichloroethene	23	
75-34-3	1,1-Dichloroethane	23	
156-60-5	trans-1,2-Dichloroethene	23	
67-66-3	Chloroform	23	
107-06-2	1,2-Dichloroethane	22	
78-93-3	2-Butanone (MEK)	39	
71-55-6	1,1,1-Trichloroethane	25	
56-23-5	Carbon Tetrachloride	22	
75-27-4	Bromodichloromethane	21	
79-01-6	Trichloroethene	23	
124-48-1	Dibromochloromethane	22	
79-00-5	1,1,2-Trichloroethane	22	
71-43-2	Benzene	24	
75-25-2	Bromoform	22	
108-10-1	4-Methyl-2-Pentanone (MIBK)	34	
591-78-6	2-Hexanone	38	
127-18-4	Tetrachloroethene	24	
79-34-5	1,1,2,2-Tetrachloroethane	23	
108-88-3	Toluene	25	
108-90-7	Chlorobenzene	23	
100-41-4	Ethylbenzene	20	
100-42-5	Styrene	24	
75-71-8	Dichlorodifluoromethane	19	
75-69-4	Trichlorofluoromethane	20	
107-13-1	Acrylonitrile	5	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

J200515MBLCS

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Matrix: (soil/water) WATER Lab Sample ID: J200515LCS

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

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/15/00

GC Column: RTX-1 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-05-4	Vinyl Acetate	17	
107-02-8	Acrolein	5	U
541-73-1	1,3-Dichlorobenzene	24	
106-46-7	1,4-Dichlorobenzene	22	
95-50-1	1,2-Dichlorobenzene	24	
74-88-4	Iodomethane	26	
106-93-4	1,2-Dibromoethane (EDB)	23	
97-63-2	Ethyl methacrylate	5	U
630-20-6	1,1,1,2-Tetrachloroethane	22	
96-18-4	1,2,3-Trichloropropane	20	
96-12-8	1,2-Dibromo-3-chloropropane	19	
95-47-6	O-Xylene	24	
136777-61-2	P&M Xylene	43	
1330-20-7	Total Xylenes	67	
110-57-6	trans-1,4-Dichloro-2-butene	1	U

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

	JAX ASH SAMPLE NO.	SMC1 (DCE) #	SMC2 (TOL) #	SMC3 #	OTHER #	TOT OUT
01	J200515-150P	94	82	86	100	0
02	J200515MBLCS	106	104	104	96	0
03	KB-11-2-MAY0	104	98	102	98	0
04	KB-11-2-MAY0	108	100	104	104	0
05	J200515MB	92	118	88	100	0
06	KB-11-2-MAY0	96	114	94	96	0
07	KB-11-13A-MA	100	110	102	106	0
08	KB-11-16-MAY	96	120	88	100	0
09	KB-11-34-MAY	98	118	88	94	0
10	KB-11-37-MAY	98	112	96	96	0
11	122 PLANT CT	92	120	90	100	0
12	102 PLANT.CT	90	118	86	94	0
13	108 COTTAGE.	92	120	88	96	0
14	KB-11-16-D-M	92	120	88	94	0
15	KB-TRIP.BLK.	92	120	84	94	0
16	KB-EQUIP.BLK	98	114	86	100	0
17	KB-PS-2-MAY0	100	108	94	100	0
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29						
30						

		QC LIMITS
SMC1 (DCE)	= 1,2-dichloroethane-d4	(80-120)
SMC2 (TOL)	= Toluene-d8	(77-121)
SMC3	= 4-Bromofluorobenzene	(74-128)
OTHER	= Dibromofluoromethane	(60-122)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Matrix Spike - Sample No.: KB-11-2-MAY00

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	20	0.0	22	110	52-142
Trichloroethene	20	0.0	24	120	41-139
Benzene	20	0.0	23	115	51-135
Toluene	20	0.0	24	120	48-137
Chlorobenzene	20	0.0	24	120	50-135

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	20	22	110	0	40	52-142
Trichloroethene	20	24	120	0	40	41-139
Benzene	20	23	115	0	40	51-135
Toluene	20	24	120	0	40	48-137
Chlorobenzene	20	25	125	4	40	50-135

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Matrix Spike - JAX ASH Sample No.: J200515M

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	20	0.0	22	110	52-142
Trichloroethene	20	0.0	23	115	41-139
Benzene	20	0.0	24	120	51-135
Toluene	20	0.0	25	125	48-137
Chlorobenzene	20	0.0	23	115	50-135

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

J200515MB

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Lab File ID: 0515-16 Lab Sample ID: J200515

Date Analyzed: 05/15/00 Time Analyzed: 1813

GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: (Y/N) Y

Instrument ID: MS51

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	J200515MBLCS	J200515LCS	0515-11	1502
02	KB-11-2-MAY0	J2001471-001MS	0515-12	1541
03	KB-11-2-MAY0	J2001471-001MS	0515-13	1619
04	KB-11-2-MAY0	J2001471-001	0515-25	0004
05	KB-11-13A-MA	J2001471-002	0515-26	0043
06	KB-11-16-MAY	J2001471-003	0515-27	0122
07	KB-11-34-MAY	J2001471-004	0515-28	0200
08	KB-11-37-MAY	J2001471-005	0515-29	0239
09	122 PLANT CT	J2001471-006	0515-33	0511
10	102 PLANT.CT	J2001471-007	0515-34	0550
11	108 COTTAGE.	J2001471-008	0515-35	0629
12	KB-11-16-D-M	J2001471-009	0515-36	0708
13	KB-TRIP.BLK.	J2001471-010	0515-37	0747
14	KB-EQUIP.BLK	J2001471-011	0515-38	0826
15	KB-PS-2-MAY0	J2001471-012	0515-39	0904
16				
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COMMENTS:

FORM IV VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Lab File ID: 0515-01 BFB Injection Date: 05/15/00

Instrument ID: MS51 BFB Injection Time: 0845

GC Column: ID: 2.00 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	23.4
75	30.0 - 66.0% of mass 95	53.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.6
173	Less than 2.0% of mass 174	0.6 (0.8)1
174	50.0 - 120.0% of mass 95	76.2
175	4.0 - 9.0% of mass 174	5.7 (7.4)1
176	93.0 - 101.0% of mass 174	72.0 (94.5)1
177	5.0 - 9.0% of mass 176	5.1 (7.1)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	J200515-1.0P	J200515-1.0PPB	0515-03	05/15/00	0950
02	J200515-5.0P	J200515-5.0PPB	0515-04	05/15/00	1029
03	J200515-10PP	J200515-10PPB	0515-05	05/15/00	1109
04	J200515-25PP	J200515-25PPB	0515-06	05/15/00	1148
05	J200515-50PP	J200515-50PPB	0515-07	05/15/00	1226
06	J200515-100P	J200515-100PPB	0515-08	05/15/00	1305
07	J200515-ICV	J200515-ICV	0515-10	05/15/00	1423
08	J200515MBLCS	J200515LCS	0515-11	05/15/00	1502
09	KB-11-2-MAY0	J2001471-001MS	0515-12	05/15/00	1541
10	KB-11-2-MAY0	J2001471-001MS	0515-13	05/15/00	1619
11					
12					
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22					

FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Lab File ID: 0515-14 BFB Injection Date: 05/15/00

Instrument ID: MS51 BFB Injection Time: 1657

GC Column: ID: 2.00 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	22.4
75	30.0 - 66.0% of mass 95	51.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	64.1
175	4.0 - 9.0% of mass 174	5.1 (7.9)1
176	93.0 - 101.0% of mass 174	63.5 (99.0)1
177	5.0 - 9.0% of mass 176	5.1 (8.1)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	J200515-CC #	J200515-CC #2	0515-15	05/15/00	1734
02	J200515MB	J200515	0515-16	05/15/00	1813
03	KB-11-2-MAY0	J2001471-001	0515-25	05/16/00	0004
04	KB-11-13A-MA	J2001471-002	0515-26	05/16/00	0043
05	KB-11-16-MAY	J2001471-003	0515-27	05/16/00	0122
06	KB-11-34-MAY	J2001471-004	0515-28	05/16/00	0200
07	KB-11-37-MAY	J2001471-005	0515-29	05/16/00	0239
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FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Lab File ID: 0515-30 BFB Injection Date: 05/16/00

Instrument ID: MS51 BFB Injection Time: 0316

GC Column: ID: 2.00 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	21.4
75	30.0 - 66.0% of mass 95	48.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.0
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	65.0
175	4.0 - 9.0% of mass 174	5.8 (8.9)1
176	93.0 - 101.0% of mass 174	66.4 (102.1)1
177	5.0 - 9.0% of mass 176	4.5 (6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	J200515-CC #	J200515-CC #3	0515-31	05/16/00	0353
02	122 PLANT CT	J2001471-006	0515-33	05/16/00	0511
03	102 PLANT.CT	J2001471-007	0515-34	05/16/00	0550
04	108 COTTAGE.	J2001471-008	0515-35	05/16/00	0629
05	KB-11-16-D-M	J2001471-009	0515-36	05/16/00	0708
06	KB-TRIP.BLK.	J2001471-010	0515-37	05/16/00	0747
07	KB-EQUIP.BLK	J2001471-011	0515-38	05/16/00	0826
08	KB-PS-2-MAY0	J2001471-012	0515-39	05/16/00	0904
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FORM V VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Instrument ID: MS51 Calibration Date(s): 05/15/00 05/15/00

Column: RTX-1 ID: 0.32 (mm) Calibration Time(s): 0950 1305

LAB FILE ID: RF1: 0515-03 RF25: 0515-06 RF50: 0515-07
RF100: 0515-08 RF10: 0515-05

COMPOUND	RF1	RF25	RF50	RF100	RF10
Chloromethane	0.817	0.922	0.976	0.872	0.821
Bromomethane	0.540	0.796	0.819	0.802	0.699
Vinyl Chloride	0.573	0.951	0.914	0.844	0.819
Chloroethane	0.456	0.702	0.677	0.655	0.585
Methylene Chloride	0.818	0.808	0.681	0.602	0.768
Acetone	0.123	0.043	0.045		0.028
Carbon Disulfide	1.418	2.491	2.422		2.213
1,1-Dichloroethene	0.585	0.903	0.952	0.917	0.765
cis-1,2-Dichloroethene	0.760	1.007	0.966	0.897	0.896
1,1-Dichloroethane	1.305	1.801	1.837	1.677	1.619
trans-1,2-Dichloroethene	0.698	1.025	0.993	0.955	0.906
Chloroform	1.260	1.718	1.717	1.596	1.547
1,2-Dichloroethane	0.668	0.822	0.834	0.784	0.787
2-Butanone (MEK)		0.158	0.174	0.134	0.122
1,1,1-Trichloroethane	0.951	1.442	1.407	1.274	1.263
Carbon Tetrachloride	0.680	1.296	1.285	1.227	1.094
Bromodichloromethane	0.891	1.354	1.389	1.297	1.221
Trichloroethene	0.630	0.978	0.988	0.898	0.898
Dibromochloromethane	1.139	1.753	1.728	1.682	1.548
1,1,2-Trichloroethane	1.004	1.122	1.099	1.078	1.060
Benzene	2.000	2.774	2.754	2.343	2.499
Bromoform	0.937	1.214	1.183	1.195	1.171
4-Methyl-2-Pentanone (MIBK)	0.900	0.935	0.918	0.903	0.896
2-Hexanone		0.605	0.623	0.479	0.406
Tetrachloroethene	1.350	1.846	1.640	1.629	1.620
1,1,2,2-Tetrachloroethane	0.890	1.170	1.213	1.166	1.088
Toluene	6.281	7.013	6.370	5.832	6.775
Chlorobenzene	3.665	4.421	4.110	3.866	4.478
Ethylbenzene	8.040	7.917	7.297	6.788	7.538
Styrene	2.953	4.264	3.849	3.859	3.784
Dichlorodifluoromethane		0.902	0.893	0.823	0.717
Trichlorofluoromethane	0.690	1.429	1.544	1.526	1.135
Acrylonitrile		0.086	0.096	0.089	0.079
Vinyl Acetate	0.686	0.972	0.922	0.739	0.757
Acrolein		0.022	0.025	0.026	0.018
1,3-Dichlorobenzene	3.299	4.439	4.402	4.010	4.254
1,4-Dichlorobenzene	3.603	4.399	4.366	4.214	3.965

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Instrument ID: MS51 Calibration Date(s): 05/15/00 05/15/00

Column: RTX-1 ID: 0.32 (mm) Calibration Time(s): 0950 1305

LAB FILE ID: RF1: 0515-03 RF25: 0515-06 RF50: 0515-07
RF100: 0515-08 RF10: 0515-05

COMPOUND	RF1	RF25	RF50	RF100	RF10
1,2-Dichlorobenzene	3.119	3.653	3.632	3.364	3.408
Iodomethane	1.209	1.616	1.604	1.430	1.457
1,2-Dibromoethane (EDB)	0.979	1.198	1.242	1.190	1.120
Ethyl methacrylate	1.130	1.129	1.126	1.102	1.135
1,1,1,2-Tetrachloroethane	1.609	1.924	1.752	1.639	1.652
1,2,3-Trichloropropane		0.452	0.466	0.439	0.506
1,2-Dibromo-3-chloropropane		0.232	0.246	0.247	0.202
O-Xylene	5.586	6.264	5.995	5.241	6.009
P&M Xylene	5.720	6.600	5.800	4.424	5.659
Total Xylenes	1.862	2.088	1.998	1.747	2.003
trans-1,4-Dichloro-2-butene		0.354	0.377	0.388	0.289
1,2-dichloroethane-d4	0.168	0.179	0.180	0.174	0.179
Toluene-d8	1.830	1.567	1.516	1.497	1.623
4-Bromofluorobenzene	0.673	0.745	0.707	0.725	0.705
Dibromofluoromethane	0.301	0.324	0.317	0.308	0.324

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Instrument ID: MS51 Calibration Date(s): 05/15/00 05/15/00

Column: RTX-1 ID: 0.32 (mm) Calibration Time(s): 0950 1305

RF5: 0515-04

COMPOUND	RF5
Chloromethane	0.809
Bromomethane	0.672
Vinyl Chloride	0.805
Chloroethane	0.590
Methylene Chloride	0.806
Acetone	0.032
Carbon Disulfide	2.061
1,1-Dichloroethene	0.798
cis-1,2-Dichloroethene	0.881
1,1-Dichloroethane	1.544
trans-1,2-Dichloroethene	0.878
Chloroform	1.478
1,2-Dichloroethane	0.736
2-Butanone (MEK)	0.117
1,1,1-Trichloroethane	1.207
Carbon Tetrachloride	1.010
Bromodichloromethane	1.102
Trichloroethene	0.844
Dibromochloromethane	1.434
1,1,2-Trichloroethane	1.166
Benzene	2.439
Bromoform	1.141
4-Methyl-2-Pentanone (MIBK)	0.908
2-Hexanone	0.440
Tetrachloroethene	1.767
1,1,2,2-Tetrachloroethane	1.068
Toluene	7.044
Chlorobenzene	4.461
Ethylbenzene	8.908
Styrene	3.777
Dichlorodifluoromethane	0.725
Trichlorofluoromethane	1.073
Acrylonitrile	0.078
Vinyl Acetate	0.709
Acrolein	0.013
1,3-Dichlorobenzene	4.043
1,4-Dichlorobenzene	3.624

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Instrument ID: MS51 Calibration Date(s): 05/15/00 05/15/00

Column: RTX-1 ID: 0.32 (mm) Calibration Time(s): 0950 1305

RF5: 0515-04

COMPOUND	RF5
1,2-Dichlorobenzene	3.568
Iodomethane	1.405
1,2-Dibromoethane (EDB)	1.061
Ethyl methacrylate	1.193
1,1,1,2-Tetrachloroethane	1.919
1,2,3-Trichloropropane	0.527
1,2-Dibromo-3-chloropropane	0.359
O-Xylene	6.210
P&M Xylene	6.375
Total Xylenes	2.070
trans-1,4-Dichloro-2-butene	0.252
1,2-dichloroethane-d4	0.164
Toluene-d8	1.724
4-Bromofluorobenzene	0.703
Dibromofluoromethane	0.302

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Instrument ID: MS51 Calibration Date(s): 05/15/00 05/15/00

Column: RTX-1 ID: 0.32 (mm) Calibration Time(s): 0950 1305

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2
Chloromethane	AVRG		0.86958694		7.7
Bromomethane	AVRG		0.72129847		14.8
Vinyl Chloride	AVRG		0.81769848		16.2
Chloroethane	AVRG		0.61085658		14.6
Methylene Chloride	AVRG		0.74726928		11.7
Acetone	LINR	0.12586794	21.6279810		0.990
Carbon Disulfide	LINR	5.918e-002	0.40528657		0.999
1,1-Dichloroethene	LINR	1.315e-002	1.07423753		0.999
cis-1,2-Dichloroethene	AVRG		0.90101230		9.4
1,1-Dichloroethane	AVRG		1.63067277		11.9
trans-1,2-Dichloroethene	AVRG		0.90921592		12.8
Chloroform	AVRG		1.55269886		11.0
1,2-Dichloroethane	AVRG		0.77195049		7.9
2-Butanone (MEK)	2ORDR	0.55826755	2.68541480	3.19894805	0.994
1,1,1-Trichloroethane	AVRG		1.25754884		13.9
Carbon Tetrachloride	LINR	4.541e-003	0.80339657		0.999
Bromodichloromethane	LINR	-7.97e-005	0.75930428		0.998
Trichloroethene	AVRG		0.87257086		15.0
Dibromochloromethane	LINR	4.106e-003	0.58896247		0.999
1,1,2-Trichloroethane	AVRG		1.08828038		5.1
Benzene	AVRG		2.46835843		11.6
Bromoform	AVRG		1.14047815		9.0
4-Methyl-2-Pentanone (MIBK)	AVRG		0.90988845		1.6
2-Hexanone	2ORDR	0.55288911	0.70414117	0.26057269	0.996
Tetrachloroethene	AVRG		1.64220828		10.3
1,1,2,2-Tetrachloroethane	AVRG		1.09895612		10.6
Toluene	AVRG		6.55267319		7.2
Chlorobenzene	AVRG		4.16680076		8.3
Ethylbenzene	AVRG		7.74791815		9.4
Styrene	AVRG		3.74788351		11.5
Dichlorodifluoromethane	AVRG		0.81180328		10.9
Trichlorofluoromethane	LINR	3.044e-002	0.64270764		0.999
Acrylonitrile	AVRG		8.571e-002		8.3
Vinyl Acetate	AVRG		0.79729182		15.0
Acrolein	LINR	0.36431863	36.4950959		0.999
1,3-Dichlorobenzene	AVRG		4.07474991		10.3
1,4-Dichlorobenzene	AVRG		4.02845985		8.8

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Instrument ID: MS51 Calibration Date(s): 05/15/00 05/15/00

Column: RTX-1 ID: 0.32 (mm) Calibration Time(s): 0950 1305

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2
1,2-Dichlorobenzene	AVRG		3.45717931		5.9
Iodomethane	AVRG		1.45352932		10.3
1,2-Dibromoethane (EDB)	AVRG		1.13155874		8.7
Ethyl methacrylate	AVRG		1.13574817		2.7
1,1,1,2-Tetrachloroethane	AVRG		1.74899270		8.1
1,2,3-Trichloropropane	AVRG		0.47806351		7.8
1,2-Dibromo-3-chloropropane	AVRG		0.25713229		23.3 ←
O-Xylene	AVRG		5.88412297		6.7
P&M Xylene	AVRG		5.76272829		13.2
Total Xylenes	AVRG		1.96137432		6.7
trans-1,4-Dichloro-2-butene	LINR	0.24211485	2.51834463		1.000
1,2-dichloroethane-d4	AVRG		0.17380075		3.9
Toluene-d8	AVRG		1.62630704		8.0
4-Bromofluorobenzene	AVRG		0.70969318		3.4
Dibromofluoromethane	AVRG		0.31263491		3.4

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Instrument ID: MS51 Calibration Date: 05/15/00 Time: 1226

Lab File ID: 0515-07 Init. Calib. Date(s): 05/15/00 05/15/00

Heated Purge: (Y/N) Y Init. Calib. Times: 0950 1305

GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d
Chloromethane	56	50	AVRG	12.0	20.0
Bromomethane	57	50	AVRG	14.0	20.0
Vinyl Chloride	56	50	AVRG	12.0	30.0
Chloroethane	55	50	AVRG	10.0	20.0
Methylene Chloride	46	50	AVRG	8.0	20.0
Acetone	250	250	LINR	0.0	20.0
Carbon Disulfide	250	250	LINR	0.0	20.0
1,1-Dichloroethene	52	50	LINR	4.0	30.0
cis-1,2-Dichloroethene	54	50	AVRG	8.0	20.0
1,1-Dichloroethane	56	50	AVRG	12.0	20.0
trans-1,2-Dichloroethene	55	50	AVRG	10.0	20.0
Chloroform	55	50	AVRG	10.0	30.0
1,2-Dichloroethane	54	50	AVRG	8.0	20.0
2-Butanone (MEK)	270	250	2ORDR	8.0	20.0
1,1,1-Trichloroethane	56	50	AVRG	12.0	20.0
Carbon Tetrachloride	52	50	LINR	4.0	20.0
Bromodichloromethane	53	50	LINR	6.0	20.0
Trichloroethene	57	50	AVRG	14.0	20.0
Dibromochloromethane	51	50	LINR	2.0	20.0
1,1,2-Trichloroethane	50	50	AVRG	0.0	20.0
Benzene	56	50	AVRG	12.0	20.0
Bromoform	52	50	AVRG	4.0	20.0
4-Methyl-2-Pentanone (MIBK)	250	250	AVRG	0.0	20.0
2-Hexanone	260	250	2ORDR	4.0	20.0
Tetrachloroethene	50	50	AVRG	0.0	20.0
1,1,2,2-Tetrachloroethane	55	50	AVRG	10.0	20.0
Toluene	49	50	AVRG	2.0	30.0
Chlorobenzene	49	50	AVRG	2.0	20.0
Ethylbenzene	47	50	AVRG	6.0	30.0
Styrene	51	50	AVRG	2.0	20.0
Dichlorodifluoromethane	55	50	AVRG	10.0	20.0
Trichlorofluoromethane	51	50	LINR	2.0	20.0
Acrylonitrile	280	250	AVRG	12.0	20.0
Vinyl Acetate	580	500	AVRG	16.0	20.0
Acrolein	240	250	LINR	4.0	20.0
1,3-Dichlorobenzene	54	50	AVRG	8.0	20.0
1,4-Dichlorobenzene	54	50	AVRG	8.0	20.0

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Instrument ID: MS51 Calibration Date: 05/15/00 Time: 1226

Lab File ID: 0515-07 Init. Calib. Date(s): 05/15/00 05/15/00

Heated Purge: (Y/N) Y Init. Calib. Times: 0950 1305

GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d
1,2-Dichlorobenzene	52	50	AVRG	4.0	20.0
Iodomethane	280	250	AVRG	12.0	20.0
1,2-Dibromoethane (EDB)	55	50	AVRG	10.0	20.0
Ethyl methacrylate	250	250	AVRG	0.0	20.0
1,1,1,2-Tetrachloroethane	50	50	AVRG	0.0	20.0
1,2,3-Trichloropropane	49	50	AVRG	2.0	20.0
1,2-Dibromo-3-chloropropane	53	50	AVRG	6.0	20.0
O-Xylene	51	50	AVRG	2.0	20.0
P&M Xylene	100	100	AVRG	0.0	20.0
Total Xylenes	150	150	AVRG	0.0	20.0
trans-1,4-Dichloro-2-butene	250	250	LINR	0.0	20.0
1,2-dichloroethane-d4	52	50	AVRG	4.0	20.0
Toluene-d8	47	50	AVRG	6.0	20.0
4-Bromofluorobenzene	47	50	AVRG	6.0	20.0
Dibromofluoromethane	51	50	AVRG	2.0	20.0

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Instrument ID: MS51 Calibration Date: 05/15/00 Time: 1734

Lab File ID: 0515-15 Init. Calib. Date(s): 05/15/00 05/15/00

Heated Purge: (Y/N) Y Init. Calib. Times: 0950 1305

GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d	
Chloromethane	47	50	AVRG	6.0	20.0	
Bromomethane	51	50	AVRG	2.0	20.0	
Vinyl Chloride	48	50	AVRG	4.0	30.0	
Chloroethane	48	50	AVRG	4.0	20.0	
Methylene Chloride	44	50	AVRG	12.0	20.0	
Acetone	460	250	LINR	84.0	20.0	<-
Carbon Disulfide	220	250	LINR	12.0	20.0	
1,1-Dichloroethene	44	50	LINR	12.0	30.0	
cis-1,2-Dichloroethene	50	50	AVRG	0.0	20.0	
1,1-Dichloroethane	51	50	AVRG	2.0	20.0	
trans-1,2-Dichloroethene	54	50	AVRG	8.0	20.0	
Chloroform	51	50	AVRG	-2.0	30.0	
1,2-Dichloroethane	48	50	AVRG	4.0	20.0	
2-Butanone (MEK)	160	250	2ORDR	36.0	20.0	<-
1,1,1-Trichloroethane	52	50	AVRG	-4.0	20.0	
Carbon Tetrachloride	48	50	LINR	4.0	20.0	
Bromodichloromethane	49	50	LINR	2.0	20.0	
Trichloroethene	52	50	AVRG	4.0	20.0	
Dibromochloromethane	50	50	LINR	0.0	20.0	
1,1,2-Trichloroethane	48	50	AVRG	4.0	20.0	
Benzene	53	50	AVRG	6.0	20.0	
Bromoform	51	50	AVRG	2.0	20.0	
4-Methyl-2-Pentanone (MIBK)	220	250	AVRG	12.0	20.0	
2-Hexanone	160	250	2ORDR	36.0	20.0	<-
Tetrachloroethene	52	50	AVRG	4.0	20.0	
1,1,2,2-Tetrachloroethane	50	50	AVRG	0.0	20.0	
Toluene	48	50	AVRG	4.0	30.0	
Chlorobenzene	47	50	AVRG	6.0	20.0	
Ethylbenzene	51	50	AVRG	2.0	30.0	
Styrene	53	50	AVRG	6.0	20.0	
Dichlorodifluoromethane	42	50	AVRG	16.0	20.0	
Trichlorofluoromethane	48	50	LINR	4.0	20.0	
Acrylonitrile	260	250	AVRG	4.0	20.0	
Vinyl Acetate	530	500	AVRG	6.0	20.0	
Acrolein	200	250	LINR	20.0	20.0	
1,3-Dichlorobenzene	55	50	AVRG	10.0	20.0	
1,4-Dichlorobenzene	52	50	AVRG	4.0	20.0	

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Instrument ID: MS51 Calibration Date: 05/15/00 Time: 1734

Lab File ID: 0515-15 Init. Calib. Date(s): 05/15/00 05/15/00

Heated Purge: (Y/N) Y Init. Calib. Times: 0950 1305

GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d
1,2-Dichlorobenzene	47	50	AVRG	6.0	20.0
Iodomethane	250	250	AVRG	0.0	20.0
1,2-Dibromoethane (EDB)	49	50	AVRG	2.0	20.0
Ethyl methacrylate	240	250	AVRG	4.0	20.0
1,1,1,2-Tetrachloroethane	50	50	AVRG	0.0	20.0
1,2,3-Trichloropropane	45	50	AVRG	10.0	20.0
1,2-Dibromo-3-chloropropane	47	50	AVRG	6.0	20.0
O-Xylene	49	50	AVRG	2.0	20.0
P&M Xylene	97	100	AVRG	3.0	20.0
Total Xylenes	150	150	AVRG	0.0	20.0
trans-1,4-Dichloro-2-butene	220	250	LINR	12.0	20.0
1,2-dichloroethane-d4	46	50	AVRG	8.0	20.0
Toluene-d8	47	50	AVRG	6.0	20.0
4-Bromofluorobenzene	49	50	AVRG	2.0	20.0
Dibromofluoromethane	48	50	AVRG	4.0	20.0

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Instrument ID: MS51 Calibration Date: 05/16/00 Time: 0353

Lab File ID: 0515-31 Init. Calib. Date(s): 05/15/00 05/15/00

Heated Purge: (Y/N) Y Init. Calib. Times: 0950 1305

GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d	
Chloromethane	48	50	AVRG	4.0	20.0	
Bromomethane	53	50	AVRG	6.0	20.0	
Vinyl Chloride	51	50	AVRG	2.0	30.0	
Chloroethane	55	50	AVRG	10.0	20.0	
Methylene Chloride	54	50	AVRG	8.0	20.0	
Acetone	390	250	LINR	56.0	20.0	<-
Carbon Disulfide	240	250	LINR	4.0	20.0	
1,1-Dichloroethene	51	50	LINR	2.0	30.0	
cis-1,2-Dichloroethene	51	50	AVRG	2.0	20.0	
1,1-Dichloroethane	54	50	AVRG	8.0	20.0	
trans-1,2-Dichloroethene	56	50	AVRG	12.0	20.0	
Chloroform	53	50	AVRG	6.0	30.0	
1,2-Dichloroethane	49	50	AVRG	2.0	20.0	
2-Butanone (MEK)	140	250	2ORDR	44.0	20.0	<-
1,1,1-Trichloroethane	56	50	AVRG	12.0	20.0	
Carbon Tetrachloride	50	50	LINR	0.0	20.0	
Bromodichloromethane	50	50	LINR	0.0	20.0	
Trichloroethene	57	50	AVRG	14.0	20.0	
Dibromochloromethane	49	50	LINR	2.0	20.0	
1,1,2-Trichloroethane	50	50	AVRG	0.0	20.0	
Benzene	53	50	AVRG	6.0	20.0	
Bromoform	50	50	AVRG	0.0	20.0	
4-Methyl-2-Pentanone (MIBK)	220	250	AVRG	12.0	20.0	
2-Hexanone	160	250	2ORDR	36.0	20.0	<-
Tetrachloroethene	54	50	AVRG	8.0	20.0	
1,1,2,2-Tetrachloroethane	49	50	AVRG	2.0	20.0	
Toluene	46	50	AVRG	8.0	30.0	
Chlorobenzene	51	50	AVRG	2.0	20.0	
Ethylbenzene	50	50	AVRG	0.0	30.0	
Styrene	54	50	AVRG	8.0	20.0	
Dichlorodifluoromethane	47	50	AVRG	6.0	20.0	
Trichlorofluoromethane	51	50	LINR	2.0	20.0	
Acrylonitrile	260	250	AVRG	4.0	20.0	
Vinyl Acetate	470	500	AVRG	6.0	20.0	
Acrolein	160	250	LINR	36.0	20.0	<-
1,3-Dichlorobenzene	52	50	AVRG	4.0	20.0	
1,4-Dichlorobenzene	55	50	AVRG	10.0	20.0	

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Instrument ID: MS51 Calibration Date: 05/16/00 Time: 0353

Lab File ID: 0515-31 Init. Calib. Date(s): 05/15/00 05/15/00

Heated Purge: (Y/N) Y Init. Calib. Times: 0950 1305

GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d	
1,2-Dichlorobenzene	50	50	AVRG	0.0	20.0	
Iodomethane	270	250	AVRG	8.0	20.0	
1,2-Dibromoethane (EDB)	51	50	AVRG	2.0	20.0	
Ethyl methacrylate	240	250	AVRG	4.0	20.0	
1,1,1,2-Tetrachloroethane	52	50	AVRG	4.0	20.0	
1,2,3-Trichloropropane	46	50	AVRG	8.0	20.0	
1,2-Dibromo-3-chloropropane	40	50	AVRG	20.0	20.0	
O-Xylene	50	50	AVRG	0.0	20.0	
P&M Xylene	110	100	AVRG	10.0	20.0	
Total Xylenes	160	150	AVRG	6.7	20.0	
trans-1,4-Dichloro-2-butene	190	250	LINR	24.0	20.0	<-
1,2-dichloroethane-d4	55	50	AVRG	10.0	20.0	
Toluene-d8	46	50	AVRG	8.0	20.0	
4-Bromofluorobenzene	48	50	AVRG	4.0	20.0	
Dibromofluoromethane	50	50	AVRG	0.0	20.0	

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Lab File ID (Standard): 0515-10 Date Analyzed: 05/15/00

Instrument ID: MS51 Time Analyzed: 1423

GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: (Y/N) Y

		IS1(CBZ) AREA #	RT #	IS2(DCB) AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	1356160	23.26	1020202	26.08	3296622	19.32
	UPPER LIMIT	2712320	23.76	2040404	26.58	6593244	19.82
	LOWER LIMIT	678080	22.76	510101	25.58	1648311	18.82
	JAX ASH SAMPLE NO.						
01	J200515MBLCS	1384435	23.27	960379	26.08	3237316	19.31
02	KB-11-2-MAY0	1429306	23.26	938824	26.08	3414753	19.31
03	KB-11-2-MAY0	1438372	23.26	979248	26.09	3344741	19.31
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22							

IS1 (CBZ) = Chlorobenzene-d5
IS2 (DCB) = 1,4-Dichlorobenzene-d4
IS3 = Fluorobenzene

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Lab File ID (Standard): 0515-15 Date Analyzed: 05/15/00

Instrument ID: MS51 Time Analyzed: 1734

GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: (Y/N) Y

		IS1(CBZ) AREA #	RT #	IS2(DCB) AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	1437620	23.28	991031	26.09	3365299	19.36
	UPPER LIMIT	2875240	23.78	1982062	26.59	6730598	19.86
	LOWER LIMIT	718810	22.78	495516	25.59	1682650	18.86
	JAX ASH SAMPLE NO.						
01	J200515MB	1180380	23.27	539057	26.09	3409762	19.32
02	KB-11-2-MAY0	1145202	23.26	531476	26.08	3223874	19.31
03	KB-11-13A-MA	1241155	23.26	763770	26.07	3164245	19.30
04	KB-11-16-MAY	1107398	23.26	497133	26.08	3144431	19.31
05	KB-11-34-MAY	1156705	23.25	538797	26.08	3236900	19.30
06	KB-11-37-MAY	1152131	23.26	605574	26.08	3078610	19.31
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22							

IS1 (CBZ) = Chlorobenzene-d5
IS2 (DCB) = 1,4-Dichlorobenzene-d4
IS3 = Fluorobenzene

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: CAS/JAX Case No.: NA SAS No.: NA SDG No.: J2001471

Lab File ID (Standard): 0515-31 Date Analyzed: 05/16/00

Instrument ID: MS51 Time Analyzed: 0353

GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: (Y/N) Y

		IS1(CBZ) AREA #	RT #	IS2(DCB) AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	1309749	23.27	926409	26.08	2980356	19.34
	UPPER LIMIT	2619498	23.77	1852818	26.58	5960712	19.84
	LOWER LIMIT	654875	22.77	463205	25.58	1490178	18.84
	CLIENT SAMPLE NO.						
01	122 PLANT CT	1110586	23.25	484264	26.08	3217923	19.31
02	102 PLANT.CT	1093221	23.26	445859*	26.08	3208889	19.31
03	108 COTTAGE.	1043866	23.26	408224*	26.07	3101505	19.31
04	KB-11-16-D-M	1025965	23.25	396846*	26.08	3140996	19.30
05	KB-TRIP.BLK.	1026347	23.25	348351*	26.08	3108903	19.31
06	KB-EQUIP.BLK	1103051	23.25	463356	26.07	3044666	19.31
07	KB-PS-2-MAY0	1214892	23.25	618498	26.06	3125988	19.30
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21							
22							

IS1 (CBZ) = Chlorobenzene-d5
IS2 (DCB) = 1,4-Dichlorobenzene-d4
IS3 = Fluorobenzene

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

Columbia Analytical Services inc.
An Employee-Owned Company

Columbia Analytical Services
8540 Baycenter Road
Jacksonville, FL 32256
Tel 904-739-2277
Fax 904-739-2011

Chain of Custody Documentation

Columbia Analytical Services, Inc.
Cooler Receipt and Preservation Form

Client: JA Jones Management Services Work order: J2001471

Project: NSB Kings Bay/Site II / 23034193

Cooler received on 5/5/00 1000 and opened on 5/5/00 1000 by THT

		Yes	No	N/A
1	Were custody seals on outside of cooler?	☐	☐	☒
	If yes, how many and where?			☒
	Were signature and date correct?	☐	☐	☒
2	Were custody papers properly filled out (ink, signed, etc....)?	☒	☐	☐
3	Did all bottles arrive in good condition (unbroken, etc....)?	☒	☐	☐
4	Were all bottle labels correct (analysis, preservation, etc....)?	☒	☐	☐
5	Did all bottle labels and tags agree with custody papers?	☒	☐	☐
6	Were correct bottles used for test indicated?	☒	☐	☐
7	Were VOA vials checked for absence of air bubbles, and noted?	☒	☐	☐
8	Temperature of cooler upon receipt	3.4 Degrees C		

Explain any discrepancies:

		Yes	No
pH	Reagent		
12	NaOH		
2	HNO_3		
2	H_2SO_4		

Yes = all samples OK
No = Samples were preserved at lab as listed

Comments:

Sample I.D.	Reagent	Vol.

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CHAIN OF CUSTODY/LABORATORY ANALYSIS REPORT FORM

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DATE 5/4/00 PAGE 1 OF 2

PROJECT NAME NSB KINGSBAY
PROJECT # SITE 11
COMPANY/ADDRESS P.O. BOX 47248
KINGSBAY, GA 31547
PHONE 912 673-8536
REPORT TO: FRED COLEY Ext 8536

ANALYSIS REQUEST

SAMPLE I.D.	DATE	TIME	SAMPLE MATRIX	NUMBER OF CONTAINERS	GROUND WATER PROTECTION STANDARDS 8260	REMARKS
RB-11-2-MAY 00	5/3/00	12:00	WATER	3	✓	
RB-11-13A MAY00	5/3/00	2:15	WATER	3	✓	
RB-11-16 MAY00	5/4/00	0950	WATER	3	✓	
RB11-34 MAY00	5/4/00	0900	WATER	3	✓	
RB-11-37 MAY 00	5/4/00	10:56	WATER	3	✓	
122 PLANT.CT. MAY00	5/4/00	09:50	WATER	3	✓	
102 PLANT.CT MAY00	5/4/00	10:23	WATER	3	✓	
108 COTTAGE CT. MAY00	5/4/00	11:20	WATER	3	✓	
RB-11-16-D MAY00	5/4/00	0950	WATER	3	✓	
~~122 PLANT.CT(D) MAY00~~	~~5/4/00~~	~~0950~~	~~WATER~~	~~3~~	✓	

RELINQUISHED BY:
Signature
Printed Name
Firm
Date/Time

RECEIVED BY:
Signature: Travis Trader
Printed Name: Travis Trader
Firm: CAS
Date/Time: 5/5/00 1000

TURNAROUND REQUIREMENTS
___ 24 hr. ___ 48 hr. ___ 5 day
X Standard (7-10 working days)
___ Provide Verbal Preliminary Results
___ Provide FAX Preliminary Results
Requested Report Date _____

REPORT REQUIREMENTS
___ I. Routine Report
___ II. Report (includes DUP.MAS. MSD, as required, may be charged as samples)
X III. Data Validation Report (includes All Raw Data)
___ IV. CLP Deliverable Report

INVOICE INFORMATION:
P.O.# 034193
Bill To JA JONES

SAMPLE RECEIPT:
Shipping VIA: JAJMS
Shipping to: Columbia
Condition:
Lab No:

RELINQUISHED BY:
Signature: Frank Sheffield
Printed Name: FRANK SHEFFIELD
Firm: J.A. JONES
Date/Time

RECEIVED BY:
Signature: L. Truett
Printed Name: L. TRUETT
Firm
Date/Time: 5-5-00 0724

SPECIAL INSTRUCTIONS/COMMENTS:

X
SAMPLER'S SIGNATURE

1471

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

Columbia Analytical Services INC.
An Employee-Owned Company

CHAIN OF CUSTODY/LABORATORY ANALYSIS REPORT FORM

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DATE 5/4/00 PAGE 2 OF 2

PROJECT NAME NSB Kings Bay
PROJECT # Site 11
COMPANY/ADDRESS P.O Box 47248
Kings Bay, GA 31547
PHONE 912-673-2001
REPORT TO: Fred Coley ~~441-8536~~

ANALYSIS REQUEST

SAMPLE I.D.	DATE	TIME	SAMPLE MATRIX	NUMBER OF CONTAINERS	GROUND WATER PROTECT. STD. 8260	REMARKS
KB-TRIP BLK MAY/00	5/4/00	0900	WATER	3	✓	
KB-EQUIP. BLK. MAY/00	5/3/00	0900	WATER	3	✓	
KB-AS-2 MAY/00	5/4/00	1000	WATER	3	✓	

RELINQUISHED BY:	RECEIVED BY:
Signature	Signature
Printed Name: FRANK SHEFFIELD	Printed Name: L. TRUETT
Firm: J.A. JONES	Firm
Date/Time	Date/Time 5-5-00 0726

TURNAROUND REQUIREMENTS
___ 24 hr. ___ 48 hr. ___ 5 day
___ Standard (7-10 working days)
___ Provide Verbal Preliminary Results
___ Provide FAX Preliminary Results
Requested Report Date _____

REPORT REQUIREMENTS
___ I. Routine Report
___ II. Report (includes DUP.MAS. MSD, as required, may be charged as samples)
___ III. Data Validation Report (includes All Raw Data)
___ IV. CLP Deliverable Report

INVOICE INFORMATION:
P.O.# _____
Bill To _____

SAMPLE RECEIPT:
Shipping VIA: _____
Shipping to: _____
Condition: _____
Lab No: _____

RELINQUISHED BY:	RECEIVED BY:
Signature	Signature
Printed Name	Printed Name: Travis Trader
Firm	Firm: CAS
Date/Time	Date/Time 5/5/00 1000

SPECIAL INSTRUCTIONS/COMMENTS:

SAMPLER'S SIGNATURE

1471

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator