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RFI INTERIM REPORT FOR SITE 11 VOLUME II APPENDICES NSB KINGS BAY GA
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RFI INTERIM REPORT FOR SITE 11

VOLUME II - APPENDICES

NAVAL INSTALLATION RESTORATION PROGRAM
NAVAL SUBMARINE BASE
KINGS BAY, GEORGIA

CONTRACT NO. N62467-89-D-0317

DECEMBER 1993

SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NORTH CHARLESTON, SOUTH CAROLINA
29419-9010

Release of This Document Requires the Prior
Notification of the Chief Official of the Activity Studied

RFI Interim Report for Site 11
Volume II - Appendices
Naval Installation Restoration Program
Naval Submarine Base
Kings Bay, Georgia

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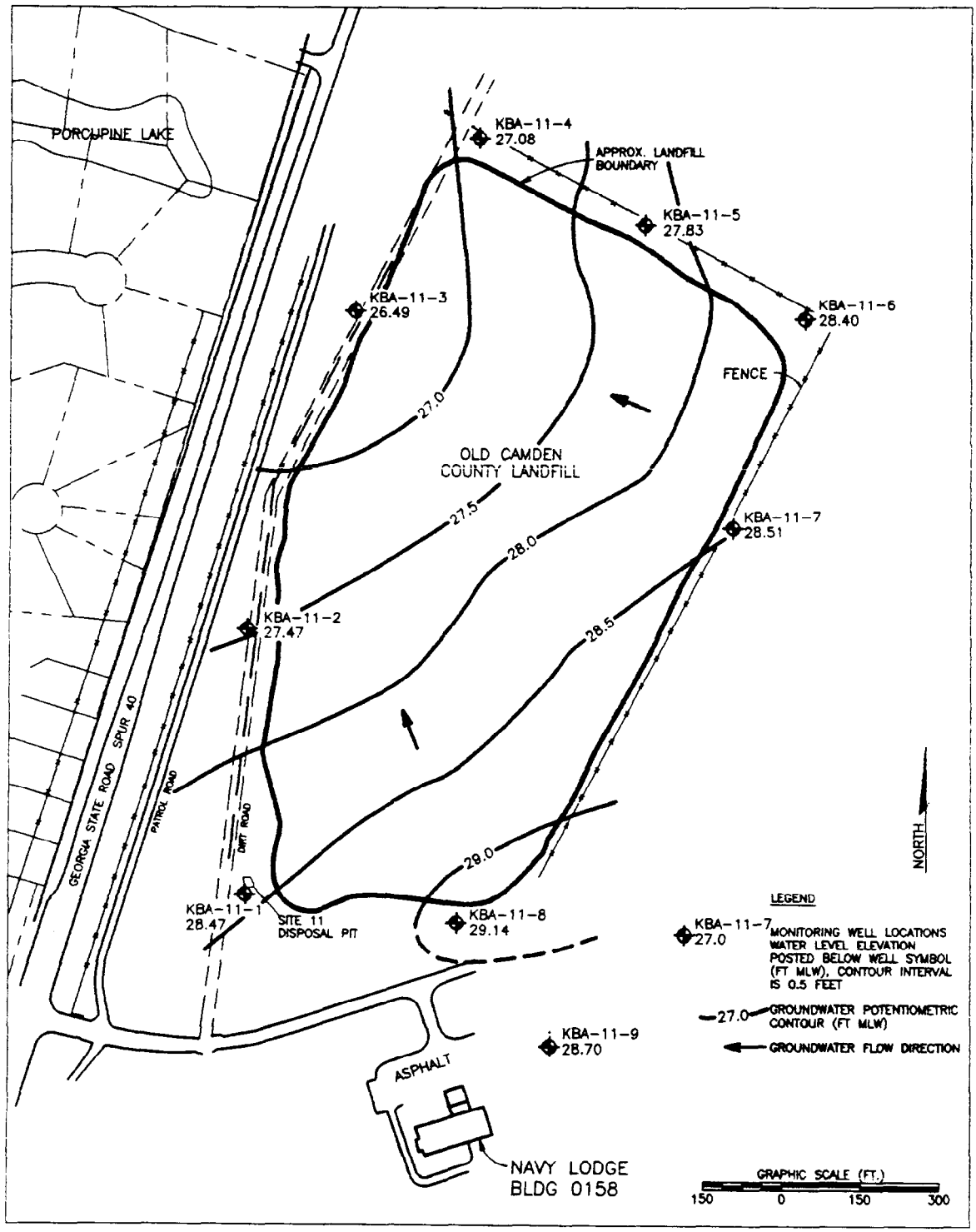
Appendix A

Potentiometric Surface Maps and Hydraulic Head Graphs



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CHKD: KMH	APPD.: LBH	FIGURE NO.:	
DATE: 7-26-93	REV.:		

RFI INTERIM REPORT FOR SITE 11
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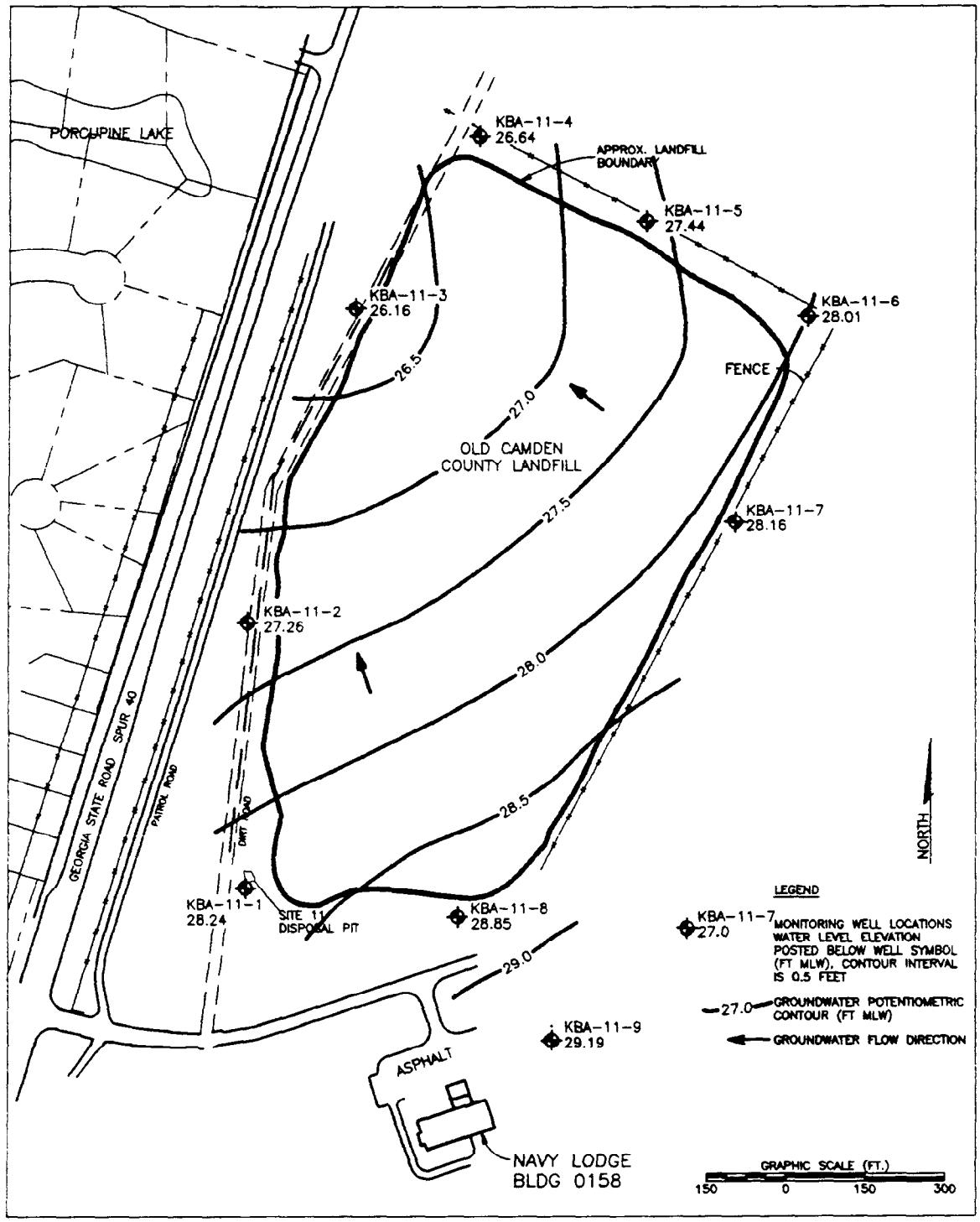

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CHKD: KMH	APPD.: LBH	FIGURE NO.:	
DATE: 7-23-93	REV.:		

RI, INTERIM REPORT FOR SITE 11
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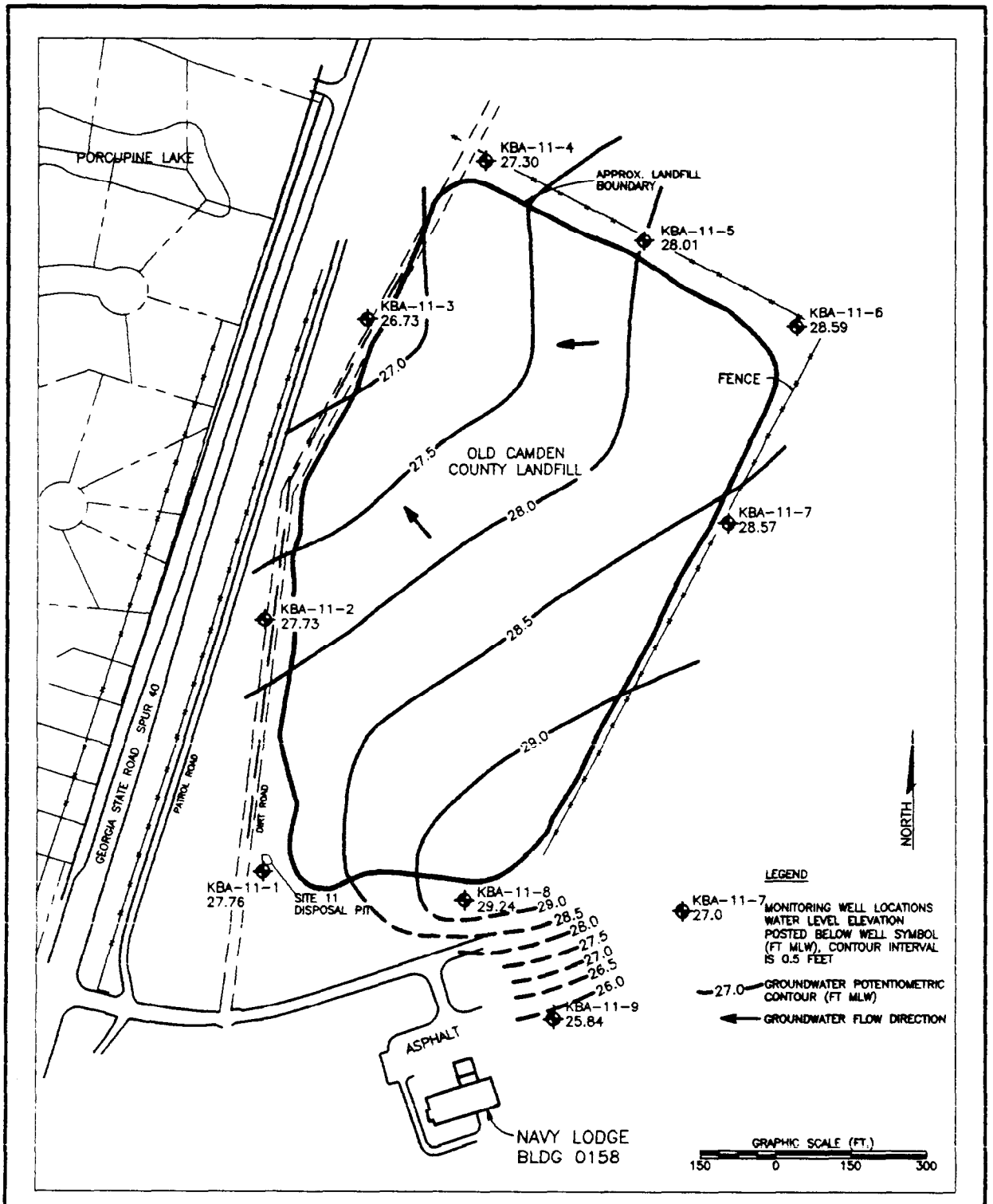

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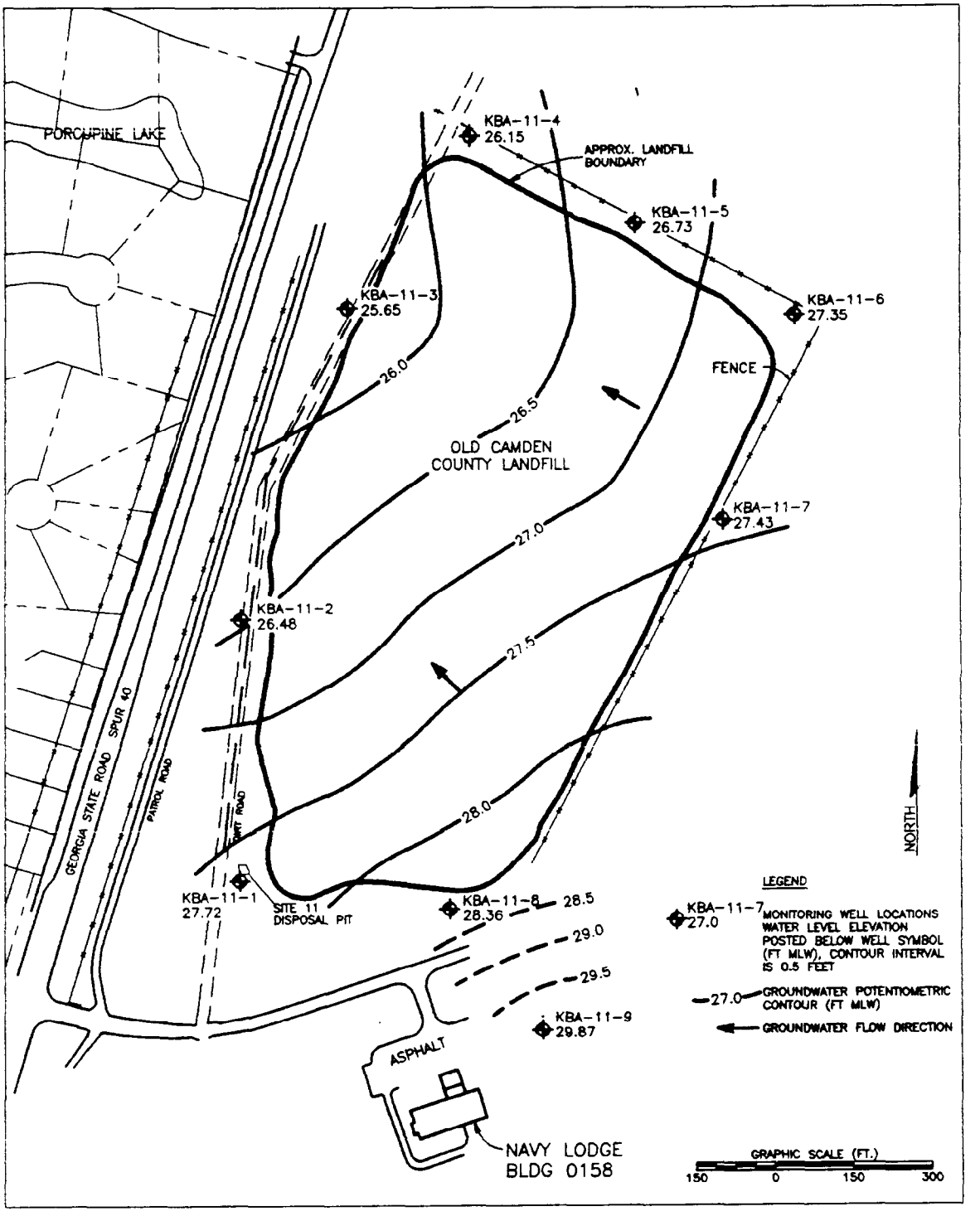
DATE: 7-23-93	REV.:			



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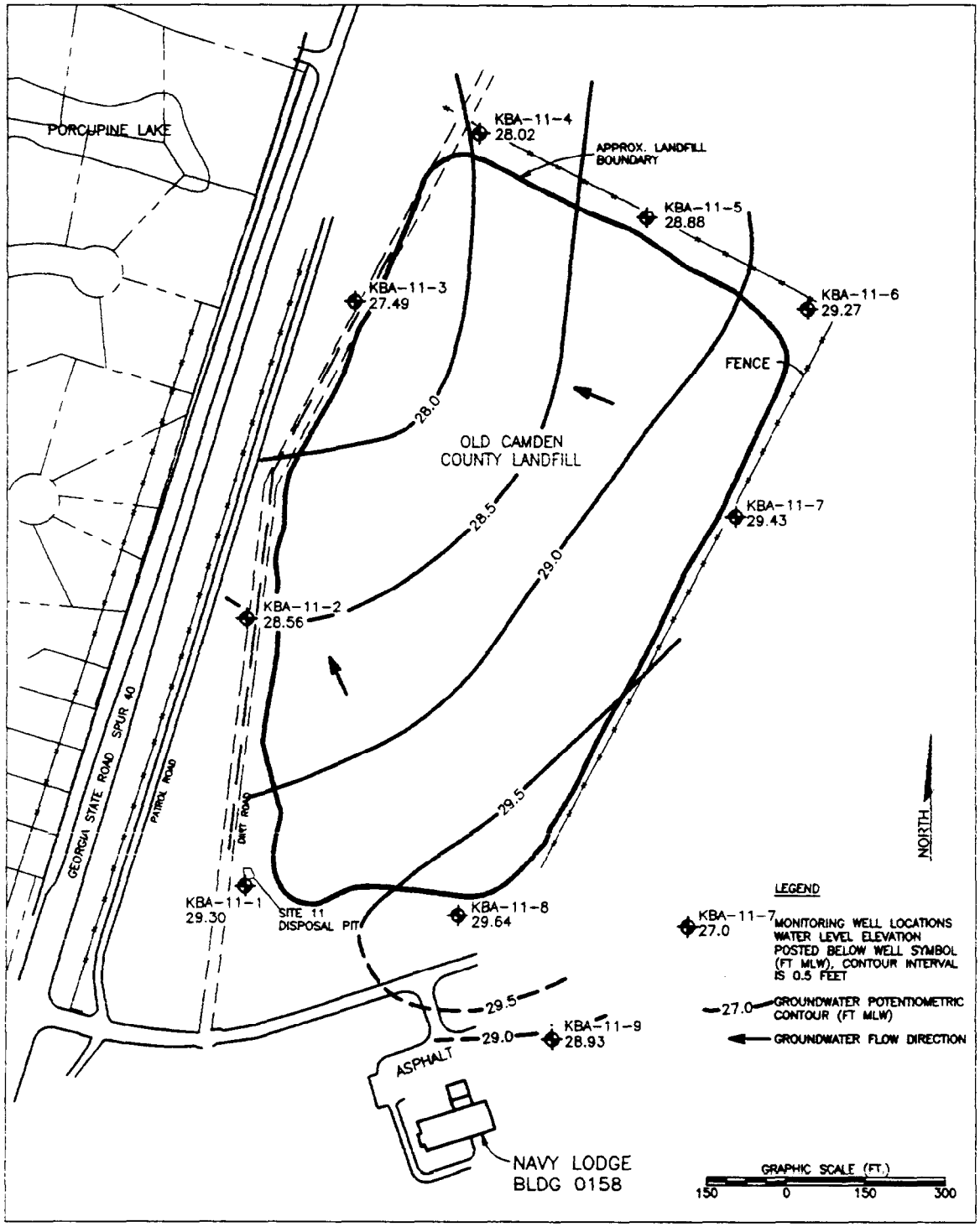

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CHKD: KMH	APPD.: LBH	FIGURE NO.:	
DATE: 7-26-93	REV.:		RI/FS INTERIM REPORT FOR SITE 11 NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA

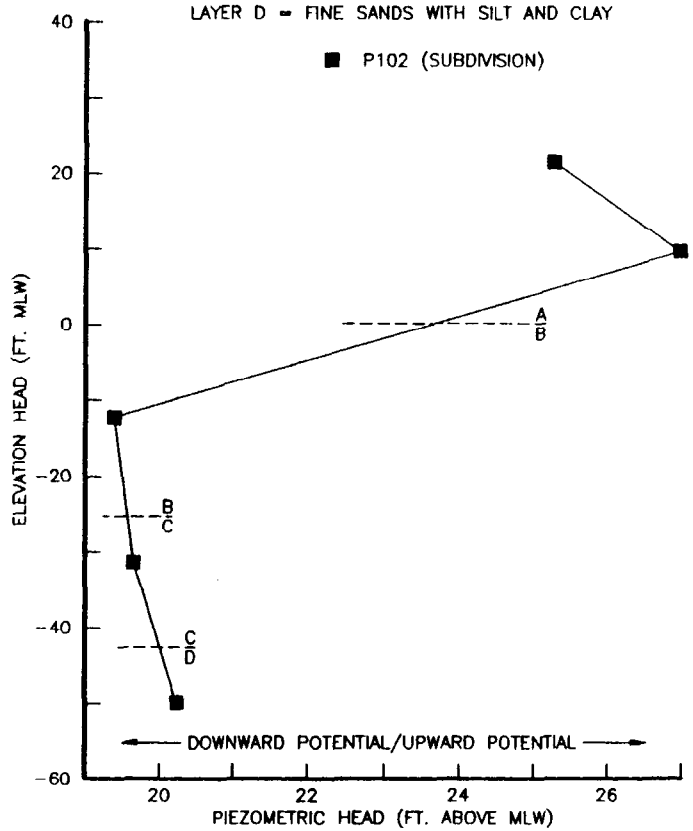
Hydraulic Head Data

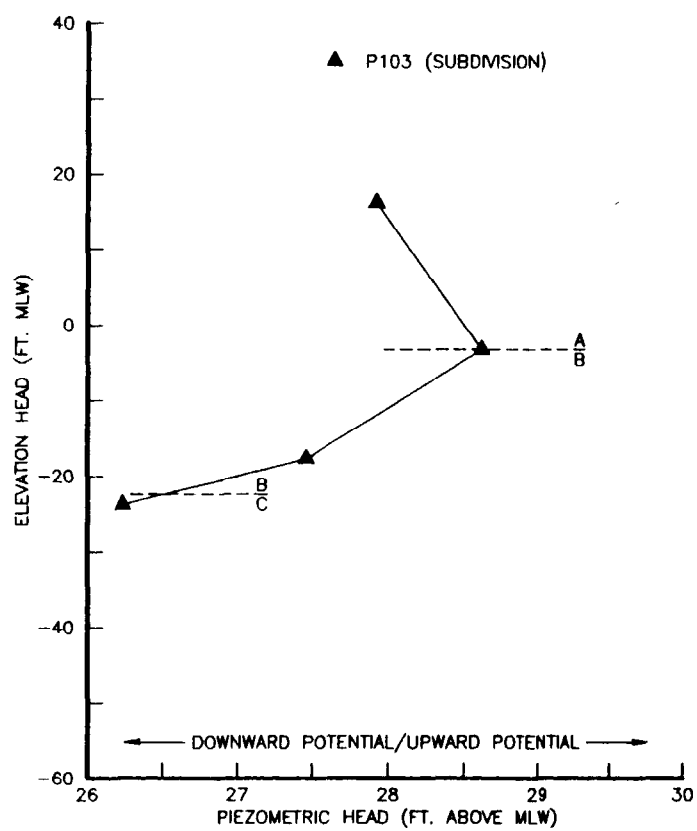
Piezocone Location	(MLW) ft Surface Elevation	Cone (ft) Depth	(Z) Elevation Head (ft)	(P) Pressure Head (ft)	(H) Piezometric Head (ft)
11PC101	34.00	25.20	8.8	24	32.8
11PC102	26.80	5.55	21.25	4.0	25.25
		17.80	9.00	18.0	27.00
		39.50	-12.70	32.0	19.30
		58.15	-31.35	51.0	19.65
		76.60	-49.80	70.0	20.20
11PC103	27.10	11.25	15.85	12.0	27.85
		29.50	-2.40	31.0	28.60
		44.75	-17.65	45.0	27.35
		50.85	-23.75	50.0	26.25
11PC104	26.90	8.10	18.80	4.0	22.80
		17.30	9.60	14.0*	23.60
		38.65	-11.75	37.0	25.25
		56.95	-30.05	55.0*	24.95
11PC105	28.00	8.30	19.70	10.0	29.70
		23.85	4.15	23.0	27.15
		27.05	0.95	29.0	29.95
		42.30	-14.30	42.0	27.70
		79.45	-51.45	72.0	20.46
11PC106	33.70	5.90	27.80	3.0	24.80
11PC109	26.70	8.80	17.90	6.0*	23.90
		24.30	2.40	22.0*	24.40
11PC110	28.90	5.30	23.60	3.0	26.60
		17.45	11.45	12.0	23.45
		35.65	-6.75	31.0	24.25
		56.90	-28.00	51.0*	23.00
		62.90	-34.00	55.0	21.00
11PC111	27.10	8.65	18.45	3.0	21.45
		24.35	2.75	21.0*	23.75
		29.30	-2.20	26.0	23.80
		47.95	-20.85	42.0	21.15
		63.30	-36.20	54.0	17.80
		78.00	-50.90	64.0	13.10
11PC112	30.4	12.85	17.85	7.5	25.35
		22.15	8.25	13.0	21.25
11PC113	30.4	21.15	9.25	19.0	28.25
		33.40	-3.00	35.0*	32.00
11PC114	29.5	5.25	24.25	4.0	28.25
		20.40	9.10	17.0*	28.10
		41.85	-12.35	34.0	21.65
11PC116	35.9	26.9	9.0	20.0	29.00
		36.05	-0.15	29.0*	28.85
		45.20	-9.30	37.0	27.70

Notes: * = Pore pressure possibly not to equilibrium
Elevation Head (Z) = surface elevation - cone depth
Piezometric Head (H) = elevation head (Z) + pressure head (P)

LEGEND

LAYER A = GRADED FINE SANDS WITH SILT AND CLAY
LAYER B = FINE SAND
LAYER C = GRADED FINE SANDS WITH SILT AND CLAY
LAYER D = FINE SANDS WITH SILT AND CLAY





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CHKD: LBH	APPD.: LBH	FIGURE NO.:	
DATE: 4-13-93	REV.:		

RFI INTERIM REPORT FOR SITE 11
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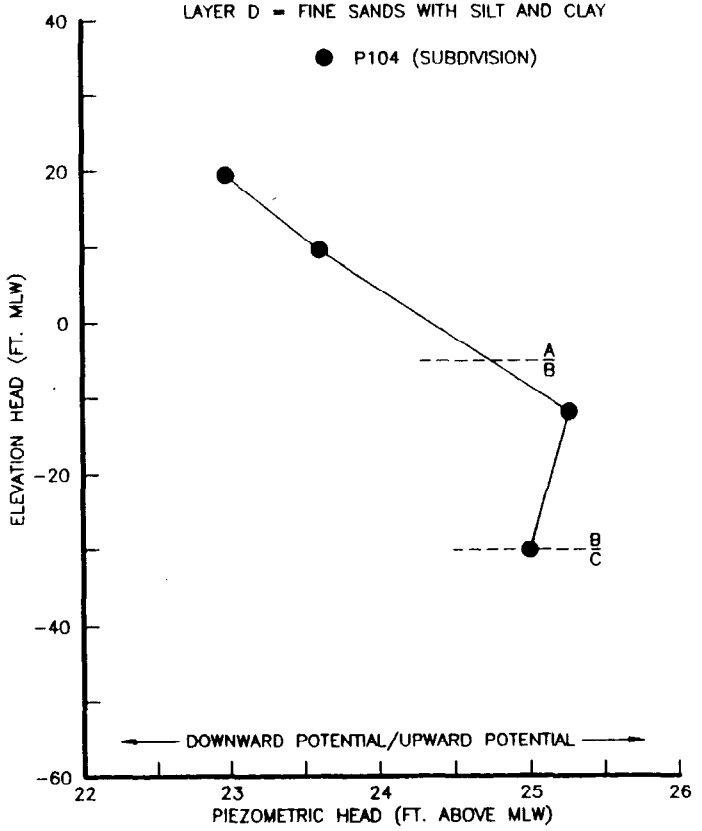
LEGEND

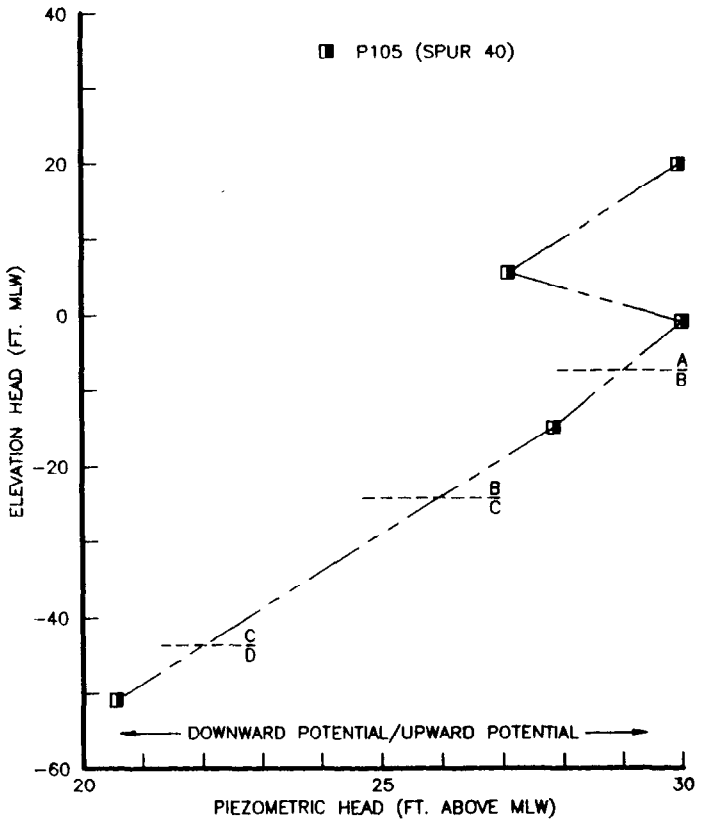
LAYER A = GRADED FINE SANDS WITH SILT AND CLAY

LAYER B = FINE SAND

LAYER C = GRADED FINE SANDS WITH SILT AND CLAY

LAYER D = FINE SANDS WITH SILT AND CLAY





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CHKD: LBH	APPD.: LBH	FIGURE NO.:	
DATE: 4-13-93	REV.:		

RFI INTERIM REPORT FOR SITE 11
NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA

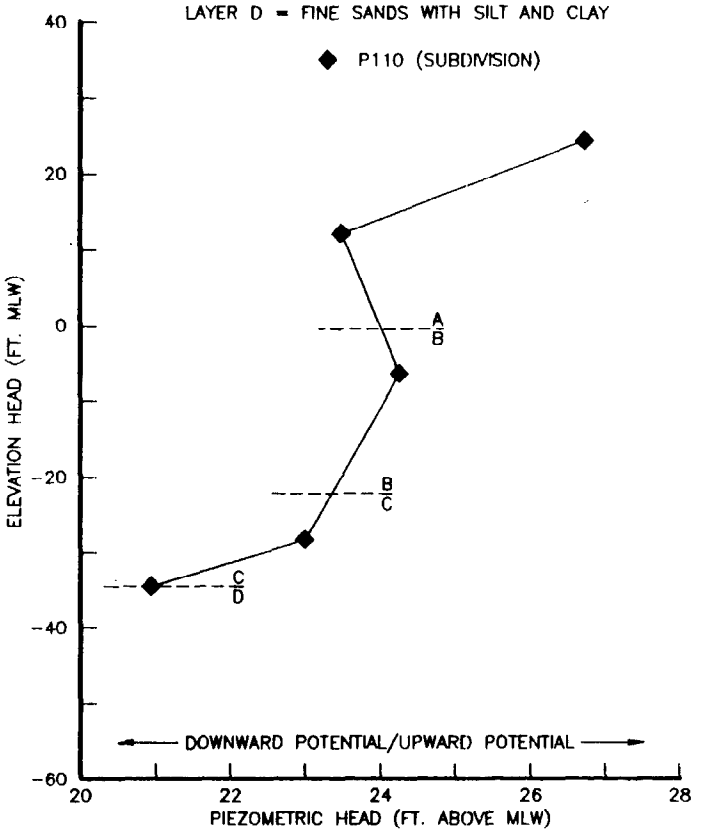
LEGEND

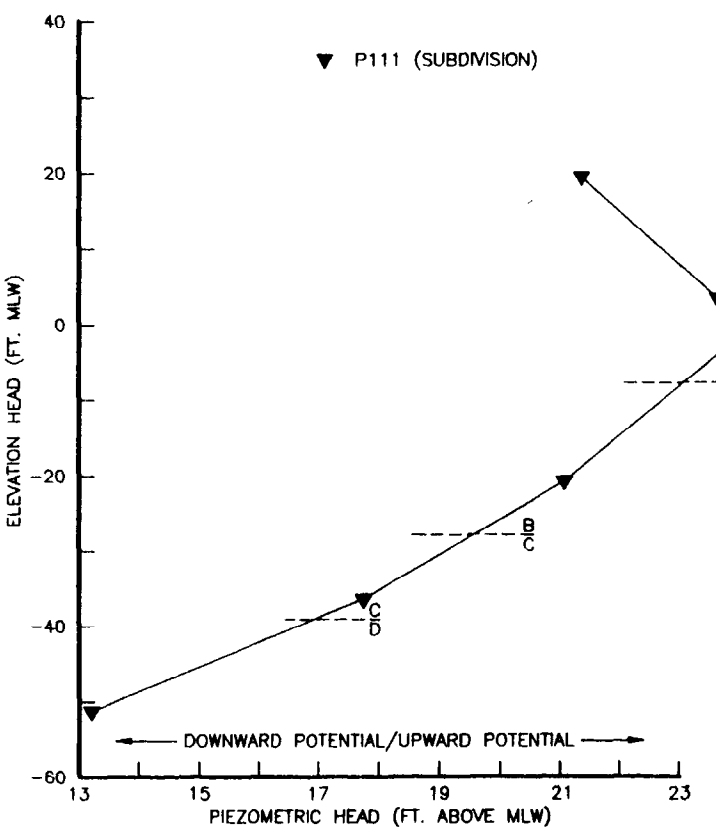
LAYER A = GRADED FINE SANDS WITH SILT AND CLAY

LAYER B = FINE SAND

LAYER C = GRADED FINE SANDS WITH SILT AND CLAY

LAYER D = FINE SANDS WITH SILT AND CLAY





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CHKD: LBH	APPD.: LBH	FIGURE NO.:	
DATE: 4-13-93	REV.:		

RFI INTERIM REPORT FOR SITE 11
NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA

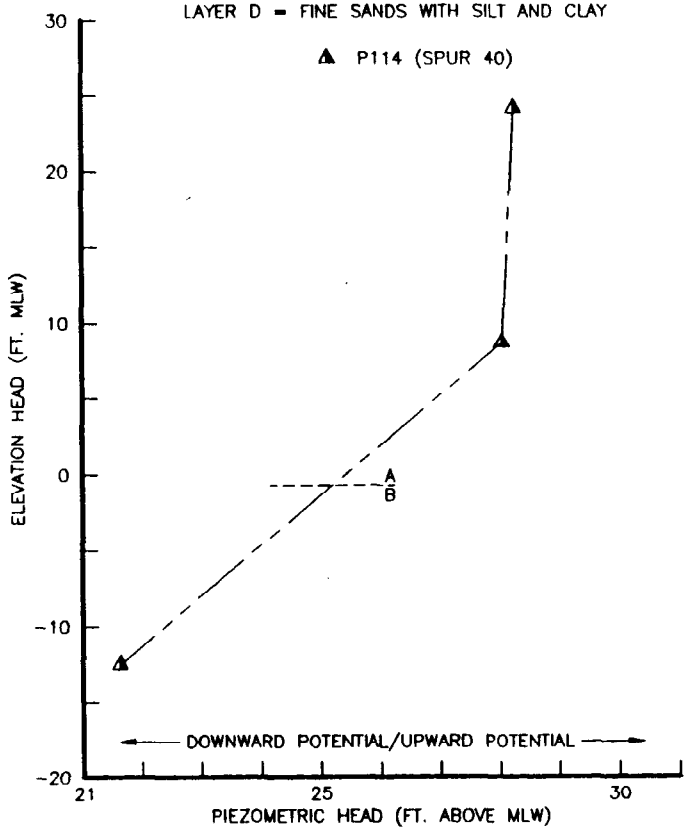
LEGEND

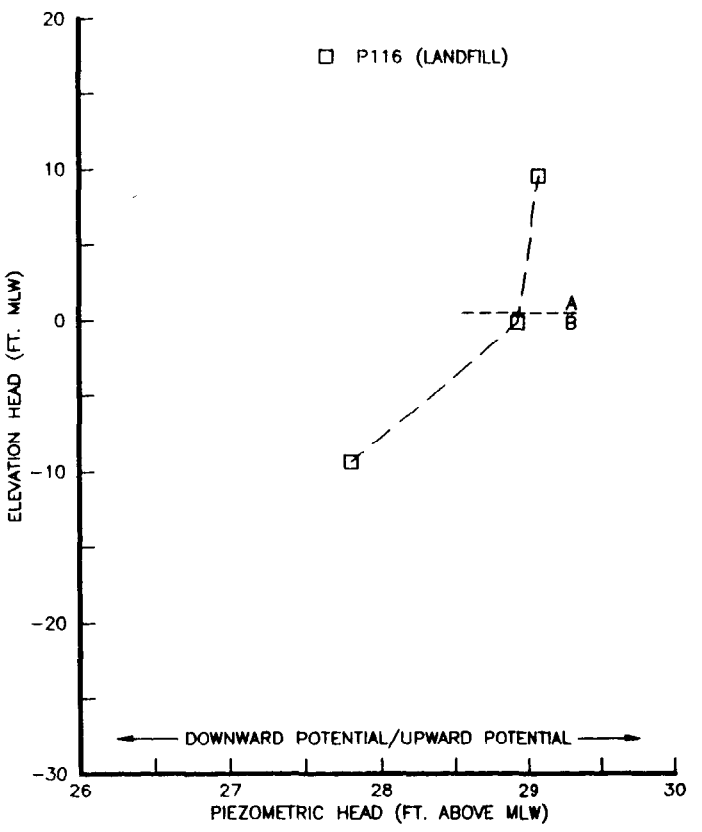
LAYER A = GRADED FINE SANDS WITH SILT AND CLAY

LAYER B = FINE SAND

LAYER C = GRADED FINE SANDS WITH SILT AND CLAY

LAYER D = FINE SANDS WITH SILT AND CLAY





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CHKD: LBH	APPD.: LBH	FIGURE NO.:	
DATE: 4-13-93	REV.:		

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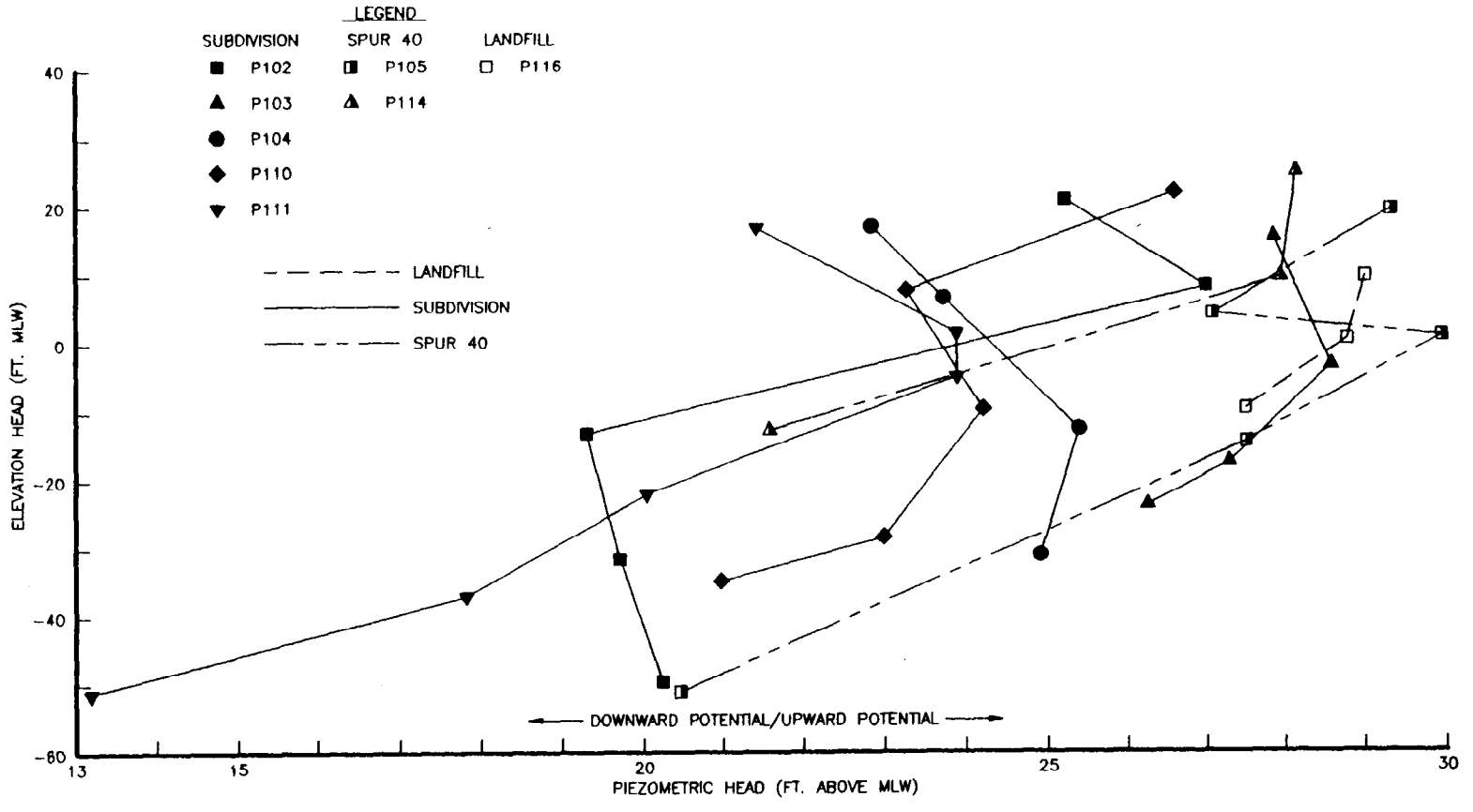
NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA



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CHKD: LBH	APPD.: LBH	FIGURE NO.:	
DATE: 4-13-93	REV.:		

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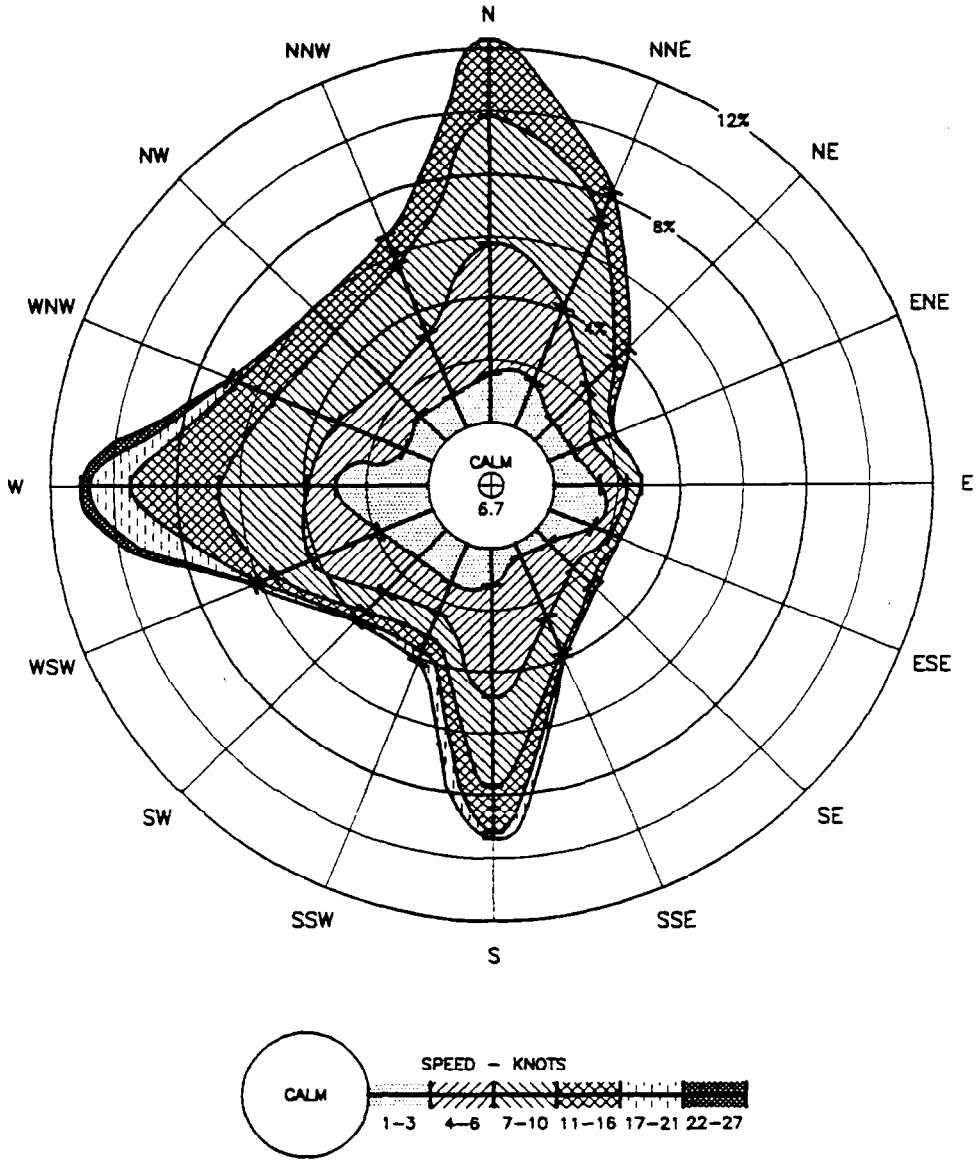
Appendix B

Wind Rose Diagrams



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CHKD: KMH	APPD.: LBH	FIGURE NO.: B–1	
DATE: 3–19–93	REV.:		

RI INTERIM REPORT FOR SITE 11
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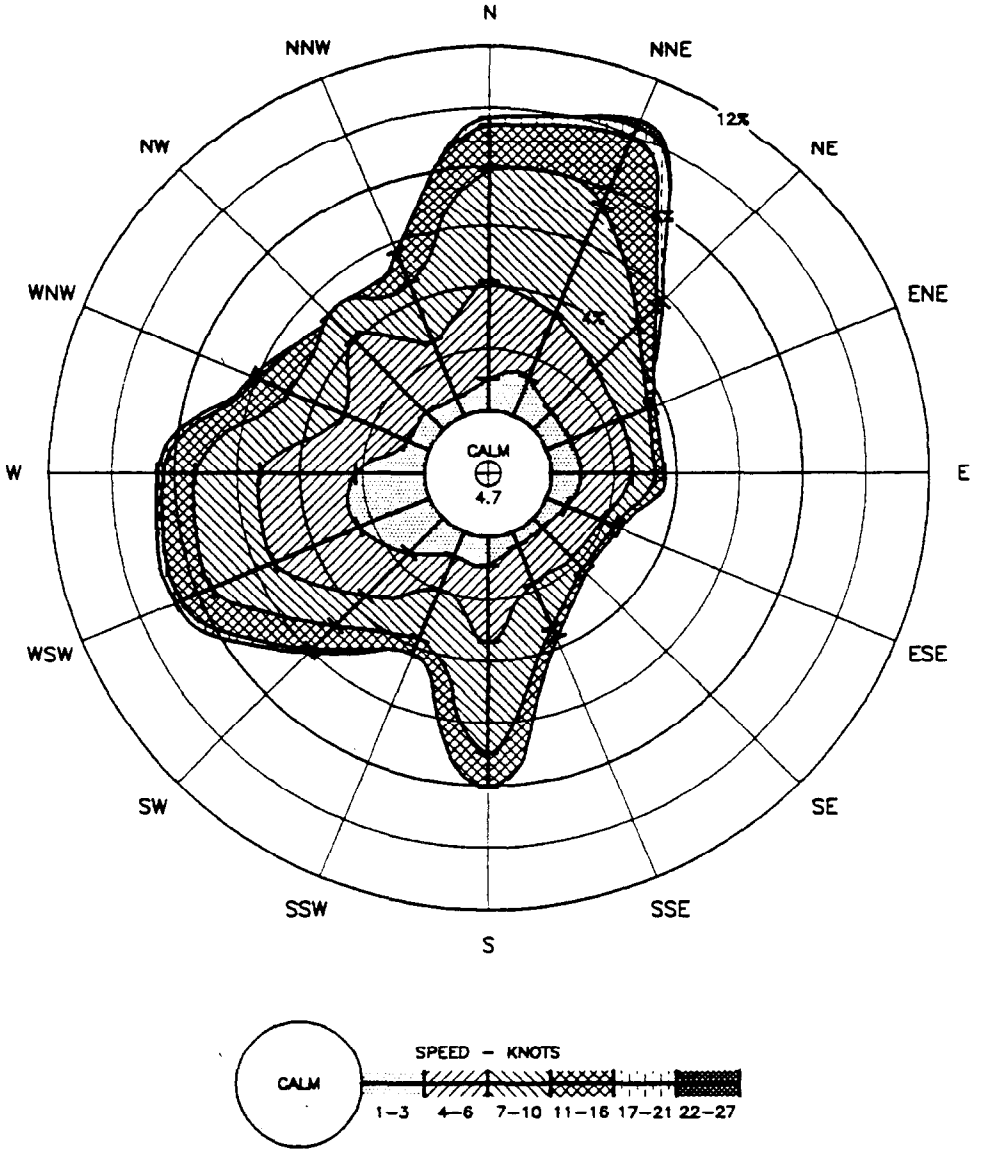

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DATE: 3–19–93	REV.:		

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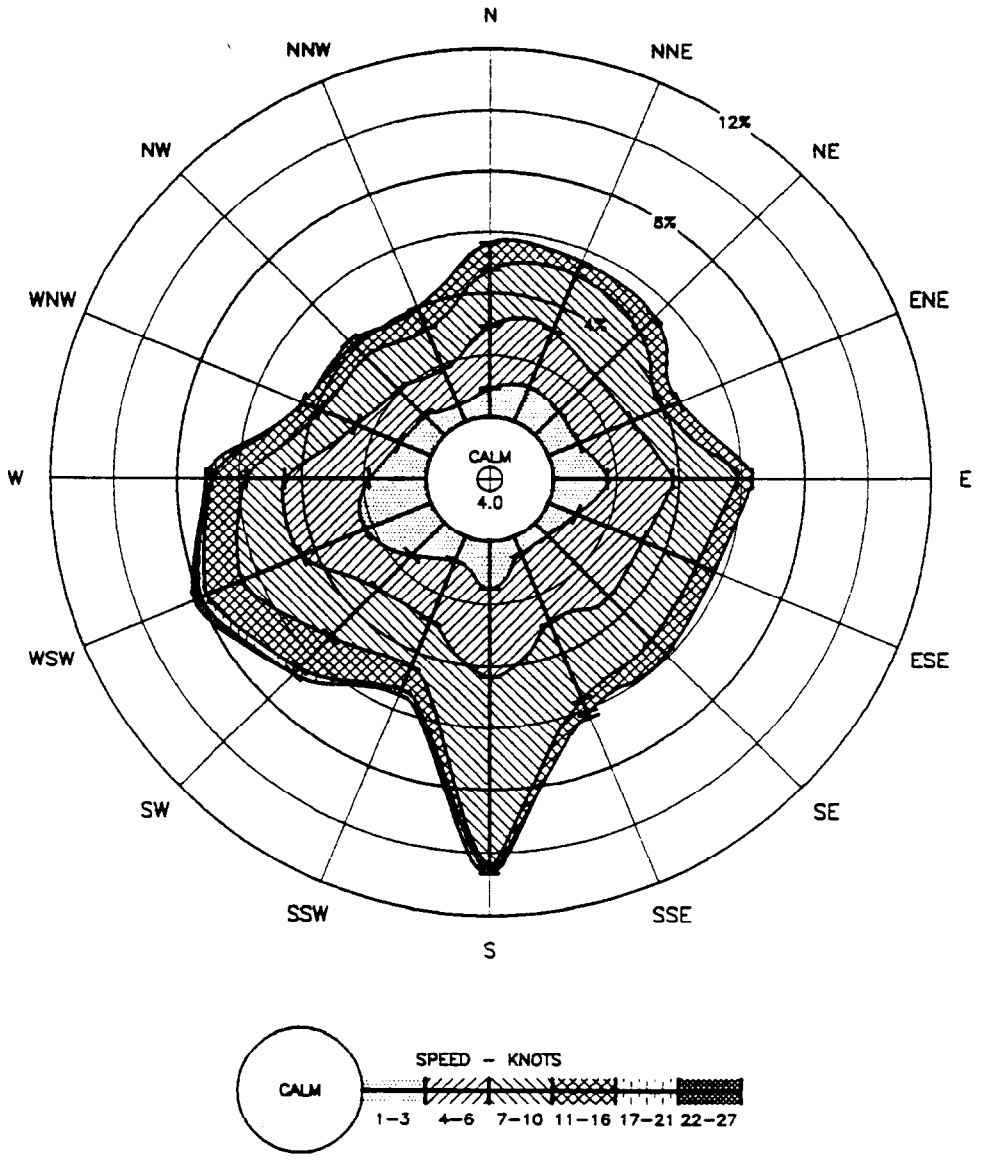
NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA



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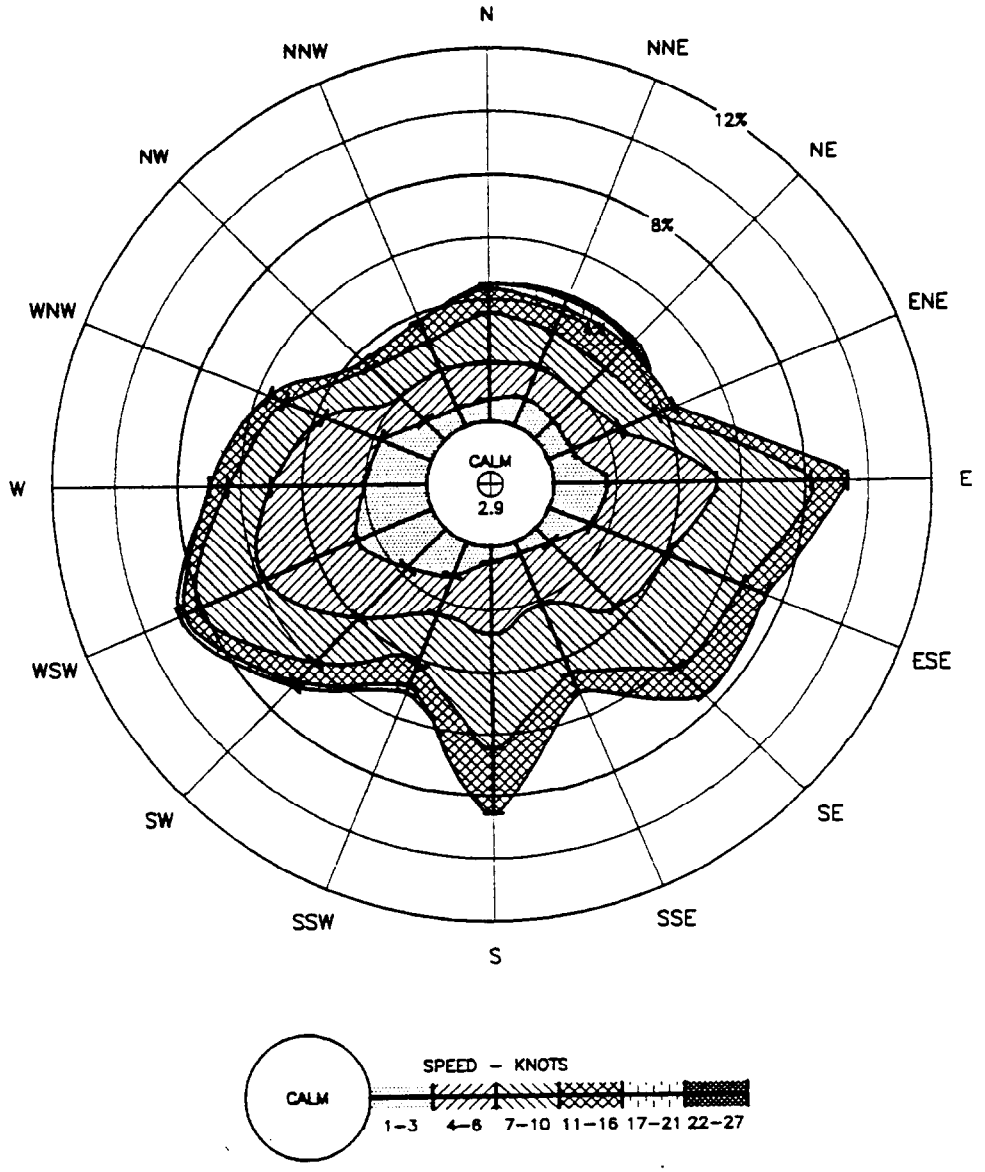
DATE: 3-19-93	REV.:		RFI INTERIM REPORT FOR SITE 11 NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA



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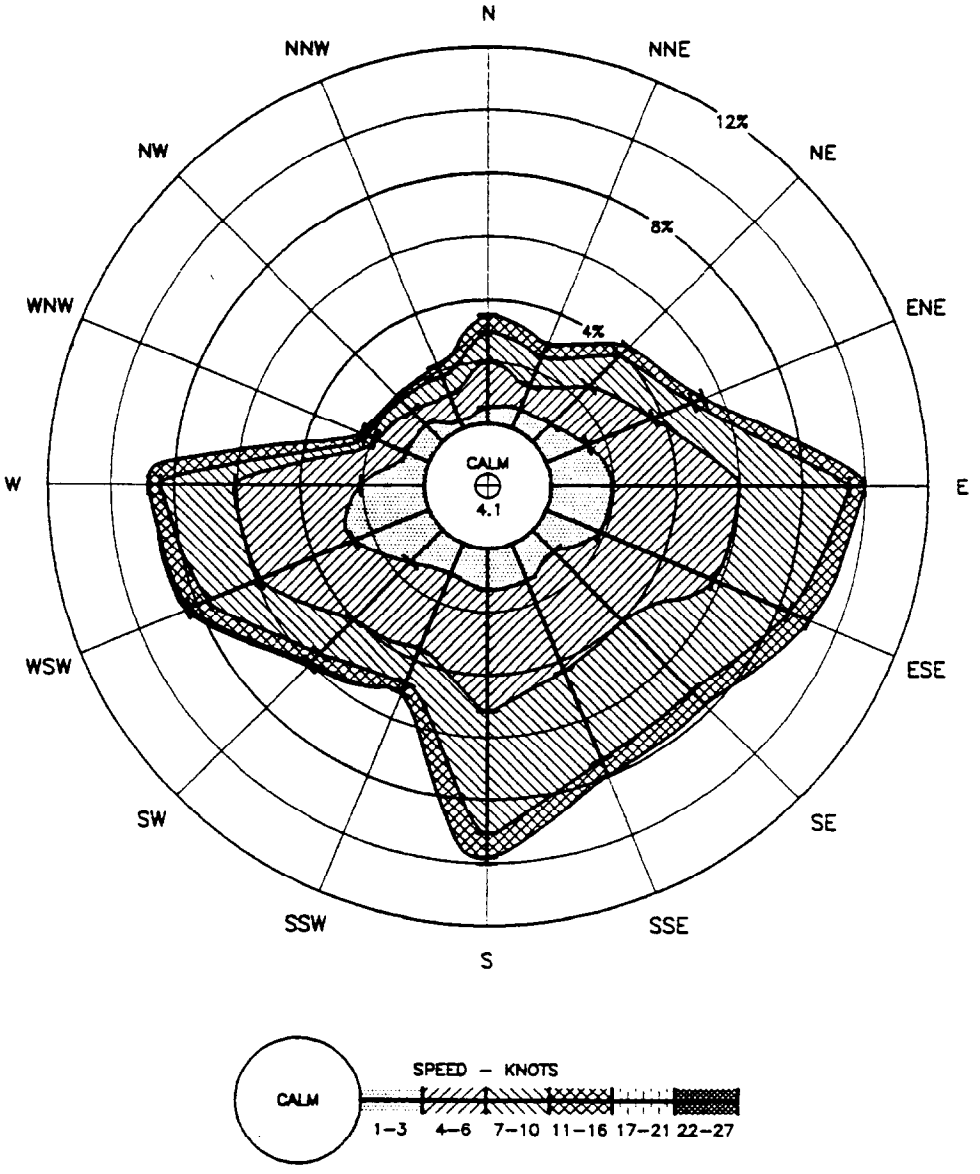
DATE: 3–19–93	REV.:		



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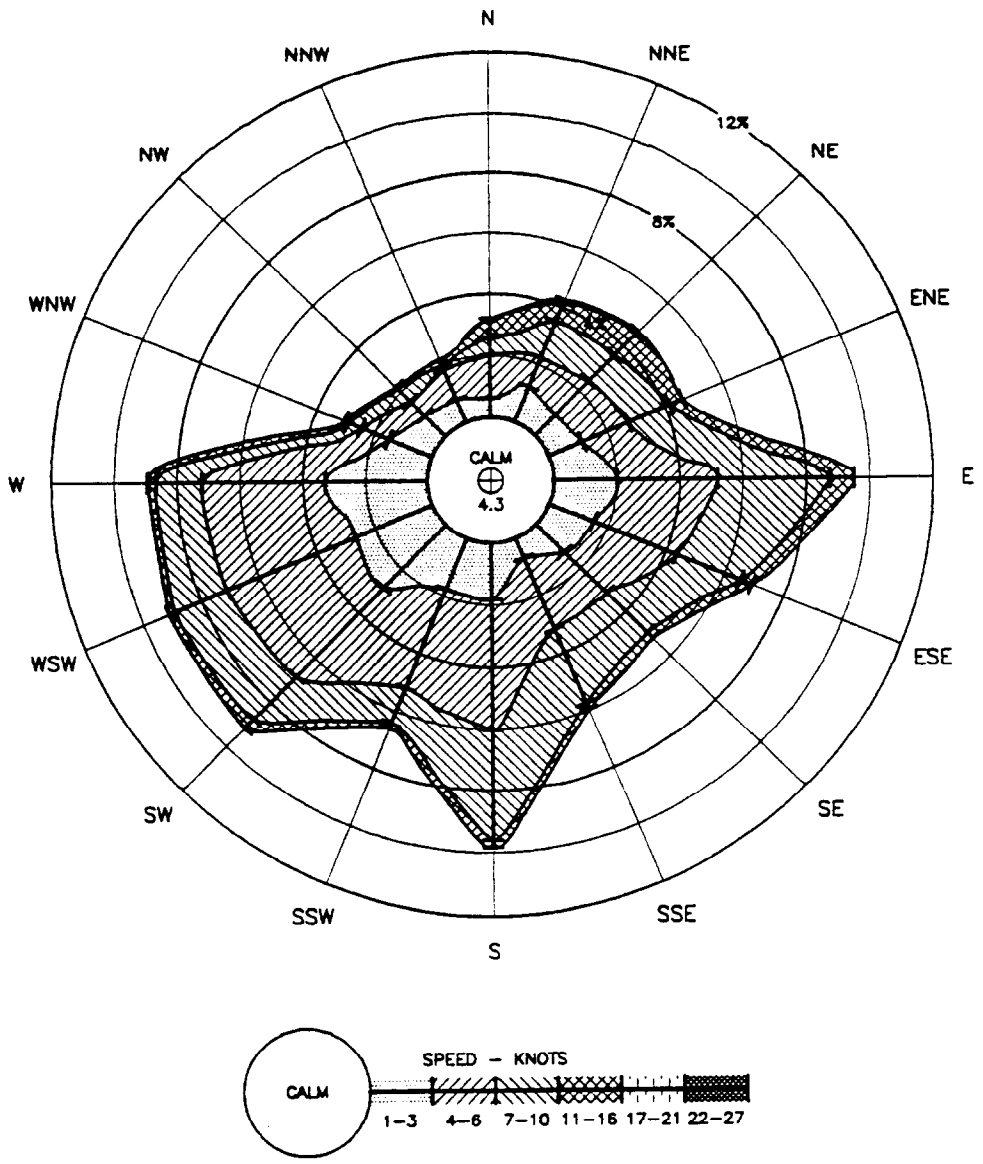
CHKD: KMH	APPD.: LBH	FIGURE NO.: B-5	
DATE: 3-19-93	REV.:		

RI INTERIM REPORT FOR SITE 11
NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA



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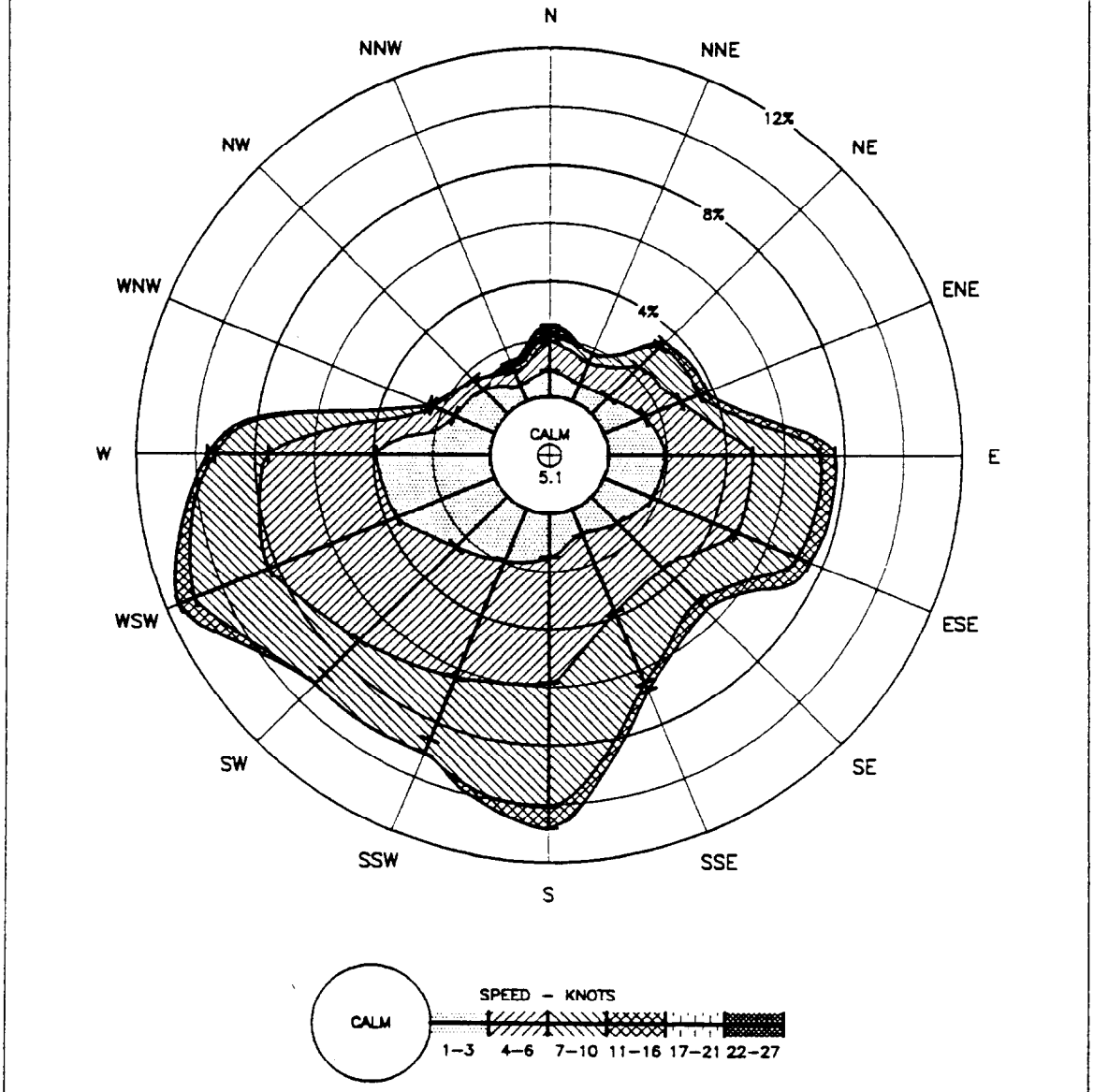
CHKD: KMH	APPD.: LBH	FIGURE NO.: B-6	
DATE: 3-19-93	REV.:		RI INTERIM REPORT FOR SITE 11 NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA



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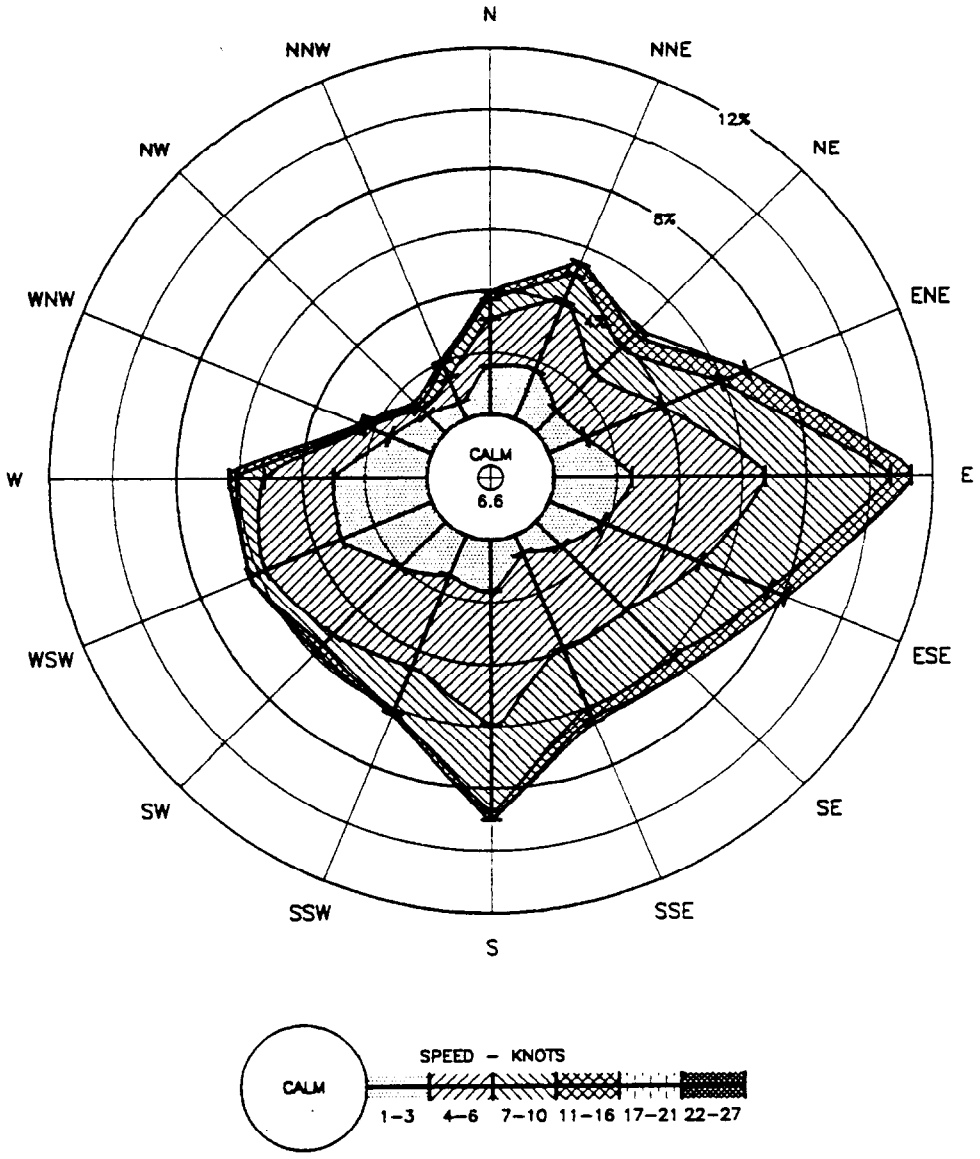
CHKD: KMH	APPD.: LBH	FIGURE NO.: B-7	
DATE: 3-19-93	REV.:		RFI INTERIM REPORT FOR SITE 11 NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA



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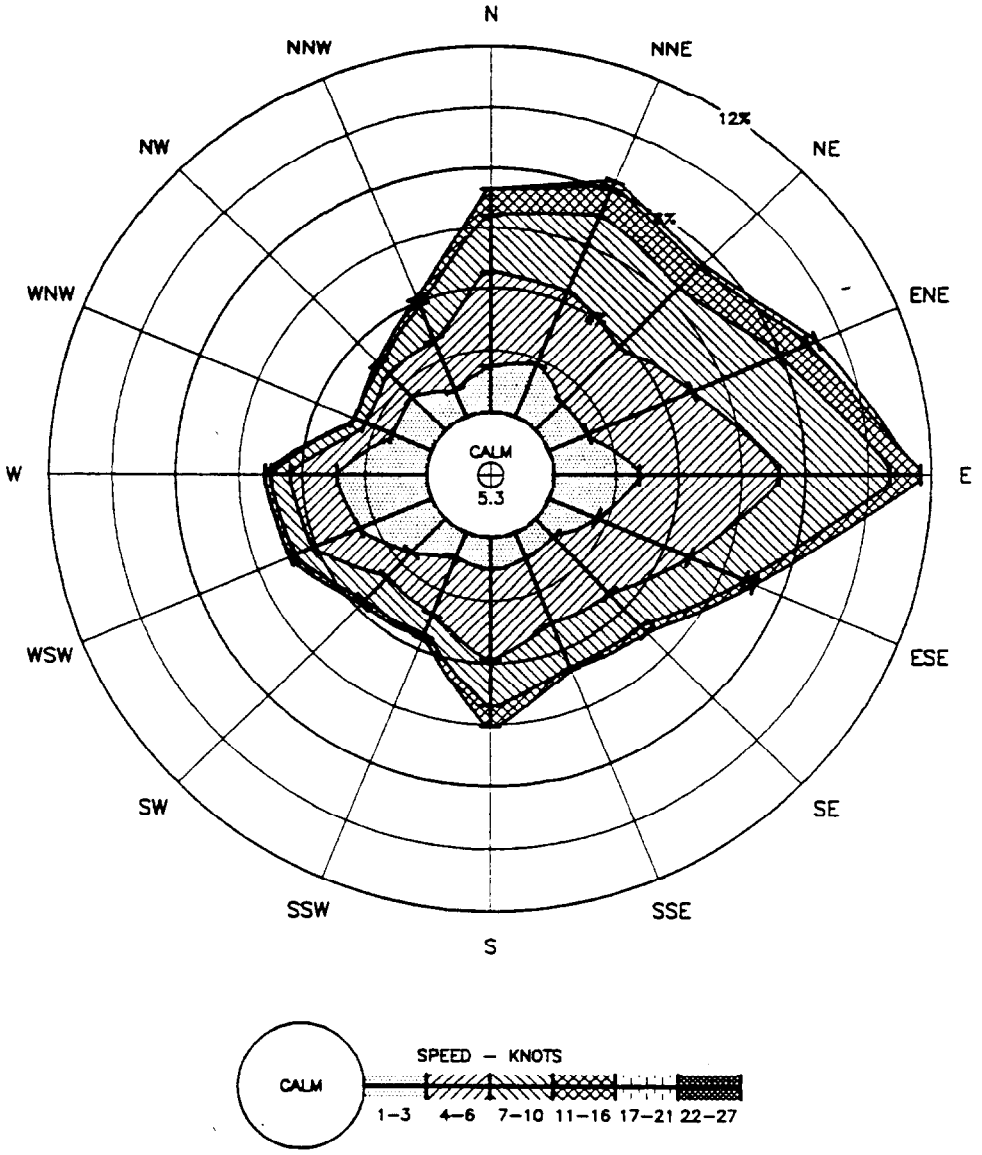
CHKD: KMH	APPD.: LBH	FIGURE NO.: B–8	
DATE: 3–19–93	REV.:		RI/FS INTERIM REPORT FOR SITE 11 NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA



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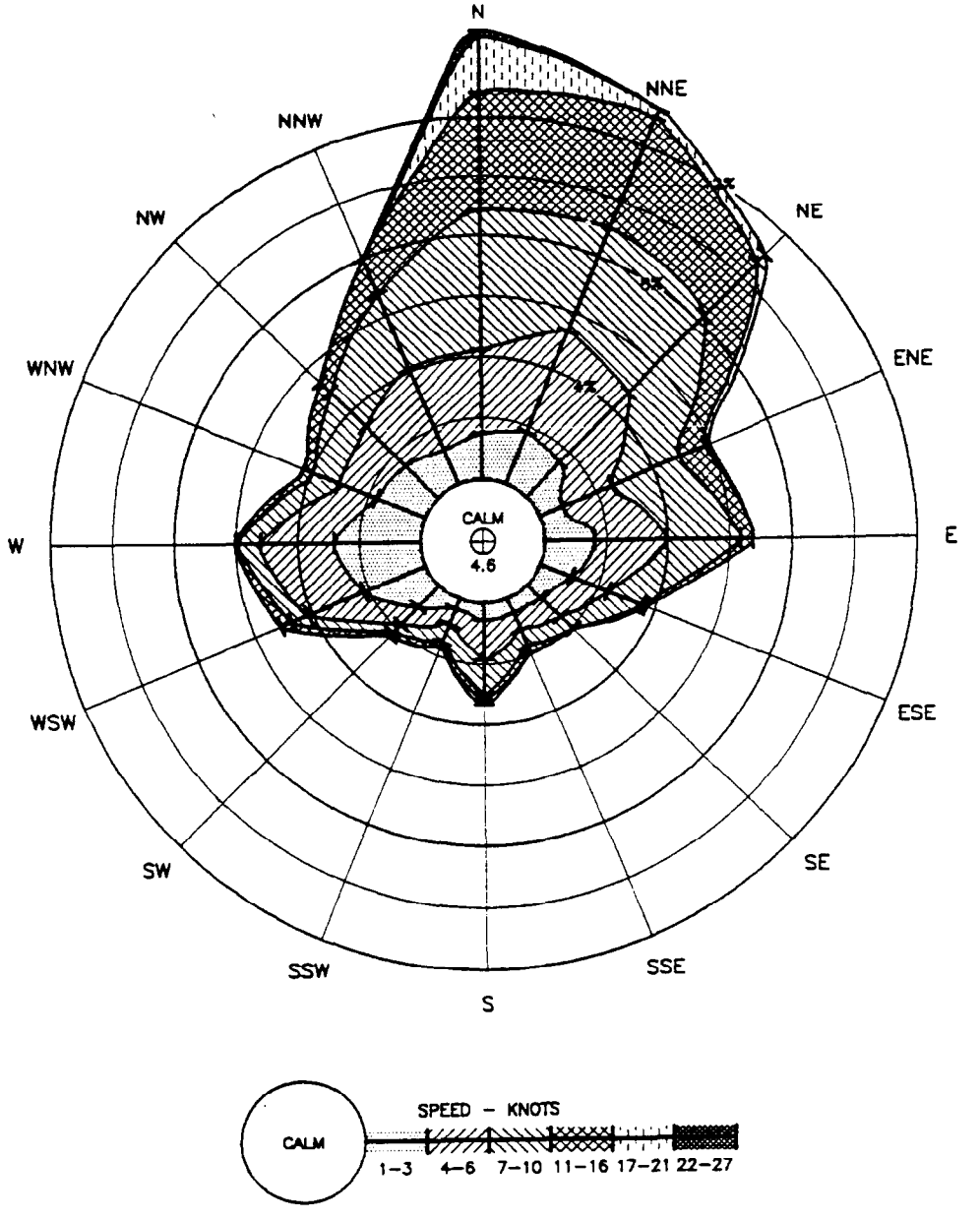
CHKD: KMH	APPD.: LBH	FIGURE NO.: B-9	
DATE: 3-19-93	REV.:		RFI INTERIM REPORT FOR SITE 11 NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA



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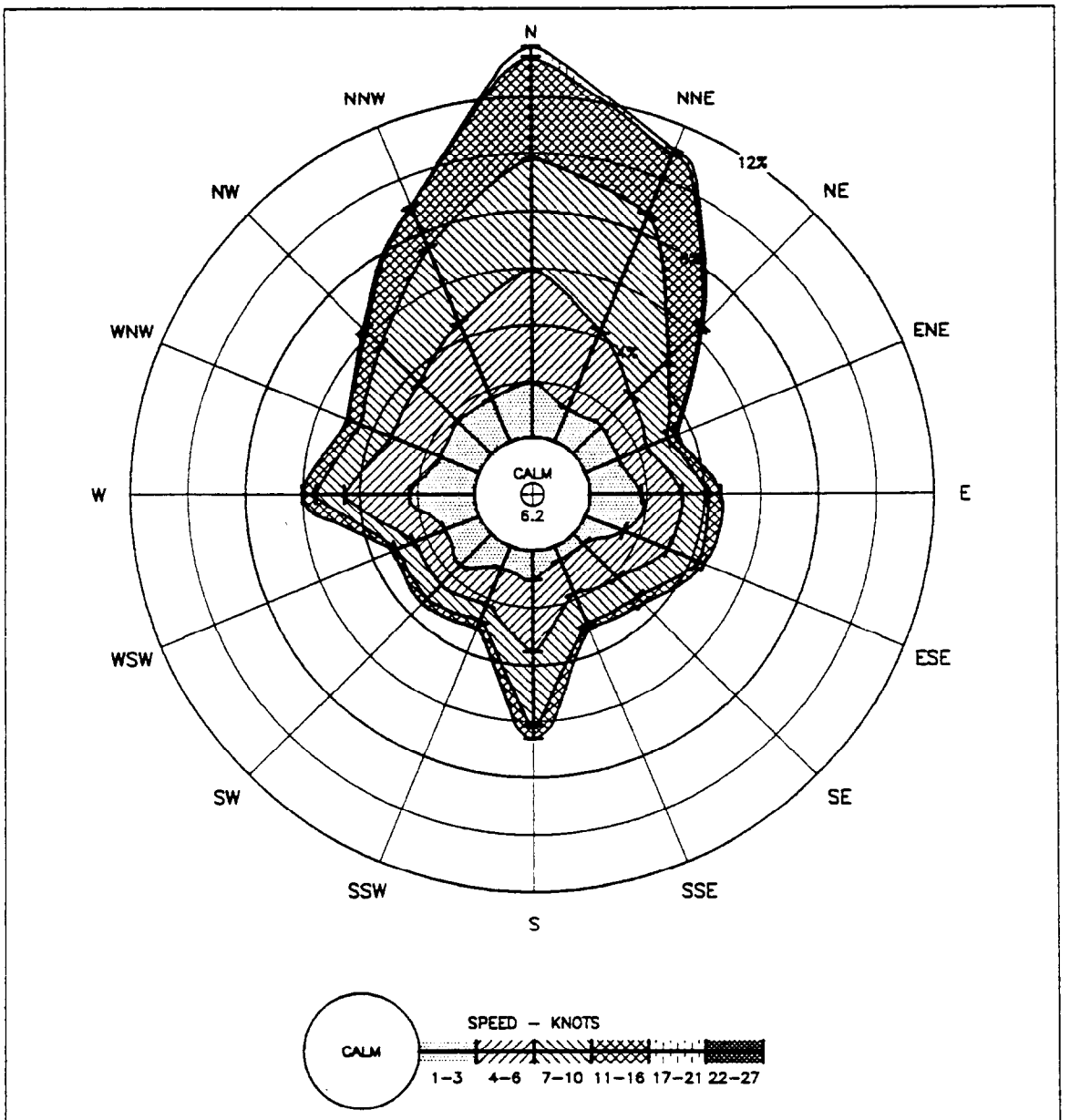
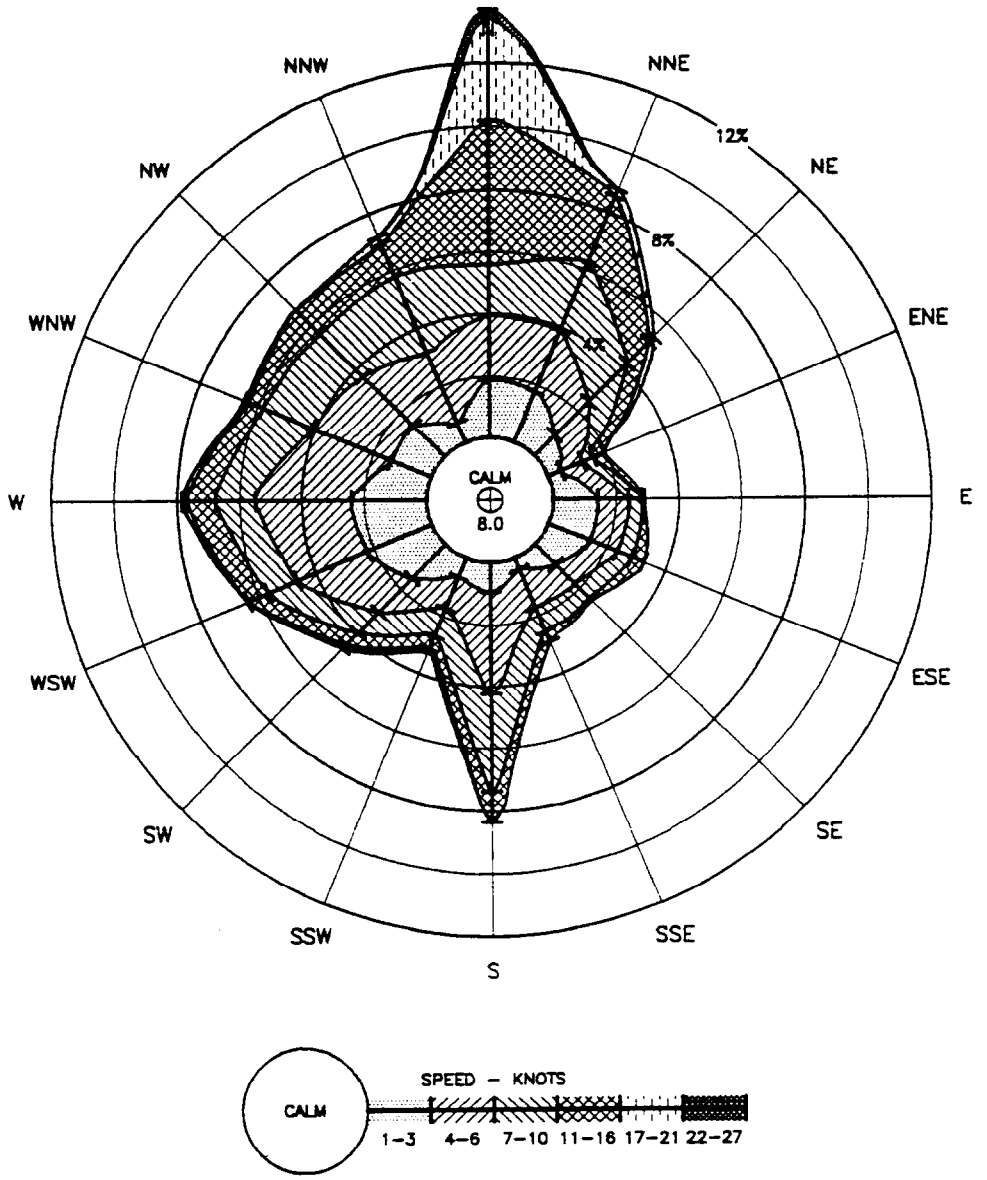
CHKD: KMH	APPD.: LBH	FIGURE NO.: B-10	
DATE: 3-19-93	REV.:		

RI/FS INTERIM REPORT FOR SITE 11
NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA



DWN: DMF	DES: DMF	PROJECT NO.: 7553–09	TITLE: WIND ROSE JACKSONVILLE, FL., 1973–1982 NOVEMBER
CHKD: KMH	APPD.: LBH	FIGURE NO.: B–11	
DATE: 3–19–93	REV.:		

RPI INTERIM REPORT FOR SITE 11 NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA



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CHKD: KMH	APPD.: LBH	FIGURE NO.: B–12	
DATE: 3–19–93	REV.:		RI/FS INTERIM REPORT FOR SITE 11 NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA

Appendix C

Validated Analytical Data Tables

DEFINITION OF DATA QUALIFIERS

Organic Data Qualifiers

J - Indicates an estimated concentration because results are either below the concentration required detection level (CRQL) or quality control criteria were not met.

U - Indicates that compound was analyzed but not detected.

UJ - Indicates that quantitation level was estimated because QC criteria were not met.

NJ - Presumptive evidence for the presence of a compound at an estimated value.

E - Indicates that the analyte concentration exceeded the calibration range of the GC/MS and re-analysis of diluted sample within calibration range.

D - Indicates that sample concentration was obtained by dilution to bring result within calibration range.

X - Total concentration of two indistinguishable isomers (i.e., 3-Methylphenol and 4-Methylphenol).

UR - Indicates that the reported detection limit is unusable because QA criteria were not met.

Inorganic Data Qualifiers

J - Indicates an estimated concentration because results are either below the concentration required detection level (CRQL) or quality control criteria were not met.

U - Indicates that compound was analyzed but not detected.

UJ - Indicates that quantitation level was estimated because QC criteria were not met.

E - The reported concentration is estimated because of the presence of an interference.

UR - Indicates that the reported detection limit is unusable because QC criteria were not met.

SOIL
SAMPLE EVENT NO. 1
FEBRUARY 1992

PROJECT: NSB KINGS BAY, GEORGIA

VOLATILE SOIL ANALYSES (ug/kg)

Validation/Summary Table

ANALYTE	CRQL	11-SB-01	11-SB-02	11-SB-03	11-SB-03D	11-SB-04	11-SB-05	11-SB-06
SAMPLE LOCATION:		11-SB-01	11-SB-02	11-SB-03	11-SB-03D	11-SB-04	11-SB-05	11-SB-06
LAB NUMBER:		S20867008	S20873001	S20873002	S20873003	S20873004	S20873005	S20873006
DATE SAMPLED:		02/09/92	02/10/92	02/10/92	02/10/92	02/10/92	02/10/92	02/10/92
DATE ANALYZED:		02/13/92	02/18/92	02/18/92	02/18/92	02/18/92	02/18/92	02/18/92
% SOLIDS:		80.0	80.0	79.0	80.0	78.0	82.0	79.0
DILUTION FACTOR:		1.0	1.0	1.0	1.0	1.0	1.0	1.0
Chloromethane	10	12 U	12 U	13 U	12 U	13 U	12 U	13 U
Bromomethane	10	12 U	12 U	13 U	12 U	13 U	12 U	13 U
Vinyl Chloride	10	12 U	12 U	13 U	12 U	13 U	12 U	13 U
Chloroethane	10	12 U	12 U	13 U	12 U	13 U	12 U	13 U
Methylene Chloride	5	36 U	43 U	39 U	41 U	39 U	28 U	37 U
Acetone	10	48 U	470	96	210	470	190	150
Carbon Disulfide	5	6 U	6 U	6 U	6 U	6 U	6 U	2 J
Trichlorofluoromethane	5	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,1-Dichloroethene	5	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,1-Dichloroethane	5	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,2-Dichloroethene (total)	5	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Chloroform	5	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,2-Dichloroethane	5	6 U	6 U	6 U	6 U	6 U	6 U	6 U
2-Butanone	10	12 U	12 U	13 U	12 U	13 U	12 U	13 U
1,1,1-Trichloroethane	5	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Carbon Tetrachloride	5	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Vinyl Acetate	10	12 U	12 U	13 U	12 U	13 U	12 U	13 U
Bromodichloromethane	5	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,2-Dichloropropane	5	6 U	6 U	6 U	6 U	6 U	6 U	6 U
cis-1,3-Dichloropropene	5	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Trichloroethene	5	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Dibromochloromethane	5	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,1,2-Trichloroethane	5	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Benzene	5	6 U	6 U	6 U	6 U	6 U	6 U	6 U
trans-1,3-Dichloropropene	5	6 U	6 U	6 U	6 U	6 U	6 U	6 U
2-Chloroethylvinylether	10	12 U	12 U	13 U	12 U	13 U	12 U	13 U
Bromoform	5	6 U	6 U	6 U	6 U	6 U	6 U	6 U
2-Hexanone	10	12 U	12 U	13 U	12 U	13 U	12 U	13 U
4-Methyl-2-Pentanone	10	12 U	12 U	13 U	12 U	13 U	12 U	13 U
Tetrachloroethene	5	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,1,2,2-Tetrachloroethane	5	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Toluene	5	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Chlorobenzene	5	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Ethylbenzene	5	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Styrene	5	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Xylene (total)	5	6 U	6 U	6 U	6 U	6 U	2 J	6 U
1,3-Dichlorobenzene	5	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,4-Dichlorobenzene	5	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,2-Dichlorobenzene	5	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Acrolein	100	120 U	120 U	130 U	120 U	130 U	120 U	130 U
Iodomethane	10	12 U	12 U	13 U	12 U	13 U	12 U	13 U
Acrylonitrile	100	120 U	120 U	130 U	120 U	130 U	120 U	130 U
Dibromomethane	5	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Ethyl Methacrylate	5	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,2,3-Trichloropropane	5	6 U	6 U	6 U	6 U	6 U	6 U	6 U

PROJECT: NSB KINGS BAY, GEORGIA

VOLATILE SOIL ANALYSES (ug/kg)

Validation/Summary Table

	SAMPLE LOCATION:	11-SB-01	11-SB-02	11-SB-03	11-SB-03D	11-SB-04	11-SB-05	11-SB-06
	LAB NUMBER:	S20867008	S20873001	S20873002	S20873003	S20873004	S20873005	S20873006
	DATE SAMPLED:	02/09/92	02/10/92	02/10/92	02/10/92	02/10/92	02/10/92	02/10/92
	DATE ANALYZED:	02/13/92	02/18/92	02/18/92	02/18/92	02/18/92	02/18/92	02/18/92
	% SOLIDS:	80.0	80.0	79.0	80.0	78.0	82.0	79.0
	DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0	1.0	1.0
ANALYTE	CRQL							
trans-1,4-Dichloro-2-Butene	5	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Acetonitrile	100	120 UJ	120 UJ	130 UJ	120 UJ	130 UJ	120 UJ	130 UJ
3-Chloropropene	5	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ
Propionitrile	100	120 UJ	120 UJ	130 UJ	120 UJ	130 UJ	120 UJ	130 UJ
Methacrylonitrile	5	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ
1,4-Dioxane	200	250 UJ	250 U	250 U	250 U	260 U	240 U	250 U
Methyl Methacrylate	10	12 UJ	12 UJ	13 UJ	12 UJ	13 UJ	12 UJ	13 UJ
1,2-Dibromoethane	5	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ
1,1,1,2-Tetrachloroethane	5	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ
1,2-Dibromo-3-Chloropropane	10	12 UJ	12 UJ	13 UJ	12 UJ	13 UJ	12 UJ	13 UJ
Pentachloroethane	10	12 UJ	12 UJ	13 UJ	12 UJ	13 UJ	12 UJ	13 UJ
Isobutyl alcohol	200	250 UJ	250 UJ	250 UJ	250 UJ	260 UJ	240 UJ	250 UJ
Chloroprene	200	250 UJ	250 UJ	250 UJ	250 UJ	260 UJ	240 UJ	250 U

PROJECT: NSB KINGS BAY, GEORGIA

VOLATILE SOIL ANALYSES (ug/kg)

Validation/Summary Table

	SAMPLE LOCATION:	11-SB-07	11-SB-08	11-SB-09
	LAB NUMBER:	S20873007	S20867009	S20867007
	DATE SAMPLED:	02/10/92	02/09/92	02/09/92
	DATE ANALYZED:	02/18/92	02/13/92	02/13/92
	% SOLIDS:	79.0	90.0	78.0
	DILUTION FACTOR:	1.0	1.0	1.0
ANALYTE	CRQL			
Chloromethane	10	13 U	11 U	13 U
Bromomethane	10	13 U	11 U	13 U
Vinyl Chloride	10	13 U	11 U	13 U
Chloroethane	10	13 U	11 U	13 U
Methylene Chloride	5	32 U	24 U	50 U
Acetone	10	100	48 U	29 U
Carbon Disulfide	5	6 U	6 U	6 U
Trichlorofluoromethane	5	6 U	6 U	6 U
1,1-Dichloroethene	5	6 U	6 U	6 U
1,1-Dichloroethane	5	6 U	6 U	6 U
1,2-Dichloroethene (total)	5	6 U	6 U	6 U
Chloroform	5	6 U	6 U	6 U
1,2-Dichloroethane	5	6 U	6 U	6 U
2-Butanone	10	13 U	11 U	13 U
1,1,1-Trichloroethane	5	6 U	6 U	6 U
Carbon Tetrachloride	5	6 U	6 U	6 U
Vinyl Acetate	10	13 U	11 U	13 U
Bromodichloromethane	5	6 U	6 U	6 U
1,2-Dichloropropane	5	6 U	6 U	6 U
cis-1,3-Dichloropropene	5	6 U	6 U	6 U
Trichloroethene	5	6 U	6 U	6 U
Dibromochloromethane	5	6 U	6 U	6 U
1,1,2-Trichloroethane	5	6 U	6 U	6 U
Benzene	5	6 U	6 U	6 U
trans-1,3-Dichloropropene	5	6 U	6 U	6 U
2-Chloroethylvinylether	10	13 U	11 U	13 U
Bromoform	5	6 U	6 U	6 U
2-Hexanone	10	13 U	11 U	13 U
4-Methyl-2-Pentanone	10	13 U	11 U	13 U
Tetrachloroethene	5	6 U	6 U	6 U
1,1,2,2-Tetrachloroethane	5	6 U	6 U	6 U
Toluene	5	6 U	6 U	6 U
Chlorobenzene	5	6 U	6 U	6 U
Ethylbenzene	5	6 U	6 U	6 U
Styrene	5	6 U	6 U	6 U
Xylene (total)	5	6 U	6 U	5
1,3-Dichlorobenzene	5	6 U	6 U	6 U
1,4-Dichlorobenzene	5	6 U	6 U	6 U
1,2-Dichlorobenzene	5	6 U	6 U	6 U
Acrolein	100	130 U	110 U	130 U
Iodomethane	10	13 U	11 U	13 U
Acrylonitrile	100	130 U	110 U	130 U
Dibromomethane	5	6 U	6 U	6 U
Ethyl Methacrylate	5	6 U	6 U	6 U
1,2,3-Trichloropropane	5	6 U	6 U	6 U

PROJECT: NSB KINGS BAY, GEORGIA

VOLATILE SOIL ANALYSES (ug/kg)

Validation/Summary Table

	SAMPLE LOCATION:	11-SB-07	11-SB-08	11-SB-09
	LAB NUMBER:	S20873007	S20867009	S20867007
	DATE SAMPLED:	02/10/92	02/09/92	02/09/92
	DATE ANALYZED:	02/18/92	02/13/92	02/13/92
	% SOLIDS:	79.0	90.0	78.0
	DILUTION FACTOR:	1.0	1.0	1.0
ANALYTE	CRQL			
trans-1,4-Dichloro-2-Butene	5	6 U	6 U	6 U
Acetonitrile	100	130 UJ	110 UJ	130 UJ
3-Chloropropene	5	6 UJ	6 UJ	6 UJ
Propionitrile	100	130 UJ	110 UJ	130 UJ
Methacrylonitrile	5	6 UJ	6 UJ	6 UJ
1,4-Dioxane	200	250 U	220 UJ	260 U
Methyl Methacrylate	10	13 UJ	11 UJ	13 UJ
1,2-Dibromoethane	5	6 UJ	6 UJ	6 UJ
1,1,1,2-Tetrachloroethane	5	6 UJ	6 UJ	6 UJ
1,2-Dibromo-3-Chloropropane	10	13 UJ	11 UJ	13 UJ
Pentachloroethane	10	13 UJ	11 UJ	13 UJ
Isobutyl alcohol	200	250 UJ	220 UJ	260 UJ
Chloroprene	200	250 U	220 UJ	260 UJ

PROJECT: NSB KINGS BAY, GEORGIA

SEMIVOLATILE SOIL ANALYSES (ug/kg)

Validation/Summary Table

	SAMPLE LOCATION:	11-SB-01	11-SB-02	11-SB-03	11-SB-03D	11-SB-04	11-SB-05	11-SB-06
	LAB NUMBER:	S20867008	S20873001	S20873002	S20873003	S20873004	S20873005	S20873006
	DATE SAMPLED:	02/09/92	02/10/92	02/10/92	02/10/92	02/10/92	02/10/92	02/10/92
	DATE ANALYZED:	03/02/92	02/24/92	02/24/92	02/24/92	02/25/92	02/25/92	02/25/92
	DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	SOLIDS:	80.0	82.0	79.0	79.0	80.0	81.0	80.0
SEMIVOLATILES -- METHOD 8270								
ANALYTE	CRQL							
N-Nitrosodimethylamine	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
Phenol	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
Aniline	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
bis (2-Chloroethyl) Ether	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
2- Chlorophenol	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
1,3- Dichlorobenzene	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
1,4- Dichlorobenzene	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
Benzyl Alcohol	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
1,2- Dichlorobenzene	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
2- Methylphenol	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
bis (2- Chloroisopropyl) Ether	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
4-Methylphenol	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
N-Nitroso-Di-n-Propylamine	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
Hexachloroethane	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
Nitrobenzene	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
Isophorone	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
2-Nitrophenol	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
2,4-Dimethylphenol	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
Benzoic Acid	1600	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U
bis (2-Chloroethoxy) Methane	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
2,4-Dichlorophenol	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
1,2,4-Trichlorobenzene	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
Naphthalene	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
4-Chloroaniline	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
Hexachlorobutadiene	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
4-Chloro-3-Methylphenol	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
2-Methylnaphthalene	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
Hexachlorocyclopentadiene	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
2,4,6-Trichlorophenol	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
2,4,5-Trichlorophenol	1600	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U
2-Chloronaphthalene	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
2-Nitroaniline	1600	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U
Dimethylphthalate	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
Acenaphthylene	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
2,6-Dinitrotoluene	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
3-Nitroaniline	1600	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U
Acenaphthene	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
2,4-Dinitrophenol	1600	2000 U	2000 U	2000 U	2000 U	2000 UJ	2000 UJ	2000 UJ
4-Nitrophenol	1600	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U
Dibenzofuran	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
2,4-Dinitrotoluene	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
Diethylphthalate	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
4-Chlorophenyl-phenylether	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
Fluorene	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
4-Nitroaniline	1600	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U

PROJECT: NSB KINGS BAY, GEORGIA

SEMIVOLATILE SOIL ANALYSES (ug/kg)

Validation/Summary Table

SAMPLE LOCATION:		11-SB-01	11-SB-02	11-SB-03	11-SB-03D	11-SB-04	11-SB-05	11-SB-06
LAB NUMBER:		S20867008	S20873001	S20873002	S20873003	S20873004	S20873005	S20873006
DATE SAMPLED:		02/09/92	02/10/92	02/10/92	02/10/92	02/10/92	02/10/92	02/10/92
DATE ANALYZED:		03/02/92	02/24/92	02/24/92	02/24/92	02/25/92	02/25/92	02/25/92
DILUTION FACTOR:		1.0	1.0	1.0	1.0	1.0	1.0	1.0
SOLIDS:		80.0	82.0	79.0	79.0	80.0	81.0	80.0
SEMIVOLATILES -- METHOD 8270 (continued)								
ANALYTE	CRQL							
4,6-Dinitro-2-Methylphenol	1600	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U
N-Nitrosodiphenylamine	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
1,2-Diphenylhydrazine	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
4-Bromophenyl-phenylether	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
Hexachlorobenzene	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
Pentachlorophenol	1600	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U
Phenanthrene	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
Anthracene	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
Di-n-Butylphthalate	330	460 J	94 J	64 J	46 J	45 J	65 J	50 J
Fluoranthene	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
Pyrene	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
Butylbenzylphthalate	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
3,3'-Dichlorobenzidine	660	820 U	800 U	840 U	840 U	820 U	820 U	820 U
Benzo (a) Anthracene	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
Chrysene	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
bis (2-Ethylhexyl) Phthalate	330	200 J	400 U	420 U	420 U	410 U	410 U	410 U
Di-n-Octyl Phthalate	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
Benzo (b) Fluoranthene	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
Benzo (k) Fluoranthene	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
Benzo (a) Pyrene	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
Indeno (1,2,3-cd) Pyrene	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
Dibenz (a,h) Anthracene	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
Benzo (g,h,i) Perylene	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
2-Picoline	1600	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U
Methyl methanesulfonate	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
Ethyl methanesulfonate	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
Acetophenone	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
N-Nitrosopiperidine	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
Phenyl-tert-butylamine	1600	2000 UR	2000 UR	2000 UR	2000 UR	2000 UR	2000 UR	2000 UR
2,6-Dichlorophenol	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
N-Nitroso-di-n-butylamine	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
N-Nitrosodiethylamine	330	410 UJ	400 UJ	420 UJ	420 UJ	410 UJ	410 UJ	410 UJ
N-Nitrosopyrrolidine	330	410 UJ	400 UJ	420 UJ	420 UJ	410 UJ	410 UJ	410 UJ
Benzidine	1600	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U
1,2,4,5-Tetrachlorobenzene	1600	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U
Pentachlorobenzene	1600	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U
1-Naphthylamine	1600	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U
2-Naphthylamine	1600	2000 UJ	2000 UJ	2000 UJ	2000 UJ	2000 U	2000 U	2000 U
2,3,4,6-Tetrachlorophenol	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
Diphenylamine	330	410 UR	400 UR	420 UR	420 UR	410 UR	410 UR	410 UR
Phenacetin	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
4-Aminobiphenyl	1600	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U
Pentachloronitrobenzene	1600	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U
Pronamide	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
p-Dimethylaminoazobenzene	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
7,12-Dimethylbenz (a) Anthracene	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U

PROJECT: NSB KINGS BAY, GEORGIA

SEMIVOLATILE SOIL ANALYSES (ug/kg)

Validation/Summary Table

	SAMPLE LOCATION:	11-SB-01	11-SB-02	11-SB-03	11-SB-03D	11-SB-04	11-SB-05	11-SB-06
	LAB NUMBER:	S20867008	S20873001	S20873002	S20873003	S20873004	S20873005	S20873006
	DATE SAMPLED:	02/09/92	02/10/92	02/10/92	02/10/92	02/10/92	02/10/92	02/10/92
	DATE ANALYZED:	03/02/92	02/24/92	02/24/92	02/24/92	02/25/92	02/25/92	02/25/92
	DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	SOLIDS:	80.0	82.0	79.0	79.0	80.0	81.0	80.0
SEMIVOLATILES -- METHOD 8270 (continued)								
ANALYTE	CRQL							
3-Methylcholanthrene	330	410 U	400 U	420 U	420 U	410 U	410 U	410 U
Pyridine	1600	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U
N-Nitrosomethylethylamine	330	410 UJ	400 UJ	420 UJ	420 UJ	410 UJ	410 UJ	410 UJ
N-Nitrosomorpholine	330	410 UJ	400 UJ	420 UJ	420 UJ	410 UJ	410 UJ	410 UJ
o-Toluidine	330	410 UJ	400 UJ	420 UJ	420 UJ	410 UJ	410 UJ	410 UJ
3- Methylphenol	330	410 U	410 U	420 U	420 U	410 U	410 U	410 U
Hexachloropropene	1600	2000 UJ	2000 UJ	2000 UJ	2000 UJ	2000 UJ	2000 UJ	2000 UJ
p-Phenylenediamine	1600	2000 UJ	2000 UJ	2000 UJ	2000 UJ	2000 UJ	2000 UJ	2000 UJ
Safrole	1600	2000 UJ	2000 UJ	2000 UJ	2000 UJ	2000 UJ	2000 UJ	2000 UJ
Isosafrole	1600	2000 UJ	2000 UJ	2000 UJ	2000 UJ	2000 UJ	2000 UJ	2000 UJ
1,4-Naphthoquinone	1600	2000 UJ	2000 UJ	2000 UJ	2000 UJ	2000 UJ	2000 UJ	2000 UJ
1,3-Dinitrobenzene	330	410 UJ	400 UJ	420 UJ	420 UJ	410 UJ	410 UJ	410 UJ
5-Nitro-o-toluidine	330	410 UJ	400 UJ	420 UJ	420 UJ	410 UJ	410 UJ	410 UJ
1,3,5-Trinitrobenzene	330	410 UJ	400 UJ	420 UJ	420 UJ	410 UJ	410 UJ	410 UJ
4-Nitroquinoline-1-oxide	330	410 UJ	400 UJ	420 UJ	420 UJ	410 UJ	410 UJ	410 UJ
Methapyrilene	1600	2000 UJ	2000 UJ	2000 UJ	2000 UJ	2000 UJ	2000 UJ	2000 UJ
3,3'-Dimethylbenzidine	330	410 UJ	400 UJ	420 UJ	420 UJ	410 UJ	410 UJ	410 UJ
2-Acetamidofluorene	330	410 UJ	400 UJ	420 UJ	420 UJ	410 UJ	410 UJ	410 UJ
Hexachlorophene	1600	2000 UJ	2000 UJ	2000 UJ	2000 UJ	2000 UJ	2000 UJ	2000 UJ

POLYCHLORINATED DIBENZO- FURANS/DIOXINS -- METHOD 8280 (ug/kg)

	DATE ANALYZED:	02/17/92	02/17/92	02/17/92	02/17/92	02/17/92	02/17/92	02/17/92
ANALYTE	CRQL							
TCDFs (total)	------	0.041 U	0.0067 U	0.0095 U	0.0062 U	0.0042 U	0.0033 U	0.0022 U
PeCDFs (total)	------	0.073 U	0.016 U	0.020 U	0.014 U	0.0096 U	0.0084 U	0.0071 U
HxCDFs (total)	------	0.14 U	0.027 U	0.031 U	0.027 U	0.020 U	0.015 U	0.011 U
TCDDs (total)	------	0.054 U	0.0062 U	0.0086 U	0.0071 U	0.0040 U	0.0047 U	0.0054 U
2,3,7,8- TCDD	------	0.054 U	0.0062 U	0.0086 U	0.0071 U	0.0040 U	0.0047 U	0.0054 U
PeCDDs (total)	------	0.22 U	0.053 U	0.083 U	0.045 U	0.034 U	0.029 U	0.020 U
HxCDDs (total)	------	0.28 U	0.057 U	0.071 U	0.050 U	0.039 U	0.033 U	0.020 U

PROJECT: NSB KINGS BAY, GEORGIA

SEMIVOLATILE SOIL ANALYSES (ug/kg)

Validation/Summary Table

	SAMPLE LOCATION:	11-SB-07	11-SB-08	11-SB-09
	LAB NUMBER:	S20873007	S20867009	S20867007
	DATE SAMPLED:	02/10/92	02/09/92	02/09/92
	DATE ANALYZED:	02/25/92	02/25/92	02/25/92
	DILUTION FACTOR:	1.0	1.0	1.0
	SOLIDS:	82.0	87.0	74.0
SEMIVOLATILES -- METHOD 8270				
ANALYTE	CRQL			
N-Nitrosodimethylamine	330	400 U	380 U	450 U
Phenol	330	400 U	380 U	450 U
Aniline	330	400 U	380 U	450 U
bis (2-Chloroethyl) Ether	330	400 U	380 U	450 U
2- Chlorophenol	330	400 U	380 U	450 U
1,3- Dichlorobenzene	330	400 U	380 U	450 U
1,4- Dichlorobenzene	330	400 U	380 U	450 U
Benzyl Alcohol	330	400 U	380 U	450 U
1,2- Dichlorobenzene	330	400 U	380 U	450 U
2- Methylphenol	330	400 U	380 U	450 U
bis (2- Chloroisopropyl) Ether	330	400 U	380 U	450 U
4-Methylphenol	330	400 U	380 U	450 U
N-Nitroso-Di-n-Propylamine	330	400 U	380 U	450 U
Hexachloroethane	330	400 U	380 U	450 U
Nitrobenzene	330	400 U	380 U	450 U
Isophorone	330	400 U	380 U	450 U
2-Nitrophenol	330	400 U	380 U	450 U
2,4-Dimethylphenol	330	400 U	380 U	450 U
Benzoic Acid	1600	2000 U	1800 U	2200 U
bis (2-Chloroethoxy) Methane	330	400 U	380 U	450 U
2,4-Dichlorophenol	330	400 U	380 U	450 U
1,2,4-Trichlorobenzene	330	400 U	380 U	450 U
Naphthalene	330	400 U	380 U	450 U
4-Chloroaniline	330	400 U	380 U	450 U
Hexachlorobutadiene	330	400 U	380 U	450 U
4-Chloro-3-Methylphenol	330	400 U	380 U	450 U
2-Methylnaphthalene	330	400 U	380 U	450 U
Hexachlorocyclopentadiene	330	400 U	380 U	450 U
2,4,6-Trichlorophenol	330	400 U	380 U	450 U
2,4,5-Trichlorophenol	1600	2000 U	1800 U	2200 U
2-Chloronaphthalene	330	400 U	380 U	450 U
2-Nitroaniline	1600	2000 U	1800 U	2200 U
Dimethylphthalate	330	400 U	380 U	450 U
Acenaphthylene	330	400 U	380 U	450 U
2,6-Dinitrotoluene	330	400 U	380 U	450 U
3-Nitroaniline	1600	2000 U	1800 U	2200 U
Acenaphthene	330	400 U	380 U	450 U
2,4-Dinitrophenol	1600	2000 UJ	1800 U	2200 U
4-Nitrophenol	1600	2000 U	1800 U	2200 U
Dibenzofuran	330	400 U	380 U	450 U
2,4-Dinitrotoluene	330	400 U	380 U	450 U
Diethylphthalate	330	400 U	380 U	450 U
4-Chlorophenyl-phenylether	330	400 U	380 U	450 U
Fluorene	330	400 U	380 U	450 U
4-Nitroaniline	1600	2000 U	1800 U	2200 U

PROJECT: NSB KINGS BAY, GEORGIA

SEMIVOLATILE SOIL ANALYSES (ug/kg)

Validation/Summary Table

SAMPLE LOCATION:		11-SB-07	11-SB-08	11-SB-09
LAB NUMBER:		S20873007	S20867009	S20867007
DATE SAMPLED:		02/10/92	02/09/92	02/09/92
DATE ANALYZED:		02/25/92	02/25/92	02/25/92
DILUTION FACTOR:		1.0	1.0	1.0
SOLIDS:		82.0	87.0	74.0
SEMIVOLATILES -- METHOD 8270 (continued)				
ANALYTE	CRQL			
4,6-Dinitro-2-Methylphenol	1600	2000 U	1800 U	2200 U
N-Nitrosodiphenylamine	330	400 U	380 U	450 U
1,2-Diphenylhydrazine	330	400 U	380 U	450 U
4-Bromophenyl-phenylether	330	400 U	380 U	450 U
Hexachlorobenzene	330	400 U	380 U	450 U
Pentachlorophenol	1600	2000 U	1800 U	2200 U
Phenanthrene	330	400 U	380 U	450 U
Anthracene	330	400 U	380 U	450 U
Di-n-Butylphthalate	330	68 J	380 U	450 U
Fluoranthene	330	400 U	380 U	450 U
Pyrene	330	400 U	380 U	450 U
Butylbenzylphthalate	330	400 U	380 U	450 U
3,3'-Dichlorobenzidine	660	800 U	760 U	890 U
Benzo (a) Anthracene	330	400 U	380 U	450 U
Chrysene	330	400 U	380 U	450 U
bis (2-Ethylhexyl) Phthalate	330	400 U	340	230 J
Di-n-Octyl Phthalate	330	400 U	380 U	450 U
Benzo (b) Fluoranthene	330	400 U	380 U	450 U
Benzo (k) Fluoranthene	330	400 U	380 U	450 U
Benzo (a) Pyrene	330	400 U	380 U	450 U
Indeno (1,2,3-cd) Pyrene	330	400 U	380 U	450 U
Dibenz (a,h) Anthracene	330	400 U	380 U	450 U
Benzo (g,h,i) Perylene	330	400 U	380 U	450 U
2-Picoline	1600	2000 U	1800 U	2200 U
Methyl methanesulfonate	330	400 U	380 U	450 U
Ethyl methanesulfonate	330	400 U	380 U	450 U
Acetophenone	330	400 U	380 U	450 U
N-Nitrosopiperidine	330	400 U	380 U	450 U
Phenyl-tert-butylamine	1600	2000 UR	1800 UR	2200 UR
2,6-Dichlorophenol	330	400 U	380 U	450 U
N-Nitroso-di-n-butylamine	330	400 U	380 U	450 U
N-Nitrosodiethylamine	330	400 UJ	380 UJ	450 UJ
N-Nitrosopyrrolidine	330	400 UJ	380 UJ	450 UJ
Benzidine	1600	2000 U	1800 U	2200 U
1,2,4,5-Tetrachlorobenzene	1600	2000 U	1800 U	2200 U
Pentachlorobenzene	1600	2000 U	1800 U	2200 U
1-Naphthylamine	1600	2000 U	1800 U	2200 U
2-Naphthylamine	1600	2000 U	1800 U	2200 U
2,3,4,6-Tetrachlorophenol	330	400 U	380 U	450 U
Diphenylamine	330	400 UR	380 UR	450 UR
Phenacetin	330	400 U	380 U	450 U
4-Aminobiphenyl	1600	2000 U	1800 U	2200 U
Pentachloronitrobenzene	1600	2000 U	1800 U	2200 U
Pronamide	330	400 U	380 U	450 U
p-Dimethylaminoazobenzene	330	400 U	380 U	450 U
7,12-Dimethylbenz (a) Anthracene	330	400 U	380 U	450 U

PROJECT: NSB KINGS BAY, GEORGIA

SEMIVOLATILE SOIL ANALYSES (ug/kg)

Validation/Summary Table

SAMPLE LOCATION:	11-SB-07	11-SB-08	11-SB-09
LAB NUMBER:	S20873007	S20867009	S20867007
DATE SAMPLED:	02/10/92	02/09/92	02/09/92
DATE ANALYZED:	02/25/92	02/25/92	02/25/92
DILUTION FACTOR:	1.0	1.0	1.0
SOLIDS:	82.0	87.0	74.0

SEMIVOLATILES -- METHOD 8270 (continued)

ANALYTE	CRQL			
3-Methylcholanthrene	330	400 U	380 U	450 U
Pyridine	1600	2000 U	1800 U	2200 U
N-Nitrosomethylethylamine	330	400 UJ	380 UJ	450 UJ
N-Nitrosomorpholine	330	400 UJ	380 UJ	450 UJ
o-Toluidine	330	400 UJ	380 UJ	450 UJ
3-Methylphenol	330	400 U	380 U	450 U
Hexachloropropene	1600	2000 UJ	1800 UJ	2200 UJ
p-Phenylenediamine	1600	2000 UJ	1800 UJ	2200 UJ
Safrole	1600	2000 UJ	1800 UJ	2200 UJ
Isosafrole	1600	2000 UJ	1800 UJ	2200 UJ
1,4-Naphthoquinone	1600	2000 UJ	1800 UJ	2200 UJ
1,3-Dinitrobenzene	330	400 UJ	380 UJ	450 UJ
5-Nitro-o-toluidine	330	400 UJ	380 UJ	450 UJ
1,3,5-Trinitrobenzene	330	400 UJ	380 UJ	450 UJ
4-Nitroquinoline-1-oxide	330	400 UJ	380 UJ	450 UJ
Methapyrilene	1600	2000 UJ	1800 UJ	2200 UJ
3,3'-Dimethylbenzidine	330	400 UJ	380 UJ	450 UJ
2-Acetamidofluorene	330	400 UJ	380 UJ	450 UJ
Hexachlorophene	1600	2000 UJ	1800 UJ	2200 UJ

POLYCHLORINATED DIBENZO- FURANS/DIOXINS -- METHOD 8280

	DATE ANALYZED:	02/17/92	02/13/92	02/13/92
ANALYTE	CRQL			
TCDFs (total)	------	0.0041 U	0.0052 U	0.0070 U
PeCDFs (total)	------	0.0096 U	0.0096 U	0.021 U
HxCDFs (total)	------	0.014 U	0.0021 U	0.040 U
TCDDs (total)	------	0.0066 U	0.0084 U	0.012 U
2,3,7,8- TCDD	------	0.0066 U	0.0084 U	0.012 U
PeCDDs (total)	------	0.033 U	0.042 U	0.072 U
HxDDs (total)	------	0.038 U	0.040 U	0.066 U

PROJECT: NSB KINGS BAY, GEORGIA — PESTICIDE/PCB/HERBICIDE SOIL ANALYSES (ug/kg) — Validation/Summary Table

SAMPLE LOCATION:		11-SB-01	11-SB-02	11-SB-03	11-SB-03D	11-SB-04	11-SB-05	11-SB-06
LAB NUMBER:		S20867008	S20873001	S20873002	S20873003	S20873004	S20873005	S20873006
DATE SAMPLED:		02/09/92	02/10/92	02/10/92	02/10/92	02/10/92	02/10/92	02/10/92
% SOLIDS:		80.0	82.0	79.0	79.0	80.0	81.0	80.0
ORGANOCHLORINE PESTICIDES AND PCBs -- METHOD 8080								
ANALYTE	CRQL							
alpha-BHC	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
beta-BHC	0.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
delta-BHC	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
gamma-BHC (Lindane)	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Heptachlor	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aldrin	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Heptachlor epoxide	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Endosulfan I	0.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dieldrin	0.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4,4'- DDE	0.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Endrin	0.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Endosulfan II	0.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4,4'- DDD	0.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Endrin Aldehyde	0.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Endosulfan Sulfate	0.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4,4'- DDT	0.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methoxychlor	1.6	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Endrin Ketone	0.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlordane	4	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toxaphene	20	25 U	24 U	25 U	25 U	25 U	25 U	25 U
Aroclor-1016	32	40 U	39 U	40 U	40 U	40 U	40 U	40 U
Aroclor-1221	80	100 U	98 U	100 U	100 U	100 U	99 U	100 U
Aroclor-1232	80	100 U	98 U	100 U	100 U	100 U	99 U	100 U
Aroclor-1242	32	40 U	39 U	40 U	40 U	40 U	40 U	40 U
Aroclor-1248	16	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Aroclor-1254	8	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Aroclor-1260	8	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzilate	20	25 U	24 U	25 U	25 U	25 U	25 U	25 U
Diallate	40	50 U	49 U	51 U	51 U	50 U	49 U	50 U
Isodrin	0.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Kepone	NR	NR	NR	NR	NR	NR	NR	NR
ORGANOPHOSPHOROUS PESTICIDES -- METHOD 8140								
ANALYTE	CRQL							
Triethylphosphorothioate	50	62 U	62 U	63 U	63 U	62 U	62 U	62 U
Thionazin	50	62 U	62 U	63 U	63 U	62 U	62 U	62 U
Phorate	50	62 U	62 U	63 U	63 U	62 U	62 U	62 U
Sulfotepp	50	62 U	62 U	63 U	63 U	62 U	62 U	62 U
Dimethoate	NR	NR	NR	NR	NR	NR	NR	NR
Disulfoton	50	62 U	62 U	63 U	63 U	62 U	62 U	62 U
Methyl Parathion	50	62 U	62 U	63 U	63 U	62 U	62 U	62 U
Ethyl Parathion	50	62 U	62 U	63 U	63 U	62 U	62 U	62 U
Famphur	50	62 U	62 U	63 U	63 U	62 U	62 U	62 U
CHLORINATED HERBICIDES -- METHOD 8150								
ANALYTE	CRQL							
2,4-D	100	125 U	122 U	126 U	126 U	125 U	123 U	125 U
Silvex	20	25 U	24 U	25 U	25 U	25 U	25 U	25 U
2,4,5-T	20	25 U	24 U	25 U	25 U	25 U	25 U	25 U
Dinoseb	NR	NR	NR	NR	NR	NR	NR	NR

PROJECT: NSB KINGS BAY, GEORGIA PESTICIDE/PCB/HERBICIDE SOIL ANALYSES (ug/kg) Validation/Summary Table

	SAMPLE LOCATION:	11-SB-07	11-SB-08	11-SB-09
	LAB NUMBER:	S20873007	S20867009	S20867007
	DATE SAMPLED:	02/10/92	02/09/92	02/09/92
	% SOLIDS:	82.0	87.0	74.0
ORGANOCHLORINE PESTICIDES AND PCBs -- METHOD 8080				
ANALYTE	CRQL			
alpha-BHC	0.4	0.5 U	0.4 U	0.5 U
beta-BHC	0.8	1.0 U	0.9 U	1.1 U
delta-BHC	0.4	0.5 U	0.4 U	0.5 U
gamma-BHC (Lindane)	0.4	0.5 U	0.4 U	0.5 U
Heptachlor	0.4	0.5 U	0.4 U	0.5 U
Aldrin	0.4	0.5 U	0.4 U	0.5 U
Heptachlor epoxide	0.4	0.5 U	0.4 U	0.5 U
Endosulfan I	0.8	1.0 U	0.9 U	1.1 U
Dieldrin	0.8	1.0 U	0.9 U	1.1 U
4,4'- DDE	0.8	1.0 U	0.9 U	1.1 U
Endrin	0.8	1.0 U	0.9 U	1.1 U
Endosulfan II	0.8	1.0 U	0.9 U	1.1 U
4,4'- DDD	0.8	1.0 U	0.9 U	1.1 U
Endrin Aldehyde	0.8	1.0 U	0.9 U	1.1 U
Endosulfan Sulfate	0.8	1.0 U	0.9 U	1.1 U
4,4'- DDT	0.8	1.0 U	0.9 U	1.1 U
Methoxychlor	1.6	2.0 U	1.8 U	2.2 U
Endrin Ketone	0.8	1.0 U	0.9 U	1.1 U
Chlordane	4	5 U	4 U	5 U
Toxaphene	20	24 U	23 U	27 U
Aroclor-1016	32	39 U	37 U	43 U
Aroclor-1221	80	98 U	92 U	110 U
Aroclor-1232	80	98 U	92 U	110 U
Aroclor-1242	32	39 U	37 U	43 U
Aroclor-1248	16	20 U	18 U	22 U
Aroclor-1254	8	10 U	9 U	11 U
Aroclor-1260	8	10 U	9 U	11 U
Chlorobenzilate	20	24 U	23 U	27 U
Diallate	40	49 U	46 U	54 U
Isodrin	0.8	1.0 U	0.9 U	1.1 U
Kepone	NR	NR	NR	NR
ORGANOPHOSPHOROUS PESTICIDES -- METHOD 8140				
ANALYTE	CRQL			
Triethylphosphorothioate	50	61 U	57 U	60 U
Thionazin	50	61 U	57 U	60 U
Phorate	50	61 U	57 U	60 U
Sulfotepp	50	61 U	57 U	60 U
Dimethoate	NR	NR	NR	NR
Disulfoton	50	61 U	57 U	60 U
Methyl Parathion	50	61 U	57 U	60 U
Ethyl Parathion	50	61 U	57 U	60 U
Famphur	50	61 U	57 U	60 U
CHLORINATED HERBICIDES -- METHOD 8150				
ANALYTE	CRQL			
2,4-D	100	122 U	115 U	135 U
Silvex	20	24 U	23 U	27 U
2,4,5-T	20	24 U	23 U	27 U
Dinoseb	NR	NR	NR	NR

PROJECT: NSB KINGS BAY, GEORGIA — INORGANIC SOIL ANALYSES (mg/kg) — Validation/Summary Table

	SAMPLE LOCATION:	11-SB-01	11-SB-02	11-SB-03	11-SB-03D	11-SB-04	11-SB-05	11-SB-06
	SAMPLING DEPTH:	4-6 FT	4-6 FT	4-6 FT	4-6 FT	4-6 FT	4-6 FT	4-6 FT
	LAB NUMBER:	S20867008	S20873001	S20873002	S20873003	S20873004	S20873005	S20873006
	DATE SAMPLED:	02/09/92	02/10/92	02/10/92	02/10/92	02/10/92	02/10/92	02/10/92
	% SOLIDS:	79.8	81.6	78.2	80.6	50.0	80.4	81.3
ANALYTE	CRQL							
Antimony	12	2.7 U	2.7 U	2.8 U	2.7 U	4.4 U	2.7 U	2.7 U
Arsenic	2	0.24 J	0.17 U	0.18 U	0.17 U	0.28 U	0.17 U	0.17 U
Barium	40	1.1 J	4.5 J	3.0 J	2.7 J	4.7 J	1.5 J	1.8 J
Beryllium	1	0.05 U	0.05 U	0.05 U	0.05 U	0.08 U	0.05 U	0.05 U
Cadmium	1	0.74 U	0.72 U	0.81 J	0.73 U	1.2 U	0.73 U	0.72 U
Chromium	2	1.4 U	3.2	2.9 U	2.6 U	4.0	2.0 U	2.5 U
Cobalt	10	0.89 U	0.87 U	0.91 U	0.88 U	1.4 U	0.89 U	0.88 U
Copper	5	1.5 U	0.96 U	2.6 U	0.88 U	1.3 U	1.7 U	1.1 U
Lead	0.6	1.6 U	2.3	1.8	0.88	3.6	1.1	0.46 J
Mercury	0.1	0.06 U	0.07 U	0.08 U	0.10 U	0.11 U	0.07 U	0.08 U
Nickel	8	1.0 J	2.0 U	2.2 U	1.1 U	1.6 U	0.94 U	2.4 U
Selenium	1	0.32 U	0.31 U	0.33 U	0.32 U	0.51 U	0.46 J	0.32 U
Silver	2	0.43 U	0.42 U	0.44 U	0.43 U	0.69 U	0.43 U	0.42 U
Thallium	2	0.35 U	0.34 U	0.36 U	0.35 U	0.56 U	0.35 U	0.35 U
Tin	41.6	52.1 U	51.0 U	53.2 U	51.6 U	83.2 U	51.7 U	51.2 U
Vanadium	10	0.68 U	1.4 J	1.7 J	1.6 J	2.7 J	1.0 J	1.4 J
Zinc	4	1.8 U	1.9 U	3.8 U	1.5 U	4.0 U	0.90 U	2.4 U
Cyanide	1	0.45 U	0.44 U	0.46 U	0.45 U	0.72 U	0.45 U	0.44 U
Sulfide	4000	5100 U	4900 U	5100 U	5000 U	5000 U	4900 U	5000 U

PROJECT: NSB KINGS BAY, GEORGIA — INORGANIC SOIL ANALYSES (mg/kg) — Validation/Summary Table

	SAMPLE LOCATION:	11-SB-07	11-SB-08	11-SB-09
	SAMPLING DEPTH:	4-6 FT	4-6 FT	2-4 FT
	LAB NUMBER:	S20873007	S20867009	S20867007
	DATE SAMPLED:	02/10/92	02/09/92	02/09/92
	% SOLIDS:	81.9	87.7	76.9
ANALYTE	CRQL			
Antimony	12	2.7 U	2.5 U	2.8 U
Arsenic	2	0.17 U	0.23 J	0.18 U
Barium	40	2.4 J	3.1 J	0.78 U
Beryllium	1	0.05 J	0.05 J	0.05 U
Cadmium	1	0.72 U	0.67 U	0.76 U
Chromium	2	4.2	2.0 U	1.9 U
Cobalt	10	0.87 U	0.81 U	0.93 U
Copper	5	1.8 U	3.9 U	2.3 U
Lead	0.6	0.96	2.2	2.0
Mercury	0.1	0.09 U	0.06 U	0.05 U
Nickel	8	1.5 U	2.7 J	1.3 J
Selenium	1	0.31 U	0.29 U	0.33 U
Silver	2	0.47 J	0.39 U	0.54 U
Thallium	2	0.34 U	0.32 U	0.37 U
Tin	41.6	50.8 U	47.4 U	54.1 U
Vanadium	10	1.3 J	1.6 U	1.2 U
Zinc	4	2.5 U	6.8	5.3
Cyanide	1	0.44 U	0.41 U	0.47 U
Sulfide	4000	4900 U	4500 U	5200 U

GROUNDWATER SAMPLE EVENT NO. 1 FEBRUARY 1992

PROJECT: NSB KINGS BAY, GEORGIA

VOLATILE AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

	SAMPLE LOCATION:	KBA-11-1	KBA-11-2	KBA-11-3	KBA-11-3D	KBA-11-4	KBA-11-5	KBA-11-6
	LAB NUMBER:	W20997002	W21002001	W21002002	W21002003	W20997008	W20997009	W20997004
	DATE SAMPLED:	02/21/92	02/22/92	02/22/92	02/22/92	02/21/92	02/21/92	02/21/92
	DATE ANALYZED:	03/04/92	03/04/92	03/04/92	03/04/92	03/05/92	03/05/92	03/04/92
	DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0	1.0	1.0
ANALYTE	CRQL							
Chloromethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10	10 U	18	10 U	10 U	10 U	10 U	10 U
Chloroethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	5	9 U	5 U	5 U	5 U	5 U	8 U	5 U
Acetone	10	10 U	10 U	25 U	17 U	18 U	13 U	10 U
Carbon Disulfide	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichlorofluoromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	5	5 U	7	5 U	5 U	5 U	5 U	5 U
Chloroform	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Chloroethylvinylether	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	10	10 U	10 U	10 U	10 U	10 U	10 U	3 J
Tetrachloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5	5 U	5 U	6	7	5 U	5 U	5 U
Ethylbenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	5	5 U	5 U	5 U	5 U	5 U	2 J	2 J
1,3-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	5	5 U	5 U	13	15	5 U	5 U	1 J
1,2-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acrolein	100	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Iodomethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acrylonitrile	100	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Dibromomethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethyl Methacrylate	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2,3-Trichloropropane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U

PROJECT: NSB KINGS BAY, GEORGIA

VOLATILE AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

	SAMPLE LOCATION:	KBA-11-1	KBA-11-2	KBA-11-3	KBA-11-3D	KBA-11-4	KBA-11-5	KBA-11-6
	LAB NUMBER:	W20997002	W21002001	W21002002	W21002003	W20997008	W20997009	W20997004
	DATE SAMPLED:	02/21/92	02/22/92	02/22/92	02/22/92	02/21/92	02/21/92	02/21/92
	DATE ANALYZED:	03/04/92	03/04/92	03/04/92	03/04/92	03/05/92	03/05/92	03/04/92
	DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0	1.0	1.0
ANALYTE	CRQL							
trans-1,4-Dichloro-2-Butene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetonitrile	100	100 UJ	100 UJ	100 UJ	100 UJ	100 UJ	100 UJ	100 UJ
3-Chloropropene	5	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Propionitrile	100	100 UJ	100 UJ	100 UJ	100 UJ	100 UJ	100 UJ	100 UJ
Methacrylonitrile	5	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
1,4-Dioxane	200	200 U	200 U	200 U	200 U	200 U	200 U	200 U
Methyl Methacrylate	10	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
1,2-Dibromoethane	5	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
1,1,1,2-Tetrachloroethane	5	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
1,2-Dibromo-3-Chloropropane	10	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Pentachloroethane	10	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Isobutyl alcohol	200	200 UJ	200 UJ	200 UJ	200 UJ	200 UJ	200 UJ	200 UJ
Chloroprene	200	200 UJ	200 UJ	200 UJ	200 UJ	200 UJ	200 UJ	200 UJ

PROJECT: NSB KINGS BAY, GEORGIA

VOLATILE AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

	SAMPLE LOCATION:	KBA-11-7	KBA-11-8	KBA-11-9
	LAB NUMBER:	W20997003	W20997006	W20997005
	DATE SAMPLED:	02/21/92	02/21/92	02/21/92
	DATE ANALYZED:	03/04/92	03/04/92	03/03/92
	DILUTION FACTOR:	1.0	1.0	1.0
ANALYTE	CRQL			
Chloromethane	10	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U
Vinyl Chloride	10	10 U	2 J	10 U
Chloroethane	10	10 U	10 U	10 U
Methylene Chloride	5	15 U	10 U	5 U
Acetone	10	10 U	23 U	32 U
Carbon Disulfide	5	5 U	5 U	5 U
Trichlorofluoromethane	5	5 U	5 U	5 U
1,1-Dichloroethene	5	5 U	5 U	5 U
1,1-Dichloroethane	5	5 U	5 U	5 U
1,2-Dichloroethene (total)	5	5 U	5 U	5 U
Chloroform	5	5 U	5 U	5 U
1,2-Dichloroethane	5	5 U	5 U	5 U
2-Butanone	10	10 U	10 U	10 U
1,1,1-Trichloroethane	5	5 U	5 U	5 U
Carbon Tetrachloride	5	5 U	5 U	5 U
Vinyl Acetate	10	10 U	10 U	10 U
Bromodichloromethane	5	5 U	5 U	5 U
1,2-Dichloropropane	5	5 U	5 U	5 U
cis-1,3-Dichloropropene	5	5 U	5 U	5 U
Trichloroethene	5	5 U	5 U	5 U
Dibromochloromethane	5	5 U	5 U	5 U
1,1,2-Trichloroethane	5	5 U	5 U	5 U
Benzene	5	5 U	5 U	5 U
trans-1,3-Dichloropropene	5	5 U	5 U	5 U
2-Chloroethylvinylether	10	10 U	10 U	10 U
Bromoform	5	5 U	5 U	5 U
2-Hexanone	10	10 U	10 U	10 U
4-Methyl-2-Pentanone	10	10 U	10 U	10 U
Tetrachloroethene	5	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5	5 U	5 U	5 U
Toluene	5	5 U	5 U	5 U
Chlorobenzene	5	5 U	5 U	5 U
Ethylbenzene	5	5 U	1 J	5 U
Styrene	5	5 U	5 U	5 U
Xylene (total)	5	5 U	5	3 J
1,3-Dichlorobenzene	5	5 U	5 U	5 U
1,4-Dichlorobenzene	5	5 U	5 U	5 U
1,2-Dichlorobenzene	5	5 U	5 U	5 U
Acrolein	100	100 U	100 U	100 U
Iodomethane	10	10 U	10 U	10 U
Acrylonitrile	100	100 U	100 U	100 U
Dibromomethane	5	5 U	5 U	5 U
Ethyl Methacrylate	5	5 U	5 U	5 U
1,2,3-Trichloropropane	5	5 U	5 U	5 U

PROJECT: NSB KINGS BAY, GEORGIA

VOLATILE AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

	SAMPLE LOCATION:	KBA-11-7	KBA-11-8	KBA-11-9
	LAB NUMBER:	W20997003	W20997006	W2099705
	DATE SAMPLED:	02/21/92	02/21/92	02/21/92
	DATE ANALYZED:	03/04/92	03/04/92	03/03/92
	DILUTION FACTOR:	1.0	1.0	1.0
ANALYTE	CRQL			
trans-1,4-Dichloro-2-Butene	5	5 U	5 U	5 U
Acetonitrile	100	100 UJ	100 UJ	100 UJ
3-Chloropropene	5	5 UJ	5 UJ	5 UJ
Propionitrile	100	100 UJ	100 UJ	100 UJ
Methacrylonitrile	5	5 UJ	5 UJ	5 UJ
1,4-Dioxane	200	200 U	200 U	200 U
Methyl Methacrylate	10	10 UJ	10 UJ	10 UJ
1,2-Dibromoethane	5	5 UJ	5 UJ	5 UJ
1,1,1,2-Tetrachloroethane	5	5 UJ	5 UJ	5 UJ
1,2-Dibromo-3-Chloropropane	10	10 UJ	10 UJ	10 UJ
Pentachloroethane	10	10 UJ	10 UJ	10 UJ
Isobutyl alcohol	200	200 UJ	200 UJ	200 UJ
Chloroprene	200	200 UJ	200 UJ	200 UJ

PROJECT: NSB KINGS BAY, GEORGIA

SEMIVOLATILE AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

	SAMPLE LOCATION:	KBA-11-1	KBA-11-2	KBA-11-3	KBA-11-3D	KBA-11-4	KBA-11-5	KBA-11-6
	LAB NUMBER:	W20997002	W21002001	W21002002	W21002003	W20997008	W20997009	W20997004
	DATE SAMPLED:	02/20/92	02/20/92	02/20/92	02/20/92	02/20/92	02/20/92	02/20/92
	DATE ANALYZED:	03/16/92	03/17/92	03/17/92	03/17/92	03/17/92	03/17/92	03/16/92
	DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SEMIVOLATILES -- METHOD 8270								
ANALYTE	CRQL							
N-Nitrosodimethylamine	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Aniline	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
bis (2-Chloroethyl) Ether	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
2- Chlorophenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3- Dichlorobenzene	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
1,4- Dichlorobenzene	10	10 U	10 U	4 J	7 J	10 U	10 U	10 U
Benzyl Alcohol	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
1,2- Dichlorobenzene	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
2- Methylphenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis (2- Chloroisopropyl) Ether	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
N-Nitroso-Di-n-Propylamine	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Nitrobenzene	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Isophorone	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
2-Nitrophenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzoic Acid	50	50 U	50 U	50 UJ	50 U	50 U	50 U	50 U
bis (2-Chloroethoxy) Methane	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Naphthalene	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
4-Chloroaniline	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
4-Chloro-3-Methylphenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Chloronaphthalene	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
2-Nitroaniline	50	50 U	50 U	50 UJ	50 U	50 U	50 U	50 U
Dimethylphthalate	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Acenaphthylene	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
3-Nitroaniline	50	50 U	50 U	50 UJ	50 U	50 U	50 U	50 U
Acenaphthene	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Dibenzofuran	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Diethylphthalate	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
4-Nitroaniline	50	50 U	50 U	50 UJ	50 U	50 U	50 U	50 U
4,6-Dinitro-2-Methylphenol	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
N-Nitrosodiphenylamine	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U

PROJECT: NSB KINGS BAY, GEORGIA

SEMIVOLATILE AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

SAMPLE LOCATION:		KBA-11-1	KBA-11-2	KBA-11-3	KBA-11-3D	KBA-11-4	KBA-11-5	KBA-11-6
LAB NUMBER:		W20997002	W21002001	W21002002	W21002003	W20997008	W20997009	W20997004
DATE SAMPLED:		02/20/92	02/20/92	02/20/92	02/20/92	02/20/92	02/20/92	02/20/92
DATE ANALYZED:		03/16/92	03/17/92	03/17/92	03/17/92	03/17/92	03/17/92	03/16/92
DILUTION FACTOR:		1.0	1.0	1.0	1.0	1.0	1.0	1.0
SEMIVOLATILES -- METHOD 8270 (continued)								
ANALYTE	CRQL							
1,2-Diphenylhydrazine	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Pentachlorophenol	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Phenanthrene	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Anthracene	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Di-n-Butylphthalate	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Fluoranthene	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Pyrene	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Butylbenzylphthalate	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20	20 U	20 U	20 UJ	20 U	20 U	20 U	20 U
Benzo (a) Anthracene	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Chrysene	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
bis (2-Ethylhexyl) Phthalate	10	10 U	10 U	31 UJ	10 U	10 U	10 U	10 U
Di-n-Octyl Phthalate	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Benzo (b) Fluoranthene	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Benzo (k) Fluoranthene	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Benzo (a) Pyrene	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Indeno (1,2,3-cd) Pyrene	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Dibenz (a,h) Anthracene	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Benzo (g,h,i) Perylene	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
2-Picoline	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Methyl methanesulfonate	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethyl methanesulfonate	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetophenone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosopiperidine	10	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Phenyl-tert-butylamine	50	50 UR	50 UR	50 UR	50 UR	50 UR	50 UR	50 UR
2,6-Dichlorophenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-butylamine	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiethylamine	10	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
N-Nitrosopyrrolidine	10	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Benzidine	50	50 U	50 U	50 U	50 U	50 UJ	50 UJ	50 U
1,2,4,5-Tetrachlorobenzene	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Pentachlorobenzene	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1-Naphthylamine	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Naphthylamine	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2,3,4,6-Tetrachlorophenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diphenylamine	10	10 UR	10 UR	10 UR	10 UR	10 UR	10 UR	10 UR
Phenacetin	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Aminobiphenyl	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Pentachloronitrobenzene	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Pronamide	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
p-Dimethylaminoazobenzene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
7,12-Dimethylbenz (a) Anthracene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Methylcholanthrene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyridine	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U

PROJECT: NSB KINGS BAY, GEORGIA

SEMIVOLATILE AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

	SAMPLE LOCATION:	KBA-11-1	KBA-11-2	KBA-11-3	KBA-11-3D	KBA-11-4	KBA-11-5	KBA-11-6
	LAB NUMBER:	W20997002	W21002001	W21002002	W21002003	W20997008	W20997009	W20997004
	DATE SAMPLED:	02/20/92	02/20/92	02/20/92	02/20/92	02/20/92	02/20/92	02/20/92
	DATE ANALYZED:	03/16/92	03/17/92	03/17/92	03/17/92	03/17/92	03/17/92	03/16/92
	DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SEMIVOLATILES -- METHOD 8270 (continued)								
ANALYTE	CRQL							
N-Nitrosomethylethylamine	10	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
N-Nitrosomorpholine	10	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
o-Toluidine	10	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
3- & 4- Methylphenol	20	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Hexachloropropene	50	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ
p-Phenylenediamine	50	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ
Safrole	50	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ
Isosafrole	50	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ
1,4-Naphthoquinone	50	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ
1,3-Dinitrobenzene	10	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
5-Nitro-o-toluidine	10	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
1,3,5-Trinitrobenzene	10	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
4-Nitroquinoline-1-oxide	10	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Methapyrilene	50	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ
3,3'-Dimethylbenzidine	10	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
2-Acetamidofluorene	10	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Hexachlorophene	50	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ

POLYCHLORINATED DIBENZO- FURANS/DIOXINS -- METHOD 8280 (ng/l)

	DATE ANALYZED:	03/10/92	03/04/92	03/04/92	03/04/92	03/06/92	03/06/92	03/05/92
ANALYTE	CRQL (ng/l)							
TCDFs (total)	10	0.090 U	0.040 U	0.077 U	0.10 U	0.029 U	0.037 U	0.043 U
PeCDFs (total)	10	0.11 U	0.055 U	0.11 U	0.15 U	0.048 U	0.083 U	0.052 U
HxCDFs (total)	10	0.19 U	0.093 U	0.26 U	0.23 U	0.070 U	0.29 U	0.11 U
TCDDs (total)	10	0.091 U	0.040 U	0.060 U	0.056 U	0.046 U	0.070 U	0.051 U
2,3,7,8- TCDD	5	0.091 U	0.040 U	0.060 U	0.056 U	0.046 U	0.070 U	0.051 U
PeCDDs (total)	10	0.48 U	0.20 U	0.50 U	0.52 U	0.087 U	0.21 U	0.15 U
HxCDDs (total)	10	0.24 U	0.11 U	0.27 U	0.30 U	0.12 U	0.50 U	0.22 U

PROJECT: NSB KINGS BAY, GEORGIA

SEMIVOLATILE AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

	SAMPLE LOCATION:	KBA-11-7	KBA-11-8	KBA-11-9
	LAB NUMBER:	W20997003	W20997006	W20997005
	DATE SAMPLED:	02/20/92	02/20/92	02/20/92
	DATE ANALYZED:	03/16/92	03/17/92	03/17/92
	DILUTION FACTOR:	1.0	1.0	1.0
SEMIVOLATILES -- METHOD 8270				
ANALYTE	CRQL			
N-Nitrosodimethylamine	10	10 U	10 U	10 U
Phenol	10	10 U	10 U	10 U
Aniline	10	10 U	10 U	10 U
bis (2-Chloroethyl) Ether	10	10 U	10 U	10 U
2- Chlorophenol	10	10 U	10 U	10 U
1,3- Dichlorobenzene	10	10 U	10 U	10 U
1,4- Dichlorobenzene	10	10 U	10 U	10 U
Benzyl Alcohol	10	10 U	10 U	10 U
1,2- Dichlorobenzene	10	10 U	10 U	10 U
2- Methylphenol	10	10 U	10 U	10 U
bis (2- Chloroisopropyl) Ether	10	10 U	10 U	10 U
N-Nitroso-Di-n-Propylamine	10	10 U	10 U	10 U
Hexachloroethane	10	10 U	10 U	10 U
Nitrobenzene	10	10 U	10 U	10 U
Isophorone	10	10 U	10 U	10 U
2-Nitrophenol	10	10 U	10 U	10 U
2,4-Dimethylphenol	10	10 U	10 U	10 U
Benzoic Acid	50	50 U	50 U	50 U
bis (2-Chloroethoxy) Methane	10	10 U	10 U	10 U
2,4-Dichlorophenol	10	10 U	10 U	10 U
1,2,4-Trichlorobenzene	10	10 U	10 U	10 U
Naphthalene	10	10 U	10 U	10 U
4-Chloroaniline	10	10 U	10 U	10 U
Hexachlorobutadiene	10	10 U	10 U	10 U
4-Chloro-3-Methylphenol	10	10 U	10 U	10 U
2-Methylnaphthalene	10	10 U	10 U	10 U
Hexachlorocyclopentadiene	10	10 U	10 U	10 U
2,4,6-Trichlorophenol	10	10 U	10 U	10 U
2,4,5-Trichlorophenol	50	50 U	50 U	50 U
2-Chloronaphthalene	10	10 U	10 U	10 U
2-Nitroaniline	50	50 U	50 U	50 U
Dimethylphthalate	10	10 U	10 U	10 U
Acenaphthylene	10	10 U	10 U	10 U
2,6-Dinitrotoluene	10	10 U	10 U	10 U
3-Nitroaniline	50	50 U	50 U	50 U
Acenaphthene	10	10 U	10 U	10 U
2,4-Dinitrophenol	50	50 U	50 U	50 U
4-Nitrophenol	50	50 U	50 U	50 U
Dibenzofuran	10	10 U	10 U	10 U
2,4-Dinitrotoluene	10	10 U	10 U	10 U
Diethylphthalate	10	10 U	9 J	10 U
4-Chlorophenyl-phenylether	10	10 U	10 U	10 U
Fluorene	10	10 U	10 U	10 U
4-Nitroaniline	50	50 U	50 U	50 U
4,6-Dinitro-2-Methylphenol	50	50 U	50 U	50 U
N-Nitrosodiphenylamine	10	10 U	10 U	10 U

PROJECT: NSB KINGS BAY, GEORGIA

SEMIVOLATILE AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

	SAMPLE LOCATION:	KBA-11-7	KBA-11-8	KBA-11-9
	LAB NUMBER:	W20997003	W20997006	W20997005
	DATE SAMPLED:	02/20/92	02/20/92	02/20/92
	DATE ANALYZED:	03/16/92	03/17/92	03/17/92
	DILUTION FACTOR:	1.0	1.0	1.0
SEMIVOLATILES -- METHOD 8270 (continued)				
ANALYTE	CRQL			
1,2-Diphenylhydrazine	10	10 U	10 U	10 U
4-Bromophenyl-phenylether	10	10 U	10 U	10 U
Hexachlorobenzene	10	10 U	10 U	10 U
Pentachlorophenol	50	50 U	50 U	50 U
Phenanthrene	10	10 U	10 U	10 U
Anthracene	10	10 U	10 U	10 U
Di-n-Butylphthalate	10	10 U	10 U	10 U
Fluoranthene	10	10 U	10 U	10 U
Pyrene	10	10 U	10 U	10 U
Butylbenzylphthalate	10	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20	20 U	20 U	20 U
Benzo (a) Anthracene	10	10 U	10 U	10 U
Chrysene	10	10 U	10 U	10 U
bis (2-Ethylhexyl) Phthalate	10	94	10 U	10 U
Di-n-Octyl Phthalate	10	10 U	10 U	10 U
Benzo (b) Fluoranthene	10	10 U	10 U	10 U
Benzo (k) Fluoranthene	10	10 U	10 U	10 U
Benzo (a) Pyrene	10	10 U	10 U	10 U
Indeno (1,2,3-cd) Pyrene	10	10 U	10 U	10 U
Dibenz (a,h) Anthracene	10	10 U	10 U	10 U
Benzo (g,h,i) Perylene	10	10 U	10 U	10 U
2-Picoline	50	50 U	50 U	50 U
Methyl methanesulfonate	10	10 U	10 U	10 U
Ethyl methanesulfonate	10	10 U	10 U	10 U
Acetophenone	10	10 U	10 U	10 U
N-Nitrosopiperidine	10	10 U	10 U	10 U
Phenyl-tert-butylamine	50	50 UR	50 UR	50 UR
2,6-Dichlorophenol	10	10 U	10 U	10 U
N-Nitroso-di-n-butylamine	10	10 U	10 U	10 U
N-Nitrosodiethylamine	10	10 UJ	10 UJ	10 UJ
N-Nitrosopyrrolidine	10	10 UJ	10 UJ	10 UJ
Benzidine	50	50 U	50 UJ	50 UJ
1,2,4,5-Tetrachlorobenzene	50	50 U	50 U	50 U
Pentachlorobenzene	50	50 U	50 U	50 U
1-Naphthylamine	50	50 U	50 U	50 U
2-Naphthylamine	50	50 U	50 U	50 U
2,3,4,6-Tetrachlorophenol	10	10 U	10 U	10 U
Diphenylamine	10	10 UR	10 UR	10 UR
Phenacetin	10	10 U	10 U	10 U
4-Aminobiphenyl	50	50 U	50 U	50 U
Pentachloronitrobenzene	50	50 U	50 U	50 U
Pronamide	10	10 U	10 U	10 U
p-Dimethylaminoazobenzene	10	10 U	10 U	10 U
7,12-Dimethylbenz (a) Anthracene	10	10 U	10 U	10 U
3-Methylcholanthrene	10	10 U	10 U	10 U
Pyridine	50	50 U	50 U	50 U

PROJECT: NSB KINGS BAY, GEORGIA

SEMIVOLATILE AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

	SAMPLE LOCATION:	KBA-11-7	KBA-11-8	KBA-11-9
	LAB NUMBER:	W20997003	W20997006	W20997005
	DATE SAMPLED:	02/20/92	02/20/92	02/20/92
	DATE ANALYZED:	03/16/92	03/17/92	03/17/92
	DILUTION FACTOR:	1.0	1.0	1.0
SEMIVOLATILES -- METHOD 8270 (continued)				
ANALYTE	CRQL			
N-Nitrosomethylethylamine	10	10 UJ	10 UJ	10 UJ
N-Nitrosomorpholine	10	10 UJ	10 UJ	10 UJ
o-Toluidine	10	10 UJ	10 UJ	10 UJ
3- & 4- Methylphenol	20	20 U	20 U	20 U
Hexachloropropene	50	50 UJ	50 UJ	50 UJ
p-Phenylenediamine	50	50 UJ	50 UJ	50 UJ
Safrole	50	50 UJ	50 UJ	50 UJ
Isosafrole	50	50 UJ	50 UJ	50 UJ
1,4-Naphthoquinone	50	50 UJ	50 UJ	50 UJ
1,3-Dinitrobenzene	10	10 UJ	10 UJ	10 UJ
5-Nitro-o-toluidine	10	10 UJ	10 UJ	10 UJ
1,3,5-Trinitrobenzene	10	10 UJ	10 UJ	10 UJ
4-Nitroquinoline-1-oxide	10	10 UJ	10 UJ	10 UJ
Methapyrilene	50	50 UJ	50 UJ	50 UJ
3,3'-Dimethylbenzidine	10	10 UJ	10 UJ	10 UJ
2-Acetamidofluorene	10	10 UJ	10 UJ	10 UJ
Hexachlorophene	50	50 UJ	50 UJ	50 UJ

POLYCHLORINATED DIBENZO- FURANS/DIOXINS -- METHOD 8280 (ng/l)				
	DATE ANALYZED:	03/05/92	03/05/92	03/05/92
ANALYTE	CRQL (ng/l)			
TCDFs (total)	10	0.032 U	0.22 U	0.021 U
PeCDFs (total)	10	0.043 U	0.039 U	0.024 U
HxCDFs (total)	10	0.26 U	0.11 U	0.060 U
TCDDs (total)	10	0.052 U	0.039 U	0.026 U
2,3,7,8- TCDD	5	0.052 U	0.039 U	0.026 U
PeCDDs (total)	10	0.12 U	0.082 U	0.060 U
HxCDDs (total)	10	0.32 U	0.12 U	0.079 U

PROJECT: NSB KINGS BAY, GEORGIA — PESTICIDE/PCB/HERBICIDE AQUEOUS ANALYSES (ug/l) — Validation/Summary Table

SAMPLE LOCATION:		KBA-11-1	KBA-11-2	KBA-11-3	KBA-11-3D	KBA-11-4	KBA-11-5	KBA-11-6
LAB NUMBER:		W20997002	W21002001	W21002002	W21002003	W20997008	W20997009	W20997004
DATE SAMPLED:		02/21/92	02/22/92	02/22/92	02/22/92	02/21/92	02/21/92	02/21/92
ORGANOCHLORINE PESTICIDES AND PCBs -- METHOD 8080								
ANALYTE	CRQL							
alpha-BHC	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
beta-BHC	0.02	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
delta-BHC	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
gamma-BHC (Lindane)	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Heptachlor	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Aldrin	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Heptachlor epoxide	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Endosulfan I	0.02	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Dieldrin	0.02	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4,4'- DDE	0.02	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endrin	0.02	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endosulfan II	0.02	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4,4'- DDD	0.02	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endrin Aldehyde	0.02	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endosulfan Sulfate	0.02	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4,4'- DDT	0.02	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Methoxychlor	0.04	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Endrin Ketone	0.02	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Chlordane	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Toxaphene	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1016	0.8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Aroclor-1221	2	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Aroclor-1232	2	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Aroclor-1242	0.8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Aroclor-1248	0.4	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Aroclor-1254	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Aroclor-1260	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzilate	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Diallate	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isodrin	0.02	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Kepone	NR	NR	NR	NR	NR	NR	NR	NR
ORGANOPHOSPHOROUS PESTICIDES -- METHOD 8140								
ANALYTE	CRQL							
Triethylphosphorothioate	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Thionazin	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Phorate	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Sulfotepp	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dimethoate	NR	NR	NR	NR	NR	NR	NR	NR
Disulfoton	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Parathion	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl Parathion	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Famphur	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CHLORINATED HERBICIDES -- METHOD 8150								
ANALYTE	CRQL							
2,4-D	2.5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Silvex	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4,5-T	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dinoseb	NR	NR	NR	NR	NR	NR	NR	NR

PROJECT: NSB KINGS BAY, GEORGIA — PESTICIDE/PCB/HERBICIDE AQUEOUS ANALYSES (ug/l) — Validation/Summary Table

	SAMPLE LOCATION:	KBA-11-7	KBA-11-8	KBA-11-9
	LAB NUMBER:	W20997003	W20997006	W20997005
	DATE SAMPLED:	02/21/92	02/21/92	02/21/92
ORGANOCHLORINE PESTICIDES AND PCBs -- METHOD 8080				
ANALYTE	CRQL			
alpha-BHC	0.01	0.01 U	0.01 U	0.01 U
beta-BHC	0.02	0.02 U	0.02 U	0.02 U
delta-BHC	0.01	0.01 U	0.01 U	0.01 U
gamma-BHC (Lindane)	0.01	0.01 U	0.01 U	0.01 U
Heptachlor	0.01	0.01 U	0.01 U	0.01 U
Aldrin	0.01	0.01 U	0.01 U	0.01 U
Heptachlor epoxide	0.01	0.01 U	0.01 U	0.01 U
Endosulfan I	0.02	0.02 U	0.02 U	0.02 U
Dieldrin	0.02	0.02 U	0.02 U	0.02 U
4,4'- DDE	0.02	0.02 U	0.02 U	0.02 U
Endrin	0.02	0.02 U	0.02 U	0.02 U
Endosulfan II	0.02	0.02 U	0.02 U	0.02 U
4,4'- DDD	0.02	0.02 U	0.02 U	0.02 U
Endrin Aldehyde	0.02	0.02 U	0.02 U	0.02 U
Endosulfan Sulfate	0.02	0.02 U	0.02 U	0.02 U
4,4'- DDT	0.02	0.02 U	0.02 U	0.02 U
Methoxychlor	0.04	0.04 U	0.04 U	0.04 U
Endrin Ketone	0.02	0.02 U	0.02 U	0.02 U
Chlordane	0.1	0.1 U	0.1 U	0.1 U
Toxaphene	0.5	0.5 U	0.5 U	0.5 U
Aroclor-1016	0.8	0.8 U	0.8 U	0.8 U
Aroclor-1221	2	2 U	2 U	2 U
Aroclor-1232	2	2 U	2 U	2 U
Aroclor-1242	0.8	0.8 U	0.8 U	0.8 U
Aroclor-1248	0.4	0.4 U	0.4 U	0.4 U
Aroclor-1254	0.2	0.2 U	0.2 U	0.2 U
Aroclor-1260	0.2	0.2 U	0.2 U	0.2 U
Chlorobenzilate	0.5	0.5 U	0.5 U	0.5 U
Diallate	1	1 U	1 U	1 U
Isodrin	0.02	0.02 U	0.02 U	0.02 U
Kepone	NR	NR	NR	NR
ORGANOPHOSPHOROUS PESTICIDES -- METHOD 8140				
ANALYTE	CRQL			
Triethylphosphorothioate	1	1 U	1 U	1 U
Thionazin	1	1 U	1 U	1 U
Phorate	1	1 U	1 U	1 U
Sulfotepp	1	1 U	1 U	1 U
Dimethoate	NR	NR	NR	NR
Disulfoton	1	1 U	1 U	1 U
Methyl Parathion	1	1 U	1 U	1 U
Ethyl Parathion	1	1 U	1 U	1 U
Famphur	1	1 U	1 U	1 U
CHLORINATED HERBICIDES -- METHOD 8150				
ANALYTE	CRQL			
2,4-D	2.5	2.5 U	2.5 U	2.5 U
Silvex	0.5	0.5 U	0.5 U	0.5 U
2,4,5-T	0.5	0.5 U	0.5 U	0.5 U
Dinoseb	NR	NR	NR	NR

PROJECT: NSB KINGS BAY, GEORGIA — INORGANIC AQUEOUS ANALYSES (ug/l) — Validation/Summary Table

ANALYTE	CRQL	KBA-11-1	KBA-11-2	KBA-11-3	KBA-11-3D	KBA-11-4	KBA-11-5	KBA-11-6
SAMPLE LOCATION:		KBA-11-1	KBA-11-2	KBA-11-3	KBA-11-3D	KBA-11-4	KBA-11-5	KBA-11-6
LAB NUMBER:		W20997002	W21002001	W21002002	W21022003	W20997008	W20997009	W20997004
DATE SAMPLED:		02/21/92	02/22/92	02/22/92	02/22/92	02/22/92	02/22/92	02/22/92
Antimony	60	10.9 U	10.9 U	11.1 J	10.9 UJ	11.4 J	10.9 U	10.9 U
Arsenic	10	1.9 J	3.5 J	2.3 U	0.69 U	0.69 U	89.0	7.3 J
Barium	200	61.6 J	228	155 J	280	192 J	617	262
Beryllium	5	0.72 J	4.3 J	2.0 J	2.9 J	5.8	10.2	4.8 J
Cadmium	5	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	3.5 J	2.9 U
Chromium	10	44.4 J	247	113	177	297 J	620 J	261 J
Cobalt	50	3.6 U	5.6 J	3.9 J	5.1 J	7.4 J	16.8 J	6.5 J
Copper	25	26.8 U	53.5 U	41.0 U	86.5 U	68.8	384	49.0
Lead	5	12.6 J	18.1 J	18.8 J	14.8 J	24.7 J	53.5 J	16.3 J
Mercury	0.2	0.16 U	0.60	0.60 J	0.67	1.4	2.9	1.0
Nickel	40	12.8 J	32.2 J	19.6 U	42.2	41.6	107	31.2 J
Selenium	5	6.9	25.6	24.5	26.0	14.6	9.4	13.8
Silver	10	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Thallium	10	1.7 U	1.7 UJ	1.7 UJ	1.7 UJ	1.7 U	1.7 U	1.7 U
Tin	208	208 UJ	208 U	208 U	208 U	208 UJ	208 UJ	208 UJ
Vanadium	50	24.8 J	94.6	87.4	138	209	314	108
Zinc	20	20.1 U	53.3 U	54.8 U	102	86.1	269	211
Cyanide	10	1.8 U	1.8 U	3.0 J	1.8 U	2.3 J	1.8 U	1.8 U
Sulfide	100	100 U	500	600	1000	1300	700	400

PROJECT: NSB KINGS BAY, GEORGIA — INORGANIC AQUEOUS ANALYSES (ug/l) — Validation/Summary Table

ANALYTE	CRQL	KBA-11-7	KBA-11-8	KBA-11-9
SAMPLE LOCATION:		KBA-11-7	KBA-11-8	KBA-11-9
LAB NUMBER:		W20997003	W20997006	W20997005
DATE SAMPLED:		02/21/92	02/21/92	02/21/92
Antimony	60	10.9 U	10.9 U	10.9 U
Arsenic	10	16.9	7.7 J	3.5 J
Barium	200	285	102 J	135 J
Beryllium	5	4.1 J	2.5 J	3.0 J
Cadmium	5	2.9 U	2.9 U	2.9 U
Chromium	10	354 J	139 J	121 J
Cobalt	50	5.9 J	3.6 U	3.6 U
Copper	25	121	62.2	43.2
Lead	5	20.4 J	16.8 J	17.6 J
Mercury	0.2	1.9	0.58	0.28
Nickel	40	44.7	18.6 J	17.0 J
Selenium	5	10.4	11.4	6.4 U
Silver	10	1.7 U	1.7 U	1.7 U
Thallium	10	1.7 U	1.7 U	1.7 U
Tin	208	208 UJ	208 UJ	208 UJ
Vanadium	50	143	67.8	80.2
Zinc	20	82.1	93.6	38.1
Cyanide	10	1.8 U	3.8 J	1.8 U
Sulfide	100	3400	300	200

TRIP BLANKS
SOURCE WATER BLANKS
SAMPLE EVENT NO. 1
FEBRUARY 1992

PROJECT: NSB KINGS BAY, GEORGIA

VOLATILE AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

	SAMPLE LOCATION:	BT-3-FB	BT-4-FB	BT-9-FB	BT-10-FB	BS-3-ER	BS-4-ER	BS-9-ER
	LAB NUMBER:	20867010	20873008	20997001	21002008	20867011	20873009	20997007
	DATE SAMPLED:	02/09/92	02/10/92	02/21/92	02/22/92	02/09/92	02/10/92	02/21/92
	DATA ANALYZED:	02/13/92	02/18/92	03/04/92	03/04/92	02/14/92	02/18/92	03/04/92
	DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0	1.0	1.0
ANALYTE	CRQL							
Chloromethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	5	12U	6 U	7 U	3 J	5	5 U	6 U
Acetone	10	10 U	10 U	10 U	6 J	10 U	13 U	10 U
Carbon Disulfide	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichlorofluoromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	5	5 U	5 U	5 U	5 U	10	7	5 U
1,2-Dichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	5	5 U	5 U	5 U	5 U	7	4 J	5 U
1,2-Dichloropropane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	5	5 U	5 U	5 U	5 U	4 J	2 J	5 U
1,1,2-Trichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Chloroethylvinylether	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	10	10 U	10 U	10 U	10 U	10 U	10 U	5 U
Tetrachloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5	5 U	5 U	5 U	5 U	2 J	5 U	5 U
Ethylbenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acrolein	100	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Iodomethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acrylonitrile	100	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Dibromomethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethyl Methacrylate	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2,3-Trichloropropane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U

PROJECT: NSB KINGS BAY, GEORGIA

VOLATILE AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

	SAMPLE LOCATION:	BT-3-FB	BT-4-FB	BT-9-FB	BT-10-FB	BS-3-ER	BS-4-ER	BS-9-ER
	LAB NUMBER:	20867010	20873008	20997001	21002008	20867011	20873009	20997007
	DATE SAMPLED:	02/09/92	02/10/92	02/21/92	02/22/92	02/09/92	02/10/92	02/21/92
	DATA ANALYZED:	02/13/92	02/18/92	03/04/92	03/04/92	02/14/92	02/18/92	03/04/92
	DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0	1.0	1.0
ANALYTE	CRQL							
trans-1,4-Dichloro-2-Butene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetonitrile	100	100 UJ	100 UJ	100 UJ	100 UJ	100 UJ	100 UJ	100 UJ
3-Chloropropene	5	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Propionitrile	100	100 UJ	100 UJ	100 UJ	100 UJ	100 UJ	100 UJ	100 UJ
Methacrylonitrile	5	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
1,4-Dioxane	200	200 UJ	200 U	200 U	200 U	200 UJ	200 U	200 U
Methyl Methacrylate	10	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
1,2-Dibromoethane	5	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
1,1,1,2-Tetrachloroethane	5	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
1,2-Dibromo-3-Chloropropane	10	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Pentachloroethane	10	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Isobutyl alcohol	200	200 UJ	200 UJ	200 UJ	200 UJ	200 UJ	200 UJ	200 UJ
Chloroprene	200	200 UJ	200 UJ	200 UJ	200 UJ	200 UJ	200 UJ	200 UJ

PROJECT: NSB KINGS BAY, GEORGIA — VOLATILE AQUEOUS ANALYSES (ug/l) — Validation/Summary Table

	SAMPLE LOCATION:	BS-10-ER	BS-1-FB	BS-2-FB	BS-3-FB
	LAB NUMBER:	21002005	20865002	20997010	20997011
	DATE SAMPLED:	02/22/92	02/07/92	02/21/92	02/21/92
	DATA ANALYZED:	03/04/92	02/14/92	03/04/92	03/04/92
	DILUTION FACTOR:	1.0	1.0	1.0	1.0
ANALYTE	CRQL				
Chloromethane	10	10 U	1 J	10 U	10 U
Bromomethane	10	10 U	10 U	10 U	10 U
Vinyl Chloride	10	10 U	10 U	10 U	10 U
Chloroethane	10	10 U	10 U	10 U	10 U
Methylene Chloride	5	5 U	2 J	8 U	15 U
Acetone	10	10 U	10 U	10 U	10 U
Carbon Disulfide	5	5 U	5 U	5 U	5 U
Trichlorofluoromethane	5	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	5	5 U	5 U	5 U	5 U
Chloroform	5	12	9	5 U	5 U
1,2-Dichloroethane	5	5 U	5 U	5 U	5 U
2-Butanone	10	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	5	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	5 U	5 U	5 U	5 U
Vinyl Acetate	10	10 U	10 U	10 U	10 U
Bromodichloromethane	5	7	6	5 U	5 U
1,2-Dichloropropane	5	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U
Trichloroethene	5	5 U	5 U	5 U	5 U
Dibromochloromethane	5	3 J	3 J	5 U	5 U
1,1,2-Trichloroethane	5	5 U	5 U	5 U	5 U
Benzene	5	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U
2-Chloroethylvinylether	10	10 U	10 U	10 U	10 U
Bromoform	5	5 U	5 U	5 U	5 U
2-Hexanone	10	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	10	5 U	5 U	5 U	5 U
Tetrachloroethene	5	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5	5 U	5 U	5 U	5 U
Toluene	5	5 U	5 U	5 U	5 U
Chlorobenzene	5	5 U	2 J	2 J	5 U
Ethylbenzene	5	5 U	5 U	5 U	5 U
Styrene	5	5 U	5 U	5 U	5 U
Xylene (total)	5	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	5	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	5	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	5	5 U	5 U	5 U	5 U
Acrolein	100	100 U	100 U	100 U	100 U
Iodomethane	10	10 U	10 U	10 U	10 U
Acrylonitrile	100	100 U	100 U	100 U	100 U
Dibromomethane	5	5 U	5 U	5 U	5 U
Ethyl Methacrylate	5	5 U	5 U	5 U	5 U
1,2,3-Trichloropropane	5	5 U	5 U	5 U	5 U

PROJECT: NSB KINGS BAY, GEORGIA

VOLATILE AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

	SAMPLE LOCATION:	BS-10-ER	BS-1-FB	BS-2-FB	BS-3-FB
	LAB NUMBER:	21002005	20865002	20997010	20997011
	DATE SAMPLED:	02/22/92	02/07/92	02/21/92	02/21/92
	DATA ANALYZED:	03/04/92	02/14/92	03/04/92	03/04/92
	DILUTION FACTOR:	1.0	1.0	1.0	1.0
ANALYTE	CRQL				
trans-1,4-Dichloro-2-Butene	5	5 U	5 U	5 U	5 U
Acetonitrile	100	100 UJ	100 UJ	100 UJ	100 UJ
3-Chloropropene	5	5 UJ	5 UJ	5 UJ	5 UJ
Propionitrile	100	100 UJ	100 UJ	100 UJ	100 UJ
Methacrylonitrile	5	5 UJ	5 UJ	5 UJ	5 UJ
1,4-Dioxane	200	200 U	200 U	200 U	200 U
Methyl Methacrylate	10	10 UJ	10 UJ	10 UJ	10 UJ
1,2-Dibromoethane	5	5 UJ	5 UJ	5 UJ	5 UJ
1,1,1,2-Tetrachloroethane	5	5 UJ	5 UJ	5 UJ	5 UJ
1,2-Dibromo-3-Chloropropane	10	10 UJ	10 UJ	10 UJ	10 UJ
Pentachloroethane	10	10 UJ	10 UJ	10 UJ	10 UJ
Isobutyl alcohol	200	200 UJ	200 UJ	200 UJ	200 UJ
Chloroprene	200	200 UJ	200 UJ	200 UJ	200 UJ

PROJECT: NSB KINGS BAY, GEORGIA

SEMIVOLATILE AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

	SAMPLE LOCATION:	BS-3-ER	BS-4-ER	BS-9-ER	BS-10-ER	BS-1-FB	BS-2-FB	BS-3-FB
	LAB NUMBER:	20867011	20873009	20997007	21002005	20865002	20997010	20997011
	DATE SAMPLED:	02/09/92	02/10/92	02/21/92	02/22/92	02/07/92	02/21/92	02/21/92
	DATE ANALYZED:	03/03/92	02/25/92	03/17/92	03/17/92	02/24/92	03/17/92	03/17/92
	DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SEMIVOLATILES -- METHOD 8270								
ANALYTE	CRQL							
N-Nitrosodimethylamine	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Aniline	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis (2-Chloroethyl) Ether	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2- Chlorophenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3- Dichlorobenzene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4- Dichlorobenzene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Alcohol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2- Dichlorobenzene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2- Methylphenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis (2- Chloroisopropyl) Ether	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-Di-n-Propylamine	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitrophenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzoic Acid	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
bis (2-Chloroethoxy) Methane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-Methylphenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Chloronaphthalene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Dimethylphthalate	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50	50 U	50 UJ	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Dibenzofuran	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-Methylphenol	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
N-Nitrosodiphenylamine	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U

PROJECT: NSB KINGS BAY, GEORGIA

SEMIVOLATILE AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

SAMPLE LOCATION:		BS-3-ER	BS-4-ER	BS-9-ER	BS-10-ER	BS-1-FB	BS-2-FB	BS-3-FB
LAB NUMBER:		20867011	20873009	20997007	21002005	20865002	20997010	20997011
DATE SAMPLED:		02/09/92	02/10/92	02/21/92	02/22/92	02/07/92	02/21/92	02/21/92
DATE ANALYZED:		03/03/92	02/25/92	03/17/92	03/17/92	02/24/92	03/17/92	03/17/92
DILUTION FACTOR:		1.0	1.0	1.0	1.0	1.0	1.0	1.0
SEMIVOLATILES -- METHOD 8270 (continued)								
ANALYTE	CRQL							
1,2-Diphenylhydrazine	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Phenanthrene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-Butylphthalate	10	10 U	10 U	10 U	2 J	10 U	10 U	10 U
Fluoranthene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butylbenzylphthalate	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Benzo (a) Anthracene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis (2-Ethylhexyl) Phthalate	10	10 U	10 U	10 U	2 J	10 U	10 U	10 U
Di-n-Octyl Phthalate	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo (b) Fluoranthene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo (k) Fluoranthene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo (a) Pyrene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno (1,2,3-cd) Pyrene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz (a,h) Anthracene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo (g,h,i) Perylene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Picoline	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Methyl methanesulfonate	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethyl methanesulfonate	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetophenone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosopiperidine	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenyl-tert-butylamine	50	50 UR	50 UR	50 UR	50 UR	50 UR	50 UR	50 UR
2,6-Dichlorophenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-butylamine	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiethylamine	10	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
N-Nitrosopyrrolidine	10	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Benzidine	50	50 U	50 U	50 UJ	50 UJ	50 U	50 UJ	50 UJ
1,2,4,5-Tetrachlorobenzene	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Pentachlorobenzene	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1-Naphthylamine	50	50 U	50 U	50 UJ	50 U	50 U	50 U	50 U
2-Naphthylamine	50	50 U	50 U	50 UJ	50 U	50 U	50 U	50 U
2,3,4,6-Tetrachlorophenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diphenylamine	10	10 UR	10 UR	10 UR	10 UR	10 UR	10 UR	10 UR
Phenacetin	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Aminobiphenyl	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Pentachloronitrobenzene	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Pronamide	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
p-Dimethylaminoazobenzene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
7,12-Dimethylbenz (a) Anthracene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Methylcholanthrene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U

PROJECT: NSB KINGS BAY, GEORGIA

SEMIVOLATILE AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

	SAMPLE LOCATION:	BS-3-ER	BS-4-ER	BS-9-ER	BS-10-ER	BS-1-FB	BS-2-FB	BS-3-FB
	LAB NUMBER:	20867011	20873009	20997007	21002005	20865002	20997010	20997011
	DATE SAMPLED:	02/09/92	02/10/92	02/21/92	02/22/92	02/07/92	02/21/92	02/21/92
	DATE ANALYZED:	03/03/92	02/25/92	03/17/92	03/17/92	02/24/92	03/17/92	03/17/92
	DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SEMIVOLATILES -- METHOD 8270 (continued)								
ANALYTE	CRQL							
Pyridine	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
N-Nitrosomethylethylamine	10	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
N-Nitrosomorpholine	10	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
o-Toluidine	10	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
3- & 4- Methylphenol	20	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Hexachloropropene	50	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ
p-Phenylenediamine	50	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ
Safrole	50	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ
Isosafrole	50	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ
1,4-Naphthoquinone	50	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ
1,3-Dinitrobenzene	10	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
5-Nitro-o-toluidine	10	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
1,3,5-Trinitrobenzene	10	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
4-Nitroquinoline-1-oxide	10	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Methapyrilene	50	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ
3,3'-Dimethylbenzidine	10	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
2-Acetamidofluorene	10	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Hexachlorophene	50	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ

POLYCHLORINATED DIBENZO- FURANS/DIOXINS -- METHOD 8280 (ng/l)

	DATE ANALYZED:	02/12/92	02/17/92	03/06/92	03/04/92	02/12/92	03/06/92	03/05/92
ANALYTE	CRQL							
TCDFs (total)	10	0.32 U	0.019 U	0.034 U	0.082 U	0.041 U	0.079 U	0.14 U
PeCDFs (total)	10	0.44 U	0.052 U	0.060 U	0.12 U	0.086 U	0.13 U	0.15 U
HxCDFs (total)	10	0.66 U	0.12 U	0.22 U	0.15 U	0.22 U	0.18 U	0.57 U
TCDDs (total)	10	0.26 U	0.035 U	0.055 U	0.056 U	0.067 U	0.068 U	0.13 U
2,3,7,8- TCDD	5	0.26 U	0.035 U	0.055 U	0.056 U	0.067 U	0.068 U	0.13 U
PeCDDs (total)	10	1.4 U	0.17 U	0.11 U	0.43 U	0.31 U	0.24 U	0.34 U
HxCDDs (total)	10	0.96 U	0.19 U	0.25 U	0.26 U	0.25 U	0.28 U	0.74 U

PROJECT: NSB KINGS BAY, GEORGIA

PESTICIDE/PCB/HERBICIDE AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

SAMPLE LOCATION:		BS-3-ER	BS-4-ER	BS-9-ER	BS-10-ER	BS-1-FB	BS-2-FB	BS-3-FB
LAB NUMBER:		20867011	20873009	20997007	21002005	20865002	20997010	20997011
DATE SAMPLED:		02/09/92	02/10/92	02/21/92	02/22/92	02/07/92	02/21/92	02/21/92
ORGANOCHLORINE PESTICIDES AND PCBs -- METHOD 8080								
ANALYTE	CRQL							
alpha-BHC	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
beta-BHC	0.02	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
delta-BHC	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
gamma-BHC (Lindane)	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Heptachlor	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Aldrin	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Heptachlor epoxide	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Endosulfan I	0.02	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Dieldrin	0.02	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4,4'- DDE	0.02	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endrin	0.02	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endosulfan II	0.02	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4,4'- DDD	0.02	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endrin Aldehyde	0.02	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endosulfan Sulfate	0.02	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4,4'- DDT	0.02	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Methoxychlor	0.04	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Endrin Ketone	0.02	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Chlordane	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Toxaphene	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1016	0.8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Aroclor-1221	2	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Aroclor-1232	2	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Aroclor-1242	0.8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Aroclor-1248	0.4	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Aroclor-1254	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Aroclor-1260	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzilate	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Diallate	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isodrin	0.02	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Kepone	NR	NR	NR	NR	NR	NR	NR	NR
ORGANOPHOSPHOROUS PESTICIDES -- METHOD 8140								
ANALYTE	CRQL							
Triethylphosphorothioate	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Thionazin	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Phorate	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Sulfotepp	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dimethoate	NR	NR	NR	NR	NR	NR	NR	NR
Disulfoton	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Parathion	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl Parathion	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Famphur	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CHLORINATED HERBICIDES -- METHOD 8150								
ANALYTE	CRQL							
2,4-D	2.5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Silvex	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4,5-T	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dinoseb	NR	NR	NR	NR	NR	NR	NR	NR

PROJECT: NSB KINGS BAY, GEORGIA

INORGANIC AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

	SAMPLE LOCATION:	BS-3-ER	BS-4-ER	BS-9-ER	BS-10-ER	BS-1-FB	BS-2-FB	BS-3-FB
	LAB NUMBER:	20867001	20873009	20997007	21002005	20865002	20997010	20997011
	DATE SAMPLED:	02/09/92	02/10/92	02/21/92	02/22/92	02/07/92	02/21/92	02/21/92
ANALYTE	CRQL							
Antimony	60	10.9 U	10.9 U	10.9 U	10.9 U	10.9 U	10.9 U	10.9 U
Arsenic	10	0.69 U	0.69 U	0.69 U	0.69 U	1.4 J	0.72 J	0.69 U
Barium	200	0.65 U	0.73 U	1.3 J	0.58 U	0.69 U	0.79 J	2.1 J
Beryllium	5	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Cadmium	5	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U
Chromium	10	2.1 U	2.1 U	3.4 J	2.1 U	2.4 J	2.1 UJ	5.1 J
Cobalt	50	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U
Copper	25	2.1 U	3.6 J	10.3 U	2.1 U	2.1 U	3.9 U	5.3 U
Lead	5	0.68 U	0.68 U	0.70 J	1.6 J	0.88 J	0.68 UJ	0.68 UJ
Mercury	0.2	0.16 U	0.16 U	0.16 U	0.16 UJ	0.16 U	0.16 U	0.16 U
Nickel	40	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	4.8 J
Selenium	5	1.3 U	1.3 U	6.4 U	6.4 U	1.3 U	6.4 U	6.4 U
Silver	10	1.7 U	1.7 U	2.1 J	1.7 U	1.7 U	1.7 U	1.7 U
Thallium	10	1.4 U	1.4 U	1.7 U	1.7 UJ	1.4 U	1.7 U	1.7 U
Tin	208	208 U	208 U	208 UJ	208 U	208 U	208 UJ	208 UJ
Vanadium	50	1.7 U	1.7 U	1.7 U	1.7 U	1.9 J	1.7 U	1.7 U
Zinc	20	24.4 U	8.6 U	11.2 U	30.4 U	6.5 U	11.8 U	11.3 U
Cyanide	10	1.8 U	1.8 U	2.8 J	1.8 U	1.8 U	1.8 U	1.8 U
Sulfide	100	100 U	100 U	100 U	100 U	100 U	100 U	100 U

GROUNDWATER SAMPLE EVENT NO. 2 MAY 1992

PROJECT: NSB KINGS BAY, GEORGIA

VOLATILE AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

	SAMPLE LOCATION:	KBA-11-1	KBA-11-2	KBA-11-2D	KBA-11-3	KBA-11-4	KBA-11-5	KBA-11-6	KBA-11-7	KBA-11-8	KBA-11-9
	LAB NUMBER:	21644002	21644007	21644008	21652005	21652006	21652007	21652008	21644006	21644005	21644003
	DATE SAMPLED:	05/07/92	05/07/92	05/07/92	05/08/92	05/08/92	05/08/92	05/08/92	05/07/92	05/07/92	05/07/92
	DATE ANALYZED:	05/13/92	05/14/92	05/14/92	05/14/92	05/14/92	05/14/92	05/14/92	05/14/92	05/13/92	05/13/92
	DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
ANALYTE	CRQL										
Chloromethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10	10 U	64	100	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 U
Methylene Chloride	5	5 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	10	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	16 U	10 U
Carbon Disulfide	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichlorofluoromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	5	5 U	16	22	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	14 U	10 U
1,1,1-Trichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5	5 U	5 U	1 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Chloroethylvinylether	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	5 U	1 J	1 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5	5 U	5 U	1 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5	5 U	5 U	5 U	6	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	5	5 U	2 J	4 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	5	5 U	5 U	5 U	15	5 U	5 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	1 J	5 U	5 U	5 U
1,2-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acrolein	100	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Iodomethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acrylonitrile	100	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Dibromomethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethyl Methacrylate	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2,3-Trichloropropane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

PROJECT: NSB KINGS BAY, GEORGIA

VOLATILE AQUEOUS ANALYSES (ug/l) (continued)

Validation/Summary Table

	SAMPLE LOCATION:	KBA-11-1	KBA-11-2	KBA-11-2D	KBA-11-3	KBA-11-4	KBA-11-5	KBA-11-6	KBA-11-7	KBA-11-8	KBA-11-9
	LAB NUMBER:	21644002	21644007	21644008	21652005	21652006	21652007	21652008	21644006	21644005	21644003
	DATE SAMPLED:	05/07/92	05/07/92	05/07/92	05/08/92	05/08/92	05/08/92	05/08/92	05/07/92	05/07/92	05/07/92
	DATE ANALYZED:	05/13/92	05/14/92	05/14/92	05/14/92	05/14/92	05/14/92	05/14/92	05/14/92	05/13/92	05/13/92
	DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
ANALYTE	CRQL										
trans-1,4-Dichloro-2-Butene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetonitrile	100	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
3-Chloropropene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Propionitrile	100	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Methacrylonitrile	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,4-Dioxane	200	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
Methyl Methacrylate	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dibromoethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,1,2-Tetrachloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dibromo-3-Chloropropane	10	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U
Pentachloroethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isobutyl alcohol	200	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
Chloroprene	200	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U

PROJECT: NSB KINGS BAY, GEORGIA

Validation/Summary Table — SEMIVOLATILE AQUEOUS ANALYSES (ug/l) — Validation/Summary Table

	SAMPLE LOCATION:	KBA-11-1	KBA-11-2	KBA-11-2D	KBA-11-3	KBA-11-4	KBA-11-5	KBA-11-6	KBA-11-7	KBA-11-8	KBA-11-9
	LAB NUMBER:	21644002	21644007	21644008	21652005	21652006	21652007	21652008	21644006	21644005	21644003
	DATE SAMPLED:	05/07/92	05/07/92	05/07/92	05/08/92	05/08/92	05/08/92	05/08/92	05/07/92	05/07/92	05/07/92
	DATE ANALYZED:	05/21/92	05/22/92	05/22/92	05/22/92	05/22/92	05/20/92	05/26/92	05/22/92	05/21/92	05/21/92
	DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SEMIVOLATILES -- METHOD 8270											
ANALYTE	CRQL										
N-Nitrosodimethylamine	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Aniline	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis (2-Chloroethyl) Ether	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10	10 U	10 U	10 U	13	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Alcohol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis (2-Chloroisopropyl) Ether	10	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
N-Nitroso-Di-n-Propylamine	10	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U
Hexachloroethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U
Isophorone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitrophenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzoic Acid	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
bis (2-Chloroethoxy) Methane	10	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 U
2,4-Dichlorophenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-Methylphenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Chloronaphthalene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Dimethylphthalate	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Dibenzofuran	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-Methylphenol	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U

PROJECT: NSB KINGS BAY, GEORGIA — Validation/Summary Table — SEMIVOLATILE AQUEOUS ANALYSES (ug/l) — Validation/Summary Table

SAMPLE LOCATION		KBA-11-1	KBA-11-2	KBA-11-2D	KBA-11-3	KBA-11-4	KBA-11-5	KBA-11-6	KBA-11-7	KBA-11-8	KBA-11-9
LAB NUMBER		21644002	21644007	21644008	21652005	21652006	21652007	21652008	21644006	21644005	21644003
DATE SAMPLED		05/07/92	05/07/92	05/07/92	05/08/92	05/08/92	05/08/92	05/08/92	05/07/92	05/07/92	05/07/92
DATE ANALYZED		05/21/92	05/22/92	05/22/92	05/22/92	05/22/92	05/20/92	05/26/92	05/22/92	05/21/92	05/21/92
DILUTION FACTOR		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SEMIVOLATILES - - METHOD 8270 (continued)											
ANALYTE	CRQL										
N-Nitrosodiphenylamine & Diphenylamine	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Diphenylhydrazine	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Phenanthrene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-Butylphthalate	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butylbenzylphthalate	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Benzo (a) Anthracene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis (2-Ethylhexyl) Phthalate	10	10 U	10 U	10 U	31	10 U	4 J	5 J	10 U	10 U	10 U
Di-n-Octyl Phthalate	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo (b) Fluoranthene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo (k) Fluoranthene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo (a) Pyrene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno (1,2,3-cd) Pyrene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz (a,h) Anthracene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo (g,h,i) Perylene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Picoline	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Methyl methanesulfonate	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethyl methanesulfonate	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetophenone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosopiperidine	10	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U
Phenyl-tert-butylamine	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2,6-Dichlorophenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-butylamine	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiethylamine	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosopyrrolidine	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzidine	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,2,4,5-Tetrachlorobenzene	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Pentachlorobenzene	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1-Naphthylamine	50	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ
2-Naphthylamine	50	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ
2,3,4,6-Tetrachlorophenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenacetin	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Aminobiphenyl	50	50 U	50 UJ	50 UJ	50 UJ	50 UJ	50 U	50 UJ	50 UJ	50 U	50 U
Pentachloronitrobenzene	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Pronamide	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
p-Dimethylaminoazobenzene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
7,12-Dimethylbenz (a) Anthracene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Methylcholanthrene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

PROJECT: NSB KINGS BAY, GEORGIA

Validation/Summary Table — SEMIVOLATILE AQUEOUS ANALYSES (ug/l) — Validation/Summary Table

	SAMPLE LOCATION:	KBA-11-1	KBA-11-2	KBA-11-2D	KBA-11-3	KBA-11-4	KBA-11-5	KBA-11-6	KBA-11-7	KBA-11-8	KBA-11-9
	LAB NUMBER:	21644002	21644007	21644008	21652005	21652006	21652007	21652008	21644006	21644005	21644003
	DATE SAMPLED:	05/07/92	05/07/92	05/07/92	05/08/92	05/08/92	05/08/92	05/08/92	05/07/92	05/07/92	05/07/92
	DATE ANALYZED:	05/21/92	05/22/92	05/22/92	05/22/92	05/22/92	05/20/92	05/26/92	05/22/92	05/21/92	05/21/92
	DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SEMIVOLATILES -- METHOD 8270 (continued)											
ANALYTE	CRQL										
Pyridine	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
N-Nitrosomethylethylamine	10	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
N-Nitrosomorpholine	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
o-Toluidine	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3- & 4- Methylphenol	20	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Hexachloropropene	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
p-Phenylenediamine	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Safrole	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Isosafrole	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,4-Naphthoquinone	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,3-Dinitrobenzene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
5-Nitro-o-toluidine	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3,5-Trinitrobenzene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroquinoline-1-oxide	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methapyrilene	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
3,3'-Dimethylbenzidine	10	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 U
2-Acetamidofluorene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorophene	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
POLYCHLORINATED DIBENZO-FURANS/DIOXINS -- METHOD 8280 (ng/l)											
	DATE ANALYZED:	05/21/92	05/22/92	05/22/92	05/26/92	05/26/92	05/26/92	05/26/92	05/22/92	05/22/92	05/22/92
ANALYTE	CRQL (ng/l)										
TCDFs (total)	10	0.022 U	0.021 U	0.016 U	0.055 U	0.051 U	0.049 U	0.052 U	0.024 U	0.023 U	0.029 U
PeCDFs (total)	10	0.033 U	0.028 U	0.023 U	0.11 U	0.16 U	0.13 U	0.13 U	0.036 U	0.033 U	0.030 U
HxCDFs (total)	10	0.068 U	0.069 U	0.055 U	0.21 U	0.27 U	0.23 U	0.35 U	0.096 U	0.066 U	0.062 U
TCDDs (total)	10	0.054 U	0.038 U	0.042 U	0.078 U	0.11 U	0.12 U	0.11 U	0.036 U	0.035 U	0.053 U
2,3,7,8-TCDD	5	0.054 U	0.038 U	0.042 U	0.078 U	0.11 U	0.12 U	0.11 U	0.036 U	0.035 U	0.053 U
PeCDDs (total)	10	0.082 U	0.069 U	0.057 U	0.30 U	0.38 U	0.26 U	0.36 U	0.084 U	0.074 U	0.076 U
HeCDDs (total)	10	0.081 U	0.083 U	0.075 U	0.33 U	0.35 U	0.36 U	0.37 U	0.12 U	0.086 U	0.090 U

PROJECT: NSB KINGS BAY, GEORGIA

PESTICIDE/PCB/HERBICIDE AQUEOUS ANALYSES (ug/l) — Validation/Summary Table

SAMPLE LOCATION:		KBA-11-1	KBA-11-2	KBA-11-2D	KBA-11-3	KBA-11-4	KBA-11-5	KBA-11-6
LAB NUMBER:		21644002	21644007	21644008	21652005	21652006	21652007	21652008
DATE SAMPLED:		05/07/92	05/07/92	05/07/92	05/08/92	05/08/92	05/08/92	05/08/92
ORGANOCHLORINE PESTICIDES AND PCBs -- METHOD 8080								
ANALYTE	CRQL							
alpha-BHC	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
beta-BHC	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
delta-BHC	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
gamma-BHC (Lindane)	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Aldrin	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor epoxide	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Endosulfan I	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Dieldrin	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
4,4'- DDE	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfan II	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
4,4'- DDD	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin Aldehyde	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfan Sulfate	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
4,4'- DDT	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Methoxychlor	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Endrin Ketone	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Chlordane	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toxaphene	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1016	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1221	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1232	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1242	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1248	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1254	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1260	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzilate	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Diallate	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isodrin	0.02	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Kepone	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
ORGANOPHOSPHOROUS PESTICIDES -- METHOD 8140								
ANALYTE	CRQL							
Triethylphosphorothioate	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Thionazin	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Phorate	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Sulfotepp	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dimethoate	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Disulfoton	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Parathion	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl Parathion	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Famphur	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CHLORINATED HERBICIDES -- METHOD 8150								
ANALYTE	CRQL							
2,4-D	2.5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Silvex	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4,5-T	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dinoseb	2.5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

PROJECT: NSB KINGS BAY, GEORGIA — PESTICIDE/PCB/HERBICIDE AQUEOUS ANALYSES (ug/l) — Validation/Summary Table

	SAMPLE LOCATION:	KBA-11-7	KBA-11-8	KBA-11-9
	LAB NUMBER:	21644006	21644005	21644003
	DATE SAMPLED:	05/07/92	05/07/92	05/07/92
ORGANOCHLORINE PESTICIDES AND PCBs -- METHOD 8080 (continued)				
ANALYTE	CRQL			
alpha-BHC	0.05	0.05 U	0.05 U	0.05 U
beta-BHC	0.05	0.05 U	0.05 U	0.05 U
delta-BHC	0.05	0.05 U	0.05 U	0.05 U
gamma-BHC (Lindane)	0.05	0.05 U	0.05 U	0.05 U
Heptachlor	0.05	0.05 U	0.05 U	0.05 U
Aldrin	0.05	0.05 U	0.05 U	0.05 U
Heptachlor epoxide	0.05	0.05 U	0.05 U	0.05 U
Endosulfan I	0.05	0.05 U	0.05 U	0.05 U
Dieldrin	0.10	0.10 U	0.10 U	0.10 U
4,4'- DDE	0.10	0.10 U	0.10 U	0.10 U
Endrin	0.10	0.10 U	0.10 U	0.10 U
Endosulfan II	0.10	0.10 U	0.10 U	0.10 U
4,4'- DDD	0.10	0.10 U	0.10 U	0.10 U
Endrin Aldehyde	0.10	0.10 U	0.10 U	0.10 U
Endosulfan Sulfate	0.10	0.10 U	0.10 U	0.10 U
4,4'- DDT	0.10	0.10 U	0.10 U	0.10 U
Methoxychlor	0.50	0.50 U	0.50 U	0.50 U
Endrin Ketone	0.10	0.10 U	0.10 U	0.10 U
Chlordane	0.50	0.50 U	0.50 U	0.50 U
Toxaphene	1.0	1.0 U	1.0 U	1.0 U
Aroclor-1016	0.50	0.50 U	0.50 U	0.50 U
Aroclor-1221	0.50	0.50 U	0.50 U	0.50 U
Aroclor-1232	0.50	0.50 U	0.50 U	0.50 U
Aroclor-1242	0.50	0.50 U	0.50 U	0.50 U
Aroclor-1248	0.50	0.50 U	0.50 U	0.50 U
Aroclor-1254	1.0	1.0 U	1.0 U	1.0 U
Aroclor-1260	1.0	1.0 U	1.0 U	1.0 U
Chlorobenzilate	0.5	0.5 U	0.5 U	0.5 U
Diallate	1	1 U	1 U	1 U
Isodrin	0.02	0.02 U	0.02 U	0.02 U
Kepone	1.0	1.0 U	1.0 U	1.0 U
ORGANOPHOSPHOROUS PESTICIDES -- METHOD 8140				
ANALYTE	CRQL			
Triethylphosphorothioate	1	1 U	1 U	1 U
Thionazin	1	1 U	1 U	1 U
Phorate	1	1 U	1 U	1 U
Sulfotepp	1	1 U	1 U	1 U
Dimethoate	5	5 U	5 U	5 U
Disulfoton	1	1 U	1 U	1 U
Methyl Parathion	1	1 U	1 U	1 U
Ethyl Parathion	1	1 U	1 U	1 U
Famphur	1	1 U	1 U	1 U
CHLORINATED HERBICIDES -- METHOD 8150				
ANALYTE	CRQL			
2,4-D	2.5	2.5 U	2.5 U	2.5 U
Silvex	0.5	0.5 U	0.5 U	0.5 U
2,4,5-T	0.5	0.5 U	0.5 U	0.5 U
Dinoseb	2.5	2.5 U	2.5 U	2.5 U

PROJECT: NSB KINGS BAY, GEORGIA

INORGANIC AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

ANALYTE	CRQL	KBA-11-1	KBA-11-2	KBA-11-2D	KBA-11-3	KBA-11-4	KBA-11-5	KBA-11-6	KBA-11-7	KBA-11-8	KBA-11-9
SAMPLE LOCATION:		KBA-11-1	KBA-11-2	KBA-11-2D	KBA-11-3	KBA-11-4	KBA-11-5	KBA-11-6	KBA-11-7	KBA-11-8	KBA-11-9
LAB NUMBER:		21644002	21644007	21644008	21652005	21652006	21652007	21652008	21644006	21644005	21644003
DATE SAMPLED:		05/07/92	05/07/92	05/07/92	05/08/92	05/08/92	05/08/92	05/08/92	05/07/92	05/07/92	05/07/92
Antimony	60	11.0 U	11.0 U	11.0 U	11.0 U	11.0 U	11.0 U	11.0 U	11.0 U	11.0 U	11.0 U
Arsenic	10	0.70 UJ	0.70 UJ	3.5 UJ	0.70 U	0.70 U	0.70 U	3.5 U	0.70 UJ	1.7 J	0.70 UJ
Barium	200	95.7 J	26.2 J	25.9 J	54.2 J	30.2 J	71.7 J	34.6 J	26.2 J	43.4 J	43.8 J
Beryllium	5	2.3 J	1.7 J	1.7 J	1.1 J	2.2 J	4.0 J	2.3 J	1.7 J	1.7 J	2.3 J
Cadmium	5	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.3 J	1.0 UJ
Chromium	10	92.8	38.1	37.2	20.8	29.0	27.1	40.5	54.6	23.8	49.1
Cobalt	50	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U
Copper	25	21.7 J	6.4 J	6.2 J	4.4 J	3.1 J	6.2 J	7.9 J	10.3 J	13.7 J	14.2 J
Lead	5	23.3	4.5	5.6	3.9 J	3.9 J	2.9 J	4.3 J	3.8 J	4.0 J	12.2
Mercury	0.2	0.11 J	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Nickel	40	7.8 U	7.8 U	7.8 U	7.8 UJ	7.8 UJ	7.8 UJ	7.8 UJ	7.8 U	7.8 U	7.8 U
Selenium	5	5.6	2.7 J	2.9 J	3.8 J	2.4 J	0.55 J	2.5 J	3.4 J	1.7 J	5.4
Silver	10	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Thallium	10	0.80 U	0.80 U	0.80 U	1.6 J	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Tin	208	23.3 U	23.3 U	23.3 U	23.3 U	23.3 U	23.3 U	23.3 U	23.3 U	23.3 U	23.3 U
Vanadium	50	29.9 J	20.2 J	24.5 J	44.3 J	59.4	64.5	25.7 J	25.0 J	33.2 J	42.8 J
Zinc	20	7.6 U	7.5 U	10.3 U	19.5 U	10.9 U	555	9.3 U	6.5 U	23.4 U	8.7 U
Cyanide	10	1.8 UJ	6.1 J	6.1 J	1.8 UJ	10.8 J	1.8 UJ	1.8 UJ	1.8 UJ	26.2 J	1.8 UJ
Sulfide	100	500	2600	1000	200	300	1500	100 U	200	2900	300

TRIP BLANKS
SOURCE WATER BLANKS
SAMPLE EVENT NO. 2
MAY 1992

PROJECT: NSB KINGS BAY, GEORGIA

VOLATILE AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

	SAMPLE LOCATION:	BT-12-FB	BT-13-FB	BT-14-FB	BT-15-FB	BT-16-FB	BS-12-ER	BS-13-ER
	LAB NUMBER:	21599004	21616001	21628001	21644001	21652001	21599001	21616005
	DATE SAMPLED:	05/04/92	05/05/92	05/06/92	05/07/92	05/08/92	05/04/92	05/05/92
	DATA ANALYZED:	05/08/92	05/08/92	05/13/92	05/13/92	05/14/92	05/08/92	05/08/92
	DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0	1.0	1.0
ANALYTE	CRQL							
Chloromethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	5	5 U	5 U	5 U	5 U	5 U	6 U	5 U
Acetone	10	10 U	10 U	10 U	16 U	10 UJ	100 U	72 U
Carbon Disulfide	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichlorofluoromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	5	4 J	5 U	4 J	5 U	5 U	8	11
1,2-Dichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	10	10 U	18	11	15	10 U	71	42
1,1,1-Trichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	5	5 U	5 U	5 U	5 U	5 U	2 J	4 J
1,2-Dichloropropane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	2 J
1,1,2-Trichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Chloroethylvinylether	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5	5 U	5 U	5 U	5 U	5 U	2 J	5 U
Ethylbenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	5	1 J	5 U	5 U	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acrolein	100	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Iodomethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acrylonitrile	100	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Dibromomethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethyl Methacrylate	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2,3-Trichloropropane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U

PROJECT: NSB KINGS BAY, GEORGIA

VOLATILE AQUEOUS ANALYSES (ug/l) (continued)

Validation/Summary Table

	SAMPLE LOCATION:	BT-12-FB	BT-13-FB	BT-14-FB	BT-15-FB	BT-16-FB	BS-12-ER	BS-13-ER
	LAB NUMBER:	21599004	21616001	21628001	21644001	21652001	21599001	21616005
	DATE SAMPLED:	05/04/92	05/05/92	05/06/92	05/07/92	05/08/92	05/04/92	05/05/92
	DATA ANALYZED:	05/08/92	05/08/92	05/13/92	05/13/92	05/14/92	05/08/92	05/08/92
	DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0	1.0	1.0
ANALYTE	CRQL							
trans-1,4-Dichloro-2-Butene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetonitrile	100	100 U	100 U	100 U	100 U	100 U	36 J	100 U
3-Chloropropene	5	5 U	5 U	5 U	5 U	5 U	3 J	5 U
Propionitrile	100	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Methacrylonitrile	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,4-Dioxane	200	200 U	200 U	200 U	200 U	200 U	200 U	200 U
Methyl Methacrylate	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dibromoethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,1,2-Tetrachloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dibromo-3-Chloropropane	10	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ
Pentachloroethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isobutyl alcohol	200	200 U	200 U	200 U	200 U	200 U	200 U	200 U
Chloroprene	200	200 U	200 U	200 U	200 U	200 U	200 U	200 U

PROJECT: NSB KINGS BAY, GEORGIA

VOLATILE AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

	SAMPLE LOCATION:	BS-14-ER	BS-15-ER	BS-16-ER	BS-4-FB	BS-5-FB
	LAB NUMBER:	21628004	21644004	21652004	21652003	21652002
	DATE SAMPLED:	05/06/92	05/07/92	05/08/92	05/08/92	05/08/92
	DATE ANALYZED:	05/13/92	05/13/92	05/15/92	05/14/92	05/14/92
	DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0
ANALYTE	CRQL					
Chloromethane	10	10 U	10 U	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10	10 U	10 U	10 U	10 U	10 U
Chloroethane	10	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	5	5 U	6 U	5 U	5 U	5 U
Acetone	10	280	210	58	35 J	10 UJ
Carbon Disulfide	5	5 U	5 U	5 U	5 U	5 U
Trichlorofluoromethane	5	5 U	5 U	5 U	5 U	2 J
1,1-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	5	5 U	5 U	5 U	5 U	5 U
Chloroform	5	3 J	2 J	9	16	5 U
1,2-Dichloroethane	5	5 U	5 U	5 U	5 U	5 U
2-Butanone	10	170	220	27	28	10 U
1,1,1-Trichloroethane	5	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	10	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	5	5 U	5 U	4 J	6	5 U
1,2-Dichloropropane	5	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	5	5 U	5 U	2 J	3 J	5 U
1,1,2-Trichloroethane	5	5 U	5 U	5 U	5 U	5 U
Benzene	5	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U	5 U
2-Chloroethylvinylether	10	10 U	10 U	10 U	10 U	10 U
Bromoform	5	5 U	5 U	5 U	5 U	5 U
2-Hexanone	10	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	10	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5	5 U	5 U	5 U	5 U	5 U
Toluene	5	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5	2 J	2 J	5 U	2 J	5 U
Ethylbenzene	5	5 U	5 U	5 U	5 U	5 U
Styrene	5	5 U	5 U	5 U	5 U	5 U
Xylene (total)	5	5 U	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U
Acrolein	100	100 U	100 U	100 U	100 U	100 U
Iodomethane	10	10 U	10 U	10 U	10 U	10 U
Acrylonitrile	100	100 U	100 U	100 U	100 U	100 U
Dibromomethane	5	5 U	5 U	5 U	5 U	5 U
Ethyl Methacrylate	5	5 U	5 U	5 U	5 U	5 U
1,2,3-Trichloropropane	5	5 U	5 U	5 U	5 U	5 U

PROJECT: NSB KINGS BAY, GEORGIA

VOLATILE AQUEOUS ANALYSES (ug/l) (continued)

Validation/Summary Table

	SAMPLE LOCATION:	BS-14-ER	BS-15-ER	BS-16-ER	BS-4-FB	BS-5-FB
	LAB NUMBER:	21628004	21644004	21652004	21652003	21652002
	DATE SAMPLED:	05/06/92	05/07/92	05/08/92	05/08/92	05/08/92
	DATE ANALYZED:	05/13/92	05/13/92	05/15/92	05/14/92	05/14/92
	DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0
ANALYTE	CRQL					
trans-1,4-Dichloro-2-Butene	5	5 U	5 U	5 U	5 U	5 U
Acetonitrile	100	100 U	100 U	100 U	100 U	100 U
3-Chloropropene	5	5	5 U	5 U	5 U	5 U
Propionitrile	100	100 U	100 U	100 U	100 U	100 U
Methacrylonitrile	5	5 U	5 U	5 U	5 U	5 U
1,4-Dioxane	200	200 U	200 U	200 U	200 U	200 U
Methyl Methacrylate	10	10 U	10 U	10 U	10 U	10 U
1,2-Dibromoethane	5	5 U	5 U	5 U	5 U	5 U
1,1,1,2-Tetrachloroethane	5	5 U	5 U	5 U	5 U	5 U
1,2-Dibromo-3-Chloropropane	10	10 UJ	10 U	10 U	10 UJ	10 UJ
Pentachloroethane	10	10 U	10 U	10 U	10 U	10 U
Isobutyl alcohol	200	200 U	200 U	200 U	200 U	200 U
Chloroprene	200	200 U	200 U	200 U	200 U	200 U

PROJECT: NSB KINGS BAY, GEORGIA

SEMIVOLATILE AQUEOUS ANALYSES (ug/l) — Validation/Summary Table

	SAMPLE LOCATION:	BS-12-ER	BS-13-ER	BS-14-ER	BS-15-ER	BS-16-ER	BS-4-FB	BS-5-FB
	LAB NUMBER:	21599001	21616005	21628004	21644004	21652004	21652003	21652002
	DATE SAMPLED:	05/04/92	05/05/92	05/06/92	05/07/92	05/08/92	05/08/92	05/08/92
	DATE ANALYZED:	05/20/92	05/20/92	05/21/92	05/21/92	05/22/92	05/22/92	05/22/92
	DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SEMIVOLATILES -- METHOD 8270								
ANALYTE	CRQL							
N-nitrosodimethylamine	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Aniline	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis (2-Chloroethyl) Ether	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2- Chlorophenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3- Dichlorobenzene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4- Dichlorobenzene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Alcohol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2- Dichlorobenzene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2- Methylphenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis (2- Chloroisopropyl) Ether	10	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
N-Nitroso-Di-n-Propylamine	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitrophenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzoic Acid	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
bis (2-Chloroethoxy) Methane	10	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
2,4-Dichlorophenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-Methylphenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Chloronaphthalene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Dimethylphthalate	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Dibenzofuran	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	10	10 U	10 U	10 U	10 U	10 U	2 J	10 U
4-Chlorophenyl-phenylether	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-Methylphenol	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U

PROJECT: NSB KINGS BAY, GEORGIA

INORGANIC AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

	SAMPLE LOCATION:	BS-12-ER	BS-13-ER	BS-14-ER	BS-15-ER	BS-16-ER	BS-4-FB	BS-5-FB
	LAB NUMBER:	21599001	21616005	21628004	21644004	21652004	21652003	21652002
	DATE SAMPLED:	05/04/92	05/05/92	05/06/92	05/07/92	05/08/92	05/08/92	05/08/92
ANALYTE	CRQL							
Antimony	60	11.0 U	11.0 U	11.0 U	11.0 U	11.0 U	11.0 U	11.0 U
Arsenic	10	0.70 UJ	0.70 U	0.70 UJ	0.70 UJ	0.70 U	0.70 U	0.70 U
Barium	200	0.54 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
Beryllium	5	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Cadmium	5	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U
Chromium	10	3.3 U	3.3 U	6.0 J	3.3 U	3.3 U	4.1 J	3.3 U
Cobalt	50	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U
Copper	25	28.9	33.0	205	51.6	108	15.2 J	1.1 U
Lead	5	1.8 U	0.90 J	2.1 U	1.0 U	0.90 J	0.90 J	0.50 U
Mercury	0.2	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Nickel	40	7.8 U	7.8 UJ	7.8 U	7.8 U	9.0 J	7.8 UJ	7.8 UJ
Selenium	5	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
Silver	10	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Thallium	10	0.80 U	0.90 J	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Tin	208	23.3 U	23.3 U	23.3 U	23.3 U	23.3 U	23.3 U	23.3 U
Vanadium	50	1.3 UJ	1.3 U	1.3 UJ	1.3 UJ	1.3 U	1.3 U	1.3 U
Zinc	20	7.0 U	6.0 U	21.6	8.3 U	16.1 U	4.3 U	3.4 U
Cyanide	10	1.8 U	1.8 U	1.8 U	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ
Sulfide	100	100 U	100 U	100 U	100 U	100 U	100 U	100 U

PROJECT: NSB KINGS BAY, GEORGIA

SEMIVOLATILE AQUEOUS ANALYSES (ug/l) — Validation/Summary Table

SAMPLE LOCATION:		BS-12-ER	BS-13-ER	BS-14-ER	BS-15-ER	BS-16-ER	BS-4-FB	BS-5-FB
LAB NUMBER:		21599001	21616005	21628004	21644004	21652004	21652003	21652002
DATE SAMPLED:		05/04/92	05/05/92	05/06/92	05/07/92	05/08/92	05/08/92	05/08/92
DATE ANALYZED:		05/20/92	05/20/92	05/21/92	05/21/92	05/22/92	05/22/92	05/22/92
DILUTION FACTOR:		1.0	1.0	1.0	1.0	1.0	1.0	1.0
SEMIVOLATILES -- METHOD 8270 (continued)								
ANALYTE	CRQL							
N-Nitrosodiphenylamine & Diphenylamine	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Diphenylhydrazine	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Phenanthrene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-Butylphthalate	10	10 U	14 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butylbenzylphthalate	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Benzo (a) Anthracene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis (2-Ethylhexyl) Phthalate	10	10 U	3 J	10 U	10 U	10 U	3 J	10 U
Di-n-Octyl Phthalate	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo (b) Fluoranthene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo (k) Fluoranthene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo (a) Pyrene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno (1,2,3-cd) Pyrene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz (a,h) Anthracene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo (g,h,i) Perylene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Picoline	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Methyl methanesulfonate	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethyl methanesulfonate	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetophenone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosopiperidine	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenyl-tert-butylamine	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2,6-Dichlorophenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-butylamine	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiethylamine	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosopyrrolidine	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzidine	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,2,4,5-Tetrachlorobenzene	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Pentachlorobenzene	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1-Naphthylamine	50	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ
2-Naphthylamine	50	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ
2,3,4,6-Tetrachlorophenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenacetin	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Aminobiphenyl	50	50 U	50 U	50 U	50 U	50 UJ	50 UJ	50 UJ
Pentachloronitrobenzene	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Pronamide	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
p-Dimethylaminoazobenzene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
7,12-Dimethylbenz (a) Anthracene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Methylcholanthrene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U

PROJECT: NSB KINGS BAY, GEORGIA

SEMIVOLATILE AQUEOUS ANALYSES (ug/l) — Validation/Summary Table

	SAMPLE LOCATION:	BS-12-ER	BS-13-ER	BS-14-ER	BS-15-ER	BS-16-ER	BS-4-FB	BS-5-FB
	LAB NUMBER:	21599001	21616005	21628004	21644004	21652004	21652003	21652002
	DATE SAMPLED:	05/04/92	05/05/92	05/06/92	05/07/92	05/08/92	05/08/92	05/08/92
	DATE ANALYZED:	05/20/92	05/20/92	05/21/92	05/21/92	05/22/92	05/22/92	05/22/92
	DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SEMIVOLATILES -- METHOD 8270 (continued)								
ANALYTE	CRQL							
Pyridine	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
N-Nitrosomethylethylamine	10	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U
N-Nitrosomorpholine	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
o-Toluidine	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3- & 4- Methylphenol	20	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Hexachloropropene	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
p-Phenylenediamine	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Safrole	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Isosafrole	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,4-Naphthoquinone	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,3-Dinitrobenzene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
5-Nitro-o-toluidine	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3,5-Trinitrobenzene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroquinoline-1-oxide	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methapyrilene	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
3,3'-Dimethylbenzidine	10	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
2-Acetamidofluorene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorophene	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U
POLYCHLORINATED DIBENZO- FURANS/DIOXINS -- METHOD 8280 (ng/l)								
	DATE ANALYZED:	05/12/92	05/20/92	05/21/92	05/22/92	05/26/92	05/26/92	05/26/92
ANALYTE	CRQL (ng/l)							
TCDFs (total)	10	0.029 U	0.048 U	0.014 U	0.021 U	0.027 U	0.044 U	0.047 U
PeCDFs (total)	10	0.035 U	0.066 U	0.029 U	0.026 U	0.079 U	0.073 U	0.10 U
HxCDFs (total)	10	0.060 U	0.15 U	0.054 U	0.048 U	0.19 U	0.18 U	0.25 U
TCDDs (total)	10	0.038 U	0.074 U	0.033 U	0.048 U	0.058 U	0.060 U	0.095 U
2,3,7,8- TCDD	5	0.038 U	0.074 U	0.033 U	0.048 U	0.058 U	0.060 U	0.095 U
PeCDDs (total)	10	0.092 U	0.22 U	0.067 U	0.068 U	0.20 U	0.17 U	0.25 U
HxCDDs (total)	10	0.071 U	0.28 U	0.060 U	0.062 U	0.37 U	0.25 U	0.38 U

PROJECT: NSB KINGS BAY, GEORGIA — PESTICIDE/PCB/HERBICIDE AQUEOUS ANALYSES (ug/l) — Validation/Summary Table

SAMPLE LOCATION:		BS-12-ER	BS-13-ER	BS-14-ER	BS-15-ER	BS-16-ER	BS-4-FB	BS-5-FB
LAB NUMBER:		21599001	21616005	21628004	21644004	21652004	21652003	21652002
DATE SAMPLED:		05/04/92	05/05/92	05/06/92	05/07/92	05/08/92	05/08/92	05/08/92
ORGANOCHLORINE PESTICIDES AND PCBs -- METHOD 8080								
ANALYTE	CRQL							
alpha-BHC	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
beta-BHC	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
delta-BHC	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
gamma-BHC (Lindane)	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Aldrin	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor epoxide	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Endosulfan I	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Dieldrin	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
4,4'- DDE	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfan II	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
4,4'- DDD	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin Aldehyde	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfan Sulfate	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
4,4'- DDT	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Methoxychlor	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Endrin Ketone	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Chlordane	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toxaphene	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1016	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1221	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1232	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1242	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1248	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1254	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1260	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzilate	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Diallate	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isodrin	0.02	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Kepone	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
ORGANOPHOSPHOROUS PESTICIDES -- METHOD 8140								
ANALYTE	CRQL							
Triethylphosphorothioate	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Thionazin	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Phorate	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Sulfotepp	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dimethoate	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Disulfoton	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Parathion	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl Parathion	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Famphur	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CHLORINATED HERBICIDES -- METHOD 8150								
ANALYTE	CRQL							
2,4-D	2.5	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Silvex	0.5	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4,5-T	0.5	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dinoseb	2.5	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

GROUNDWATER
SAMPLE EVENT NO. 3
JULY 1992

PROJECT: NSB KINGS BAY, GEORGIA

VOLATILE AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

SAMPLE LOCATION:		KBA-11-1	KBA-11-2	KBA-11-2D	KBA-11-3	KBA-11-4	KBA-11-5	KBA-11-6
LAB NUMBER:		22201001	22191001	22191002	22201004	22201006	22201007	22201008
DATE SAMPLED:		07/10/92	07/09/92	07/09/92	07/10/92	07/10/92	07/10/92	07/10/92
DATA ANALYZED:		07/13/92	07/10/92	07/13/92	07/13/92	07/13/92	07/13/92	07/13/92
DILUTION FACTOR:		1.0	1.0	1.0	1.0	1.0	1.0	1.0
VOLATILES -- METHOD 8240								
ANALYTE	CRQL							
Chloromethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10	10 U	63	150	10 U	10 U	10 U	10 U
Chloroethane	10	10 U	10 U	5 J	10 U	10 U	10 U	10 U
Methylene Chloride	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichlorofluoromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	5	5 U	5	10	5 U	5 U	5 U	5 U
Chloroform	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	10	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ
Bromodichloromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5	5 U	5 U	2 J	5 U	5 U	5 U	5 U
Chlorobenzene	5	5 U	5 U	5 U	4 J	5 U	5 U	5 U
Ethylbenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	5	5 U	5 U	2 J	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	5	5 U	5 U	5 U	13	5 U	5 U	5 U
1,4-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	1 J
1,2-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U

PROJECT: NSB KINGS BAY, GEORGIA

VOLATILE AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

	SAMPLE LOCATION:	KBA-11-7	KBA-11-8	KBA-11-9
	LAB NUMBER:	22191004	22191007	22191012
	DATE SAMPLED:	07/09/92	07/09/92	07/09/92
	DATA ANALYZED:	07/13/92	07/13/92	07/17/92
	DILUTION FACTOR:	1.0	1.0	1.0
VOLATILES -- METHOD 8240 (continued)				
ANALYTE	CRQL			
Chloromethane	10	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U
Vinyl Chloride	10	10 U	10 U	10 U
Chloroethane	10	10 U	10 U	10 U
Methylene Chloride	5	5 U	5 U	5 U
Acetone	10	10 U	10 U	17 U
Carbon Disulfide	5	5 U	5 U	5 U
Trichlorofluoromethane	5	5 U	5 U	5 U
1,1-Dichloroethene	5	5 U	5 U	5 U
1,1-Dichloroethane	5	5 U	5 U	5 U
1,2-Dichloroethene (total)	5	5 U	5 U	5 U
Chloroform	5	5 U	5 U	5 U
1,2-Dichloroethane	5	5 U	5 U	5 U
2-Butanone	10	10 U	10 U	10 U
1,1,1-Trichloroethane	5	5 U	5 U	5 U
Carbon Tetrachloride	5	5 U	5 U	5 U
Vinyl Acetate	10	10 UJ	10 UJ	10 UJ
Bromodichloromethane	5	5 U	5 U	5 U
1,2-Dichloropropane	5	5 U	5 U	5 U
cis-1,3-Dichloropropene	5	5 U	5 U	5 U
Trichloroethene	5	5 U	5 U	5 U
Dibromochloromethane	5	5 U	5 U	5 U
1,1,2-Trichloroethane	5	5 U	5 U	5 U
Benzene	5	5 U	5 U	5 U
trans-1,3-Dichloropropene	5	5 U	5 U	5 U
Bromoform	5	5 U	5 U	5 U
2-Hexanone	10	10 U	10 U	10 U
4-Methyl-2-Pentanone	10	10 U	10 U	10 U
Tetrachloroethene	5	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5	5 U	5 U	5 U
Toluene	5	5 U	5 U	5 U
Chlorobenzene	5	5 U	5 U	5 U
Ethylbenzene	5	5 U	5 U	5 U
Styrene	5	5 U	5 U	5 U
Xylene (total)	5	5 U	5 U	5 U
1,3-Dichlorobenzene	5	5 U	5 U	5 U
1,4-Dichlorobenzene	5	5 U	5 U	5 U
1,2-Dichlorobenzene	5	5 U	5 U	5 U

PROJECT: NSB KINGS BAY, GEORGIA — INORGANIC AQUEOUS ANALYSES (ug/l) — Validation/Summary Table

SAMPLE LOCATION:		KBA-11-1	KBA-11-1F	KBA-11-2	KBA-11-2D	KBA-11-2F	KBA-11-3	KBA-11-3D
LAB NUMBER:		22201001	22201003	22191001	22191002	22191003	22201004	22201015
DATE SAMPLED:		07/10/92	07/10/92	07/09/92	07/09/92	07/09/92	07/10/92	07/10/92
ANALYTE	CRQL							
Antimony	60	12.4 U	12.4 U	12.4 U	12.4 U	12.4 U	12.4 U	12.4 U
Arsenic	10	1.00 U	1.00 U	2.4 J	2.4 J	1.4 J	2.7 J	2.6 J
Barium	200	61.4 J	37.9 J	30.2 J	24.0 J	5.8 J	49.0 J	57.6 J
Beryllium	5	0.32 J	0.20 U	0.49 J	0.26 J	0.24 U	0.45 J	0.73 J
Cadmium	5	3.0 J	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Chromium	10	32.9	1.9 UJ	27.2	27.9	1.9 U	34.3	38.7
Cobalt	50	1.6 J	1.6 U	4.6 U	5.6 U	4.1 U	1.6 U	1.6 J
Copper	25	128 J	17.1 J	27.8	16.1 U	9.1 U	27.6 J	72.6 J
Lead	5	24.6 J	0.94 U	8.5 J	10.3 J	2.5 J	12.4 J	87.2 J
Mercury	0.2	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Nickel	40	89.1	10.7 U	23.9 J	23.6 J	10.7 U	10.7 U	61.4
Selenium	5	2.0 J	1.9 U	1.9 U	2.2 J	1.9 U	6.4	5.5
Silver	10	1.5 U	1.5 U	1.7 J	1.5 U	1.5 U	1.5 U	1.5 U
Thallium	10	2.1 U	2.1 U	2.1 UJ	2.1 UJ	2.1 UJ	2.1 U	2.1 U
Vanadium	50	8.6 J	1.3 U	13.4 J	11.6 J	4.1 J	26.4 U	26.4 U
Zinc	20	208 J	14.1 J	48.5 U	43.2 U	74.3	26.2 J	30.2 J
Cyanide	10	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	37.3 J	128 J
Tin	200	26.4 U	26.4 U	26.4 U	26.4 U	26.4 U	4.4 J	2.2 U
Sulfide	100	200 U	100 U	300	200	200	200	200
Total Dissolved Solids (mg/L)		67	---	182	225	---	932	---
Total Suspended Solids (mg/L)		258	---	198	338	---	693	---

PROJECT: NSB KINGS BAY, GEORGIA — INORGANIC AQUEOUS ANALYSES (ug/l) — Validation/Summary Table

SAMPLE LOCATION:		KBA-11-3F	KBA-11-4	KBA-11-4F	KBA-11-5	KBA-11-5F	KBA-11-6	KBA-11-6F
LAB NUMBER:		22202001	22201006	22202002	22201007	22202003	22201008	22202004
DATE SAMPLED:		07/10/92	07/10/92	07/10/92	07/10/92	07/10/92	07/10/92	07/10/92
ANALYTE	CRQL							
Antimony	60	12.4 U	12.4 U	12.4 U	12.4 U	12.4 U	12.4 U	12.4 U
Arsenic	10	1.00 U	3.3 J	1.00 U	6.7 J	1.4 J	1.1 J	1.00 U
Barium	200	14.9 U	27.4 J	12.2 U	158 J	8.4 U	41.5 J	12.2 U
Beryllium	5	0.20 U	0.80 J	0.20 U	2.4 J	0.20 U	0.54 J	0.20 U
Cadmium	5	2.7 U	2.7 U	2.7 U	2.7 U	3.1 J	2.7 U	2.7 U
Chromium	10	2.7 J	43.6	1.9 UJ	157	1.9 UJ	38.5	1.9 UJ
Cobalt	50	1.6 U	2.8 J	1.6 U	6.1 J	2.0 J	1.6 U	1.8 J
Copper	25	9.1 UJ	72.3 J	10.2 UJ	239 J	6.8 UJ	114 J	8.0 UJ
Lead	5	0.94 U	23.9 J	0.94 U	33.1 J	1.0 J	6.7 J	1.2 J
Mercury	0.2	0.16 U	0.19 J	0.16 U	0.46	0.16 U	0.16 U	0.16 U
Nickel	40	10.7 U	42.3	10.7 U	68.2	10.7 U	66.3	10.7 U
Selenium	5	1.9 U	5.2	1.9 U	1.9 U	1.9 U	3.5 J	1.9 U
Silver	10	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Thallium	10	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Vanadium	50	26.4 U	26.4 U	26.4 U	26.4 U	26.4 U	26.4 U	26.4 U
Zinc	20	2.9 J	26.0 J	1.8 J	82.5	2.2 J	14.6 J	1.3 U
Cyanide	10	25.7 J	237 J	9.4 J	320 J	49.4 J	178 J	77.0 J
Tin	200	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Sulfide	100	100 U	200	100 U	100 U	100 U	200	100 U
Total Dissolved Solids (mg/L)		---	403	---	2110	---	70	---
Total Suspended Solids (mg/L)		---	713	---	392	---	505	---

see notes at end of table

PROJECT: NSB KINGS BAY, GEORGIA

INORGANIC AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

ANALYTE	CRQL	KBA-11-7	KBA-11-7F	KBA-11-8	KBA-11-8F	KBA-11-9	KBA-11-9F
SAMPLE LOCATION:		KBA-11-7	KBA-11-7F	KBA-11-8	KBA-11-8F	KBA-11-9	KBA-11-9F
LAB NUMBER:		22191004	22191005	22191007	22191008	22191012	22191013
DATE SAMPLED:		07/09/92	07/09/92	07/09/92	07/09/92	07/09/92	07/09/92
Antimony	60	12.4 U	12.4 U	12.4 U	12.4 U	12.4 U	12.4 U
Arsenic	10	1.9 J	1.00 UJ	3.7 J	2.0 J	3.6 J	2.5 J
Barium	200	65.5 J	12.1 J	30.8 J	15.4 J	44.2 J	7.4 J
Beryllium	5	0.75 J	0.24 U	0.54 J	0.24 U	0.91 J	0.24 U
Cadmium	5	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Chromium	10	77.2	1.9 U	29.3	3.5 U	44.8	4.6 U
Cobalt	50	5.9 U	3.4 U	6.7 U	5.9 U	6.5 U	4.6 U
Copper	25	19.6 J	1.8 U	81.4	4.7 U	69.1	24.0 J
Lead	5	16.1 J	0.98 J	4.1 J	1.6 J	8.8 J	1.1 J
Mercury	0.2	0.16 U	0.16 U	0.16 U	0.16 U	0.19 J	0.16 U
Nickel	40	10.7 U	10.7 U	78.7	10.7 U	18.1 J	10.7 U
Selenium	5	2.9 J	1.9 U	4.2 J	1.9 U	4.3 J	1.9 U
Silver	10	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Thallium	10	2.1 UJ	2.1 UJ	2.1 UJ	2.1 UJ	2.1 UJ	2.1 UJ
Vanadium	50	26.4 U	26.4 U	26.4 U	26.4 U	26.4 U	26.4 U
Zinc	20	23.8 J	1.4 J	15.2 J	1.8 J	32.0 J	4.5 J
Cyanide	10	22.0 U	14.7 U	101	16.5 U	74.0	33.9 U
Tin	200	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Sulfide	100	200	100 U	300	100 U	100	100
Total Dissolved Solids (mg/L)		1440	---	607	---	143	---
Total Suspended Solids (mg/L)		102	---	653	---	913	---

notes:

---	= analysis not requested or performed
KBA-XX-X	= unfiltered groundwater sample
KBA-XX-XD	= duplicate, unfiltered groundwater sample
KBA-XX-XF	= filtered groundwater sample
KBA-XX-XDF	= duplicate, filtered groundwater sample

TRIP BLANKS
SOURCE WATER BLANKS
SAMPLE EVENT NO. 3
JULY 1992

PROJECT: NSB KINGS BAY, GEORGIA

VOLATILE AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

SAMPLE LOCATION:		BT-17-FB	BT-18-FB	BT-19-FB	BT-20-FB	BS-17-ER	BS-18-ER	BS-19-ER
LAB NUMBER:		22191006	22201002	22205002	22203001	22191011	22201005	22205001
DATE SAMPLED:		07/09/92	07/10/92	07/11/92	07/12/92	07/09/92	07/10/92	07/11/92
DATA ANALYZED:		07/10/92	07/13/92	07/20/92	07/20/92	07/13/92	07/13/92	07/20/92
DILUTION FACTOR:		1.0	1.0	1.0	1.0	1.0	1.0	1.0
VOLATILES - - METHOD 8240								
ANALYTE	CRQL							
Chloromethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichlorofluoromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	10	10 U	10 UJ	10 U	10 U	10 UJ	10 UJ	10 U
Bromodichloromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	5	5 U	5 U	5 UJ	5 UJ	5 U	5 U	5 UJ
2-Hexanone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	10	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 UJ
Tetrachloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5	5 U	5 U	5 UJ	5 UJ	5 U	5 U	5 UJ
Toluene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	5	5 U	5 U	5 UJ	5 UJ	5 U	5 U	5 UJ
1,2-Dichlorobenzene	5	5 U	5 U	5 UJ	5 UJ	5 U	5 U	5 UJ

PROJECT: NSB KINGS BAY, GEORGIA

VOLATILE AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

SAMPLE LOCATION:		BS-20-ER	BS-06-FB	BS-08-FB	BT-21-FB
LAB NUMBER:		22203002	22208003	22208002	22208004
DATE SAMPLED:		07/12/92	07/13/92	07/13/92	07/13/92
DATE ANALYZED:		07/20/92	07/21/92	07/20/92	07/21/92
DILUTION FACTOR:		1.0	1.0	1.0	1.0
VOLATILES -- METHOD 8240 (continued)					
ANALYTE	CRQL				
Chloromethane	10	10 U	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U	10 U
Vinyl Chloride	10	10 U	10 U	10 U	10 U
Chloroethane	10	10 U	10 U	10 U	10 U
Methylene Chloride	5	5 U	5 U	5 U	18 U
Acetone	10	10 U	10 U	10 U	10 U
Carbon Disulfide	5	5 U	5 U	5 U	5 U
Trichlorofluoromethane	5	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	5	5 U	5 U	5 U	5 U
Chloroform	5	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5	5 U	5 U	5 U	5 U
2-Butanone	10	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	5	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	5 U	5 U	5 U	5 U
Vinyl Acetate	10	10 U	10 U	10 U	10 U
Bromodichloromethane	5	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U
Trichloroethene	5	5 U	5 U	5 U	5 U
Dibromochloromethane	5	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5	5 U	5 U	5 U	5 U
Benzene	5	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U
Bromoform	5	5 UJ	5 UJ	5 UJ	5 UJ
2-Hexanone	10	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	10	10 UJ	10 UJ	10 UJ	10 UJ
Tetrachloroethene	5	5 U	5 U	5 U	5 UJ
1,1,2,2-Tetrachloroethane	5	5 UJ	5 UJ	5 UJ	5 U
Toluene	5	5 U	5 U	5 U	5 U
Chlorobenzene	5	5 U	5 U	5 U	5 U
Ethylbenzene	5	5 U	5 U	5 U	5 U
Styrene	5	5 U	5 U	5 U	5 U
Xylene (total)	5	2 J	5 U	5 U	5 U
1,3-Dichlorobenzene	5	5 U	5 U	5 U	5 UJ
1,4-Dichlorobenzene	5	5 UJ	5 UJ	5 UJ	5 UJ
1,2-Dichlorobenzene	5	5 UJ	5 UJ	5 UJ	5 UJ

PROJECT: NSB KINGS BAY, GEORGIA

INORGANIC AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

ANALYTE	CRQL	BS-17-ER	BS-18-ER	BS-19-ER	BS-20-ER	BS-06-FB	BS-07-FB	BS-08-FB
SAMPLE LOCATION:		BS-17-ER	BS-18-ER	BS-19-ER	BS-20-ER	BS-06-FB	BS-07-FB	BS-08-FB
LAB NUMBER:		22191011	22201005	22205001	22203002	22208003	22208001	22208002
DATE SAMPLED:		07/09/92	07/10/92	07/11/92	07/12/92	07/13/92	07/13/92	07/13/92
Antimony	60	12.4 U	12.4 U	12.4 U	12.4 UJ	12.4 U	12.4 U	12.4 U
Arsenic	10	1.00 UJ	1.00 U	1.00 UJ	1.00 U	1.00 U	1.00 U	1.00 U
Barium	200	1.0 J	6.4 U	0.57 U	9.5 U	1.0 U	0.57 U	1.3 U
Beryllium	5	0.24 U	0.20 U	0.24 U	0.24 UJ	0.28 J	0.24 UJ	0.24 UJ
Cadmium	5	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Chromium	10	2.9 U	1.9 UJ	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Cobalt	50	5.4 U	1.6 U	1.6 U	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ
Copper	25	9.1 U	6.8 UJ	5.9 U	18.5 J	2.6 J	3.1 J	1.8 U
Lead	5	1.5 J	0.94 U	0.94 UJ	4.3 U	0.94 U	0.94 U	0.94 U
Mercury	0.2	0.16 U	0.16 U	0.17 U	0.16 U	0.16 U	0.16 U	0.16 U
Nickel	40	10.7 U	10.7 U	10.7 U	10.7 U	10.7 U	10.7 U	10.7 U
Selenium	5	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Silver	10	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Thallium	10	2.1 UJ	2.1 U	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U
Vanadium	50	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Zinc	20	12.9 U	14.9 J	35.9 U	22.8	7.6 U	7.6 U	7.6 U
Cyanide	10	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Tin	200	26.4 U	26.4 U	26.4 U	26.4 U	26.4 U	26.4 U	26.4 U
Sulfide	100	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Total Dissolved Solids (mg/L)		20	10 U	10 U	10 U	10 U	---	10 U
Total Suspended Solids (mg/L)		4	4 U	4 U	4 U	4 U	---	4 U

GROUNDWATER
SAMPLE EVENT NO. 4
SEPTEMBER 1992

PROJECT: NSB KINGS BAY, GEORGIA

VOLATILE AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

SAMPLE LOCATION:		KBA-11-1	KBA-11-2	KBA-11-2D	KBA-11-3	KBA-11-4	KBA-11-5	KBA-11-6
LAB NUMBER:		22711002	22711005	22711014	22711006	22711007	22711010	22711011
DATE SAMPLED:		09/10/92	09/09/92	09/09/92	09/10/92	09/10/92	09/10/92	09/10/92
DATE ANALYZED:		09/17/92	09/18/92	09/18/92	09/23/92	09/17/92	09/17/92	09/23/92
DILUTION FACTOR:		1.0	1.0	1.0	1.0	1.0	1.0	1.0
VOLATILES -- METHOD 8240								
ANALYTE	CRQL							
Chloromethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10	10 U	48 J	71 J	10 U	10 U	10 U	10 U
Chloroethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	5	7 U	5 U	5 U	7 U	6 U	6 U	5 U
Acetone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichlorofluoromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	5	5 U	5 U	8 J	5 U	5 U	5 U	5 U
Chloroform	5	5 U	4 J	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5	5 U	5 U	1 J	5 U	5 U	5 U	5 U
Chlorobenzene	5	5 U	5 U	5 U	4 J	5 U	5 U	5 U
Ethylbenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	5	5 U	5 U	5 U	15	5 U	5 U	2 J
1,2-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U

PROJECT: NSB KINGS BAY, GEORGIA

VOLATILE AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

SAMPLE LOCATION:		KBA-11-7	KBA-11-8	KBA-11-9
LAB NUMBER:		22711012	22711001	22711013
DATE SAMPLED:		09/10/92	09/10/92	09/10/92
DATE ANALYZED:		09/16/92	09/16/92	09/23/92
DILUTION FACTOR:		1.0	1.0	1.0
VOLATILES - - METHOD 8240 (continued)				
ANALYTE	CRQL			
Chloromethane	10	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U
Vinyl Chloride	10	10 U	10 U	10 U
Chloroethane	10	10 U	10 U	10 U
Methylene Chloride	5	6 U	8 U	5 U
Acetone	10	10 U	11 U	10 U
Carbon Disulfide	5	5 U	5 U	5 U
Trichlorofluoromethane	5	5 U	5 U	5 U
1,1-Dichloroethene	5	5 U	5 U	5 U
1,1-Dichloroethane	5	5 U	5 U	5 U
1,2-Dichloroethene (total)	5	5 U	5 U	5 U
Chloroform	5	5 U	5 U	5 U
1,2-Dichloroethane	5	5 U	5 U	5 U
2-Butanone	10	10 U	10 U	10 U
1,1,1-Trichloroethane	5	5 U	5 U	5 U
Carbon Tetrachloride	5	5 U	5 U	5 U
Vinyl Acetate	10	10 U	10 U	10 U
Bromodichloromethane	5	5 U	5 U	5 U
1,2-Dichloropropane	5	5 U	5 U	5 U
cis-1,3-Dichloropropene	5	5 U	5 U	5 U
Trichloroethene	5	5 U	5 U	5 U
Dibromochloromethane	5	5 U	5 U	5 U
1,1,2-Trichloroethane	5	5 U	5 U	5 U
Benzene	5	5 U	5 U	5 U
trans-1,3-Dichloropropene	5	5 U	5 U	5 U
Bromoform	5	5 U	5 U	5 U
2-Hexanone	10	10 U	10 U	10 U
4-Methyl-2-Pentanone	10	10 U	10 U	10 U
Tetrachloroethene	5	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5	5 U	5 U	5 U
Toluene	5	5 U	5 U	5 U
Chlorobenzene	5	5 U	5 U	5 U
Ethylbenzene	5	5 U	5 U	5 U
Styrene	5	5 U	5 U	5 U
Xylene (total)	5	5 U	5 U	5 U
1,3-Dichlorobenzene	5	5 U	5 U	5 U
1,4-Dichlorobenzene	5	5 U	5 U	5 U
1,2-Dichlorobenzene	5	5 U	5 U	5 U

PROJECT: NSB KINGS BAY, GEORGIA

VOLATILE AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

SAMPLE LOCATION:		KBA-11-1	KBA-11-2	KBA-11-2D	KBA-11-3	KBA-11-8
LAB NUMBER:		117488R1	117489R1	117490R1	117494R1	117487R1
DATE SAMPLED:		09/10/92	09/09/92	09/09/92	09/10/92	09/10/92
DATA ANALYZED:		09/17/92	09/18/92	09/17/92	09/18/92	09/17/92
DILUTION FACTOR:		1.0	1.0	1.0	1.0	1.0
VOLATILES - - METHOD 8010/8020						
ANALYTE	CRQL					
Chloromethane	1.0	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Bromomethane	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	1.0	1.0 U	15 J	100 J	1.0 U	1.0 U
Chloroethane	1.0	1.0 U	1.0 U	3.3	1.0 U	1.0 U
Methylene Chloride	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	1.0	1.0 U	1.0 U	4.8	1.0 U	1.0 U
trans-1,2-Dichloroethene	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chloroethyl vinyl ether	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1.0	1.0 U	1.0 U	1.1	1.0 U	1.0 U
Chlorobenzene	1.0	1.0 U	1.0 U	1.0 U	3.1	1.0 U
Ethylbenzene	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylene (total)	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

PROJECT: NSB KINGS BAY, GEORGIA — INORGANIC AQUEOUS ANALYSES (ug/l) — Validation/Summary Table

ANALYTE	CRQL	KBA-11-1	KBA-11-1F	KBA-11-2	KBA-11-2D	KBA-11-2F	KBA-11-3	KBA-11-3F
SAMPLE LOCATION:		KBA-11-1	KBA-11-1F	KBA-11-2	KBA-11-2D	KBA-11-2F	KBA-11-3	KBA-11-3F
LAB NUMBER:		22711002	22710002	22711015	22711016	22710006	22711019	22710005
DATE SAMPLED:		09/09/92	09/09/92	09/09/92	09/09/92	09/09/92	09/09/92	09/09/92
Antimony	60	12.4 U	12.4 U	12.4 U	12.4 U	12.4 U	12.4 U	12.4 U
Arsenic	10	2.2 J	1.0 U	3.2 J	2.7 J	1.2 J	4.3 J	1.0 U
Barium	200	50.3 J	27.0 U	26.4 J	19.0 J	5.7 U	97.7 J	11.2 U
Beryllium	5	0.61 J	0.24 U	0.42 J	0.24 U	0.24 U	0.91 J	0.24 U
Cadmium	5	2.7 U	2.7 U	2.7 U	2.7 U	2.8 J	3.5 J	2.7 U
Chromium	10	38.7	2.6 J	27.6	21.9	1.9 U	70.1	1.9 U
Cobalt	50	1.6 U	1.6 U	1.6 U	1.6 U	2.0 U	3.2 J	1.6 UJ
Copper	25	48.5	6.0 J	35.2	10.2 J	3.0 J	14.8 J	1.8 U
Lead	5	11.2 J	1.4 U	11.9 J	6.7 UJ	6.4	10.1 J	5.4
Mercury	0.2	0.72	0.03 UJ	0.60	0.61	0.03 UJ	0.61	0.03 UJ
Nickel	40	10.7 U	10.7 U	34.0 J	10.7 U	10.7 U	10.9 J	10.7 U
Selenium	5	2.1 UJ	2.1 U	2.7 J	2.1 UJ	2.1 U	5.9 J	2.1 U
Silver	10	1.9 J	1.5 U	3.4 J	2.8 J	1.5 U	3.0 J	1.5 U
Thallium	10	1.6 UJ	1.6 U	1.6 UJ	1.6 UJ	1.6 U	1.6 UJ	1.6 U
Vanadium	50	12.3 J	2.0 U	15.7 J	10.0 J	5.2 U	54.8	2.0 U
Zinc	20	53.8 J	15.5 J	64.0 J	32.9 J	11.4 J	44.7 J	8.4 J
Cyanide	10	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	4.2 J	3.2 J
Tin	200	26.4 U	26.4 U	26.4 U	26.4 U	26.4 U	26.4 U	26.4 U
Sulfide	100	100 U	100 U	200	100 U	300	200	200
Total Dissolved Solids (mg/L)		79	---	298	282	---	1090	---
Total Suspended Solids (mg/L)		352	---	420	665	---	1010	---

PROJECT: NSB KINGS BAY, GEORGIA — INORGANIC AQUEOUS ANALYSES (ug/l) — Validation/Summary Table

ANALYTE	CRQL	KBA-11-4	KBA-11-4F	KBA-11-5	KBA-11-5F	KBA-11-6	KBA-11-6F	KBA-11-7
SAMPLE LOCATION:		KBA-11-4	KBA-11-4F	KBA-11-5	KBA-11-5F	KBA-11-6	KBA-11-6F	KBA-11-7
LAB NUMBER:		22711007	22710003	22711010	22710004	22711011	22710007	22711012
DATE SAMPLED:		09/10/92	09/10/92	09/10/92	09/10/92	09/10/92	09/10/92	09/10/92
Antimony	60	12.4 U	12.4 U	12.4 U	12.4 U	12.4 U	12.4 U	12.4 U
Arsenic	10	3.2 J	1.0 U	8.2 J	1.0 J	3.0 J	1.0 U	10.3
Barium	200	32.1 J	10.0 U	122 J	5.9 U	69.6 J	8.1 U	95.6 J
Beryllium	5	0.69 J	0.24 U	1.9 J	0.24 U	1.3 J	0.24 U	1.4 J
Cadmium	5	2.7 U	2.7 U	2.7 U	2.7 U	3.2 J	2.7 U	2.7 U
Chromium	10	40.0	1.9 U	129	1.9 U	76.0	1.9 U	132
Cobalt	50	1.6 U	1.6 UJ	4.0 J	1.6 UJ	2.6 J	1.6 UJ	2.6 J
Copper	25	17.2 J	1.8 U	107	6.3 J	19.3 J	5.7 J	173
Lead	5	13.3 J	2.9 J	22.0 J	3.1	19.4 J	4.6	11.1 J
Mercury	0.2	4.1	0.03 UJ	0.72	0.03 UJ	0.72	0.03 UJ	0.91
Nickel	40	10.7 U	10.7 U	37.6 J	10.7 U	10.7 U	10.7 U	83.0
Selenium	5	3.9 J	2.1 U	2.1 UJ	2.1 U	2.1 UJ	2.1 U	2.1 UJ
Silver	10	2.7 J	1.5 U	4.8 J	1.5 U	4.1 J	1.5 U	1.5 J
Thallium	10	1.6 UJ	1.6 U	1.6 UJ	1.6 U	1.6 UJ	1.6 U	1.6 UJ
Vanadium	50	28.6 J	1.3 U	70.0	2.0 U	30.1 J	1.3 U	45.6 J
Zinc	20	36.4 J	8.4 J	278 J	66.5 J	39.0 J	11.4 J	291 J
Cyanide	10	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Tin	200	26.4 U	26.4 U	26.4 U	26.4 U	26.4 U	26.4 U	26.4 U
Sulfide	100	200	100 U	200	200	300	100 U	500
Total Dissolved Solids (mg/L)		870	---	233	---	122	---	53
Total Suspended Solids (mg/L)		544	---	1060	---	995	---	1090

see notes at end of table

PROJECT: NSB KINGS BAY, GEORGIA — INORGANIC AQUEOUS ANALYSES (ug/l) — Validation/Summary Table

ANALYTE	CRQL	KBA-11-7F	KBA-11-8	KBA-11-8F	KBA-11-9	KBA-11-9D	KBA-11-9F
SAMPLE LOCATION:		KBA-11-7F	KBA-11-8	KBA-11-8F	KBA-11-9	KBA-11-9D	KBA-11-9F
LAB NUMBER:		22710008	22711001	22710001	22711013	22711018	22710009
DATE SAMPLED:		09/10/92	09/09/92	09/09/92	09/10/92	09/10/92	09/10/92
Antimony	60	12.4 U	12.4 U	12.4 U	12.4 U	12.4 U	12.4 U
Arsenic	10	1.0 U	3.8 J	2.5 J	7.5 J	3.5 J	1.0 U
Barium	200	8.4 U	22.2 J	13.0 U	91.9 J	52.4 J	4.5 U
Beryllium	5	0.24 U	0.38 J	0.24 U	2.4 J	1.4 J	0.24 U
Cadmium	5	2.7 U	7.1	3.9 J	2.7 U	2.7 U	2.7 U
Chromium	10	1.9 U	18.9	1.9 U	100	68.1	4.4 J
Cobalt	50	1.6 UJ	3.2 J	1.6 UJ	2.6 J	1.8 J	2.9 U
Copper	25	14.2 J	28.6	3.9 J	27.4	23.5 J	52.4
Lead	5	3.8	5.0 UJ	1.4 U	11.6 J	7.5 UJ	3.5
Mercury	0.2	0.03 UJ	0.55	0.03 UJ	0.49	0.61	0.03 UJ
Nickel	40	10.7 U	23.4 J	10.7 U	11.3 J	13.0 J	10.7 U
Selenium	5	2.1 U	2.1 UJ	2.1 U	2.7 J	2.1 UJ	2.1 U
Silver	10	1.5 U	10.1 J	1.5 U	1.9 J	2.8 J	2.5 J
Thallium	10	1.6 U	1.6 UJ	1.6 U	1.6 UJ	1.6 UJ	1.6 U
Vanadium	50	1.3 U	11.6 J	1.3 U	61.3	41.3 J	8.8 U
Zinc	20	27.4 J	39.8 J	52.6 J	56.5 J	41.4 J	32.4 J
Cyanide	10	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Tin	200	26.4 U	26.4 U	26.4 U	26.4 U	26.4 U	26.4 U
Sulfide	100	100 U	200	300	100 U	200	100 U
Total Dissolved Solids (mg/L)		---	595	---	144	---	---
Total Suspended Solids (mg/L)		---	236	---	468	---	---

notes:

---	= analysis not requested or performed
KBA-XX-X	= unfiltered groundwater sample
KBA-XX-XD	= duplicate, unfiltered groundwater sample
KBA-XX-XF	= filtered groundwater sample
KBA-XX-XDF	= duplicate, filtered groundwater sample

TRIP BLANKS
SOURCE WATER BLANKS
SAMPLE EVENT NO. 4
SEPTEMBER 1992

PROJECT: NSB KINGS BAY, GEORGIA

VOLATILE AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

SAMPLE LOCATION:		BT-23-FB	BT-24-FB	BS-22-ER	BS-23-ER	BS-10-FB	BS-12-FB
LAB NUMBER:		22711003	22711009	22711004	22711008	22725008	22725009
DATE SAMPLED:		09/09/92	09/10/92	09/09/92	09/10/92	09/13/92	09/13/92
DATA ANALYZED:		09/18/92	09/23/92	09/23/92	09/17/92	09/24/92	09/24/92
DILUTION FACTOR:		1.0	1.0	1.0	1.0	1.0	1.0
VOLATILES -- METHOD 8240							
ANALYTE	CRQL						
Chloromethane	10	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	10	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	5	4 J	6	5 U	6 U	5 U	5 U
Acetone	10	10 U	10	10 U	10 U	6 J	7 J
Carbon Disulfide	5	5 U	5 U	5 U	5 U	5 U	5 U
Trichlorofluoromethane	5	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	5	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	5	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	10	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	10	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	5	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	5	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	5	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	5	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	10	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	10	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	5	5 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	5	5 U	5 U	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U

PROJECT: NSB KINGS BAY, GEORGIA

VOLATILE AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

	SAMPLE LOCATION:	BT-22-FB	BS-22-ER	BS-09-FB
	LAB NUMBER:	117492R1	117491R1	117493R1
	DATE SAMPLED:	09/09/92	09/10/92	09/09/92
	DATA ANALYZED:	09/18/92	09/17/92	09/18/92
	DILUTION FACTOR:	1.0	1.0	1.0
VOLATILES -- METHOD 8010/8020				
ANALYTE	CRQL			
Chloromethane	1.0	1.0 UJ	1.0 UJ	1.0 UJ
Bromomethane	1.0	1.0 U	1.0 U	1.0 U
Vinyl Chloride	1.0	1.0 U	1.0 U	1.0 U
Chloroethane	1.0	1.0 U	1.0 U	1.0 U
Methylene Chloride	1.0	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	1.0	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	1.0	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	1.0	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	1.0	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	1.0	1.0 U	1.0 U	1.0 U
Chloroform	1.0	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	1.0	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	1.0	1.0 U	1.0 U	1.0 U
2-Chloroethyl vinyl ether	1.0	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane	1.0	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether	1.0	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	1.0	1.0 U	1.0 U	1.0 U
Bromodichloromethane	1.0	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1.0	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	1.0	1.0 U	1.0 U	1.0 U
Trichloroethene	1.0	1.0 U	1.0 U	1.0 U
Dibromochloromethane	1.0	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1.0	1.0 U	1.0 U	1.0 U
Benzene	1.0	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	1.0	1.0 U	1.0 U	1.0 U
Bromoform	1.0	1.0 U	1.0 U	1.0 U
Tetrachloroethene	1.0	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	1.0	1.0 U	1.0 U	1.0 U
Toluene	1.0	1.0 U	1.0 U	1.0 U
Chlorobenzene	1.0	1.0 U	1.0 U	1.0 U
Ethylbenzene	1.0	1.0 U	1.0 U	1.0 U
Xylene (total)	1.0	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	1.0	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	1.0	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	1.0	1.0 U	1.0 U	1.0 U

PROJECT: NSB KINGS BAY, GEORGIA

INORGANIC AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

ANALYTE	CRQL	BS-22-ER	BS-23-ER	BS-10-FB	BS-11-FB	BS-12-FB
SAMPLE LOCATION:		BS-22-ER	BS-23-ER	BS-10-FB	BS-11-FB	BS-12-FB
LAB NUMBER:		22711017	22711008	22725008	22725010	22725009
DATE SAMPLED:		09/09/92	09/10/92	09/13/92	09/13/92	09/13/92
Antimony	60	12.4 U	12.4 U	12.4 U	12.4 U	12.4 U
Arsenic	10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Barium	200	0.62 J	1.2 J	1.1 U	38.9 J	1.2 U
Beryllium	5	0.24 U	0.24 U	0.24 U	0.47 J	0.24 U
Cadmium	5	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Chromium	10	1.9 U	1.9 U	2.8 J	3.5 J	3.9 J
Cobalt	50	1.6 U	1.6 U	1.6 U	3.2 J	1.6 U
Copper	25	1.8 U	1.8 U	1.8 U	1.8 U	6.2 J
Lead	5	2.5 UJ	2.1 UJ	0.91 U	2.1 U	1.3 U
Mercury	0.2	0.03 U	0.03 U	0.22 U	0.03 U	0.18 U
Nickel	40	10.7 U	10.7 U	10.7 U	10.7 U	10.7 U
Selenium	5	2.1 UJ	2.1 UJ	2.1 U	2.1 U	2.1 U
Silver	10	1.5 UJ	1.5 UJ	1.5 U	1.5 U	1.8 J
Thallium	10	1.6 UJ	1.6 UJ	1.6 U	1.6 U	1.6 U
Vanadium	50	1.3 U	1.3 U	1.3 U	6.3 J	1.3 J
Zinc	20	13.1 U	10.0 U	7.7 J	16.0 J	8.4 J
Cyanide	10	2.2 U	2.2 U	2.2 UJ	2.2 UJ	2.2 UJ
Tin	200	26.4 U	26.4 U	26.4 U	26.4 U	26.4 U
Sulfide	100	100 U	100 U	100 U	100 U	100 U
Total Dissolved Solids (mg/L)		29	13	10 U	---	10 U
Total Suspended Solids (mg/L)		4	4 U	4 U	---	4 U

GROUNDWATER
SAMPLE EVENT NO. 5
NOVEMBER 1992

PROJECT: NSB KINGS BAY, GEORGIA

VOLATILE AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

SAMPLE LOCATION:		KBA-11-1	KBA-11-2	KBA-11-2D	KBA-11-3	KBA-11-4	KBA-11-5	KBA-11-6
LAB NUMBER:		34467004	34467005	34467006	34464007	34464006	34464005	34464004
DATE SAMPLED:		11/10/92	11/10/92	11/10/92	11/11/92	11/11/92	11/11/92	11/11/92
DATE ANALYZED:		11/24/92	11/24/92	11/24/92	11/24/92	11/24/92	11/24/92	11/24/92
DILUTION FACTOR:		1.0	1.0	1.0	1.0	1.0	1.0	1.0
VOLATILES -- METHOD 8240								
ANALYTE	CRQL							
Chloromethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10	10 U	140	160	10 U	10 U	10 U	10 U
Chloroethane	10	10 U	3 J	3 J	10 U	10 U	10 U	10 U
Methylene Chloride	5	5 U	5 U	5 U	13 U	13 U	13 U	5 U
Acetone	10	31 U	10 U	10 U	10 U	10 U	11 U	17 U
Carbon Disulfide	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichlorofluoromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	5	5 U	11	13	5 U	5 U	5 U	5 U
Chloroform	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5	5 U	5 U	3 J	5 U	5 U	5 U	5 U
Chlorobenzene	5	5 U	5 U	5 U	3 J	5 U	5 U	5 U
Ethylbenzene	5	5 U	1 J	1 J	5 U	5 U	5 U	5 U
Styrene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	5	5 U	4 J	2 J	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	5	5 U	1 J	1 J	28	5 U	5 U	5 U
1,2-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U

PROJECT: NSB KINGS BAY, GEORGIA

VOLATILE AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

VOLATILES -- METHOD 8240 (continued)

ANALYTE	CRQL	KBA-11-7	KBA-11-8	KBA-11-9
SAMPLE LOCATION:		KBA-11-7	KBA-11-8	KBA-11-9
LAB NUMBER:		34464003	34467003	34467002
DATE SAMPLED:		11/11/92	11/10/92	11/10/92
DATE ANALYZED:		11/24/92	11/24/92	11/24/92
DILUTION FACTOR:		1.0	1.0	1.0
Chloromethane	10	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U
Vinyl Chloride	10	10 U	10 U	10 U
Chloroethane	10	10 U	10 U	10 U
Methylene Chloride	5	12 U	9 U	5 U
Acetone	10	10 U	10 U	29 U
Carbon Disulfide	5	5 U	5 U	5 U
Trichlorofluoromethane	5	5 U	5 U	5 U
1,1-Dichloroethene	5	5 U	5 U	5 U
1,1-Dichloroethane	5	5 U	5 U	5 U
1,2-Dichloroethene (total)	5	5 U	5 U	5 U
Chloroform	5	5 U	5 U	5 U
1,2-Dichloroethane	5	5 U	5 U	5 U
2-Butanone	10	10 U	10 U	10 U
1,1,1-Trichloroethane	5	5 U	5 U	5 U
Carbon Tetrachloride	5	5 U	5 U	5 U
Vinyl Acetate	10	10 U	10 U	10 U
Bromodichloromethane	5	5 U	5 U	5 U
1,2-Dichloropropane	5	5 U	5 U	5 U
cis-1,3-Dichloropropene	5	5 U	5 U	5 U
Trichloroethene	5	5 U	5 U	5 U
Dibromochloromethane	5	5 U	5 U	5 U
1,1,2-Trichloroethane	5	5 U	5 U	5 U
Benzene	5	5 U	5 U	5 U
trans-1,3-Dichloropropene	5	5 U	5 U	5 U
Bromoform	5	5 U	5 U	5 U
2-Hexanone	10	10 U	10 U	10 U
4-Methyl-2-Pentanone	10	10 U	10 U	10 U
Tetrachloroethene	5	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5	5 U	5 U	5 U
Toluene	5	5 U	5 U	5 U
Chlorobenzene	5	5 U	5 U	5 U
Ethylbenzene	5	5 U	5 U	5 U
Styrene	5	5 U	5 U	5 U
Xylene (total)	5	5 U	5 U	5 U
1,3-Dichlorobenzene	5	5 U	5 U	5 U
1,4-Dichlorobenzene	5	5 U	5 U	5 U
1,2-Dichlorobenzene	5	5 U	5 U	5 U

PROJECT: NSB KINGS BAY, GEORGIA — INORGANIC AQUEOUS ANALYSES (ug/l) — Validation/Summary Table

SAMPLE LOCATION:		KBA-11-1	KBA-11-1F	KBA-11-2	KBA-11-2F	KBA-11-2D	KBA-11-2DF	KBA-11-3
LAB NUMBER:		23248004	23248008	23248005	23248009	23248006	23248010	23266008
DATE SAMPLED:		11/10/92	11/10/92	11/10/92	11/10/92	11/10/92	11/10/92	11/11/92
ANALYTE	CRQL							
Antimony	60	10.7 U	10.7 U	10.7 U	10.7 U	10.7 U	10.7 U	10.7 UJ
Arsenic	10	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U
Barium	200	30.7 J	19.7 J	15.5 J	5.1 J	14.8 J	5.3 J	24.6 J
Beryllium	5	0.51 J	0.22 U	0.41 J	0.22 U	0.35 J	0.22 U	0.29 J
Cadmium	5	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Chromium	10	25.1	2.9 U	15.1	9.0 J	15.3	4.2 J	14.5
Cobalt	50	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U
Copper	25	10.0 J	2.3 U	7.7 J	2.3 U	5.7 J	2.9 J	6.2 J
Lead	3	11.1	1.4 U	6.6	1.4 U	5.0	1.4 U	7.2
Mercury	0.2	0.17 U	0.08 U	0.24 U	0.08 U	0.11 U	0.31 U	0.14 J
Nickel	40	8.1 J	11.0 J	7.4 J	6.5 J	5.7 J	5.3 U	5.3 U
Selenium	5	2.1 U	2.1 U	2.1 U	2.1 U	2.6 J	2.1 U	3.0 J
Silver	10	2.0 U	2.0 U	2.0 U	2.0 U	2.4 J	2.0 J	2.0 U
Thallium	10	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Vanadium	50	9.1 J	2.6 U	8.0 J	4.3 J	9.5 J	5.1 J	12.5 J
Zinc	20	28.9	9.6 U	29.6	9.6 UJ	12.8 J	9.6 U	17.3 J
Cyanide	10	1.3 J	0.84 U	3.1 J	0.84 U	3.2 J	2.2 J	4.6 J
Tin	200	12.7 U	12.7 U	12.7 U	12.7 U	12.7 U	15.9 J	12.7 U
Sulfide	100	100 U	100 U	200	100	200	100 U	300
Total Dissolved Solids (mg/L)		28	---	240	---	130	---	627
Total Suspended Solids (mg/L)		100	---	169	---	187	---	264

PROJECT: NSB KINGS BAY, GEORGIA — INORGANIC AQUEOUS ANALYSES (ug/l) — Validation/Summary Table

SAMPLE LOCATION:		KBA-11-3F	KBA-11-4	KBA-11-4F	KBA-11-5	KBA-11-5F	KBA-11-6	KBA-11-6F
LAB NUMBER:		23266012	23266007	23266011	23266006	23266010	23266005	23266009
DATE SAMPLED:		11/11/92	11/11/92	11/11/92	11/11/92	11/11/92	11/11/92	11/11/92
ANALYTE	CRQL							
Antimony	60	10.7 UJ	10.7 UJ	10.7 UJ	10.7 UJ	10.7 UJ	10.7 UJ	10.7 UJ
Arsenic	10	1.0 U	2.1 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Barium	200	9.9 J	33.2 J	12.4 J	36.5 J	5.0 J	24.3 J	10.2 J
Beryllium	5	0.22 U	1.2 J	0.22 U	0.27 J	0.22 U	0.30 J	0.22 U
Cadmium	5	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Chromium	10	2.9 U	51.4	2.9 U	29.5	2.9 U	17.4	2.9 U
Cobalt	50	3.3 U	4.2 J	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U
Copper	25	2.6 J	15.0 J	2.3 U	20.2 J	2.3 U	7.3 J	2.3 U
Lead	3	1.4 U	7.9	2.4 J	10.5	1.4 U	4.0	1.4 U
Mercury	0.2	0.08 U	0.22	0.08 U	0.17 J	0.08 U	0.08 U	0.08 U
Nickel	40	5.3 U	11.5 J	9.4 J	14.4 J	5.3 U	5.3 U	5.3 U
Selenium	5	2.1 U	4.3 J	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Silver	10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Thallium	10	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Vanadium	50	2.6 U	30.0 J	2.6 U	19.4 J	2.6 U	8.4 J	2.6 U
Zinc	20	9.6 U	43.3	9.6 U	69.3	25.8	27.4	13.6 J
Cyanide	10	3.7 J	0.84 U	1.9 J	0.84 U	1.5 J	0.84 U	1.4 J
Tin	200	12.7 U	18.7 J	12.7 U	12.7 U	12.7 U	12.7 U	12.7 U
Sulfide	100	300	100 U	100 U	200	100 U	100 U	100 U
Total Dissolved Solids (mg/L)		---	2070	---	81	---	16	---
Total Suspended Solids (mg/L)		---	827	---	353	---	216	---

see notes at end of table

PROJECT: NSB KINGS BAY, GEORGIA

INORGANIC AQUEOUS ANALYSES (ug/l) (continued)

ANALYTE	SAMPLE LOCATION:	KBA-11-7	KBA-11-7F	KBA-11-8	KBA-11-8F	KBA-11-9	KBA-11-9F
	LAB NUMBER:	23266003	23266004	23248003	23248012	23248002	23248011
	DATE SAMPLED:	11/11/92	11/11/92	11/10/92	11/10/92	11/10/92	11/10/92
	CRQL						
Antimony	60	10.7 UJ	10.7 UJ	10.7 U	10.7 U	10.7 U	10.7 U
Arsenic	10	1.0 U	1.0 U	1.2 J	1.0 UJ	1.0 UJ	1.0 UJ
Barium	200	55.8 J	8.6 J	24.2 J	18.4 J	35.6 J	5.4 J
Beryllium	5	0.80 J	0.22 U	0.56 J	0.22 U	1.4 J	0.25 J
Cadmium	5	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Chromium	10	73.3	2.9 U	21.1	2.9 U	48.3	2.9 U
Cobalt	50	3.3 U	3.3 U	4.1 J	3.3 U	3.3 U	3.3 U
Copper	25	17.6 J	2.9 J	16.6 J	4.0 J	17.5 J	2.3 U
Lead	3	4.7	1.4 U	9.2	10.1	11.4	1.8 J
Mercury	0.2	0.31	0.08 U	0.20 U	0.13 U	0.38 U	0.14 U
Nickel	40	8.9 J	9.0 J	7.7 J	5.3 U	5.3 U	5.3 U
Selenium	5	2.1 U	2.1 U	2.1 U	2.1 U	4.2 J	2.1 U
Silver	10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Thallium	10	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Vanadium	50	23.7 J	2.7 J	12.8 J	2.6 U	33.3 J	3.9 J
Zinc	20	19.0 J	10.2 J	19.7 J	12.9 J	24.6	9.6 U
Cyanide	10	0.98 J	1.1 J	5.2 J	3.0 J	2.7 J	1.6 J
Tin	200	12.7 U	12.7 U	12.7 U	12.7 U	12.7 U	12.7 U
Sulfide	100	200	100 U	100 U	200	300	100 U
Total Dissolved Solids (mg/L)		10 U	---	321	---	10 U	---
Total Suspended Solids (mg/L)		673	---	220	---	254	---

notes:

---	= analysis not requested or performed
KBA-XX-X	= unfiltered groundwater sample
KBA-XX-XD	= duplicate, unfiltered groundwater sample
KBA-XX-XF	= filtered groundwater sample
KBA-XX-XDF	= duplicate, filtered groundwater sample

TRIP BLANKS
SOURCE WATER BLANKS
SAMPLE EVENT NO. 5
NOVEMBER 1992

PROJECT: NSB KINGS BAY, GEORGIA

VOLATILE AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

	SAMPLE LOCATION:	BT-28-FB	BT-29-FB	BS-27-ER	BS-28-ER	BS-13-FB	BS-15-FB
	LAB NUMBER:	34467001	34464001	34467007	34464002	34465K07	34465K08
	DATE SAMPLED:	11/10/92	11/11/92	11/10/92	11/11/92	11/12/92	11/12/92
	DATA ANALYZED:	11/24/92	11/24/92	11/24/92	11/25/92	11/25/92	11/25/92
	DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0	1.0
VOLATILES -- METHOD 8240							
ANALYTE	CRQL						
Chloromethane	10	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	10	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	5	5 U	12 U	5 U	5 U	5 U	5 U
Acetone	10	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	5	5 U	5 U	5 U	5 U	5 U	5 U
Trichlorofluoromethane	5	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	5	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	5	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	10	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	10	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	5	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	5	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	5	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	5	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	10	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	10	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	5	5 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	5	5 U	5 U	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U

PROJECT: NSB KINGS BAY, GEORGIA

INORGANIC AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

	SAMPLE LOCATION:	BS-27-ER	BS-28-ER	BS-13-FB	BS-14-FB	BS-15-FB
	LAB NUMBER:	23248007	23266002	23285008	23285012	23285009
	DATE SAMPLED:	11/10/92	11/11/92	11/14/92	11/12/92	11/12/92
ANALYTE	CRQL					
Antimony	60	10.7 U	10.7 UJ	10.7 UJ	10.7 U	10.7 U
Arsenic	10	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U
Barium	200	0.86 U	1.0 U	3.7 U	0.65 U	2.6 J
Beryllium	5	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Cadmium	5	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Chromium	10	2.9 U	2.9 U	2.9 U	2.9 U	3.7 J
Cobalt	50	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U
Copper	25	2.3 U	2.3 U	8.8 J	2.3 UJ	2.3 UJ
Lead	3	1.8 J	1.4 U	1.4 U	1.4 U	1.4 U
Mercury	0.2	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Nickel	40	5.3 U	5.3 U	5.3 U	5.3 UJ	5.3 UJ
Selenium	5	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Silver	10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Thallium	10	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Vanadium	50	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
Zinc	20	9.6 U	9.6 U	12.6 J	9.6 U	10.1 J
Cyanide	10	0.98 J	0.84 U	0.84 U	0.84 U	0.84 U
Tin	200	12.7 U	12.7 U	12.7 U	12.7 U	12.7 U
Sulfide	100	100 U	100 U	100 U	100 U	100 U
Total Dissolved Solids (mg/L)		10 U	10 U	38	---	40
Total Suspended Solids (mg/L)		12	4 U	4 U	---	4 U

GROUNDWATER
SAMPLE EVENT NO. 6
JANUARY 1993

PROJECT: NSB KINGS BAY, GEORGIA

VOLATILE AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

SAMPLE LOCATION:		KBA-11-1	KBA-11-2	KBA-11-2D	KBA-11-3	KBA-11-4	KBA-11-5	KBA-11-6
LAB NUMBER:		01101007	01101005	01101006	01112008	01112007	01112005	01112004
DATE SAMPLED:		1/12/93	1/12/93	1/12/93	1/13/93	1/13/93	1/13/93	1/13/93
DATE ANALYZED:		1/14/93	1/14/93	1/14/93	1/15/93	1/15/93	1/14/93	1/14/93
DILUTION FACTOR:		1.0	1.0	1.0	1.0	1.0	1.0	1.0
VOLATILES -- METHOD 8240								
ANALYTE	CRQL							
Chloromethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10	10 U	100	85	10 U	10 U	10 U	10 U
Chloroethane	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	10	10 U	10 U	10 U	10 J	10 U	10 U	10 U
Carbon Disulfide	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichlorofluoromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	5	5 U	12	11	5 U	5 U	5 U	5 U
Chloroform	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	10	3 J	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5	5 U	2 J	2 J	5 U	5 U	5 U	5 U
Chlorobenzene	5	5 U	5 U	5 U	6	5 U	5 U	5 U
Ethylbenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	5	5 U	2 J	2 J	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	5	5 U	5 U	5 U	19	5 U	5 U	2 J
1,2-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U

PROJECT: NSB KINGS BAY, GEORGIA

VOLATILE AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

	SAMPLE LOCATION:	KBA-11-7	KBA-11-8	KBA-11-9
	LAB NUMBER:	01112002	01101008	01112001
	DATE SAMPLED:	1/13/93	1/12/93	1/13/93
	DATE ANALYZED:	1/14/93	1/14/93	1/14/93
	DILUTION FACTOR:	1.0	1.0	1.0
VOLATILES -- METHOD 8240 (continued)				
ANALYTE	CRQL			
Chloromethane	10	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U
Vinyl Chloride	10	10 U	10 U	10 U
Chloroethane	10	10 U	10 U	10 U
Methylene Chloride	5	5 U	5 U	5 U
Acetone	10	10 U	10 U	10 U
Carbon Disulfide	5	5 U	5 U	5 U
Trichlorofluoromethane	5	5 U	5 U	5 U
1,1-Dichloroethene	5	5 U	5 U	5 U
1,1-Dichloroethane	5	5 U	5 U	5 U
1,2-Dichloroethene (total)	5	5 U	5 U	5 U
Chloroform	5	5 U	5 U	5 U
1,2-Dichloroethane	5	5 U	5 U	5 U
2-Butanone	10	10 U	10 U	10 U
1,1,1-Trichloroethane	5	5 U	5 U	5 U
Carbon Tetrachloride	5	5 U	5 U	5 U
Vinyl Acetate	10	10 U	10 U	10 U
Bromodichloromethane	5	5 U	5 U	5 U
1,2-Dichloropropane	5	5 U	5 U	5 U
cis-1,3-Dichloropropene	5	5 U	5 U	5 U
Trichloroethene	5	5 U	5 U	5 U
Dibromochloromethane	5	5 U	5 U	5 U
1,1,2-Trichloroethane	5	5 U	5 U	5 U
Benzene	5	5 U	5 U	5 U
trans-1,3-Dichloropropene	5	5 U	5 U	5 U
Bromoform	5	5 U	5 U	5 U
4-Methyl-2-Pentanone	10	10 U	10 U	10 U
2-Hexanone	10	10 U	10 U	10 U
Tetrachloroethene	5	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5	5 U	5 U	5 U
Toluene	5	5 U	5 U	5 U
Chlorobenzene	5	5 U	5 U	5 U
Ethylbenzene	5	5 U	5 U	5 U
Styrene	5	5 U	5 U	5 U
Xylene (total)	5	5 U	5 U	5 U
1,3-Dichlorobenzene	5	5 U	5 U	5 U
1,4-Dichlorobenzene	5	5 U	5 U	5 U
1,2-Dichlorobenzene	5	5 U	5 U	5 U

PROJECT: NSB KINGS BAY, GEORGIA — INORGANIC AQUEOUS ANALYSES (ug/l) — Validation/Summary Table

ANALYTE	CRQL	KBA-11-1	KBA-11-1F	KBA-11-2	KBA-11-2F	KBA-11-2D	KBA-11-2DF	KBA-11-3
LAB NUMBER:		23710009	23710010	23710005	23710007	23710006	23710008	23726012
DATE SAMPLED:		1/12/93	1/12/93	1/12/93	1/12/93	1/12/93	1/12/93	1/13/93
Antimony	60	16.4 U	16.4 U	16.4 U	16.4 U	16.4 U	16.4 U	16.4 U
Arsenic	10	1.2 J	0.68 U	1.9 J	1.2 J	1.6 J	1.0 J	1.3 J
Barium	200	28.7 J	20.2 J	11.1 J	4.5 J	14.3 J	4.4 J	33.9 J
Beryllium	5	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.47 J
Cadmium	5	3.4 J	2.8 U	2.8 U	3.1 J	2.8 U	3.9 J	2.8 U
Chromium	10	16.5	2.8 U	8.1 J	2.8 U	10.8	2.8 U	18.6
Cobalt	50	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
Copper	25	8.0 U	1.2 U	6.1 U	2.1 U	9.3 U	2.1 U	7.2 J
Lead	3	5.9	2.4 J	5.8	1.7 U	6.4	2.8 J	6.8
Mercury	0.2	0.14 U	0.07 U	0.14 U	0.11 U	0.16 U	0.08 U	0.10 U
Nickel	40	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Selenium	5	2.5 J	1.8 U	2.0 J	1.8 U	1.8 U	1.8 U	4.6 J
Silver	10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Thallium	10	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Vanadium	50	5.4 J	2.6 U	5.5 J	3.6 J	5.9 J	4.6 J	16.6 J
Zinc	20	62.2	30.1	42.0	24.0	24.4	36.3	30.5
Cyanide	10	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tin	200	12.7 U	12.7 U	12.7 U	12.7 U	12.7 U	12.7 U	12.7 U
Sulfide	100	100 U	100 U	200	200	200	100 U	300
Total Dissolved Solids (mg/L)		46	---	192	---	166	---	735
Total Suspended Solids (mg/L)		92	---	129	---	219	---	186

PROJECT: NSB KINGS BAY, GEORGIA — INORGANIC AQUEOUS ANALYSES (ug/l) — Validation/Summary Table

ANALYTE	CRQL	KBA-11-3F	KBA-11-4	KBA-11-4F	KBA-11-5	KBA-11-5F	KBA-11-6	KBA-11-6F
LAB NUMBER:		23726013	23726010	23726011	23726007	23726008	23726005	23726006
DATE SAMPLED:		1/13/93	1/13/93	1/13/93	1/13/93	1/13/93	1/13/93	1/13/93
Antimony	60	16.4 U	16.4 U	16.4 U	16.4 U	16.4 U	16.4 U	16.4 U
Arsenic	10	0.68 U	2.9 J	0.68 J	1.8 J	0.68 U	0.68 U	0.68 U
Barium	200	8.6 J	19.7 J	7.0 J	31.7 J	4.7 J	18.0 J	8.9 J
Beryllium	5	0.26 U	0.32 J	0.26 U	0.57 J	0.26 U	0.39 J	0.26 U
Cadmium	5	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U
Chromium	10	2.8 U	24.1	2.8 U	30.8	2.8 U	12.5	2.8 U
Cobalt	50	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
Copper	25	1.5 U	10.0 J	1.8 U	20.4 J	1.2 U	7.0 J	1.2 U
Lead	3	1.9 J	7.6	1.7 U	7.3	2.7 J	4.0	1.7 U
Mercury	0.2	0.07 U	0.14 U	0.07 U	0.15 U	0.07 U	0.08 U	0.07 U
Nickel	40	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Selenium	5	1.8 U	2.5 J	1.8 U	2.1 J	1.8 U	2.1 J	1.8 U
Silver	10	2.3 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Thallium	10	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Vanadium	50	4.1 J	14.7 J	2.6 U	18.3 J	2.6 U	6.4 J	2.6 U
Zinc	20	9.0 U	41.3	10.5 J	151	52.0	40.8	9.0 U
Cyanide	10	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tin	200	12.7 U	12.7 U	12.7 U	12.7 U	12.7 U	12.7 U	12.7 U
Sulfide	100	200	300	100 U	100 U	100 U	100 U	100 U
Total Dissolved Solids (mg/L)		---	668	---	125	---	324	---
Total Suspended Solids (mg/L)		---	231	---	478	---	310	---

see notes at end of table

PROJECT: NSB KINGS BAY, GEORGIA

INORGANIC AQUEOUS ANALYSES (ug/l) (continued)

Validation/Summary Table

ANALYTE	CRQL	KBA-11-7	KBA-11-7F	KBA-11-8	KBA-11-8F	KBA-11-9	KBA-11-9F
SAMPLE LOCATION:		KBA-11-7	KBA-11-7F	KBA-11-8	KBA-11-8F	KBA-11-9	KBA-11-9F
LAB NUMBER:		23726003	23726004	23710011	23710012	23726001	23726002
DATE SAMPLED:		1/13/93	1/13/93	1/12/93	1/12/93	1/13/93	1/13/93
Antimony	60	16.4 U	16.4 U	16.4 U	16.4 U	16.4 U	16.4 U
Arsenic	10	3.5 J	0.68 U	3.6 J	2.2 J	1.8 J	0.72 J
Barium	200	34.1 J	8.7 J	16.7 J	11.4 J	23.7 J	4.1 U
Beryllium	5	0.73 J	0.26 U	0.26 U	0.26 U	0.72 J	0.26 U
Cadmium	5	2.8 U	2.8 U	3.5 J	2.8 U	2.8 U	2.8 U
Chromium	10	46.7	2.8 U	10.3	2.8 U	26.8	2.8 U
Cobalt	50	2.6 U	2.9 J	2.6 U	2.6 U	2.6 U	2.6 U
Copper	25	11.9 J	1.2 U	9.6 U	2.4 U	10.8 J	1.2 U
Lead	3	6.8	1.7 U	4.7	1.7 U	5.5	1.7 U
Mercury	0.2	0.28 U	0.07 U	0.15 U	0.10 U	0.16 U	0.07 U
Nickel	40	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Selenium	5	2.4 J	1.8 U	1.8 U	1.8 U	3.1 J	1.8 U
Silver	10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Thallium	10	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Vanadium	50	14.2 J	3.4 J	7.4 J	2.6 U	20.2 J	6.2 J
Zinc	20	33.4	11.1 J	74.8	26.9	32.5	15.2 J
Cyanide	10	1.4 U	1.4 U	2.0 J	1.4 J	1.4 U	1.4 U
Tin	200	12.7 U	12.7 U	12.7 U	12.7 U	12.7 U	12.7 U
Sulfide	100	200	100 U	100 U	200	200	100 U
Total Dissolved Solids (mg/L)		47	---	459	---	124	---
Total Suspended Solids (mg/L)		358	---	148	---	544	---

Note:

---	=	analysis not requested or performed
KBA-XX-X	=	unfiltered groundwater sample
KBA-XX-XD	=	duplicate, unfiltered groundwater sample
KBA-XX-XF	=	filtered groundwater sample
KBA-XX-XDF	=	duplicate, filtered groundwater sample

TRIP BLANKS
SOURCE WATER BLANKS
SAMPLE EVENT NO. 6
JANUARY 1993

PROJECT: NSB KINGS BAY, GEORGIA

VOLATILE AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

SAMPLE LOCATION:		BT-33-FB	BT-34-FB	BS-33-ER	BS-34-ER	BS-16-FB	BS-18-FB
LAB NUMBER:		01101002	01112003	01101004	01112006	01101003	01101001
DATE SAMPLED:		1/12/93	1/13/93	1/12/93	1/13/93	1/12/93	1/12/93
DATA ANALYZED:		1/14/93	1/14/93	1/14/93	1/15/93	1/14/93	1/14/93
DILUTION FACTOR:		1.0	1.0	1.0	1.0	1.0	1.0
VOLATILES -- METHOD 8240							
ANALYTE	CRQL						
Chloromethane	10	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	10	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	5	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	10	10 U	10 U	10 U	10 U	10 U	19 J
Carbon Disulfide	5	5 U	5 U	5 U	5 U	5 U	5 U
Trichlorofluoromethane	5	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	5	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	5	5 U	5 U	5 U	5 U	5 U	2 J
1,2-Dichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	10	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	10	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	5	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	5	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	5	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	5	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	10	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	5	5 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	5	5 U	5 U	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U

PROJECT: NSB KINGS BAY, GEORGIA

INORGANIC AQUEOUS ANALYSES (ug/l)

Validation/Summary Table

ANALYTE	CRQL	BS-33-ER	BS-34-ER	BS-16-FB	BS-17-FB	BS-18-FB
SAMPLE LOCATION:		BS-33-ER	BS-34-ER	BS-16-FB	BS-17-FB	BS-18-FB
LAB NUMBER:		23710004	23726009	23710002	23710003	23710001
DATE SAMPLED:		1/12/93	1/13/93	1/12/93	1/12/93	1/12/93
Antimony	60	16.4 U	16.4 U	16.4 U	16.4 U	16.4 U
Arsenic	10	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U
Barium	200	0.64 U	3.2 U	2.9 J	0.85 J	3.0 J
Beryllium	5	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Cadmium	5	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U
Chromium	10	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U
Cobalt	50	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
Copper	25	1.2 U	1.3 J	2.1 U	7.4 U	2.1 U
Lead	3	1.7 U	1.7 U	1.7 U	1.7 U	2.3 J
Mercury	0.2	0.29	0.26	0.18 U	0.19 U	0.08 U
Nickel	40	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Selenium	5	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Silver	10	2.0 U	2.2 J	2.0 U	2.0 U	2.0 U
Thallium	10	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Vanadium	50	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
Zinc	20	9.0 U	9.0 U	9.0 U	10.7 J	9.0 U
Cyanide	10	0.84 U	1.4 U	0.84 U	1.4 U	0.84 U
Tin	200	12.7 U	12.7 U	12.7 U	12.7 U	909
Sulfide	100	100 U	100 U	100 U	100 U	100 U
Total Dissolved Solids (mg/L)		10 U	10 U	10 U	---	10 U
Total Suspended Solids (mg/L)		4 U	4 U	4 U	---	4 U

GROUNDWATER ICMS INVESTIGATION

VALIDATED DATA FOR OFF-SITE GROUNDWATER SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34170001	11H10116	10/15/92	74-87-3	Chloromethane	1 U
34170001	11H10116	10/15/92	74-83-9	Bromomethane	1 U
34170001	11H10116	10/15/92	75-01-4	Vinyl chloride	1 U
34170001	11H10116	10/15/92	75-00-3	Chloroethane	1 U
34170001	11H10116	10/15/92	75-09-2	Methylene chloride	17 U
34170001	11H10116	10/15/92	67-64-1	Acetone	170
34170001	11H10116	10/15/92	75-15-0	Carbon disulfide	1
34170001	11H10116	10/15/92	75-35-4	1,1-Dichloroethene	1 U
34170001	11H10116	10/15/92	75-34-3	1,1-Dichloroethane	1 U
34170001	11H10116	10/15/92	540-59-0	cis-1,2-Dichloroethene	1 U
34170001	11H10116	10/15/92	156-60-5	trans-1,2-Dichloroethene	1 U
34170001	11H10116	10/15/92	67-66-3	Chloroform	1 U
34170001	11H10116	10/15/92	107-06-2	1,2-Dichloroethane	1 U
34170001	11H10116	10/15/92	78-93-3	2-Butanone	5 U
34170001	11H10116	10/15/92	71-55-6	1,1,1-Trichloroethane	1 U
34170001	11H10116	10/15/92	56-23-5	Carbon tetrachloride	1 U
34170001	11H10116	10/15/92	75-27-4	Bromodichloromethane	1 U
34170001	11H10116	10/15/92	78-87-5	1,2-Dichloropropane	1 U
34170001	11H10116	10/15/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34170001	11H10116	10/15/92	79-01-6	Trichloroethene	1 U
34170001	11H10116	10/15/92	124-48-1	Dibromochloromethane	1 U
34170001	11H10116	10/15/92	79-00-5	1,1,2-Trichloroethane	1 U
34170001	11H10116	10/15/92	71-43-2	Benzene	1 U
34170001	11H10116	10/15/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34170001	11H10116	10/15/92	75-25-2	Bromoform	1 U
34170001	11H10116	10/15/92	591-78-6	2-Hexanone	5 U
34170001	11H10116	10/15/92	108-10-1	4-Methyl-2-pentanone	5 U
34170001	11H10116	10/15/92	127-18-4	Tetrachloroethene	1 U
34170001	11H10116	10/15/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34170001	11H10116	10/15/92	108-88-3	Toluene	1 U
34170001	11H10116	10/15/92	108-90-7	Chlorobenzene	10
34170001	11H10116	10/15/92	100-41-4	Ethylbenzene	2
34170001	11H10116	10/15/92	100-42-5	Styrene	1 U
34170001	11H10116	10/15/92	1330-20-7	Xylenes (total)	1 U
34170001	11H10116	10/15/92	541-73-1	1,3-Dichlorobenzene	1 U
34170001	11H10116	10/15/92	106-46-7	1,4-Dichlorobenzene	12
34170001	11H10116	10/15/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 10/20/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE GROUNDWATER SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34171001	11H10342	10/16/92	74-87-3	Chloromethane	1 U
34171001	11H10342	10/16/92	74-83-9	Bromomethane	1 U
34171001	11H10342	10/16/92	75-01-4	Vinyl chloride	1 U
34171001	11H10342	10/16/92	75-00-3	Chloroethane	1 U
34171001	11H10342	10/16/92	75-09-2	Methylene chloride	18 U
34171001	11H10342	10/16/92	67-64-1	Acetone	170
34171001	11H10342	10/16/92	75-15-0	Carbon disulfide	1 U
34171001	11H10342	10/16/92	75-35-4	1,1-Dichloroethene	1 U
34171001	11H10342	10/16/92	75-34-3	1,1-Dichloroethane	1 U
34171001	11H10342	10/16/92	540-59-0	cis-1,2-Dichloroethene	1 U
34171001	11H10342	10/16/92	156-60-5	trans-1,2-Dichloroethene	1 U
34171001	11H10342	10/16/92	67-66-3	Chloroform	1 U
34171001	11H10342	10/16/92	107-06-2	1,2-Dichloroethane	1 U
34171001	11H10342	10/16/92	78-93-3	2-Butanone	5 U
34171001	11H10342	10/16/92	71-55-6	1,1,1-Trichloroethane	1 U
34171001	11H10342	10/16/92	56-23-5	Carbon tetrachloride	1 U
34171001	11H10342	10/16/92	75-27-4	Bromodichloromethane	1 U
34171001	11H10342	10/16/92	78-87-5	1,2-Dichloropropane	1 U
34171001	11H10342	10/16/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34171001	11H10342	10/16/92	79-01-6	Trichloroethene	1 U
34171001	11H10342	10/16/92	124-48-1	Dibromochloromethane	1 U
34171001	11H10342	10/16/92	79-00-5	1,1,2-Trichloroethane	1 U
34171001	11H10342	10/16/92	71-43-2	Benzene	1 U
34171001	11H10342	10/16/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34171001	11H10342	10/16/92	75-25-2	Bromoform	1 U
34171001	11H10342	10/16/92	591-78-6	2-Hexanone	5 U
34171001	11H10342	10/16/92	108-10-1	4-Methyl-2-pentanone	5 U
34171001	11H10342	10/16/92	127-18-4	Tetrachloroethene	1 U
34171001	11H10342	10/16/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34171001	11H10342	10/16/92	108-88-3	Toluene	1 U
34171001	11H10342	10/16/92	108-90-7	Chlorobenzene	1 U
34171001	11H10342	10/16/92	100-41-4	Ethylbenzene	1 U
34171001	11H10342	10/16/92	100-42-5	Styrene	1 U
34171001	11H10342	10/16/92	1330-20-7	Xylenes (total)	1 U
34171001	11H10342	10/16/92	541-73-1	1,3-Dichlorobenzene	1 U
34171001	11H10342	10/16/92	106-46-7	1,4-Dichlorobenzene	1 U
34171001	11H10342	10/16/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 10/20/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE GROUNDWATER SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34178001	11H10632	10/17/92	74-87-3	Chloromethane	1 U
34178001	11H10632	10/17/92	74-83-9	Bromomethane	1 U
34178001	11H10632	10/17/92	75-01-4	Vinyl chloride	1 U
34178001	11H10632	10/17/92	75-00-3	Chloroethane	1 U
34178001	11H10632	10/17/92	75-09-2	Methylene chloride	17 U
34178001	11H10632	10/17/92	67-64-1	Acetone	14 U
34178001	11H10632	10/17/92	75-15-0	Carbon disulfide	39 U
34178001	11H10632	10/17/92	75-35-4	1,1-Dichloroethene	1 U
34178001	11H10632	10/17/92	75-34-3	1,1-Dichloroethane	1 U
34178001	11H10632	10/17/92	540-59-0	cis-1,2-Dichloroethene	16
34178001	11H10632	10/17/92	156-60-5	trans-1,2-Dichloroethene	1 U
34178001	11H10632	10/17/92	67-66-3	Chloroform	1 U
34178001	11H10632	10/17/92	107-06-2	1,2-Dichloroethane	1 U
34178001	11H10632	10/17/92	78-93-3	2-Butanone	5 U
34178001	11H10632	10/17/92	71-55-6	1,1,1-Trichloroethane	1 U
34178001	11H10632	10/17/92	56-23-5	Carbon tetrachloride	1 U
34178001	11H10632	10/17/92	75-27-4	Bromodichloromethane	1 U
34178001	11H10632	10/17/92	78-87-5	1,2-Dichloropropane	1 U
34178001	11H10632	10/17/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34178001	11H10632	10/17/92	79-01-6	Trichloroethene	1 U
34178001	11H10632	10/17/92	124-48-1	Dibromochloromethane	1 U
34178001	11H10632	10/17/92	79-00-5	1,1,2-Trichloroethane	1 U
34178001	11H10632	10/17/92	71-43-2	Benzene	5
34178001	11H10632	10/17/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34178001	11H10632	10/17/92	75-25-2	Bromoform	1 U
34178001	11H10632	10/17/92	591-78-6	2-Hexanone	5 U
34178001	11H10632	10/17/92	108-10-1	4-Methyl-2-pentanone	5 U
34178001	11H10632	10/17/92	127-18-4	Tetrachloroethene	1 U
34178001	11H10632	10/17/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34178001	11H10632	10/17/92	108-88-3	Toluene	1 U
34178001	11H10632	10/17/92	108-90-7	Chlorobenzene	1 U
34178001	11H10632	10/17/92	100-41-4	Ethylbenzene	17
34178001	11H10632	10/17/92	100-42-5	Styrene	1 U
34178001	11H10632	10/17/92	1330-20-7	Xylenes (total)	1
34178001	11H10632	10/17/92	541-73-1	1,3-Dichlorobenzene	1 U
34178001	11H10632	10/17/92	106-46-7	1,4-Dichlorobenzene	1 U
34178001	11H10632	10/17/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 10/20/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE GROUNDWATER SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34189001	11H11134	10/19/92	74-87-3	Chloromethane	1 U
34189001	11H11134	10/19/92	74-83-9	Bromomethane	1 U
34189001	11H11134	10/19/92	75-01-4	Vinyl chloride	1 U
34189001	11H11134	10/19/92	75-00-3	Chloroethane	1 U
34189001	11H11134	10/19/92	75-09-2	Methylene chloride	3 U
34189001	11H11134	10/19/92	67-64-1	Acetone	58
34189001	11H11134	10/19/92	75-15-0	Carbon disulfide	1 U
34189001	11H11134	10/19/92	75-35-4	1,1-Dichlorcethene	1 U
34189001	11H11134	10/19/92	75-34-3	1,1-Dichloroethane	1 U
34189001	11H11134	10/19/92	540-59-0	cis-1,2-Dichloroethene	1 U
34189001	11H11134	10/19/92	156-60-5	trans-1,2-Dichloroethene	1 U
34189001	11H11134	10/19/92	67-66-3	Chloroform	1 U
34189001	11H11134	10/19/92	107-06-2	1,2-Dichloroethane	1 U
34189001	11H11134	10/19/92	78-93-3	2-Butanone	5 U
34189001	11H11134	10/19/92	71-55-6	1,1,1-Trichloroethane	1 U
34189001	11H11134	10/19/92	56-23-5	Carbon tetrachloride	1 U
34189001	11H11134	10/19/92	75-27-4	Bromodichloromethane	1 U
34189001	11H11134	10/19/92	78-87-5	1,2-Dichloropropane	1 U
34189001	11H11134	10/19/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34189001	11H11134	10/19/92	79-01-6	Trichloroethene	1 U
34189001	11H11134	10/19/92	124-48-1	Dibromochloromethane	1 U
34189001	11H11134	10/19/92	79-00-5	1,1,2-Trichloroethane	1 U
34189001	11H11134	10/19/92	71-43-2	Benzene	1 U
34189001	11H11134	10/19/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34189001	11H11134	10/19/92	75-25-2	Bromoform	1 U
34189001	11H11134	10/19/92	591-78-6	2-Hexanone	5 U
34189001	11H11134	10/19/92	108-10-1	4-Methyl-2-pentanone	5 U
34189001	11H11134	10/19/92	127-18-4	Tetrachloroethene	1 U
34189001	11H11134	10/19/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34189001	11H11134	10/19/92	108-88-3	Toluene	1 U
34189001	11H11134	10/19/92	108-90-7	Chlorobenzene	1 U
34189001	11H11134	10/19/92	100-41-4	Ethylbenzene	1 U
34189001	11H11134	10/19/92	100-42-5	Styrene	1 U
34189001	11H11134	10/19/92	1330-20-7	Xylenes (total)	1 U
34189001	11H11134	10/19/92	541-73-1	1,3-Dichlorobenzene	1 U
34189001	11H11134	10/19/92	106-46-7	1,4-Dichlorobenzene	1 U
34189001	11H11134	10/19/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 10/23/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE GROUNDWATER SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34198001	11H11346	10/20/92	74-87-3	Chloromethane	1 U
34198001	11H11346	10/20/92	74-83-9	Bromomethane	1 U
34198001	11H11346	10/20/92	75-01-4	Vinyl chloride	1 U
34198001	11H11346	10/20/92	75-00-3	Chloroethane	1 U
34198001	11H11346	10/20/92	75-09-2	Methylene chloride	9 U
34198001	11H11346	10/20/92	67-64-1	Acetone	28
34198001	11H11346	10/20/92	75-15-0	Carbon disulfide	1 U
34198001	11H11346	10/20/92	75-35-4	1,1-Dichloroethene	1 U
34198001	11H11346	10/20/92	75-34-3	1,1-Dichloroethane	1 U
34198001	11H11346	10/20/92	540-59-0	cis-1,2-Dichloroethene	1 U
34198001	11H11346	10/20/92	156-60-5	trans-1,2-Dichloroethene	1 U
34198001	11H11346	10/20/92	67-66-3	Chloroform	1 U
34198001	11H11346	10/20/92	107-06-2	1,2-Dichloroethane	1 U
34198001	11H11346	10/20/92	78-93-3	2-Butanone	5 U
34198001	11H11346	10/20/92	71-55-6	1,1,1-Trichloroethane	1 U
34198001	11H11346	10/20/92	56-23-5	Carbon tetrachloride	1 U
34198001	11H11346	10/20/92	75-27-4	Bromodichloromethane	1 U
34198001	11H11346	10/20/92	78-87-5	1,2-Dichloropropane	1 U
34198001	11H11346	10/20/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34198001	11H11346	10/20/92	79-01-6	Trichloroethene	1 U
34198001	11H11346	10/20/92	124-48-1	Dibromochloromethane	1 U
34198001	11H11346	10/20/92	79-00-5	1,1,2-Trichloroethane	1 U
34198001	11H11346	10/20/92	71-43-2	Benzene	1 U
34198001	11H11346	10/20/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34198001	11H11346	10/20/92	75-25-2	Bromoform	1 U
34198001	11H11346	10/20/92	591-78-6	2-Hexanone	5 U
34198001	11H11346	10/20/92	108-10-1	4-Methyl-2-pentanone	5 U
34198001	11H11346	10/20/92	127-18-4	Tetrachloroethene	1 U
34198001	11H11346	10/20/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34198001	11H11346	10/20/92	108-88-3	Toluene	1 U
34198001	11H11346	10/20/92	108-90-7	Chlorobenzene	1 U
34198001	11H11346	10/20/92	100-41-4	Ethylbenzene	1 U
34198001	11H11346	10/20/92	100-42-5	Styrene	1 U
34198001	11H11346	10/20/92	1330-20-7	Xylenes (total)	1 U
34198001	11H11346	10/20/92	541-73-1	1,3-Dichlorobenzene	1 U
34198001	11H11346	10/20/92	106-46-7	1,4-Dichlorobenzene	1 U
34198001	11H11346	10/20/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 10/23/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE GROUNDWATER SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34206001	11H11625	10/21/92	74-87-3	Chloromethane	2 U
34206001	11H11625	10/21/92	74-83-9	Bromomethane	2 U
34206001	11H11625	10/21/92	75-01-4	Vinyl chloride	310
34206001	11H11625	10/21/92	75-00-3	Chloroethane	2 U
34206001	11H11625	10/21/92	75-09-2	Methylene chloride	39 U
34206001	11H11625	10/21/92	67-64-1	Acetone	10 U
34206001	11H11625	10/21/92	75-15-0	Carbon disulfide	2 U
34206001	11H11625	10/21/92	75-35-4	1,1-Dichloroethene	2 U
34206001	11H11625	10/21/92	75-34-3	1,1-Dichloroethane	2 U
34206001	11H11625	10/21/92	540-59-0	cis-1,2-Dichloroethene	3600
34206001	11H11625	10/21/92	156-60-5	trans-1,2-Dichloroethene	23
34206001	11H11625	10/21/92	67-66-3	Chloroform	2 U
34206001	11H11625	10/21/92	107-06-2	1,2-Dichloroethane	9
34206001	11H11625	10/21/92	78-93-3	2-Butanone	10 U
34206001	11H11625	10/21/92	71-55-6	1,1,1-Trichloroethane	2 U
34206001	11H11625	10/21/92	56-23-5	Carbon tetrachloride	2 U
34206001	11H11625	10/21/92	75-27-4	Bromodichloromethane	2 U
34206001	11H11625	10/21/92	78-87-5	1,2-Dichloropropane	2 U
34206001	11H11625	10/21/92	10061-01-5	cis-1,3-Dichloropropane	2 U
34206001	11H11625	10/21/92	79-01-6	Trichloroethene	28
34206001	11H11625	10/21/92	124-48-1	Dibromochloromethane	2 U
34206001	11H11625	10/21/92	79-00-5	1,1,2-Trichloroethane	2 U
34206001	11H11625	10/21/92	71-43-2	Benzene	2
34206001	11H11625	10/21/92	10061-02-6	trans-1,3-Dichloropropene	2 U
34206001	11H11625	10/21/92	75-25-2	Bromoform	2 U
34206001	11H11625	10/21/92	591-78-6	2-Hexanone	10 U
34206001	11H11625	10/21/92	108-10-1	4-Methyl-2-pentanone	10 U
34206001	11H11625	10/21/92	127-18-4	Tetrachloroethene	3
34206001	11H11625	10/21/92	79-34-5	1,1,2,2-Tetrachloroethane	2 U
34206001	11H11625	10/21/92	108-88-3	Toluene	20
34206001	11H11625	10/21/92	108-90-7	Chlorobenzene	2 U
34206001	11H11625	10/21/92	100-41-4	Ethylbenzene	2 U
34206001	11H11625	10/21/92	100-42-5	Styrene	2 U
34206001	11H11625	10/21/92	1330-20-7	Xylenes (total)	2 U
34206001	11H11625	10/21/92	541-73-1	1,3-Dichlorobenzene	2 U
34206001	11H11625	10/21/92	106-46-7	1,4-Dichlorobenzene	2 U
34206001	11H11625	10/21/92	95-50-1	1,2-Dichlorobenzene	2 U

Date Analyzed: 10/26/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE GROUNDWATER SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34206002	11H11625D	10/21/92	74-87-3	Chloromethane	2 U
34206002	11H11625D	10/21/92	74-83-9	Bromomethane	2 U
34206002	11H11625D	10/21/92	75-01-4	Vinyl chloride	280
34206002	11H11625D	10/21/92	75-00-3	Chloroethane	2 U
34206002	11H11625D	10/21/92	75-09-2	Methylene chloride	37 U
34206002	11H11625D	10/21/92	67-64-1	Acetone	10 U
34206002	11H11625D	10/21/92	75-15-0	Carbon disulfide	2 U
34206002	11H11625D	10/21/92	75-35-4	1,1-Dichloroethene	2 U
34206002	11H11625D	10/21/92	75-34-3	1,1-Dichloroethane	2 U
34206002	11H11625D	10/21/92	540-59-0	cis-1,2-Dichloroethene	3400
34206002	11H11625D	10/21/92	156-60-5	trans-1,2-Dichloroethene	23
34206002	11H11625D	10/21/92	67-66-3	Chloroform	2 U
34206002	11H11625D	10/21/92	107-06-2	1,2-Dichloroethane	9
34206002	11H11625D	10/21/92	78-93-3	2-Butanone	10 U
34206002	11H11625D	10/21/92	71-55-6	1,1,1-Trichloroethane	2 U
34206002	11H11625D	10/21/92	56-23-5	Carbon tetrachloride	2 U
34206002	11H11625D	10/21/92	75-27-4	Bromodichloromethane	2 U
34206002	11H11625D	10/21/92	78-87-5	1,2-Dichloropropane	2 U
34206002	11H11625D	10/21/92	10061-01-5	cis-1,3-Dichloropropane	2 U
34206002	11H11625D	10/21/92	79-01-6	Trichloroethene	26
34206002	11H11625D	10/21/92	124-48-1	Dibromochloromethane	2 U
34206002	11H11625D	10/21/92	79-00-5	1,1,2-Trichloroethane	2 U
34206002	11H11625D	10/21/92	71-43-2	Benzene	3
34206002	11H11625D	10/21/92	10061-02-6	trans-1,3-Dichloropropene	2 U
34206002	11H11625D	10/21/92	75-25-2	Bromoform	2 U
34206002	11H11625D	10/21/92	591-78-6	2-Hexanone	10 U
34206002	11H11625D	10/21/92	108-10-1	4-Methyl-2-pentanone	10 U
34206002	11H11625D	10/21/92	127-18-4	Tetrachloroethene	3
34206002	11H11625D	10/21/92	79-34-5	1,1,2,2-Tetrachloroethane	2 U
34206002	11H11625D	10/21/92	108-88-3	Toluene	19
34206002	11H11625D	10/21/92	108-90-7	Chlorobenzene	2 U
34206002	11H11625D	10/21/92	100-41-4	Ethylbenzene	2 U
34206002	11H11625D	10/21/92	100-42-5	Styrene	2 U
34206002	11H11625D	10/21/92	1330-20-7	Xylenes (total)	2 U
34206002	11H11625D	10/21/92	541-73-1	1,3-Dichlorobenzene	2 U
34206002	11H11625D	10/21/92	106-46-7	1,4-Dichlorobenzene	2 U
34206002	11H11625D	10/21/92	95-50-1	1,2-Dichlorobenzene	2 U

Date Analyzed: 10/26/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE GROUNDWATER SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34283001	11H11835	10/29/92	74-87-3	Chloromethane	1 U
34283001	11H11835	10/29/92	74-83-9	Bromomethane	1 U
34283001	11H11835	10/29/92	75-01-4	Vinyl chloride	1 U
34283001	11H11835	10/29/92	75-00-3	Chloroethane	1 U
34283001	11H11835	10/29/92	75-09-2	Methylene chloride	49 U
34283001	11H11835	10/29/92	67-64-1	Acetone	330 J
34283001	11H11835	10/29/92	75-15-0	Carbon disulfide	1 U
34283001	11H11835	10/29/92	75-35-4	1,1-Dichloroethene	1 U
34283001	11H11835	10/29/92	75-34-3	1,1-Dichloroethane	3
34283001	11H11835	10/29/92	540-59-0	cis-1,2-Dichloroethene	45
34283001	11H11835	10/29/92	156-60-5	trans-1,2-Dichloroethene	1 U
34283001	11H11835	10/29/92	67-66-3	Chloroform	1 U
34283001	11H11835	10/29/92	107-06-2	1,2-Dichloroethane	1 U
34283001	11H11835	10/29/92	78-93-3	2-Butanone	580
34283001	11H11835	10/29/92	71-55-6	1,1,1-Trichloroethane	1 U
34283001	11H11835	10/29/92	56-23-5	Carbon tetrachloride	1 U
34283001	11H11835	10/29/92	75-27-4	Bromodichloromethane	1 U
34283001	11H11835	10/29/92	78-87-5	1,2-Dichloropropane	1
34283001	11H11835	10/29/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34283001	11H11835	10/29/92	79-01-6	Trichloroethene	1 U
34283001	11H11835	10/29/92	124-48-1	Dibromochloromethane	1 U
34283001	11H11835	10/29/92	79-00-5	1,1,2-Trichloroethane	1 U
34283001	11H11835	10/29/92	71-43-2	Benzene	4
34283001	11H11835	10/29/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34283001	11H11835	10/29/92	75-25-2	Bromoform	1 U
34283001	11H11835	10/29/92	591-78-6	2-Hexanone	18
34283001	11H11835	10/29/92	108-10-1	4-Methyl-2-pentanone	78
34283001	11H11835	10/29/92	127-18-4	Tetrachloroethene	1 U
34283001	11H11835	10/29/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34283001	11H11835	10/29/92	108-88-3	Toluene	120
34283001	11H11835	10/29/92	108-90-7	Chlorobenzene	1 U
34283001	11H11835	10/29/92	100-41-4	Ethylbenzene	2
34283001	11H11835	10/29/92	100-42-5	Styrene	1 U
34283001	11H11835	10/29/92	1330-20-7	Xylenes (total)	4
34283001	11H11835	10/29/92	541-73-1	1,3-Dichlorobenzene	1 U
34283001	11H11835	10/29/92	106-46-7	1,4-Dichlorobenzene	1 U
34283001	11H11835	10/29/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/03/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE GROUNDWATER SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34283005	11H11950	10/29/92	74-87-3	Chloromethane	1 U
34283005	11H11950	10/29/92	74-83-9	Bromomethane	1 U
34283005	11H11950	10/29/92	75-01-4	Vinyl chloride	1 U
34283005	11H11950	10/29/92	75-00-3	Chloroethane	1 U
34283005	11H11950	10/29/92	75-09-2	Methylene chloride	9 U
34283005	11H11950	10/29/92	67-64-1	Acetone	38 U
34283005	11H11950	10/29/92	75-15-0	Carbon disulfide	1 U
34283005	11H11950	10/29/92	75-35-4	1,1-Dichloroethene	1 U
34283005	11H11950	10/29/92	75-34-3	1,1-Dichloroethane	1 U
34283005	11H11950	10/29/92	540-59-0	cis-1,2-Dichloroethene	21
34283005	11H11950	10/29/92	156-60-5	trans-1,2-Dichloroethene	1 U
34283005	11H11950	10/29/92	67-66-3	Chloroform	1 U
34283005	11H11950	10/29/92	107-06-2	1,2-Dichloroethane	1 U
34283005	11H11950	10/29/92	78-93-3	2-Butanone	5 U
34283005	11H11950	10/29/92	71-55-6	1,1,1-Trichloroethane	1 U
34283005	11H11950	10/29/92	56-23-5	Carbon tetrachloride	1 U
34283005	11H11950	10/29/92	75-27-4	Bromodichloromethane	1 U
34283005	11H11950	10/29/92	78-87-5	1,2-Dichloropropane	1 U
34283005	11H11950	10/29/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34283005	11H11950	10/29/92	79-01-6	Trichloroethene	1 U
34283005	11H11950	10/29/92	124-48-1	Dibromochloromethane	1 U
34283005	11H11950	10/29/92	79-00-5	1,1,2-Trichloroethane	1 U
34283005	11H11950	10/29/92	71-43-2	Benzene	1 U
34283005	11H11950	10/29/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34283005	11H11950	10/29/92	75-25-2	Bromoform	1 U
34283005	11H11950	10/29/92	591-78-6	2-Hexanone	5 U
34283005	11H11950	10/29/92	108-10-1	4-Methyl-2-pentanone	12
34283005	11H11950	10/29/92	127-18-4	Tetrachloroethene	1 U
34283005	11H11950	10/29/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34283005	11H11950	10/29/92	108-88-3	Toluene	1 U
34283005	11H11950	10/29/92	108-90-7	Chlorobenzene	1 U
34283005	11H11950	10/29/92	100-41-4	Ethylbenzene	1 U
34283005	11H11950	10/29/92	100-42-5	Styrene	1 U
34283005	11H11950	10/29/92	1330-20-7	Xylenes (total)	1 U
34283005	11H11950	10/29/92	541-73-1	1,3-Dichlorobenzene	1 U
34283005	11H11950	10/29/92	106-46-7	1,4-Dichlorobenzene	1 U
34283005	11H11950	10/29/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/03/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE GROUNDWATER SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34295001	11H12015	10/30/92	74-87-3	Chloromethane	1 U
34295001	11H12015	10/30/92	74-83-9	Bromomethane	1 U
34295001	11H12015	10/30/92	75-01-4	Vinyl chloride	1 U
34295001	11H12015	10/30/92	75-00-3	Chloroethane	1 U
34295001	11H12015	10/30/92	75-09-2	Methylene chloride	8 U
34295001	11H12015	10/30/92	67-64-1	Acetone	40 U
34295001	11H12015	10/30/92	75-15-0	Carbon disulfide	5 U
34295001	11H12015	10/30/92	75-35-4	1,1-Dichlorcethene	1 U
34295001	11H12015	10/30/92	75-34-3	1,1-Dichloroethane	2
34295001	11H12015	10/30/92	540-59-0	cis-1,2-Dichloroethene	1
34295001	11H12015	10/30/92	156-60-5	trans-1,2-Dichloroethene	1 U
34295001	11H12015	10/30/92	67-66-3	Chloroform	1 U
34295001	11H12015	10/30/92	107-06-2	1,2-Dichloroethane	1 U
34295001	11H12015	10/30/92	78-93-3	2-Butanone	5 U
34295001	11H12015	10/30/92	71-55-6	1,1,1-Trichloroethane	1 U
34295001	11H12015	10/30/92	56-23-5	Carbon tetrachloride	1 U
34295001	11H12015	10/30/92	75-27-4	Bromodichloromethane	1 U
34295001	11H12015	10/30/92	78-87-5	1,2-Dichloropropane	1 U
34295001	11H12015	10/30/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34295001	11H12015	10/30/92	79-01-6	Trichloroethene	1 U
34295001	11H12015	10/30/92	124-48-1	Dibromochloromethane	1 U
34295001	11H12015	10/30/92	79-00-5	1,1,2-Trichloroethane	1 U
34295001	11H12015	10/30/92	71-43-2	Benzene	2
34295001	11H12015	10/30/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34295001	11H12015	10/30/92	75-25-2	Bromoform	1 U
34295001	11H12015	10/30/92	591-78-6	2-Hexanone	5 U
34295001	11H12015	10/30/92	108-10-1	4-Methyl-2-pentanone	5 U
34295001	11H12015	10/30/92	127-18-4	Tetrachloroethene	1 U
34295001	11H12015	10/30/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34295001	11H12015	10/30/92	108-88-3	Toluene	1 U
34295001	11H12015	10/30/92	108-90-7	Chlorobenzene	1 U
34295001	11H12015	10/30/92	100-41-4	Ethylbenzene	1 U
34295001	11H12015	10/30/92	100-42-5	Styrene	1 U
34295001	11H12015	10/30/92	1330-20-7	Xylenes (total)	1 U
34295001	11H12015	10/30/92	541-73-1	1,3-Dichlorobenzene	1 U
34295001	11H12015	10/30/92	106-46-7	1,4-Dichlorobenzene	1 U
34295001	11H12015	10/30/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/03/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE GROUNDWATER SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34295004	11H12045	10/30/92	74-87-3	Chloromethane	1 U
34295004	11H12045	10/30/92	74-83-9	Bromomethane	1 U
34295004	11H12045	10/30/92	75-01-4	Vinyl chloride	1 U
34295004	11H12045	10/30/92	75-00-3	Chloroethane	1 U
34295004	11H12045	10/30/92	75-09-2	Methylene chloride	14 U
34295004	11H12045	10/30/92	67-64-1	Acetone	54 U
34295004	11H12045	10/30/92	75-15-0	Carbon disulfide	1 U
34295004	11H12045	10/30/92	75-35-4	1,1-Dichloroethene	1 U
34295004	11H12045	10/30/92	75-34-3	1,1-Dichloroethane	1 U
34295004	11H12045	10/30/92	540-59-0	cis-1,2-Dichloroethene	1 U
34295004	11H12045	10/30/92	156-60-5	trans-1,2-Dichloroethene	1 U
34295004	11H12045	10/30/92	67-66-3	Chloroform	1 U
34295004	11H12045	10/30/92	107-06-2	1,2-Dichloroethane	1 U
34295004	11H12045	10/30/92	78-93-3	2-Butanone	24
34295004	11H12045	10/30/92	71-55-6	1,1,1-Trichloroethane	1 U
34295004	11H12045	10/30/92	56-23-5	Carbon tetrachloride	1 U
34295004	11H12045	10/30/92	75-27-4	Bromodichloromethane	1 U
34295004	11H12045	10/30/92	78-87-5	1,2-Dichloropropane	1 U
34295004	11H12045	10/30/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34295004	11H12045	10/30/92	79-01-6	Trichloroethene	1 U
34295004	11H12045	10/30/92	124-48-1	Dibromochloromethane	1 U
34295004	11H12045	10/30/92	79-00-5	1,1,2-Trichloroethane	1 U
34295004	11H12045	10/30/92	71-43-2	Benzene	1 U
34295004	11H12045	10/30/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34295004	11H12045	10/30/92	75-25-2	Bromoform	1 U
34295004	11H12045	10/30/92	591-78-6	2-Hexanone	5 U
34295004	11H12045	10/30/92	108-10-1	4-Methyl-2-pentanone	55
34295004	11H12045	10/30/92	127-18-4	Tetrachloroethene	1 U
34295004	11H12045	10/30/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34295004	11H12045	10/30/92	108-88-3	Toluene	4 U
34295004	11H12045	10/30/92	108-90-7	Chlorobenzene	1 U
34295004	11H12045	10/30/92	100-41-4	Ethylbenzene	1 U
34295004	11H12045	10/30/92	100-42-5	Styrene	1 U
34295004	11H12045	10/30/92	1330-20-7	Xylenes (total)	1 U
34295004	11H12045	10/30/92	541-73-1	1,3-Dichlorobenzene	1 U
34295004	11H12045	10/30/92	106-46-7	1,4-Dichlorobenzene	1 U
34295004	11H12045	10/30/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/03/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE GROUNDWATER SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34311005	11H12716	11/02/92	74-87-3	Chloromethane	1 U
34311005	11H12716	11/02/92	74-83-9	Bromomethane	1 U
34311005	11H12716	11/02/92	75-01-4	Vinyl chloride	12
34311005	11H12716	11/02/92	75-00-3	Chloroethane	1 U
34311005	11H12716	11/02/92	75-09-2	Methylene chloride	3 U
34311005	11H12716	11/02/92	67-64-1	Acetone	13 U
34311005	11H12716	11/02/92	75-15-0	Carbon disulfide	1 U
34311005	11H12716	11/02/92	75-35-4	1,1-Dichloroethene	1 U
34311005	11H12716	11/02/92	75-34-3	1,1-Dichloroethane	1 U
34311005	11H12716	11/02/92	540-59-0	cis-1,2-Dichloroethene	82
34311005	11H12716	11/02/92	156-60-5	trans-1,2-Dichloroethene	1
34311005	11H12716	11/02/92	67-66-3	Chloroform	1 U
34311005	11H12716	11/02/92	107-06-2	1,2-Dichloroethane	1 U
34311005	11H12716	11/02/92	78-93-3	2-Butanone	5 U
34311005	11H12716	11/02/92	71-55-6	1,1,1-Trichloroethane	1 U
34311005	11H12716	11/02/92	56-23-5	Carbon tetrachloride	1 U
34311005	11H12716	11/02/92	75-27-4	Bromodichloromethane	1 U
34311005	11H12716	11/02/92	78-87-5	1,2-Dichloropropane	1 U
34311005	11H12716	11/02/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34311005	11H12716	11/02/92	79-01-6	Trichloroethene	1 U
34311005	11H12716	11/02/92	124-48-1	Dibromochloromethane	1 U
34311005	11H12716	11/02/92	79-00-5	1,1,2-Trichloroethane	1 U
34311005	11H12716	11/02/92	71-43-2	Benzene	1 U
34311005	11H12716	11/02/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34311005	11H12716	11/02/92	75-25-2	Bromoform	1 U
34311005	11H12716	11/02/92	591-78-6	2-Hexanone	5 U
34311005	11H12716	11/02/92	108-10-1	4-Methyl-2-pentanone	5 U
34311005	11H12716	11/02/92	127-18-4	Tetrachloroethene	1 U
34311005	11H12716	11/02/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34311005	11H12716	11/02/92	108-88-3	Toluene	1 U
34311005	11H12716	11/02/92	108-90-7	Chlorobenzene	1 U
34311005	11H12716	11/02/92	100-41-4	Ethylbenzene	1 U
34311005	11H12716	11/02/92	100-42-5	Styrene	1 U
34311005	11H12716	11/02/92	1330-20-7	Xylenes (total)	1 U
34311005	11H12716	11/02/92	541-73-1	1,3-Dichlorobenzene	1 U
34311005	11H12716	11/02/92	106-46-7	1,4-Dichlorobenzene	1 U
34311005	11H12716	11/02/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/05/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE GROUNDWATER SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34311006	11H12740	11/02/92	74-87-3	Chloromethane	1 U
34311006	11H12740	11/02/92	74-83-9	Bromomethane	1 U
34311006	11H12740	11/02/92	75-01-4	Vinyl chloride	1 U
34311006	11H12740	11/02/92	75-00-3	Chloroethane	1 U
34311006	11H12740	11/02/92	75-09-2	Methylene chloride	36 U
34311006	11H12740	11/02/92	67-64-1	Acetone	93
34311006	11H12740	11/02/92	75-15-0	Carbon disulfide	7
34311006	11H12740	11/02/92	75-35-4	1,1-Dichloroethene	1 U
34311006	11H12740	11/02/92	75-34-3	1,1-Dichloroethane	24
34311006	11H12740	11/02/92	540-59-0	cis-1,2-Dichloroethene	18
34311006	11H12740	11/02/92	156-60-5	trans-1,2-Dichloroethene	1 U
34311006	11H12740	11/02/92	67-66-3	Chloroform	1 U
34311006	11H12740	11/02/92	107-06-2	1,2-Dichloroethane	1 U
34311006	11H12740	11/02/92	78-93-3	2-Butanone	150
34311006	11H12740	11/02/92	71-55-6	1,1,1-Trichloroethane	1 U
34311006	11H12740	11/02/92	56-23-5	Carbon tetrachloride	1 U
34311006	11H12740	11/02/92	75-27-4	Bromodichloromethane	1 U
34311006	11H12740	11/02/92	78-87-5	1,2-Dichloropropane	6
34311006	11H12740	11/02/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34311006	11H12740	11/02/92	79-01-6	Trichloroethene	4
34311006	11H12740	11/02/92	124-48-1	Dibromochloromethane	1 U
34311006	11H12740	11/02/92	79-00-5	1,1,2-Trichloroethane	1 U
34311006	11H12740	11/02/92	71-43-2	Benzene	3
34311006	11H12740	11/02/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34311006	11H12740	11/02/92	75-25-2	Bromoform	1 U
34311006	11H12740	11/02/92	591-78-6	2-Hexanone	70
34311006	11H12740	11/02/92	108-10-1	4-Methyl-2-pentanone	34
34311006	11H12740	11/02/92	127-18-4	Tetrachloroethene	1 U
34311006	11H12740	11/02/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34311006	11H12740	11/02/92	108-88-3	Toluene	580
34311006	11H12740	11/02/92	108-90-7	Chlorobenzene	1 U
34311006	11H12740	11/02/92	100-41-4	Ethylbenzene	41
34311006	11H12740	11/02/92	100-42-5	Styrene	1 U
34311006	11H12740	11/02/92	1330-20-7	Xylenes (total)	120
34311006	11H12740	11/02/92	541-73-1	1,3-Dichlorobenzene	1 U
34311006	11H12740	11/02/92	106-46-7	1,4-Dichlorobenzene	1 U
34311006	11H12740	11/02/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/05/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE GROUNDWATER SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34329003	11H12748	11/03/92	74-87-3	Chloromethane	1 U
34329003	11H12748	11/03/92	74-83-9	Bromomethane	1 U
34329003	11H12748	11/03/92	75-01-4	Vinyl chloride	1 U
34329003	11H12748	11/03/92	75-00-3	Chloroethane	1 U
34329003	11H12748	11/03/92	75-09-2	Methylene chloride	24 U
34329003	11H12748	11/03/92	67-64-1	Acetone	160
34329003	11H12748	11/03/92	75-15-0	Carbon disulfide	5
34329003	11H12748	11/03/92	75-35-4	1,1-Dichloroethene	1 U
34329003	11H12748	11/03/92	75-34-3	1,1-Dichloroethane	5
34329003	11H12748	11/03/92	540-59-0	cis-1,2-Dichloroethene	1 U
34329003	11H12748	11/03/92	156-60-5	trans-1,2-Dichloroethene	1 U
34329003	11H12748	11/03/92	67-66-3	Chloroform	1 U
34329003	11H12748	11/03/92	107-06-2	1,2-Dichloroethane	1 U
34329003	11H12748	11/03/92	78-93-3	2-Butanone	360
34329003	11H12748	11/03/92	71-55-6	1,1,1-Trichloroethane	1 U
34329003	11H12748	11/03/92	56-23-5	Carbon tetrachloride	1 U
34329003	11H12748	11/03/92	75-27-4	Bromodichloromethane	1 U
34329003	11H12748	11/03/92	78-87-5	1,2-Dichloropropane	1 U
34329003	11H12748	11/03/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34329003	11H12748	11/03/92	79-01-6	Trichloroethene	1 U
34329003	11H12748	11/03/92	124-48-1	Dibromochloromethane	1 U
34329003	11H12748	11/03/92	79-00-5	1,1,2-Trichloroethane	1 U
34329003	11H12748	11/03/92	71-43-2	Benzene	1 U
34329003	11H12748	11/03/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34329003	11H12748	11/03/92	75-25-2	Bromoform	1 U
34329003	11H12748	11/03/92	591-78-6	2-Hexanone	19
34329003	11H12748	11/03/92	108-10-1	4-Methyl-2-pentanone	110
34329003	11H12748	11/03/92	127-18-4	Tetrachloroethene	1 U
34329003	11H12748	11/03/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34329003	11H12748	11/03/92	108-88-3	Toluene	68
34329003	11H12748	11/03/92	108-90-7	Chlorobenzene	1 U
34329003	11H12748	11/03/92	100-41-4	Ethylbenzene	7
34329003	11H12748	11/03/92	100-42-5	Styrene	1 U
34329003	11H12748	11/03/92	1330-20-7	Xylenes (total)	13
34329003	11H12748	11/03/92	541-73-1	1,3-Dichlorobenzene	1 U
34329003	11H12748	11/03/92	106-46-7	1,4-Dichlorobenzene	1 U
34329003	11H12748	11/03/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/05/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE GROUNDWATER SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34329004	11H12748D	11/03/92	74-87-3	Chloromethane	1 U
34329004	11H12748D	11/03/92	74-83-9	Bromomethane	1 U
34329004	11H12748D	11/03/92	75-01-4	Vinyl chloride	1 U
34329004	11H12748D	11/03/92	75-00-3	Chloroethane	1 U
34329004	11H12748D	11/03/92	75-09-2	Methylene chloride	23 U
34329004	11H12748D	11/03/92	67-64-1	Acetone	170
34329004	11H12748D	11/03/92	75-15-0	Carbon disulfide	13
34329004	11H12748D	11/03/92	75-35-4	1,1-Dichloroethene	1 U
34329004	11H12748D	11/03/92	75-34-3	1,1-Dichloroethane	5
34329004	11H12748D	11/03/92	540-59-0	cis-1,2-Dichloroethene	1 U
34329004	11H12748D	11/03/92	156-60-5	trans-1,2-Dichloroethene	1 U
34329004	11H12748D	11/03/92	67-66-3	Chloroform	1 U
34329004	11H12748D	11/03/92	107-06-2	1,2-Dichloroethane	1 U
34329004	11H12748D	11/03/92	78-93-3	2-Butanone	350
34329004	11H12748D	11/03/92	71-55-6	1,1,1-Trichloroethane	1 U
34329004	11H12748D	11/03/92	56-23-5	Carbon tetrachloride	1 U
34329004	11H12748D	11/03/92	75-27-4	Bromodichloromethane	1 U
34329004	11H12748D	11/03/92	78-87-5	1,2-Dichloropropane	1 U
34329004	11H12748D	11/03/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34329004	11H12748D	11/03/92	79-01-6	Trichloroethene	1 U
34329004	11H12748D	11/03/92	124-48-1	Dibromochloromethane	1 U
34329004	11H12748D	11/03/92	79-00-5	1,1,2-Trichloroethane	1 U
34329004	11H12748D	11/03/92	71-43-2	Benzene	1 U
34329004	11H12748D	11/03/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34329004	11H12748D	11/03/92	75-25-2	Bromoform	1 U
34329004	11H12748D	11/03/92	591-78-6	2-Hexanone	16
34329004	11H12748D	11/03/92	108-10-1	4-Methyl-2-pentanone	110
34329004	11H12748D	11/03/92	127-18-4	Tetrachloroethene	1 U
34329004	11H12748D	11/03/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34329004	11H12748D	11/03/92	108-88-3	Toluene	65
34329004	11H12748D	11/03/92	108-90-7	Chlorobenzene	1 U
34329004	11H12748D	11/03/92	100-41-4	Ethylbenzene	6
34329004	11H12748D	11/03/92	100-42-5	Styrene	1 U
34329004	11H12748D	11/03/92	1330-20-7	Xylenes (total)	12
34329004	11H12748D	11/03/92	541-73-1	1,3-Dichlorobenzene	1 U
34329004	11H12748D	11/03/92	106-46-7	1,4-Dichlorobenzene	1 U
34329004	11H12748D	11/03/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/05/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE GROUNDWATER SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34329001	11H12811	11/03/92	74-87-3	Chloromethane	1 U
34329001	11H12811	11/03/92	74-83-9	Bromomethane	1 U
34329001	11H12811	11/03/92	75-01-4	Vinyl chloride	1 U
34329001	11H12811	11/03/92	75-00-3	Chloroethane	1 U
34329001	11H12811	11/03/92	75-09-2	Methylene chloride	3 U
34329001	11H12811	11/03/92	67-64-1	Acetone	8 U
34329001	11H12811	11/03/92	75-15-0	Carbon disulfide	1 U
34329001	11H12811	11/03/92	75-35-4	1,1-Dichloroethene	1 U
34329001	11H12811	11/03/92	75-34-3	1,1-Dichloroethane	1 U
34329001	11H12811	11/03/92	540-59-0	cis-1,2-Dichloroethene	1 U
34329001	11H12811	11/03/92	156-60-5	trans-1,2-Dichloroethene	1 U
34329001	11H12811	11/03/92	67-66-3	Chloroform	1 U
34329001	11H12811	11/03/92	107-06-2	1,2-Dichloroethane	1 U
34329001	11H12811	11/03/92	78-93-3	2-Butanone	5 U
34329001	11H12811	11/03/92	71-55-6	1,1,1-Trichloroethane	1 U
34329001	11H12811	11/03/92	56-23-5	Carbon tetrachloride	1 U
34329001	11H12811	11/03/92	75-27-4	Bromodichloromethane	1 U
34329001	11H12811	11/03/92	78-87-5	1,2-Dichloropropane	1 U
34329001	11H12811	11/03/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34329001	11H12811	11/03/92	79-01-6	Trichloroethene	1 U
34329001	11H12811	11/03/92	124-48-1	Dibromochloromethane	1 U
34329001	11H12811	11/03/92	79-00-5	1,1,2-Trichloroethane	1 U
34329001	11H12811	11/03/92	71-43-2	Benzene	1 U
34329001	11H12811	11/03/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34329001	11H12811	11/03/92	75-25-2	Bromoform	1 U
34329001	11H12811	11/03/92	591-78-6	2-Hexanone	5 U
34329001	11H12811	11/03/92	108-10-1	4-Methyl-2-pentanone	5 U
34329001	11H12811	11/03/92	127-18-4	Tetrachloroethene	1 U
34329001	11H12811	11/03/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34329001	11H12811	11/03/92	108-88-3	Toluene	1 U
34329001	11H12811	11/03/92	108-90-7	Chlorobenzene	1 U
34329001	11H12811	11/03/92	100-41-4	Ethylbenzene	1 U
34329001	11H12811	11/03/92	100-42-5	Styrene	1 U
34329001	11H12811	11/03/92	1330-20-7	Xylenes (total)	1 U
34329001	11H12811	11/03/92	541-73-1	1,3-Dichlorobenzene	1 U
34329001	11H12811	11/03/92	106-46-7	1,4-Dichlorobenzene	1 U
34329001	11H12811	11/03/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/05/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE GROUNDWATER SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34412001	11H13642	11/13/92	74-87-3	Chloromethane	1 U
34412001	11H13642	11/13/92	74-83-9	Bromomethane	1 U
34412001	11H13642	11/13/92	75-01-4	Vinyl chloride	2
34412001	11H13642	11/13/92	75-00-3	Chloroethane	1 U
34412001	11H13642	11/13/92	75-09-2	Methylene chloride	27 U
34412001	11H13642	11/13/92	67-64-1	Acetone	100 J
34412001	11H13642	11/13/92	75-15-0	Carbon disulfide	1 U
34412001	11H13642	11/13/92	75-35-4	1,1-Dichloroethene	1 U
34412001	11H13642	11/13/92	75-34-3	1,1-Dichloroethane	12
34412001	11H13642	11/13/92	540-59-0	cis-1,2-Dichloroethene	50
34412001	11H13642	11/13/92	156-60-5	trans-1,2-Dichloroethene	1 U
34412001	11H13642	11/13/92	67-66-3	Chloroform	1 U
34412001	11H13642	11/13/92	107-06-2	1,2-Dichloroethane	1 U
34412001	11H13642	11/13/92	78-93-3	2-Butanone	130
34412001	11H13642	11/13/92	71-55-6	1,1,1-Trichloroethane	1 U
34412001	11H13642	11/13/92	56-23-5	Carbon tetrachloride	1 U
34412001	11H13642	11/13/92	75-27-4	Bromodichloromethane	1 U
34412001	11H13642	11/13/92	78-87-5	1,2-Dichloropropane	1 U
34412001	11H13642	11/13/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34412001	11H13642	11/13/92	79-01-6	Trichloroethene	45
34412001	11H13642	11/13/92	124-48-1	Dibromochloromethane	1 U
34412001	11H13642	11/13/92	79-00-5	1,1,2-Trichloroethane	1 U
34412001	11H13642	11/13/92	71-43-2	Benzene	1 U
34412001	11H13642	11/13/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34412001	11H13642	11/13/92	75-25-2	Bromoform	1 U
34412001	11H13642	11/13/92	591-78-6	2-Hexanone	5 U
34412001	11H13642	11/13/92	108-10-1	4-Methyl-2-pentanone	36
34412001	11H13642	11/13/92	127-18-4	Tetrachloroethene	1 U
34412001	11H13642	11/13/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34412001	11H13642	11/13/92	108-88-3	Toluene	61
34412001	11H13642	11/13/92	108-90-7	Chlorobenzene	1 U
34412001	11H13642	11/13/92	100-41-4	Ethylbenzene	9
34412001	11H13642	11/13/92	100-42-5	Styrene	1 U
34412001	11H13642	11/13/92	1330-20-7	Xylenes (total)	25
34412001	11H13642	11/13/92	541-73-1	1,3-Dichlorobenzene	1 U
34412001	11H13642	11/13/92	106-46-7	1,4-Dichlorobenzene	1 U
34412001	11H13642	11/13/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/17/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE GROUNDWATER SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34412002	11H13646	11/13/92	74-87-3	Chloromethane	1 U
34412002	11H13646	11/13/92	74-83-9	Bromomethane	1 U
34412002	11H13646	11/13/92	75-01-4	Vinyl chloride	1 U
34412002	11H13646	11/13/92	75-00-3	Chloroethane	1 U
34412002	11H13646	11/13/92	75-09-2	Methylene chloride	12 U
34412002	11H13646	11/13/92	67-64-1	Acetone	24 U
34412002	11H13646	11/13/92	75-15-0	Carbon disulfide	2 U
34412002	11H13646	11/13/92	75-35-4	1,1-Dichloroethene	1 U
34412002	11H13646	11/13/92	75-34-3	1,1-Dichloroethane	1 U
34412002	11H13646	11/13/92	540-59-0	cis-1,2-Dichloroethene	1 U
34412002	11H13646	11/13/92	156-60-5	trans-1,2-Dichloroethene	1 U
34412002	11H13646	11/13/92	67-66-3	Chloroform	1 U
34412002	11H13646	11/13/92	107-06-2	1,2-Dichloroethane	1 U
34412002	11H13646	11/13/92	78-93-3	2-Butanone	5 U
34412002	11H13646	11/13/92	71-55-6	1,1,1-Trichloroethane	1 U
34412002	11H13646	11/13/92	56-23-5	Carbon tetrachloride	1 U
34412002	11H13646	11/13/92	75-27-4	Bromodichloromethane	1 U
34412002	11H13646	11/13/92	78-87-5	1,2-Dichloropropane	1 U
34412002	11H13646	11/13/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34412002	11H13646	11/13/92	79-01-6	Trichloroethene	1 U
34412002	11H13646	11/13/92	124-48-1	Dibromochloromethane	1 U
34412002	11H13646	11/13/92	79-00-5	1,1,2-Trichloroethane	1 U
34412002	11H13646	11/13/92	71-43-2	Benzene	1 U
34412002	11H13646	11/13/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34412002	11H13646	11/13/92	75-25-2	Bromoform	1 U
34412002	11H13646	11/13/92	591-78-6	2-Hexanone	5 U
34412002	11H13646	11/13/92	108-10-1	4-Methyl-2-pentanone	5 U
34412002	11H13646	11/13/92	127-18-4	Tetrachloroethene	1 U
34412002	11H13646	11/13/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34412002	11H13646	11/13/92	108-88-3	Toluene	1 U
34412002	11H13646	11/13/92	108-90-7	Chlorobenzene	1 U
34412002	11H13646	11/13/92	100-41-4	Ethylbenzene	1 U
34412002	11H13646	11/13/92	100-42-5	Styrene	1 U
34412002	11H13646	11/13/92	1330-20-7	Xylenes (total)	1 U
34412002	11H13646	11/13/92	541-73-1	1,3-Dichlorobenzene	1 U
34412002	11H13646	11/13/92	106-46-7	1,4-Dichlorobenzene	1 U
34412002	11H13646	11/13/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/17/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE GROUNDWATER SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34438006	11H14229	11/16/92	74-87-3	Chloromethane	1 U
34438006	11H14229	11/16/92	74-83-9	Bromomethane	1 U
34438006	11H14229	11/16/92	75-01-4	Vinyl chloride	1 U
34438006	11H14229	11/16/92	75-00-3	Chloroethane	1 U
34438006	11H14229	11/16/92	75-09-2	Methylene chloride	3 U
34438006	11H14229	11/16/92	67-64-1	Acetone	6
34438006	11H14229	11/16/92	75-15-0	Carbon disulfide	1 U
34438006	11H14229	11/16/92	75-35-4	1,1-Dichloroethene	1 U
34438006	11H14229	11/16/92	75-34-3	1,1-Dichloroethane	1 U
34438006	11H14229	11/16/92	540-59-0	cis-1,2-Dichloroethene	1 U
34438006	11H14229	11/16/92	156-60-5	trans-1,2-Dichloroethene	1 U
34438006	11H14229	11/16/92	67-66-3	Chloroform	1 U
34438006	11H14229	11/16/92	107-06-2	1,2-Dichloroethane	1 U
34438006	11H14229	11/16/92	78-93-3	2-Butanone	5 U
34438006	11H14229	11/16/92	71-55-6	1,1,1-Trichloroethane	1 U
34438006	11H14229	11/16/92	56-23-5	Carbon tetrachloride	1 U
34438006	11H14229	11/16/92	75-27-4	Bromodichloromethane	1 U
34438006	11H14229	11/16/92	78-87-5	1,2-Dichloropropane	1 U
34438006	11H14229	11/16/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34438006	11H14229	11/16/92	79-01-6	Trichloroethene	1 U
34438006	11H14229	11/16/92	124-48-1	Dibromochloromethane	1 U
34438006	11H14229	11/16/92	79-00-5	1,1,2-Trichloroethane	1 U
34438006	11H14229	11/16/92	71-43-2	Benzene	1 U
34438006	11H14229	11/16/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34438006	11H14229	11/16/92	75-25-2	Bromoform	1 U
34438006	11H14229	11/16/92	591-78-6	2-Hexanone	5 U
34438006	11H14229	11/16/92	108-10-1	4-Methyl-2-pentanone	5 U
34438006	11H14229	11/16/92	127-18-4	Tetrachloroethene	1 U
34438006	11H14229	11/16/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34438006	11H14229	11/16/92	108-88-3	Toluene	1 U
34438006	11H14229	11/16/92	108-90-7	Chlorobenzene	1 U
34438006	11H14229	11/16/92	100-41-4	Ethylbenzene	1 U
34438006	11H14229	11/16/92	100-42-5	Styrene	1 U
34438006	11H14229	11/16/92	1330-20-7	Xylenes (total)	1 U
34438006	11H14229	11/16/92	541-73-1	1,3-Dichlorobenzene	1 U
34438006	11H14229	11/16/92	106-46-7	1,4-Dichlorobenzene	1 U
34438006	11H14229	11/16/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/19/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE GROUNDWATER SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34423002	11H13827	11/14/92	108-95-2	Phenol	10 U
34423002	11H13827	11/14/92	111-44-4	bis(2-Chloroethyl)ether	10 U
34423002	11H13827	11/14/92	95-57-8	2-Chlorophenol	10 U
34423002	11H13827	11/14/92	541-73-1	1,3-Dichlorobenzene	10 U
34423002	11H13827	11/14/92	106-46-7	1,4-Dichlorobenzene	10 U
34423002	11H13827	11/14/92	95-50-1	1,2-Dichlorobenzene	10 U
34423002	11H13827	11/14/92	95-48-7	2-Methylphenol	7 J
34423002	11H13827	11/14/92	108-60-1	2,2'-oxybis(1-Chloropropane)	10 U
34423002	11H13827	11/14/92	106-44-5	4-Methylphenol	120
34423002	11H13827	11/14/92	621-64-7	N-Nitroso-di-n-propylamine	10 U
34423002	11H13827	11/14/92	67-72-1	Hexachloroethane	10 U
34423002	11H13827	11/14/92	98-95-3	Nitrobenzene	10 U
34423002	11H13827	11/14/92	78-59-1	Isophorone	10 U
34423002	11H13827	11/14/92	88-75-5	2-Nitrophenol	10 U
34423002	11H13827	11/14/92	105-67-9	2,4-Dimethylphenol	280
34423002	11H13827	11/14/92	111-91-1	bis(2-Chloroethoxy)methane	10 U
34423002	11H13827	11/14/92	120-83-2	2,4-Dichlorophenol	10 U
34423002	11H13827	11/14/92	120-82-1	1,2,4-Trichlorobenzene	10 U
34423002	11H13827	11/14/92	91-20-3	Naphthalene	10 U
34423002	11H13827	11/14/92	106-47-8	4-Chloroaniline	10 U
34423002	11H13827	11/14/92	87-68-3	Hexachlorobutadiene	10 U
34423002	11H13827	11/14/92	59-50-7	4-Chloro-3-methylphenol	10 U
34423002	11H13827	11/14/92	91-57-6	2-Methylnaphthalene	10 U
34423002	11H13827	11/14/92	77-47-4	Hexachlorocyclopentadiene	10 U
34423002	11H13827	11/14/92	88-06-2	2,4,6-Trichlorophenol	10 U
34423002	11H13827	11/14/92	95-95-4	2,4,5-Trichlorophenol	25 U
34423002	11H13827	11/14/92	91-58-7	2-Chloronaphthalene	10 U
34423002	11H13827	11/14/92	88-74-4	2-Nitroaniline	25 U
34423002	11H13827	11/14/92	131-11-3	Dimethylphthalate	10 U
34423002	11H13827	11/14/92	208-96-8	Acenaphthylene	10 U
34423002	11H13827	11/14/92	606-20-2	2,6-Dinitrotoluene	10 U
34423002	11H13827	11/14/92	99-09-2	3-Nitroaniline	25 U
34423002	11H13827	11/14/92	83-32-9	Acenaphthene	10 U
34423002	11H13827	11/14/92	51-28-5	2,4-Dinitrophenol	25 U
34423002	11H13827	11/14/92	100-02-7	4-Nitrophenol	25 U
34423002	11H13827	11/14/92	132-64-9	Dibenzofuran	10 U
34423002	11H13827	11/14/92	121-14-2	2,4-Dinitrotoluene	10 U
34423002	11H13827	11/14/92	84-66-2	Diethylphthalate	50
34423002	11H13827	11/14/92	7005-72-3	4-Chlorophenyl-phenylether	10 U
34423002	11H13827	11/14/92	86-73-7	Fluorene	10 U
34423002	11H13827	11/14/92	100-01-6	4-Nitroaniline	25 U
34423002	11H13827	11/14/92	534-52-1	4,6-Dinitro-2-methylphenol	25 U

VALIDATED DATA FOR OFF-SITE GROUNDWATER SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34423002	11H13827	11/14/92	86-30-6	N-Nitrosodiphenylamine (1)	10 U
34423002	11H13827	11/14/92	101-55-3	4-Bromophenyl-phenylether	10 U
34423002	11H13827	11/14/92	118-74-1	Hexachlorobenzene	10 U
34423002	11H13827	11/14/92	87-86-5	Pentachlorophenol	25 U
34423002	11H13827	11/14/92	85-01-8	Phenanthrene	10 U
34423002	11H13827	11/14/92	120-12-7	Anthracene	10 U
34423002	11H13827	11/14/92	86-74-8	Carbazole	10 U
34423002	11H13827	11/14/92	84-74-2	Di-n-butylphthalate	10 U
34423002	11H13827	11/14/92	206-44-0	Fluoranthene	10 U
34423002	11H13827	11/14/92	129-00-0	Pyrene	10 U
34423002	11H13827	11/14/92	85-68-7	Butylbenzylphthalate	10 U
34423002	11H13827	11/14/92	91-94-1	3,3'-Dichlorobenzidine	10 U
34423002	11H13827	11/14/92	56-55-3	Benzo(a)anthracene	10 U
34423002	11H13827	11/14/92	218-01-9	Chrysene	10 U
34423002	11H13827	11/14/92	117-81-7	bis(2-Ethylhexyl)phthalate	10 U
34423002	11H13827	11/14/92	117-84-0	Di-n-octylphthalate	10 U
34423002	11H13827	11/14/92	205-99-2	Benzo(b)fluoranthene	10 U
34423002	11H13827	11/14/92	207-08-9	Benzo(k)fluoranthene	10 U
34423002	11H13827	11/14/92	50-32-8	Benzo(a)pyrene	10 U
34423002	11H13827	11/14/92	193-39-5	Indeno(1,2,3-cd)pyrene	10 U
34423002	11H13827	11/14/92	53-70-3	Dibenz(a,h)anthracene	10 U
34423002	11H13827	11/14/92	191-24-2	Benzo(g,h,i)perylene	10 U

Date Extracted: 11/17/92
Date Analyzed: 11/19/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE GROUNDWATER SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34443002	11H14621	11/17/92	108-95-2	Phenol	10 U
34443002	11H14621	11/17/92	111-44-4	bis(2-Chloroethyl)ether	10 U
34443002	11H14621	11/17/92	95-57-8	2-Chlorophenol	10 U
34443002	11H14621	11/17/92	541-73-1	1,3-Dichlorobenzene	10 U
34443002	11H14621	11/17/92	106-46-7	1,4-Dichlorobenzene	10 U
34443002	11H14621	11/17/92	95-50-1	1,2-Dichlorobenzene	10 U
34443002	11H14621	11/17/92	95-48-7	2-Methylphenol	10 U
34443002	11H14621	11/17/92	108-60-1	2,2'-oxybis(1-Chloropropane)	10 U
34443002	11H14621	11/17/92	106-44-5	4-Methylphenol	10 U
34443002	11H14621	11/17/92	621-64-7	N-Nitroso-di-n-propylamine	10 U
34443002	11H14621	11/17/92	67-72-1	Hexachloroethane	10 U
34443002	11H14621	11/17/92	98-95-3	Nitrobenzene	10 U
34443002	11H14621	11/17/92	78-59-1	Isophorone	10 U
34443002	11H14621	11/17/92	88-75-5	2-Nitrophenol	10 U
34443002	11H14621	11/17/92	105-67-9	2,4-Dimethylphenol	10 U
34443002	11H14621	11/17/92	111-91-1	bis(2-Chloroethoxy)methane	10 U
34443002	11H14621	11/17/92	120-83-2	2,4-Dichlorophenol	10 U
34443002	11H14621	11/17/92	120-82-1	1,2,4-Trichlorobenzene	10 U
34443002	11H14621	11/17/92	91-20-3	Naphthalene	19
34443002	11H14621	11/17/92	106-47-8	4-Chloroaniline	10 U
34443002	11H14621	11/17/92	87-68-3	Hexachlorobutadiene	10 U
34443002	11H14621	11/17/92	59-50-7	4-Chloro-3-methylphenol	10 U
34443002	11H14621	11/17/92	91-57-6	2-Methylnaphthalene	10 U
34443002	11H14621	11/17/92	77-47-4	Hexachlorocyclopentadiene	10 U
34443002	11H14621	11/17/92	88-06-2	2,4,6-Trichlorophenol	10 U
34443002	11H14621	11/17/92	95-95-4	2,4,5-Trichlorophenol	25 U
34443002	11H14621	11/17/92	91-58-7	2-Chloronaphthalene	10 U
34443002	11H14621	11/17/92	88-74-4	2-Nitroaniline	25 U
34443002	11H14621	11/17/92	131-11-3	Dimethylphthalate	10 U
34443002	11H14621	11/17/92	208-96-8	Acenaphthylene	10 U
34443002	11H14621	11/17/92	606-20-2	2,6-Dinitrotoluene	10 U
34443002	11H14621	11/17/92	99-09-2	3-Nitroaniline	25 U
34443002	11H14621	11/17/92	83-32-9	Acenaphthene	10 U
34443002	11H14621	11/17/92	51-28-5	2,4-Dinitrophenol	25 U
34443002	11H14621	11/17/92	100-02-7	4-Nitrophenol	25 U
34443002	11H14621	11/17/92	132-64-9	Dibenzofuran	10 U
34443002	11H14621	11/17/92	121-14-2	2,4-Dinitrotoluene	10 U
34443002	11H14621	11/17/92	84-66-2	Diethylphthalate	2 J
34443002	11H14621	11/17/92	7005-72-3	4-Chlorophenyl-phenylether	10 U
34443002	11H14621	11/17/92	86-73-7	Fluorene	10 U
34443002	11H14621	11/17/92	100-01-6	4-Nitroaniline	25 U
34443002	11H14621	11/17/92	534-52-1	4,6-Dinitro-2-methylphenol	25 U

VALIDATED DATA FOR OFF-SITE GROUNDWATER SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34443002	11H14621	11/17/92	86-30-6	N-Nitrosodiphenylamine (1)	10 U
34443002	11H14621	11/17/92	101-55-3	4-Bromophenyl-phenylether	10 U
34443002	11H14621	11/17/92	118-74-1	Hexachlorobenzene	10 U
34443002	11H14621	11/17/92	87-86-5	Pentachlorophenol	25 U
34443002	11H14621	11/17/92	85-01-8	Phenanthrene	10 U
34443002	11H14621	11/17/92	120-12-7	Anthracene	10 U
34443002	11H14621	11/17/92	86-74-8	Carbazole	10 U
34443002	11H14621	11/17/92	84-74-2	Di-n-butylphthalate	10 U
34443002	11H14621	11/17/92	206-44-0	Fluoranthene	10 U
34443002	11H14621	11/17/92	129-00-0	Pyrene	10 U
34443002	11H14621	11/17/92	85-68-7	Butylbenzylphthalate	10 U
34443002	11H14621	11/17/92	91-94-1	3,3'-Dichlorobenzidine	10 U
34443002	11H14621	11/17/92	56-55-3	Benzo(a)anthracene	10 U
34443002	11H14621	11/17/92	218-01-9	Chrysene	10 U
34443002	11H14621	11/17/92	117-81-7	bis(2-Ethylhexyl)phthalate	10 U
34443002	11H14621	11/17/92	117-84-0	Di-n-octylphthalate	10 U
34443002	11H14621	11/17/92	205-99-2	Benzo(b)fluoranthene	10 U
34443002	11H14621	11/17/92	207-08-9	Benzo(k)fluoranthene	10 U
34443002	11H14621	11/17/92	50-32-8	Benzo(a)pyrene	10 U
34443002	11H14621	11/17/92	193-39-5	Indeno(1,2,3-cd)pyrene	10 U
34443002	11H14621	11/17/92	53-70-3	Dibenz(a,h)anthracene	10 U
34443002	11H14621	11/17/92	191-24-2	Benzo(g,h,i)perylene	10 U

Date Extracted: 11/19/92
Date Analyzed: 11/23/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE GROUNDWATER SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34443003	11H14621D	11/17/92	108-95-2	Phenol	10 U
34443003	11H14621D	11/17/92	111-44-4	bis(2-Chloroethyl)ether	10 U
34443003	11H14621D	11/17/92	95-57-8	2-Chlorophenol	10 U
34443003	11H14621D	11/17/92	541-73-1	1,3-Dichlorobenzene	10 U
34443003	11H14621D	11/17/92	106-46-7	1,4-Dichlorobenzene	10 U
34443003	11H14621D	11/17/92	95-50-1	1,2-Dichlorobenzene	10 U
34443003	11H14621D	11/17/92	95-48-7	2-Methylphenol	10 U
34443003	11H14621D	11/17/92	108-60-1	2,2'-oxybis(1-Chloropropane)	10 U
34443003	11H14621D	11/17/92	106-44-5	4-Methylphenol	10 U
34443003	11H14621D	11/17/92	621-64-7	N-Nitroso-di-n-propylamine	10 U
34443003	11H14621D	11/17/92	67-72-1	Hexachloroethane	10 U
34443003	11H14621D	11/17/92	98-95-3	Nitrobenzene	10 U
34443003	11H14621D	11/17/92	78-59-1	Isophorone	10 U
34443003	11H14621D	11/17/92	88-75-5	2-Nitrophenol	10 U
34443003	11H14621D	11/17/92	105-67-9	2,4-Dimethylphenol	10 U
34443003	11H14621D	11/17/92	111-91-1	bis(2-Chloroethoxy)methane	10 U
34443003	11H14621D	11/17/92	120-83-2	2,4-Dichlorophenol	10 U
34443003	11H14621D	11/17/92	120-82-1	1,2,4-Trichlorobenzene	10 U
34443003	11H14621D	11/17/92	91-20-3	Naphthalene	20
34443003	11H14621D	11/17/92	106-47-8	4-Chloroaniline	10 U
34443003	11H14621D	11/17/92	87-68-3	Hexachlorobutadiene	10 U
34443003	11H14621D	11/17/92	59-50-7	4-Chloro-3-methylphenol	10 U
34443003	11H14621D	11/17/92	91-57-6	2-Methylnaphthalene	10 U
34443003	11H14621D	11/17/92	77-47-4	Hexachlorocyclopentadiene	10 U
34443003	11H14621D	11/17/92	88-06-2	2,4,6-Trichlorophenol	10 U
34443003	11H14621D	11/17/92	95-95-4	2,4,5-Trichlorophenol	25 U
34443003	11H14621D	11/17/92	91-58-7	2-Chloronaphthalene	10 U
34443003	11H14621D	11/17/92	88-74-4	2-Nitroaniline	25 U
34443003	11H14621D	11/17/92	131-11-3	Dimethylphthalate	10 U
34443003	11H14621D	11/17/92	208-96-8	Acenaphthylene	10 U
34443003	11H14621D	11/17/92	606-20-2	2,6-Dinitrotoluene	10 U
34443003	11H14621D	11/17/92	99-09-2	3-Nitroaniline	25 U
34443003	11H14621D	11/17/92	83-32-9	Acenaphthene	10 U
34443003	11H14621D	11/17/92	51-28-5	2,4-Dinitrophenol	25 U
34443003	11H14621D	11/17/92	100-02-7	4-Nitrophenol	25 U
34443003	11H14621D	11/17/92	132-64-9	Dibenzofuran	10 U
34443003	11H14621D	11/17/92	121-14-2	2,4-Dinitrotoluene	10 U
34443003	11H14621D	11/17/92	84-66-2	Diethylphthalate	2 J
34443003	11H14621D	11/17/92	7005-72-3	4-Chlorophenyl-phenylether	10 U
34443003	11H14621D	11/17/92	86-73-7	Fluorene	10 U
34443003	11H14621D	11/17/92	100-01-6	4-Nitroaniline	25 U
34443003	11H14621D	11/17/92	534-52-1	4,6-Dinitro-2-methylphenol	25 U

VALIDATED DATA FOR OFF-SITE GROUNDWATER SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34443003	11H14621D	11/17/92	86-30-6	N-Nitrosodiphenylamine (1)	10 U
34443003	11H14621D	11/17/92	101-55-3	4-Bromophenyl-phenylether	10 U
34443003	11H14621D	11/17/92	118-74-1	Hexachlorobenzene	10 U
34443003	11H14621D	11/17/92	87-86-5	Pentachlorophenol	25 U
34443003	11H14621D	11/17/92	85-01-8	Phenanthrene	10 U
34443003	11H14621D	11/17/92	120-12-7	Anthracene	10 U
34443003	11H14621D	11/17/92	86-74-8	Carbazole	10 U
34443003	11H14621D	11/17/92	84-74-2	Di-n-butylphthalate	10 U
34443003	11H14621D	11/17/92	206-44-0	Fluoranthene	10 U
34443003	11H14621D	11/17/92	129-00-0	Pyrene	10 U
34443003	11H14621D	11/17/92	85-68-7	Butylbenzylphthalate	10 U
34443003	11H14621D	11/17/92	91-94-1	3,3'-Dichlorobenzidine	10 U
34443003	11H14621D	11/17/92	56-55-3	Benzo(a)anthracene	10 U
34443003	11H14621D	11/17/92	218-01-9	Chrysene	10 U
34443003	11H14621D	11/17/92	117-81-7	bis(2-Ethylhexyl)phthalate	10 U
34443003	11H14621D	11/17/92	117-84-0	Di-n-octylphthalate	10 U
34443003	11H14621D	11/17/92	205-99-2	Benzo(b)fluoranthene	10 U
34443003	11H14621D	11/17/92	207-08-9	Benzo(k)fluoranthene	10 U
34443003	11H14621D	11/17/92	50-32-8	Benzo(a)pyrene	10 U
34443003	11H14621D	11/17/92	193-39-5	Indeno(1,2,3-cd)pyrene	10 U
34443003	11H14621D	11/17/92	53-70-3	Dibenz(a,h)anthracene	10 U
34443003	11H14621D	11/17/92	191-24-2	Benzo(g,h,i)perylene	10 U

Date Extracted: 11/19/92
Date Analyzed: 11/23/92
Dilution Factor: 1.0

PRIVATE IRRIGATION WELLS

VALIDATED DATA FOR OFF-SITE PRIVATE IRRIGATION WELL SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34276001	CRP-PW1	10/28/92	74-87-3	Chloromethane	1 U
34276001	CRP-PW1	10/28/92	74-83-9	Bromomethane	1 U
34276001	CRP-PW1	10/28/92	75-01-4	Vinyl chloride	1 U
34276001	CRP-PW1	10/28/92	75-00-3	Chloroethane	1 U
34276001	CRP-PW1	10/28/92	75-09-2	Methylene chloride	10 U
34276001	CRP-PW1	10/28/92	67-64-1	Acetone	5 U
34276001	CRP-PW1	10/28/92	75-15-0	Carbon disulfide	1 U
34276001	CRP-PW1	10/28/92	75-35-4	1,1-Dichloroethene	1 U
34276001	CRP-PW1	10/28/92	75-34-3	1,1-Dichloroethane	1 U
34276001	CRP-PW1	10/28/92	540-59-0	cis-1,2-Dichloroethene	1 U
34276001	CRP-PW1	10/28/92	156-60-5	trans-1,2-Dichloroethene	1 U
34276001	CRP-PW1	10/28/92	67-66-3	Chloroform	1 U
34276001	CRP-PW1	10/28/92	107-06-2	1,2-Dichloroethane	1 U
34276001	CRP-PW1	10/28/92	78-93-3	2-Butanone	5 U
34276001	CRP-PW1	10/28/92	71-55-6	1,1,1-Trichloroethane	1 U
34276001	CRP-PW1	10/28/92	56-23-5	Carbon tetrachloride	1 U
34276001	CRP-PW1	10/28/92	75-27-4	Bromodichloromethane	1 U
34276001	CRP-PW1	10/28/92	78-87-5	1,2-Dichloropropane	1 U
34276001	CRP-PW1	10/28/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34276001	CRP-PW1	10/28/92	79-01-6	Trichloroethene	1 U
34276001	CRP-PW1	10/28/92	124-48-1	Dibromochloromethane	1 U
34276001	CRP-PW1	10/28/92	79-00-5	1,1,2-Trichloroethane	1 U
34276001	CRP-PW1	10/28/92	71-43-2	Benzene	1 U
34276001	CRP-PW1	10/28/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34276001	CRP-PW1	10/28/92	75-25-2	Bromoform	1 U
34276001	CRP-PW1	10/28/92	591-78-6	2-Hexanone	5 U
34276001	CRP-PW1	10/28/92	108-10-1	4-Methyl-2-pentanone	5 U
34276001	CRP-PW1	10/28/92	127-18-4	Tetrachloroethene	1 U
34276001	CRP-PW1	10/28/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34276001	CRP-PW1	10/28/92	108-88-3	Toluene	1 U
34276001	CRP-PW1	10/28/92	108-90-7	Chlorobenzene	1 U
34276001	CRP-PW1	10/28/92	100-41-4	Ethylbenzene	1 U
34276001	CRP-PW1	10/28/92	100-42-5	Styrene	1 U
34276001	CRP-PW1	10/28/92	1330-20-7	Xylenes (total)	1 U
34276001	CRP-PW1	10/28/92	541-73-1	1,3-Dichlorobenzene	1 U
34276001	CRP-PW1	10/28/92	106-46-7	1,4-Dichlorobenzene	1 U
34276001	CRP-PW1	10/28/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/02/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE PRIVATE IRRIGATION WELL SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34276002	CRP-PW2	10/28/92	74-87-3	Chloromethane	1 U
34276002	CRP-PW2	10/28/92	74-83-9	Bromomethane	1 U
34276002	CRP-PW2	10/28/92	75-01-4	Vinyl chloride	1 U
34276002	CRP-PW2	10/28/92	75-00-3	Chloroethane	1 U
34276002	CRP-PW2	10/28/92	75-09-2	Methylene chloride	10 U
34276002	CRP-PW2	10/28/92	67-64-1	Acetone	5 U
34276002	CRP-PW2	10/28/92	75-15-0	Carbon disulfide	1 U
34276002	CRP-PW2	10/28/92	75-35-4	1,1-Dichloroethene	1 U
34276002	CRP-PW2	10/28/92	75-34-3	1,1-Dichloroethane	1 U
34276002	CRP-PW2	10/28/92	540-59-0	cis-1,2-Dichloroethene	1 U
34276002	CRP-PW2	10/28/92	156-60-5	trans-1,2-Dichloroethene	1 U
34276002	CRP-PW2	10/28/92	67-66-3	Chloroform	1 U
34276002	CRP-PW2	10/28/92	107-06-2	1,2-Dichloroethane	1 U
34276002	CRP-PW2	10/28/92	78-93-3	2-Butanone	5 U
34276002	CRP-PW2	10/28/92	71-55-6	1,1,1-Trichloroethane	1 U
34276002	CRP-PW2	10/28/92	56-23-5	Carbon tetrachloride	1 U
34276002	CRP-PW2	10/28/92	75-27-4	Bromodichloromethane	1 U
34276002	CRP-PW2	10/28/92	78-87-5	1,2-Dichloropropane	1 U
34276002	CRP-PW2	10/28/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34276002	CRP-PW2	10/28/92	79-01-6	Trichloroethene	1 U
34276002	CRP-PW2	10/28/92	124-48-1	Dibromochloromethane	1 U
34276002	CRP-PW2	10/28/92	79-00-5	1,1,2-Trichloroethane	1 U
34276002	CRP-PW2	10/28/92	71-43-2	Benzene	1 U
34276002	CRP-PW2	10/28/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34276002	CRP-PW2	10/28/92	75-25-2	Bromoform	1 U
34276002	CRP-PW2	10/28/92	591-78-6	2-Hexanone	5 U
34276002	CRP-PW2	10/28/92	108-10-1	4-Methyl-2-pentanone	5 U
34276002	CRP-PW2	10/28/92	127-18-4	Tetrachloroethene	1 U
34276002	CRP-PW2	10/28/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34276002	CRP-PW2	10/28/92	108-88-3	Toluene	1 U
34276002	CRP-PW2	10/28/92	108-90-7	Chlorobenzene	1 U
34276002	CRP-PW2	10/28/92	100-41-4	Ethylbenzene	1 U
34276002	CRP-PW2	10/28/92	100-42-5	Styrene	1 U
34276002	CRP-PW2	10/28/92	1330-20-7	Xylenes (total)	1 U
34276002	CRP-PW2	10/28/92	541-73-1	1,3-Dichlorobenzene	1 U
34276002	CRP-PW2	10/28/92	106-46-7	1,4-Dichlorobenzene	1 U
34276002	CRP-PW2	10/28/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/02/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE PRIVATE IRRIGATION WELL SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34276003	CRP-PW3	10/28/92	74-87-3	Chloromethane	1 U
34276003	CRP-PW3	10/28/92	74-83-9	Bromomethane	1 U
34276003	CRP-PW3	10/28/92	75-01-4	Vinyl chloride	1 U
34276003	CRP-PW3	10/28/92	75-00-3	Chloroethane	1 U
34276003	CRP-PW3	10/28/92	75-09-2	Methylene chloride	14 U
34276003	CRP-PW3	10/28/92	67-64-1	Acetone	5 U
34276003	CRP-PW3	10/28/92	75-15-0	Carbon disulfide	1
34276003	CRP-PW3	10/28/92	75-35-4	1,1-Dichloroethene	1 U
34276003	CRP-PW3	10/28/92	75-34-3	1,1-Dichloroethane	1 U
34276003	CRP-PW3	10/28/92	540-59-0	cis-1,2-Dichloroethene	1 U
34276003	CRP-PW3	10/28/92	156-60-5	trans-1,2-Dichloroethene	1 U
34276003	CRP-PW3	10/28/92	67-66-3	Chloroform	1 U
34276003	CRP-PW3	10/28/92	107-06-2	1,2-Dichloroethane	1 U
34276003	CRP-PW3	10/28/92	78-93-3	2-Butanone	5 U
34276003	CRP-PW3	10/28/92	71-55-6	1,1,1-Trichloroethane	1 U
34276003	CRP-PW3	10/28/92	56-23-5	Carbon tetrachloride	1 U
34276003	CRP-PW3	10/28/92	75-27-4	Bromodichloromethane	1 U
34276003	CRP-PW3	10/28/92	78-87-5	1,2-Dichloropropane	1 U
34276003	CRP-PW3	10/28/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34276003	CRP-PW3	10/28/92	79-01-6	Trichloroethene	1 U
34276003	CRP-PW3	10/28/92	124-48-1	Dibromochloromethane	1 U
34276003	CRP-PW3	10/28/92	79-00-5	1,1,2-Trichloroethane	1 U
34276003	CRP-PW3	10/28/92	71-43-2	Benzene	1 U
34276003	CRP-PW3	10/28/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34276003	CRP-PW3	10/28/92	75-25-2	Bromoform	1 U
34276003	CRP-PW3	10/28/92	591-78-6	2-Hexanone	5 U
34276003	CRP-PW3	10/28/92	108-10-1	4-Methyl-2-pentanone	5 U
34276003	CRP-PW3	10/28/92	127-18-4	Tetrachloroethene	1 U
34276003	CRP-PW3	10/28/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34276003	CRP-PW3	10/28/92	108-88-3	Toluene	1 U
34276003	CRP-PW3	10/28/92	108-90-7	Chlorobenzene	1 U
34276003	CRP-PW3	10/28/92	100-41-4	Ethylbenzene	1 U
34276003	CRP-PW3	10/28/92	100-42-5	Styrene	1 U
34276003	CRP-PW3	10/28/92	1330-20-7	Xylenes (total)	1 U
34276003	CRP-PW3	10/28/92	541-73-1	1,3-Dichlorobenzene	1 U
34276003	CRP-PW3	10/28/92	106-46-7	1,4-Dichlorobenzene	1 U
34276003	CRP-PW3	10/28/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/02/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE PRIVATE IRRIGATION WELL SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34276004	CRP-PW3D	10/28/92	74-87-3	Chloromethane	1 U
34276004	CRP-PW3D	10/28/92	74-83-9	Bromomethane	1 U
34276004	CRP-PW3D	10/28/92	75-01-4	Vinyl chloride	1 U
34276004	CRP-PW3D	10/28/92	75-00-3	Chloroethane	1 U
34276004	CRP-PW3D	10/28/92	75-09-2	Methylene chloride	2 U
34276004	CRP-PW3D	10/28/92	67-64-1	Acetone	5 U
34276004	CRP-PW3D	10/28/92	75-15-0	Carbon disulfide	1 U
34276004	CRP-PW3D	10/28/92	75-35-4	1,1-Dichloroethene	1 U
34276004	CRP-PW3D	10/28/92	75-34-3	1,1-Dichloroethane	1 U
34276004	CRP-PW3D	10/28/92	540-59-0	cis-1,2-Dichloroethene	1 U
34276004	CRP-PW3D	10/28/92	156-60-5	trans-1,2-Dichloroethene	1 U
34276004	CRP-PW3D	10/28/92	67-66-3	Chloroform	1 U
34276004	CRP-PW3D	10/28/92	107-06-2	1,2-Dichloroethane	1 U
34276004	CRP-PW3D	10/28/92	78-93-3	2-Butanone	5 U
34276004	CRP-PW3D	10/28/92	71-55-6	1,1,1-Trichloroethane	1 U
34276004	CRP-PW3D	10/28/92	56-23-5	Carbon tetrachloride	1 U
34276004	CRP-PW3D	10/28/92	75-27-4	Bromodichloromethane	1 U
34276004	CRP-PW3D	10/28/92	78-87-5	1,2-Dichloropropane	1 U
34276004	CRP-PW3D	10/28/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34276004	CRP-PW3D	10/28/92	79-01-6	Trichloroethene	1 U
34276004	CRP-PW3D	10/28/92	124-48-1	Dibromochloromethane	1 U
34276004	CRP-PW3D	10/28/92	79-00-5	1,1,2-Trichloroethane	1 U
34276004	CRP-PW3D	10/28/92	71-43-2	Benzene	1 U
34276004	CRP-PW3D	10/28/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34276004	CRP-PW3D	10/28/92	75-25-2	Bromoform	1 U
34276004	CRP-PW3D	10/28/92	591-78-6	2-Hexanone	5 U
34276004	CRP-PW3D	10/28/92	108-10-1	4-Methyl-2-pentanone	5 U
34276004	CRP-PW3D	10/28/92	127-18-4	Tetrachloroethene	1 U
34276004	CRP-PW3D	10/28/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34276004	CRP-PW3D	10/28/92	108-88-3	Toluene	1 U
34276004	CRP-PW3D	10/28/92	108-90-7	Chlorobenzene	1 U
34276004	CRP-PW3D	10/28/92	100-41-4	Ethylbenzene	1 U
34276004	CRP-PW3D	10/28/92	100-42-5	Styrene	1 U
34276004	CRP-PW3D	10/28/92	1330-20-7	Xylenes (total)	1 U
34276004	CRP-PW3D	10/28/92	541-73-1	1,3-Dichlorobenzene	1 U
34276004	CRP-PW3D	10/28/92	106-46-7	1,4-Dichlorobenzene	1 U
34276004	CRP-PW3D	10/28/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/03/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE PRIVATE IRRIGATION WELL SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34276005	CRP-PW4	10/28/92	74-87-3	Chloromethane	1 U
34276005	CRP-PW4	10/28/92	74-83-9	Bromomethane	1 U
34276005	CRP-PW4	10/28/92	75-01-4	Vinyl chloride	1 U
34276005	CRP-PW4	10/28/92	75-00-3	Chloroethane	1 U
34276005	CRP-PW4	10/28/92	75-09-2	Methylene chloride	2 U
34276005	CRP-PW4	10/28/92	67-64-1	Acetone	5 U
34276005	CRP-PW4	10/28/92	75-15-0	Carbon disulfide	1 U
34276005	CRP-PW4	10/28/92	75-35-4	1,1-Dichloroethene	1 U
34276005	CRP-PW4	10/28/92	75-34-3	1,1-Dichloroethane	1 U
34276005	CRP-PW4	10/28/92	540-59-0	cis-1,2-Dichloroethene	1 U
34276005	CRP-PW4	10/28/92	156-60-5	trans-1,2-Dichloroethene	1 U
34276005	CRP-PW4	10/28/92	67-66-3	Chloroform	1 U
34276005	CRP-PW4	10/28/92	107-06-2	1,2-Dichloroethane	1 U
34276005	CRP-PW4	10/28/92	78-93-3	2-Butanone	5 U
34276005	CRP-PW4	10/28/92	71-55-6	1,1,1-Trichloroethane	1 U
34276005	CRP-PW4	10/28/92	56-23-5	Carbon tetrachloride	1 U
34276005	CRP-PW4	10/28/92	75-27-4	Bromodichloromethane	1 U
34276005	CRP-PW4	10/28/92	78-87-5	1,2-Dichloropropane	1 U
34276005	CRP-PW4	10/28/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34276005	CRP-PW4	10/28/92	79-01-6	Trichloroethene	1 U
34276005	CRP-PW4	10/28/92	124-48-1	Dibromochloromethane	1 U
34276005	CRP-PW4	10/28/92	79-00-5	1,1,2-Trichloroethane	1 U
34276005	CRP-PW4	10/28/92	71-43-2	Benzene	1 U
34276005	CRP-PW4	10/28/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34276005	CRP-PW4	10/28/92	75-25-2	Bromoform	1 U
34276005	CRP-PW4	10/28/92	591-78-6	2-Hexanone	5 U
34276005	CRP-PW4	10/28/92	108-10-1	4-Methyl-2-pentanone	5 U
34276005	CRP-PW4	10/28/92	127-18-4	Tetrachloroethene	1 U
34276005	CRP-PW4	10/28/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34276005	CRP-PW4	10/28/92	108-88-3	Toluene	1 U
34276005	CRP-PW4	10/28/92	108-90-7	Chlorobenzene	1 U
34276005	CRP-PW4	10/28/92	100-41-4	Ethylbenzene	1 U
34276005	CRP-PW4	10/28/92	100-42-5	Styrene	1 U
34276005	CRP-PW4	10/28/92	1330-20-7	Xylenes (total)	1 U
34276005	CRP-PW4	10/28/92	541-73-1	1,3-Dichlorobenzene	1 U
34276005	CRP-PW4	10/28/92	106-46-7	1,4-Dichlorobenzene	1 U
34276005	CRP-PW4	10/28/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/03/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE PRIVATE IRRIGATION WELL SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34276006	CRP-PW5	10/28/92	74-87-3	Chloromethane	1 U
34276006	CRP-PW5	10/28/92	74-83-9	Bromomethane	1 U
34276006	CRP-PW5	10/28/92	75-01-4	Vinyl chloride	1 U
34276006	CRP-PW5	10/28/92	75-00-3	Chloroethane	1 U
34276006	CRP-PW5	10/28/92	75-09-2	Methylene chloride	15 U
34276006	CRP-PW5	10/28/92	67-64-1	Acetone	5 U
34276006	CRP-PW5	10/28/92	75-15-0	Carbon disulfide	1 U
34276006	CRP-PW5	10/28/92	75-35-4	1,1-Dichloroethene	1 U
34276006	CRP-PW5	10/28/92	75-34-3	1,1-Dichloroethane	1 U
34276006	CRP-PW5	10/28/92	540-59-0	cis-1,2-Dichloroethene	1 U
34276006	CRP-PW5	10/28/92	156-60-5	trans-1,2-Dichloroethene	1 U
34276006	CRP-PW5	10/28/92	67-66-3	Chloroform	1 U
34276006	CRP-PW5	10/28/92	107-06-2	1,2-Dichloroethane	1 U
34276006	CRP-PW5	10/28/92	78-93-3	2-Butanone	5 U
34276006	CRP-PW5	10/28/92	71-55-6	1,1,1-Trichloroethane	1 U
34276006	CRP-PW5	10/28/92	56-23-5	Carbon tetrachloride	1 U
34276006	CRP-PW5	10/28/92	75-27-4	Bromodichloromethane	1 U
34276006	CRP-PW5	10/28/92	78-87-5	1,2-Dichloropropane	1 U
34276006	CRP-PW5	10/28/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34276006	CRP-PW5	10/28/92	79-01-6	Trichloroethene	1 U
34276006	CRP-PW5	10/28/92	124-48-1	Dibromochloromethane	1 U
34276006	CRP-PW5	10/28/92	79-00-5	1,1,2-Trichloroethane	1 U
34276006	CRP-PW5	10/28/92	71-43-2	Benzene	1 U
34276006	CRP-PW5	10/28/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34276006	CRP-PW5	10/28/92	75-25-2	Bromoform	1 U
34276006	CRP-PW5	10/28/92	591-78-6	2-Hexanone	5 U
34276006	CRP-PW5	10/28/92	108-10-1	4-Methyl-2-pentanone	5 U
34276006	CRP-PW5	10/28/92	127-18-4	Tetrachloroethene	1 U
34276006	CRP-PW5	10/28/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34276006	CRP-PW5	10/28/92	108-88-3	Toluene	1 U
34276006	CRP-PW5	10/28/92	108-90-7	Chlorobenzene	1 U
34276006	CRP-PW5	10/28/92	100-41-4	Ethylbenzene	1 U
34276006	CRP-PW5	10/28/92	100-42-5	Styrene	1 U
34276006	CRP-PW5	10/28/92	1330-20-7	Xylenes (total)	1 U
34276006	CRP-PW5	10/28/92	541-73-1	1,3-Dichlorobenzene	1 U
34276006	CRP-PW5	10/28/92	106-46-7	1,4-Dichlorobenzene	1 U
34276006	CRP-PW5	10/28/92	95-50-1	1,2-Dichlorobenzene	1 U

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VALIDATED DATA FOR OFF-SITE PRIVATE IRRIGATION WELL SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34276008	CRP-PW6	10/28/92	74-87-3	Chloromethane	1 U
34276008	CRP-PW6	10/28/92	74-83-9	Bromomethane	1 U
34276008	CRP-PW6	10/28/92	75-01-4	Vinyl chloride	5
34276008	CRP-PW6	10/28/92	75-00-3	Chloroethane	1 U
34276008	CRP-PW6	10/28/92	75-09-2	Methylene chloride	16 U
34276008	CRP-PW6	10/28/92	67-64-1	Acetone	5 U
34276008	CRP-PW6	10/28/92	75-15-0	Carbon disulfide	1
34276008	CRP-PW6	10/28/92	75-35-4	1,1-Dichloroethene	1 U
34276008	CRP-PW6	10/28/92	75-34-3	1,1-Dichloroethane	1 U
34276008	CRP-PW6	10/28/92	540-59-0	cis-1,2-Dichloroethene	5
34276008	CRP-PW6	10/28/92	156-60-5	trans-1,2-Dichloroethene	1 U
34276008	CRP-PW6	10/28/92	67-66-3	Chloroform	1 U
34276008	CRP-PW6	10/28/92	107-06-2	1,2-Dichloroethane	1 U
34276008	CRP-PW6	10/28/92	78-93-3	2-Butanone	5 U
34276008	CRP-PW6	10/28/92	71-55-6	1,1,1-Trichloroethane	1 U
34276008	CRP-PW6	10/28/92	56-23-5	Carbon tetrachloride	1 U
34276008	CRP-PW6	10/28/92	75-27-4	Bromodichloromethane	1 U
34276008	CRP-PW6	10/28/92	78-87-5	1,2-Dichloropropane	1 U
34276008	CRP-PW6	10/28/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34276008	CRP-PW6	10/28/92	79-01-6	Trichloroethene	1 U
34276008	CRP-PW6	10/28/92	124-48-1	Dibromochloromethane	1 U
34276008	CRP-PW6	10/28/92	79-00-5	1,1,2-Trichloroethane	1 U
34276008	CRP-PW6	10/28/92	71-43-2	Benzene	1 U
34276008	CRP-PW6	10/28/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34276008	CRP-PW6	10/28/92	75-25-2	Bromoform	1 U
34276008	CRP-PW6	10/28/92	591-78-6	2-Hexanone	5 U
34276008	CRP-PW6	10/28/92	108-10-1	4-Methyl-2-pentanone	5 U
34276008	CRP-PW6	10/28/92	127-18-4	Tetrachloroethene	1 U
34276008	CRP-PW6	10/28/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34276008	CRP-PW6	10/28/92	108-88-3	Toluene	1 U
34276008	CRP-PW6	10/28/92	108-90-7	Chlorobenzene	1 U
34276008	CRP-PW6	10/28/92	100-41-4	Ethylbenzene	5
34276008	CRP-PW6	10/28/92	100-42-5	Styrene	1 U
34276008	CRP-PW6	10/28/92	1330-20-7	Xylenes (total)	1 U
34276008	CRP-PW6	10/28/92	541-73-1	1,3-Dichlorobenzene	1 U
34276008	CRP-PW6	10/28/92	106-46-7	1,4-Dichlorobenzene	1 U
34276008	CRP-PW6	10/28/92	95-50-1	1,2-Dichlorobenzene	1 U

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Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34276009	CRP-PW9	10/28/92	74-87-3	Chloromethane	1 U
34276009	CRP-PW9	10/28/92	74-83-9	Bromomethane	1 U
34276009	CRP-PW9	10/28/92	75-01-4	Vinyl chloride	1 U
34276009	CRP-PW9	10/28/92	75-00-3	Chloroethane	1 U
34276009	CRP-PW9	10/28/92	75-09-2	Methylene chloride	27 U
34276009	CRP-PW9	10/28/92	67-64-1	Acetone	5 U
34276009	CRP-PW9	10/28/92	75-15-0	Carbon disulfide	1 U
34276009	CRP-PW9	10/28/92	75-35-4	1,1-Dichloroethene	1 U
34276009	CRP-PW9	10/28/92	75-34-3	1,1-Dichloroethane	1 U
34276009	CRP-PW9	10/28/92	540-59-0	cis-1,2-Dichloroethene	1 U
34276009	CRP-PW9	10/28/92	156-60-5	trans-1,2-Dichloroethene	1 U
34276009	CRP-PW9	10/28/92	67-66-3	Chloroform	1 U
34276009	CRP-PW9	10/28/92	107-06-2	1,2-Dichloroethane	1 U
34276009	CRP-PW9	10/28/92	78-93-3	2-Butanone	5 U
34276009	CRP-PW9	10/28/92	71-55-6	1,1,1-Trichloroethane	1 U
34276009	CRP-PW9	10/28/92	56-23-5	Carbon tetrachloride	1 U
34276009	CRP-PW9	10/28/92	75-27-4	Bromodichloromethane	1 U
34276009	CRP-PW9	10/28/92	78-87-5	1,2-Dichloropropane	1 U
34276009	CRP-PW9	10/28/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34276009	CRP-PW9	10/28/92	79-01-6	Trichloroethene	1 U
34276009	CRP-PW9	10/28/92	124-48-1	Dibromochloromethane	1 U
34276009	CRP-PW9	10/28/92	79-00-5	1,1,2-Trichloroethane	1 U
34276009	CRP-PW9	10/28/92	71-43-2	Benzene	1 U
34276009	CRP-PW9	10/28/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34276009	CRP-PW9	10/28/92	75-25-2	Bromoform	1 U
34276009	CRP-PW9	10/28/92	591-78-6	2-Hexanone	5 U
34276009	CRP-PW9	10/28/92	108-10-1	4-Methyl-2-pentanone	5 U
34276009	CRP-PW9	10/28/92	127-18-4	Tetrachloroethene	1 U
34276009	CRP-PW9	10/28/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34276009	CRP-PW9	10/28/92	108-88-3	Toluene	1 U
34276009	CRP-PW9	10/28/92	108-90-7	Chlorobenzene	1 U
34276009	CRP-PW9	10/28/92	100-41-4	Ethylbenzene	1 U
34276009	CRP-PW9	10/28/92	100-42-5	Styrene	1 U
34276009	CRP-PW9	10/28/92	1330-20-7	Xylenes (total)	1 U
34276009	CRP-PW9	10/28/92	541-73-1	1,3-Dichlorobenzene	1 U
34276009	CRP-PW9	10/28/92	106-46-7	1,4-Dichlorobenzene	1 U
34276009	CRP-PW9	10/28/92	95-50-1	1,2-Dichlorobenzene	1 U

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Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34283004	CRP-PW17	10/29/92	74-87-3	Chloromethane	1 U
34283004	CRP-PW17	10/29/92	74-83-9	Bromomethane	1 U
34283004	CRP-PW17	10/29/92	75-01-4	Vinyl chloride	1 U
34283004	CRP-PW17	10/29/92	75-00-3	Chloroethane	1 U
34283004	CRP-PW17	10/29/92	75-09-2	Methylene chloride	7 U
34283004	CRP-PW17	10/29/92	67-64-1	Acetone	5 U
34283004	CRP-PW17	10/29/92	75-15-0	Carbon disulfide	1 U
34283004	CRP-PW17	10/29/92	75-35-4	1,1-Dichloroethene	1 U
34283004	CRP-PW17	10/29/92	75-34-3	1,1-Dichloroethane	1 U
34283004	CRP-PW17	10/29/92	540-59-0	cis-1,2-Dichloroethene	1 U
34283004	CRP-PW17	10/29/92	156-60-5	trans-1,2-Dichloroethene	1 U
34283004	CRP-PW17	10/29/92	67-66-3	Chloroform	1 U
34283004	CRP-PW17	10/29/92	107-06-2	1,2-Dichloroethane	1 U
34283004	CRP-PW17	10/29/92	78-93-3	2-Butanone	5 U
34283004	CRP-PW17	10/29/92	71-55-6	1,1,1-Trichloroethane	1 U
34283004	CRP-PW17	10/29/92	56-23-5	Carbon tetrachloride	1 U
34283004	CRP-PW17	10/29/92	75-27-4	Bromodichloromethane	1 U
34283004	CRP-PW17	10/29/92	78-87-5	1,2-Dichloropropane	1 U
34283004	CRP-PW17	10/29/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34283004	CRP-PW17	10/29/92	79-01-6	Trichloroethene	1 U
34283004	CRP-PW17	10/29/92	124-48-1	Dibromochloromethane	1 U
34283004	CRP-PW17	10/29/92	79-00-5	1,1,2-Trichloroethane	1 U
34283004	CRP-PW17	10/29/92	71-43-2	Benzene	1 U
34283004	CRP-PW17	10/29/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34283004	CRP-PW17	10/29/92	75-25-2	Bromoform	1 U
34283004	CRP-PW17	10/29/92	591-78-6	2-Hexanone	5 U
34283004	CRP-PW17	10/29/92	108-10-1	4-Methyl-2-pentanone	5 U
34283004	CRP-PW17	10/29/92	127-18-4	Tetrachloroethene	1 U
34283004	CRP-PW17	10/29/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34283004	CRP-PW17	10/29/92	108-88-3	Toluene	1 U
34283004	CRP-PW17	10/29/92	108-90-7	Chlorobenzene	1 U
34283004	CRP-PW17	10/29/92	100-41-4	Ethylbenzene	1 U
34283004	CRP-PW17	10/29/92	100-42-5	Styrene	1 U
34283004	CRP-PW17	10/29/92	1330-20-7	Xylenes (total)	1 U
34283004	CRP-PW17	10/29/92	541-73-1	1,3-Dichlorobenzene	1 U
34283004	CRP-PW17	10/29/92	106-46-7	1,4-Dichlorobenzene	1 U
34283004	CRP-PW17	10/29/92	95-50-1	1,2-Dichlorobenzene	1 U

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Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34295006	CRP-PW21	10/30/92	74-87-3	Chloromethane	1 U
34295006	CRP-PW21	10/30/92	74-83-9	Bromomethane	1 U
34295006	CRP-PW21	10/30/92	75-01-4	Vinyl chloride	1 U
34295006	CRP-PW21	10/30/92	75-00-3	Chloroethane	1 U
34295006	CRP-PW21	10/30/92	75-09-2	Methylene chloride	4 U
34295006	CRP-PW21	10/30/92	67-64-1	Acetone	7 U
34295006	CRP-PW21	10/30/92	75-15-0	Carbon disulfide	20
34295006	CRP-PW21	10/30/92	75-35-4	1,1-Dichioroethene	1 U
34295006	CRP-PW21	10/30/92	75-34-3	1,1-Dichloroethane	1 U
34295006	CRP-PW21	10/30/92	540-59-0	cis-1,2-Dichloroethene	1 U
34295006	CRP-PW21	10/30/92	156-60-5	trans-1,2-Dichloroethene	1 U
34295006	CRP-PW21	10/30/92	67-66-3	Chloroform	1 U
34295006	CRP-PW21	10/30/92	107-06-2	1,2-Dichloroethane	1 U
34295006	CRP-PW21	10/30/92	78-93-3	2-Butanone	5 U
34295006	CRP-PW21	10/30/92	71-55-6	1,1,1-Trichloroethane	1 U
34295006	CRP-PW21	10/30/92	56-23-5	Carbon tetrachloride	1 U
34295006	CRP-PW21	10/30/92	75-27-4	Bromodichloromethane	1 U
34295006	CRP-PW21	10/30/92	78-87-5	1,2-Dichloropropane	1 U
34295006	CRP-PW21	10/30/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34295006	CRP-PW21	10/30/92	79-01-6	Trichloroethene	1 U
34295006	CRP-PW21	10/30/92	124-48-1	Dibromochloromethane	1 U
34295006	CRP-PW21	10/30/92	79-00-5	1,1,2-Trichloroethane	1 U
34295006	CRP-PW21	10/30/92	71-43-2	Benzene	1 U
34295006	CRP-PW21	10/30/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34295006	CRP-PW21	10/30/92	75-25-2	Bromoform	1 U
34295006	CRP-PW21	10/30/92	591-78-6	2-Hexanone	5 U
34295006	CRP-PW21	10/30/92	108-10-1	4-Methyl-2-pentanone	5 U
34295006	CRP-PW21	10/30/92	127-18-4	Tetrachloroethene	1 U
34295006	CRP-PW21	10/30/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34295006	CRP-PW21	10/30/92	108-88-3	Toluene	1 U
34295006	CRP-PW21	10/30/92	108-90-7	Chlorobenzene	1 U
34295006	CRP-PW21	10/30/92	100-41-4	Ethylbenzene	1 U
34295006	CRP-PW21	10/30/92	100-42-5	Styrene	1 U
34295006	CRP-PW21	10/30/92	1330-20-7	Xylenes (total)	1 U
34295006	CRP-PW21	10/30/92	541-73-1	1,3-Dichlorobenzene	1 U
34295006	CRP-PW21	10/30/92	106-46-7	1,4-Dichlorobenzene	1 U
34295006	CRP-PW21	10/30/92	95-50-1	1,2-Dichlorobenzene	1 U

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Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34295005	CRP-PW22	10/30/92	74-87-3	Chloromethane	1 U
34295005	CRP-PW22	10/30/92	74-83-9	Bromomethane	1 U
34295005	CRP-PW22	10/30/92	75-01-4	Vinyl chloride	1 U
34295005	CRP-PW22	10/30/92	75-00-3	Chloroethane	1 U
34295005	CRP-PW22	10/30/92	75-09-2	Methylene chloride	5 U
34295005	CRP-PW22	10/30/92	67-64-1	Acetone	19 U
34295005	CRP-PW22	10/30/92	75-15-0	Carbon disulfide	1 U
34295005	CRP-PW22	10/30/92	75-35-4	1,1-Dichloroethene	1 U
34295005	CRP-PW22	10/30/92	75-34-3	1,1-Dichloroethane	1 U
34295005	CRP-PW22	10/30/92	540-59-0	cis-1,2-Dichloroethene	13
34295005	CRP-PW22	10/30/92	156-60-5	trans-1,2-Dichloroethene	1 U
34295005	CRP-PW22	10/30/92	67-66-3	Chloroform	1 U
34295005	CRP-PW22	10/30/92	107-06-2	1,2-Dichloroethane	1 U
34295005	CRP-PW22	10/30/92	78-93-3	2-Butanone	5 U
34295005	CRP-PW22	10/30/92	71-55-6	1,1,1-Trichloroethane	1 U
34295005	CRP-PW22	10/30/92	56-23-5	Carbon tetrachloride	1 U
34295005	CRP-PW22	10/30/92	75-27-4	Bromodichloromethane	1 U
34295005	CRP-PW22	10/30/92	78-87-5	1,2-Dichloropropane	1 U
34295005	CRP-PW22	10/30/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34295005	CRP-PW22	10/30/92	79-01-6	Trichloroethene	1 U
34295005	CRP-PW22	10/30/92	124-48-1	Dibromochloromethane	1 U
34295005	CRP-PW22	10/30/92	79-00-5	1,1,2-Trichloroethane	1 U
34295005	CRP-PW22	10/30/92	71-43-2	Benzene	1 U
34295005	CRP-PW22	10/30/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34295005	CRP-PW22	10/30/92	75-25-2	Bromoform	1 U
34295005	CRP-PW22	10/30/92	591-78-6	2-Hexanone	5 U
34295005	CRP-PW22	10/30/92	108-10-1	4-Methyl-2-pentanone	5 U
34295005	CRP-PW22	10/30/92	127-18-4	Tetrachloroethene	1 U
34295005	CRP-PW22	10/30/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34295005	CRP-PW22	10/30/92	108-88-3	Toluene	1 U
34295005	CRP-PW22	10/30/92	108-90-7	Chlorobenzene	1 U
34295005	CRP-PW22	10/30/92	100-41-4	Ethylbenzene	1 U
34295005	CRP-PW22	10/30/92	100-42-5	Styrene	1 U
34295005	CRP-PW22	10/30/92	1330-20-7	Xylenes (total)	1 U
34295005	CRP-PW22	10/30/92	541-73-1	1,3-Dichlorobenzene	1 U
34295005	CRP-PW22	10/30/92	106-46-7	1,4-Dichlorobenzene	1 U
34295005	CRP-PW22	10/30/92	95-50-1	1,2-Dichlorobenzene	1 U

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Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34295007	CRP-PW26	10/30/92	74-87-3	Chloromethane	1 U
34295007	CRP-PW26	10/30/92	74-83-9	Bromomethane	1 U
34295007	CRP-PW26	10/30/92	75-01-4	Vinyl chloride	1 U
34295007	CRP-PW26	10/30/92	75-00-3	Chloroethane	1 U
34295007	CRP-PW26	10/30/92	75-09-2	Methylene chloride	3 U
34295007	CRP-PW26	10/30/92	67-64-1	Acetone	14 U
34295007	CRP-PW26	10/30/92	75-15-0	Carbon disulfide	5
34295007	CRP-PW26	10/30/92	75-35-4	1,1-Dichloroethene	1 U
34295007	CRP-PW26	10/30/92	75-34-3	1,1-Dichloroethane	1 U
34295007	CRP-PW26	10/30/92	540-59-0	cis-1,2-Dichloroethene	1 U
34295007	CRP-PW26	10/30/92	156-60-5	trans-1,2-Dichloroethene	1 U
34295007	CRP-PW26	10/30/92	67-66-3	Chloroform	1 U
34295007	CRP-PW26	10/30/92	107-06-2	1,2-Dichloroethane	1 U
34295007	CRP-PW26	10/30/92	78-93-3	2-Butanone	5 U
34295007	CRP-PW26	10/30/92	71-55-6	1,1,1-Trichloroethane	1 U
34295007	CRP-PW26	10/30/92	56-23-5	Carbon tetrachloride	1 U
34295007	CRP-PW26	10/30/92	75-27-4	Bromodichloromethane	1 U
34295007	CRP-PW26	10/30/92	78-87-5	1,2-Dichloropropane	1 U
34295007	CRP-PW26	10/30/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34295007	CRP-PW26	10/30/92	79-01-6	Trichloroethene	1 U
34295007	CRP-PW26	10/30/92	124-48-1	Dibromochloromethane	1 U
34295007	CRP-PW26	10/30/92	79-00-5	1,1,2-Trichloroethane	1 U
34295007	CRP-PW26	10/30/92	71-43-2	Benzene	1 U
34295007	CRP-PW26	10/30/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34295007	CRP-PW26	10/30/92	75-25-2	Bromoform	1 U
34295007	CRP-PW26	10/30/92	591-78-6	2-Hexanone	5 U
34295007	CRP-PW26	10/30/92	108-10-1	4-Methyl-2-pentanone	5 U
34295007	CRP-PW26	10/30/92	127-18-4	Tetrachloroethene	1 U
34295007	CRP-PW26	10/30/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34295007	CRP-PW26	10/30/92	108-88-3	Toluene	1 U
34295007	CRP-PW26	10/30/92	108-90-7	Chlorobenzene	1 U
34295007	CRP-PW26	10/30/92	100-41-4	Ethylbenzene	1 U
34295007	CRP-PW26	10/30/92	100-42-5	Styrene	1 U
34295007	CRP-PW26	10/30/92	1330-20-7	Xylenes (total)	1 U
34295007	CRP-PW26	10/30/92	541-73-1	1,3-Dichlorobenzene	1 U
34295007	CRP-PW26	10/30/92	106-46-7	1,4-Dichlorobenzene	1 U
34295007	CRP-PW26	10/30/92	95-50-1	1,2-Dichlorobenzene	1 U

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VALIDATED DATA FOR OFF-SITE PRIVATE IRRIGATION WELL SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34311001	CRP-PW29	11/01/92	74-87-3	Chloromethane	1 U
34311001	CRP-PW29	11/01/92	74-83-9	Bromomethane	1 U
34311001	CRP-PW29	11/01/92	75-01-4	Vinyl chloride	1 U
34311001	CRP-PW29	11/01/92	75-00-3	Chloroethane	1 U
34311001	CRP-PW29	11/01/92	75-09-2	Methylene chloride	11 U
34311001	CRP-PW29	11/01/92	67-64-1	Acetone	5 U
34311001	CRP-PW29	11/01/92	75-15-0	Carbon disulfide	1 U
34311001	CRP-PW29	11/01/92	75-35-4	1,1-Dichloroethene	1 U
34311001	CRP-PW29	11/01/92	75-34-3	1,1-Dichloroethane	1 U
34311001	CRP-PW29	11/01/92	540-59-0	cis-1,2-Dichloroethene	1 U
34311001	CRP-PW29	11/01/92	156-60-5	trans-1,2-Dichloroethene	1 U
34311001	CRP-PW29	11/01/92	67-66-3	Chloroform	1 U
34311001	CRP-PW29	11/01/92	107-06-2	1,2-Dichloroethane	1 U
34311001	CRP-PW29	11/01/92	78-93-3	2-Butanone	5 U
34311001	CRP-PW29	11/01/92	71-55-6	1,1,1-Trichloroethane	1 U
34311001	CRP-PW29	11/01/92	56-23-5	Carbon tetrachloride	1 U
34311001	CRP-PW29	11/01/92	75-27-4	Bromodichloromethane	1 U
34311001	CRP-PW29	11/01/92	78-87-5	1,2-Dichloropropane	1 U
34311001	CRP-PW29	11/01/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34311001	CRP-PW29	11/01/92	79-01-6	Trichloroethene	1 U
34311001	CRP-PW29	11/01/92	124-48-1	Dibromochloromethane	1 U
34311001	CRP-PW29	11/01/92	79-00-5	1,1,2-Trichloroethane	1 U
34311001	CRP-PW29	11/01/92	71-43-2	Benzene	1 U
34311001	CRP-PW29	11/01/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34311001	CRP-PW29	11/01/92	75-25-2	Bromoform	1 U
34311001	CRP-PW29	11/01/92	591-78-6	2-Hexanone	5 U
34311001	CRP-PW29	11/01/92	108-10-1	4-Methyl-2-pentanone	5 U
34311001	CRP-PW29	11/01/92	127-18-4	Tetrachloroethene	1 U
34311001	CRP-PW29	11/01/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34311001	CRP-PW29	11/01/92	108-88-3	Toluene	1 U
34311001	CRP-PW29	11/01/92	108-90-7	Chlorobenzene	1 U
34311001	CRP-PW29	11/01/92	100-41-4	Ethylbenzene	1 U
34311001	CRP-PW29	11/01/92	100-42-5	Styrene	1 U
34311001	CRP-PW29	11/01/92	1330-20-7	Xylenes (total)	1 U
34311001	CRP-PW29	11/01/92	541-73-1	1,3-Dichlorobenzene	1 U
34311001	CRP-PW29	11/01/92	106-46-7	1,4-Dichlorobenzene	1 U
34311001	CRP-PW29	11/01/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/05/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE PRIVATE IRRIGATION WELL SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34311002	CRP-PW29D	11/01/92	74-87-3	Chloromethane	1 U
34311002	CRP-PW29D	11/01/92	74-83-9	Bromomethane	1 U
34311002	CRP-PW29D	11/01/92	75-01-4	Vinyl chloride	1 U
34311002	CRP-PW29D	11/01/92	75-00-3	Chloroethane	1 U
34311002	CRP-PW29D	11/01/92	75-09-2	Methylene chloride	7 U
34311002	CRP-PW29D	11/01/92	67-64-1	Acetone	5 U
34311002	CRP-PW29D	11/01/92	75-15-0	Carbon disulfide	1 U
34311002	CRP-PW29D	11/01/92	75-35-4	1,1-Dichloroethene	1 U
34311002	CRP-PW29D	11/01/92	75-34-3	1,1-Dichloroethane	1 U
34311002	CRP-PW29D	11/01/92	540-59-0	cis-1,2-Dichloroethene	1 U
34311002	CRP-PW29D	11/01/92	156-60-5	trans-1,2-Dichloroethene	1 U
34311002	CRP-PW29D	11/01/92	67-66-3	Chloroform	1 U
34311002	CRP-PW29D	11/01/92	107-06-2	1,2-Dichloroethane	1 U
34311002	CRP-PW29D	11/01/92	78-93-3	2-Butanone	5 U
34311002	CRP-PW29D	11/01/92	71-55-6	1,1,1-Trichloroethane	1 U
34311002	CRP-PW29D	11/01/92	56-23-5	Carbon tetrachloride	1 U
34311002	CRP-PW29D	11/01/92	75-27-4	Bromodichloromethane	1 U
34311002	CRP-PW29D	11/01/92	78-87-5	1,2-Dichloropropane	1 U
34311002	CRP-PW29D	11/01/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34311002	CRP-PW29D	11/01/92	79-01-6	Trichloroethene	1 U
34311002	CRP-PW29D	11/01/92	124-48-1	Dibromochloromethane	1 U
34311002	CRP-PW29D	11/01/92	79-00-5	1,1,2-Trichloroethane	1 U
34311002	CRP-PW29D	11/01/92	71-43-2	Benzene	1 U
34311002	CRP-PW29D	11/01/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34311002	CRP-PW29D	11/01/92	75-25-2	Bromoform	1 U
34311002	CRP-PW29D	11/01/92	591-78-6	2-Hexanone	5 U
34311002	CRP-PW29D	11/01/92	108-10-1	4-Methyl-2-pentanone	5 U
34311002	CRP-PW29D	11/01/92	127-18-4	Tetrachloroethene	1 U
34311002	CRP-PW29D	11/01/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34311002	CRP-PW29D	11/01/92	108-88-3	Toluene	1 U
34311002	CRP-PW29D	11/01/92	108-90-7	Chlorobenzene	1 U
34311002	CRP-PW29D	11/01/92	100-41-4	Ethylbenzene	1 U
34311002	CRP-PW29D	11/01/92	100-42-5	Styrene	1 U
34311002	CRP-PW29D	11/01/92	1330-20-7	Xylenes (total)	1 U
34311002	CRP-PW29D	11/01/92	541-73-1	1,3-Dichlorobenzene	1 U
34311002	CRP-PW29D	11/01/92	106-46-7	1,4-Dichlorobenzene	1 U
34311002	CRP-PW29D	11/01/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/05/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE PRIVATE IRRIGATION WELL SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34311003	CRP-PW32	11/02/92	74-87-3	Chloromethane	1 U
34311003	CRP-PW32	11/02/92	74-83-9	Bromomethane	1 U
34311003	CRP-PW32	11/02/92	75-01-4	Vinyl chloride	1 U
34311003	CRP-PW32	11/02/92	75-00-3	Chloroethane	1 U
34311003	CRP-PW32	11/02/92	75-09-2	Methylene chloride	6 U
34311003	CRP-PW32	11/02/92	67-64-1	Acetone	5 U
34311003	CRP-PW32	11/02/92	75-15-0	Carbon disulfide	1 U
34311003	CRP-PW32	11/02/92	75-35-4	1,1-Dichloroethene	1 U
34311003	CRP-PW32	11/02/92	75-34-3	1,1-Dichloroethane	1 U
34311003	CRP-PW32	11/02/92	540-59-0	cis-1,2-Dichloroethene	1 U
34311003	CRP-PW32	11/02/92	156-60-5	trans-1,2-Dichloroethene	1 U
34311003	CRP-PW32	11/02/92	67-66-3	Chloroform	1 U
34311003	CRP-PW32	11/02/92	107-06-2	1,2-Dichloroethane	1 U
34311003	CRP-PW32	11/02/92	78-93-3	2-Butanone	5 U
34311003	CRP-PW32	11/02/92	71-55-6	1,1,1-Trichloroethane	1 U
34311003	CRP-PW32	11/02/92	56-23-5	Carbon tetrachloride	1 U
34311003	CRP-PW32	11/02/92	75-27-4	Bromodichloromethane	1 U
34311003	CRP-PW32	11/02/92	78-87-5	1,2-Dichloropropane	1 U
34311003	CRP-PW32	11/02/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34311003	CRP-PW32	11/02/92	79-01-6	Trichloroethene	1 U
34311003	CRP-PW32	11/02/92	124-48-1	Dibromochloromethane	1 U
34311003	CRP-PW32	11/02/92	79-00-5	1,1,2-Trichloroethane	1 U
34311003	CRP-PW32	11/02/92	71-43-2	Benzene	1 U
34311003	CRP-PW32	11/02/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34311003	CRP-PW32	11/02/92	75-25-2	Bromoform	1 U
34311003	CRP-PW32	11/02/92	591-78-6	2-Hexanone	5 U
34311003	CRP-PW32	11/02/92	108-10-1	4-Methyl-2-pentanone	5 U
34311003	CRP-PW32	11/02/92	127-18-4	Tetrachloroethene	1 U
34311003	CRP-PW32	11/02/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34311003	CRP-PW32	11/02/92	108-88-3	Toluene	1 U
34311003	CRP-PW32	11/02/92	108-90-7	Chlorobenzene	1 U
34311003	CRP-PW32	11/02/92	100-41-4	Ethylbenzene	1 U
34311003	CRP-PW32	11/02/92	100-42-5	Styrene	1 U
34311003	CRP-PW32	11/02/92	1330-20-7	Xylenes (total)	1 U
34311003	CRP-PW32	11/02/92	541-73-1	1,3-Dichlorobenzene	1 U
34311003	CRP-PW32	11/02/92	106-46-7	1,4-Dichlorobenzene	1 U
34311003	CRP-PW32	11/02/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/05/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE PRIVATE IRRIGATION WELL SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34311004	CRP-PW33	11/02/92	74-87-3	Chloromethane	1 U
34311004	CRP-PW33	11/02/92	74-83-9	Bromomethane	1 U
34311004	CRP-PW33	11/02/92	75-01-4	Vinyl chloride	1 U
34311004	CRP-PW33	11/02/92	75-00-3	Chloroethane	1 U
34311004	CRP-PW33	11/02/92	75-09-2	Methylene chloride	3 U
34311004	CRP-PW33	11/02/92	67-64-1	Acetone	6
34311004	CRP-PW33	11/02/92	75-15-0	Carbon disulfide	1 U
34311004	CRP-PW33	11/02/92	75-35-4	1,1-Dichloroethene	1 U
34311004	CRP-PW33	11/02/92	75-34-3	1,1-Dichloroethane	1 U
34311004	CRP-PW33	11/02/92	540-59-0	cis-1,2-Dichloroethene	1 U
34311004	CRP-PW33	11/02/92	156-60-5	trans-1,2-Dichloroethene	1 U
34311004	CRP-PW33	11/02/92	67-66-3	Chloroform	1 U
34311004	CRP-PW33	11/02/92	107-06-2	1,2-Dichloroethane	1 U
34311004	CRP-PW33	11/02/92	78-93-3	2-Butanone	5 U
34311004	CRP-PW33	11/02/92	71-55-6	1,1,1-Trichloroethane	1 U
34311004	CRP-PW33	11/02/92	56-23-5	Carbon tetrachloride	1 U
34311004	CRP-PW33	11/02/92	75-27-4	Bromodichloromethane	1 U
34311004	CRP-PW33	11/02/92	78-87-5	1,2-Dichloropropane	1 U
34311004	CRP-PW33	11/02/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34311004	CRP-PW33	11/02/92	79-01-6	Trichloroethene	1 U
34311004	CRP-PW33	11/02/92	124-48-1	Dibromochloromethane	1 U
34311004	CRP-PW33	11/02/92	79-00-5	1,1,2-Trichloroethane	1 U
34311004	CRP-PW33	11/02/92	71-43-2	Benzene	1 U
34311004	CRP-PW33	11/02/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34311004	CRP-PW33	11/02/92	75-25-2	Bromoform	1 U
34311004	CRP-PW33	11/02/92	591-78-6	2-Hexanone	5 U
34311004	CRP-PW33	11/02/92	108-10-1	4-Methyl-2-pentanone	5 U
34311004	CRP-PW33	11/02/92	127-18-4	Tetrachloroethene	1 U
34311004	CRP-PW33	11/02/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34311004	CRP-PW33	11/02/92	108-88-3	Toluene	1 U
34311004	CRP-PW33	11/02/92	108-90-7	Chlorobenzene	1 U
34311004	CRP-PW33	11/02/92	100-41-4	Ethylbenzene	1 U
34311004	CRP-PW33	11/02/92	100-42-5	Styrene	1 U
34311004	CRP-PW33	11/02/92	1330-20-7	Xylenes (total)	1 U
34311004	CRP-PW33	11/02/92	541-73-1	1,3-Dichlorobenzene	1 U
34311004	CRP-PW33	11/02/92	106-46-7	1,4-Dichlorobenzene	1 U
34311004	CRP-PW33	11/02/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/05/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE PRIVATE IRRIGATION WELL SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34311009	CRP-PW39	11/02/92	74-83-9	Chloromethane	1 U
34311009	CRP-PW39	11/02/92	74-83-9	Bromomethane	1 U
34311009	CRP-PW39	11/02/92	75-01-4	Vinyl chloride	1 U
34311009	CRP-PW39	11/02/92	75-00-3	Chloroethane	1 U
34311009	CRP-PW39	11/02/92	75-09-2	Methylene chloride	6 U
34311009	CRP-PW39	11/02/92	67-64-1	Acetone	5 U
34311009	CRP-PW39	11/02/92	75-15-0	Carbon disulfide	1 U
34311009	CRP-PW39	11/02/92	75-35-4	1,1-Dichloroethene	1 U
34311009	CRP-PW39	11/02/92	75-34-3	1,1-Dichloroethane	1 U
34311009	CRP-PW39	11/02/92	540-59-0	cis-1,2-Dichloroethene	1 U
34311009	CRP-PW39	11/02/92	156-60-5	trans-1,2-Dichloroethene	1 U
34311009	CRP-PW39	11/02/92	67-66-3	Chloroform	1 U
34311009	CRP-PW39	11/02/92	107-06-2	1,2-Dichloroethane	1 U
34311009	CRP-PW39	11/02/92	78-93-3	2-Butanone	5 U
34311009	CRP-PW39	11/02/92	71-55-6	1,1,1-Trichloroethane	1 U
34311009	CRP-PW39	11/02/92	56-23-5	Carbon tetrachloride	1 U
34311009	CRP-PW39	11/02/92	75-27-4	Bromodichloromethane	1 U
34311009	CRP-PW39	11/02/92	78-87-5	1,2-Dichloropropane	1 U
34311009	CRP-PW39	11/02/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34311009	CRP-PW39	11/02/92	79-01-6	Trichloroethene	1 U
34311009	CRP-PW39	11/02/92	124-48-1	Dibromochloromethane	1 U
34311009	CRP-PW39	11/02/92	79-00-5	1,1,2-Trichloroethane	1 U
34311009	CRP-PW39	11/02/92	71-43-2	Benzene	1 U
34311009	CRP-PW39	11/02/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34311009	CRP-PW39	11/02/92	75-25-2	Bromoform	1 U
34311009	CRP-PW39	11/02/92	591-78-6	2-Hexanone	5 U
34311009	CRP-PW39	11/02/92	108-10-1	4-Methyl-2-pentanone	5 U
34311009	CRP-PW39	11/02/92	127-18-4	Tetrachloroethene	1 U
34311009	CRP-PW39	11/02/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34311009	CRP-PW39	11/02/92	108-88-3	Toluene	1 U
34311009	CRP-PW39	11/02/92	108-90-7	Chlorobenzene	1 U
34311009	CRP-PW39	11/02/92	100-41-4	Ethylbenzene	1 U
34311009	CRP-PW39	11/02/92	100-42-5	Styrene	1 U
34311009	CRP-PW39	11/02/92	1330-20-7	Xylenes (total)	1 U
34311009	CRP-PW39	11/02/92	541-73-1	1,3-Dichlorobenzene	1 U
34311009	CRP-PW39	11/02/92	106-46-7	1,4-Dichlorobenzene	1 U
34311009	CRP-PW39	11/02/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/05/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE PRIVATE IRRIGATION WELL SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34329002	CRP-PW41	11/03/92	74-87-3	Chloromethane	1 U
34329002	CRP-PW41	11/03/92	74-83-9	Bromomethane	1 U
34329002	CRP-PW41	11/03/92	75-01-4	Vinyl chloride	1 U
34329002	CRP-PW41	11/03/92	75-00-3	Chloroethane	1 U
34329002	CRP-PW41	11/03/92	75-09-2	Methylene chloride	2 U
34329002	CRP-PW41	11/03/92	67-64-1	Acetone	5 U
34329002	CRP-PW41	11/03/92	75-15-0	Carbon disulfide	1 U
34329002	CRP-PW41	11/03/92	75-35-4	1,1-Dichloroethene	1 U
34329002	CRP-PW41	11/03/92	75-34-3	1,1-Dichloroethane	1 U
34329002	CRP-PW41	11/03/92	540-59-0	cis-1,2-Dichloroethene	1 U
34329002	CRP-PW41	11/03/92	156-60-5	trans-1,2-Dichloroethene	1 U
34329002	CRP-PW41	11/03/92	67-66-3	Chloroform	1 U
34329002	CRP-PW41	11/03/92	107-06-2	1,2-Dichloroethane	1 U
34329002	CRP-PW41	11/03/92	78-93-3	2-Butanone	5 U
34329002	CRP-PW41	11/03/92	71-55-6	1,1,1-Trichloroethane	1 U
34329002	CRP-PW41	11/03/92	56-23-5	Carbon tetrachloride	1 U
34329002	CRP-PW41	11/03/92	75-27-4	Bromodichloromethane	1 U
34329002	CRP-PW41	11/03/92	78-87-5	1,2-Dichloropropane	1 U
34329002	CRP-PW41	11/03/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34329002	CRP-PW41	11/03/92	79-01-6	Trichloroethene	1 U
34329002	CRP-PW41	11/03/92	124-48-1	Dibromochloromethane	1 U
34329002	CRP-PW41	11/03/92	79-00-5	1,1,2-Trichloroethane	1 U
34329002	CRP-PW41	11/03/92	71-43-2	Benzene	1 U
34329002	CRP-PW41	11/03/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34329002	CRP-PW41	11/03/92	75-25-2	Bromoform	1 U
34329002	CRP-PW41	11/03/92	591-78-6	2-Hexanone	5 U
34329002	CRP-PW41	11/03/92	108-10-1	4-Methyl-2-pentanone	5 U
34329002	CRP-PW41	11/03/92	127-18-4	Tetrachloroethene	1 U
34329002	CRP-PW41	11/03/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34329002	CRP-PW41	11/03/92	108-88-3	Toluene	1 U
34329002	CRP-PW41	11/03/92	108-90-7	Chlorobenzene	1 U
34329002	CRP-PW41	11/03/92	100-41-4	Ethylbenzene	1 U
34329002	CRP-PW41	11/03/92	100-42-5	Styrene	1 U
34329002	CRP-PW41	11/03/92	1330-20-7	Xylenes (total)	1 U
34329002	CRP-PW41	11/03/92	541-73-1	1,3-Dichlorobenzene	1 U
34329002	CRP-PW41	11/03/92	106-46-7	1,4-Dichlorobenzene	1 U
34329002	CRP-PW41	11/03/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/05/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE PRIVATE IRRIGATION WELL SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34329005	CRP-PW42	11/03/92	74-87-3	Chloromethane	1 U
34329005	CRP-PW42	11/03/92	74-83-9	Bromomethane	1 U
34329005	CRP-PW42	11/03/92	75-01-4	Vinyl chloride	1 U
34329005	CRP-PW42	11/03/92	75-00-3	Chloroethane	1 U
34329005	CRP-PW42	11/03/92	75-09-2	Methylene chloride	3 U
34329005	CRP-PW42	11/03/92	67-64-1	Acetone	5 U
34329005	CRP-PW42	11/03/92	75-15-0	Carbon disulfide	1 U
34329005	CRP-PW42	11/03/92	75-35-4	1,1-Dichloroethene	1 U
34329005	CRP-PW42	11/03/92	75-34-3	1,1-Dichloroethane	1 U
34329005	CRP-PW42	11/03/92	540-59-0	cis-1,2-Dichloroethene	1 U
34329005	CRP-PW42	11/03/92	156-60-5	trans-1,2-Dichloroethene	1 U
34329005	CRP-PW42	11/03/92	67-66-3	Chloroform	1 U
34329005	CRP-PW42	11/03/92	107-06-2	1,2-Dichloroethane	1 U
34329005	CRP-PW42	11/03/92	78-93-3	2-Butanone	5 U
34329005	CRP-PW42	11/03/92	71-55-6	1,1,1-Trichloroethane	1 U
34329005	CRP-PW42	11/03/92	56-23-5	Carbon tetrachloride	1 U
34329005	CRP-PW42	11/03/92	75-27-4	Bromodichloromethane	1 U
34329005	CRP-PW42	11/03/92	78-87-5	1,2-Dichloropropane	1 U
34329005	CRP-PW42	11/03/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34329005	CRP-PW42	11/03/92	79-01-6	Trichloroethene	1 U
34329005	CRP-PW42	11/03/92	124-48-1	Dibromochloromethane	1 U
34329005	CRP-PW42	11/03/92	79-00-5	1,1,2-Trichloroethane	1 U
34329005	CRP-PW42	11/03/92	71-43-2	Benzene	1 U
34329005	CRP-PW42	11/03/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34329005	CRP-PW42	11/03/92	75-25-2	Bromoform	1 U
34329005	CRP-PW42	11/03/92	591-78-6	2-Hexanone	5 U
34329005	CRP-PW42	11/03/92	108-10-1	4-Methyl-2-pentanone	5 U
34329005	CRP-PW42	11/03/92	127-18-4	Tetrachloroethene	1 U
34329005	CRP-PW42	11/03/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34329005	CRP-PW42	11/03/92	108-88-3	Toluene	1 U
34329005	CRP-PW42	11/03/92	108-90-7	Chlorobenzene	1 U
34329005	CRP-PW42	11/03/92	100-41-4	Ethylbenzene	1 U
34329005	CRP-PW42	11/03/92	100-42-5	Styrene	1 U
34329005	CRP-PW42	11/03/92	1330-20-7	Xylenes (total)	1 U
34329005	CRP-PW42	11/03/92	541-73-1	1,3-Dichlorobenzene	1 U
34329005	CRP-PW42	11/03/92	106-46-7	1,4-Dichlorobenzene	1 U
34329005	CRP-PW42	11/03/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/08/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE PRIVATE IRRIGATION WELL SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34329006	CRP-PW43	11/03/92	74-87-3	Chloromethane	1 U
34329006	CRP-PW43	11/03/92	74-83-9	Bromomethane	1 U
34329006	CRP-PW43	11/03/92	75-01-4	Vinyl chloride	1 U
34329006	CRP-PW43	11/03/92	75-00-3	Chloroethane	1 U
34329006	CRP-PW43	11/03/92	75-09-2	Methylene chloride	13 U
34329006	CRP-PW43	11/03/92	67-64-1	Acetone	5
34329006	CRP-PW43	11/03/92	75-15-0	Carbon disulfide	28
34329006	CRP-PW43	11/03/92	75-35-4	1,1-Dichloroethene	1 U
34329006	CRP-PW43	11/03/92	75-34-3	1,1-Dichloroethane	1 U
34329006	CRP-PW43	11/03/92	540-59-0	cis-1,2-Dichloroethene	1 U
34329006	CRP-PW43	11/03/92	156-60-5	trans-1,2-Dichloroethene	1 U
34329006	CRP-PW43	11/03/92	67-66-3	Chloroform	1 U
34329006	CRP-PW43	11/03/92	107-06-2	1,2-Dichloroethane	1 U
34329006	CRP-PW43	11/03/92	78-93-3	2-Butanone	5 U
34329006	CRP-PW43	11/03/92	71-55-6	1,1,1-Trichloroethane	1 U
34329006	CRP-PW43	11/03/92	56-23-5	Carbon tetrachloride	1 U
34329006	CRP-PW43	11/03/92	75-27-4	Bromodichloromethane	1 U
34329006	CRP-PW43	11/03/92	78-87-5	1,2-Dichloropropane	1 U
34329006	CRP-PW43	11/03/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34329006	CRP-PW43	11/03/92	79-01-6	Trichloroethene	1 U
34329006	CRP-PW43	11/03/92	124-48-1	Dibromochloromethane	1 U
34329006	CRP-PW43	11/03/92	79-00-5	1,1,2-Trichloroethane	1 U
34329006	CRP-PW43	11/03/92	71-43-2	Benzene	1 U
34329006	CRP-PW43	11/03/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34329006	CRP-PW43	11/03/92	75-25-2	Bromoform	1 U
34329006	CRP-PW43	11/03/92	591-78-6	2-Hexanone	5 U
34329006	CRP-PW43	11/03/92	108-10-1	4-Methyl-2-pentanone	5 U
34329006	CRP-PW43	11/03/92	127-18-4	Tetrachloroethene	1 U
34329006	CRP-PW43	11/03/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34329006	CRP-PW43	11/03/92	108-88-3	Toluene	1 U
34329006	CRP-PW43	11/03/92	108-90-7	Chlorobenzene	1 U
34329006	CRP-PW43	11/03/92	100-41-4	Ethylbenzene	1 U
34329006	CRP-PW43	11/03/92	100-42-5	Styrene	1 U
34329006	CRP-PW43	11/03/92	1330-20-7	Xylenes (total)	1 U
34329006	CRP-PW43	11/03/92	541-73-1	1,3-Dichlorobenzene	1 U
34329006	CRP-PW43	11/03/92	106-46-7	1,4-Dichlorobenzene	1 U
34329006	CRP-PW43	11/03/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/05/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE PRIVATE IRRIGATION WELL SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34329007	CRP-PW45	11/03/92	74-87-3	Chloromethane	1 U
34329007	CRP-PW45	11/03/92	74-83-9	Bromomethane	1 U
34329007	CRP-PW45	11/03/92	75-01-4	Vinyl chloride	1 U
34329007	CRP-PW45	11/03/92	75-00-3	Chloroethane	1 U
34329007	CRP-PW45	11/03/92	75-09-2	Methylene chloride	2 U
34329007	CRP-PW45	11/03/92	67-64-1	Acetone	5 U
34329007	CRP-PW45	11/03/92	75-15-0	Carbon disulfide	1 U
34329007	CRP-PW45	11/03/92	75-35-4	1,1-Dichloroethene	1 U
34329007	CRP-PW45	11/03/92	75-34-3	1,1-Dichloroethane	1 U
34329007	CRP-PW45	11/03/92	540-59-0	cis-1,2-Dichloroethene	1 U
34329007	CRP-PW45	11/03/92	156-60-5	trans-1,2-Dichloroethene	1 U
34329007	CRP-PW45	11/03/92	67-66-3	Chloroform	1 U
34329007	CRP-PW45	11/03/92	107-06-2	1,2-Dichloroethane	1 U
34329007	CRP-PW45	11/03/92	78-93-3	2-Butanone	5 U
34329007	CRP-PW45	11/03/92	71-55-6	1,1,1-Trichloroethane	1 U
34329007	CRP-PW45	11/03/92	56-23-5	Carbon tetrachloride	1 U
34329007	CRP-PW45	11/03/92	75-27-4	Bromodichloromethane	1 U
34329007	CRP-PW45	11/03/92	78-87-5	1,2-Dichloropropane	1 U
34329007	CRP-PW45	11/03/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34329007	CRP-PW45	11/03/92	79-01-6	Trichloroethene	1 U
34329007	CRP-PW45	11/03/92	124-48-1	Dibromochloromethane	1 U
34329007	CRP-PW45	11/03/92	79-00-5	1,1,2-Trichloroethane	1 U
34329007	CRP-PW45	11/03/92	71-43-2	Benzene	1 U
34329007	CRP-PW45	11/03/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34329007	CRP-PW45	11/03/92	75-25-2	Bromoform	1 U
34329007	CRP-PW45	11/03/92	591-78-6	2-Hexanone	5 U
34329007	CRP-PW45	11/03/92	108-10-1	4-Methyl-2-pentanone	5 U
34329007	CRP-PW45	11/03/92	127-18-4	Tetrachloroethene	1 U
34329007	CRP-PW45	11/03/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34329007	CRP-PW45	11/03/92	108-88-3	Toluene	1 U
34329007	CRP-PW45	11/03/92	108-90-7	Chlorobenzene	1 U
34329007	CRP-PW45	11/03/92	100-41-4	Ethylbenzene	1 U
34329007	CRP-PW45	11/03/92	100-42-5	Styrene	1 U
34329007	CRP-PW45	11/03/92	1330-20-7	Xylenes (total)	1 U
34329007	CRP-PW45	11/03/92	541-73-1	1,3-Dichlorobenzene	1 U
34329007	CRP-PW45	11/03/92	106-46-7	1,4-Dichlorobenzene	1 U
34329007	CRP-PW45	11/03/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/05/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE PRIVATE IRRIGATION WELL SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34329010	CRP-PW46	11/03/92	74-87-3	Chloromethane	1 U
34329010	CRP-PW46	11/03/92	74-83-9	Bromomethane	1 U
34329010	CRP-PW46	11/03/92	75-01-4	Vinyl chloride	1 U
34329010	CRP-PW46	11/03/92	75-00-3	Chloroethane	1 U
34329010	CRP-PW46	11/03/92	75-09-2	Methylene chloride	2 U
34329010	CRP-PW46	11/03/92	67-64-1	Acetone	5
34329010	CRP-PW46	11/03/92	75-15-0	Carbon disulfide	1 U
34329010	CRP-PW46	11/03/92	75-35-4	1,1-Dichloroethene	1 U
34329010	CRP-PW46	11/03/92	75-34-3	1,1-Dichloroethane	1 U
34329010	CRP-PW46	11/03/92	540-59-0	cis-1,2-Dichloroethene	1 U
34329010	CRP-PW46	11/03/92	156-60-5	trans-1,2-Dichloroethene	1 U
34329010	CRP-PW46	11/03/92	67-66-3	Chloroform	1 U
34329010	CRP-PW46	11/03/92	107-06-2	1,2-Dichloroethane	1 U
34329010	CRP-PW46	11/03/92	78-93-3	2-Butanone	5 U
34329010	CRP-PW46	11/03/92	71-55-6	1,1,1-Trichloroethane	1 U
34329010	CRP-PW46	11/03/92	56-23-5	Carbon tetrachloride	1 U
34329010	CRP-PW46	11/03/92	75-27-4	Bromodichloromethane	1 U
34329010	CRP-PW46	11/03/92	78-87-5	1,2-Dichloropropane	1 U
34329010	CRP-PW46	11/03/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34329010	CRP-PW46	11/03/92	79-01-6	Trichloroethene	1 U
34329010	CRP-PW46	11/03/92	124-48-1	Dibromochloromethane	1 U
34329010	CRP-PW46	11/03/92	79-00-5	1,1,2-Trichloroethane	1 U
34329010	CRP-PW46	11/03/92	71-43-2	Benzene	1 U
34329010	CRP-PW46	11/03/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34329010	CRP-PW46	11/03/92	75-25-2	Bromoform	1 U
34329010	CRP-PW46	11/03/92	591-78-6	2-Hexanone	5 U
34329010	CRP-PW46	11/03/92	108-10-1	4-Methyl-2-pentanone	5 U
34329010	CRP-PW46	11/03/92	127-18-4	Tetrachloroethene	1 U
34329010	CRP-PW46	11/03/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34329010	CRP-PW46	11/03/92	108-88-3	Toluene	1 U
34329010	CRP-PW46	11/03/92	108-90-7	Chlorobenzene	1 U
34329010	CRP-PW46	11/03/92	100-41-4	Ethylbenzene	1 U
34329010	CRP-PW46	11/03/92	100-42-5	Styrene	1 U
34329010	CRP-PW46	11/03/92	1330-20-7	Xylenes (total)	1 U
34329010	CRP-PW46	11/03/92	541-73-1	1,3-Dichlorobenzene	1 U
34329010	CRP-PW46	11/03/92	106-46-7	1,4-Dichlorobenzene	1 U
34329010	CRP-PW46	11/03/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/05/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE PRIVATE IRRIGATION WELL SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34329011	CRP-PW47	11/03/92	74-87-3	Chloromethane	1 U
34329011	CRP-PW47	11/03/92	74-83-9	Bromomethane	1 U
34329011	CRP-PW47	11/03/92	75-01-4	Vinyl chloride	1 U
34329011	CRP-PW47	11/03/92	75-00-3	Chloroethane	1 U
34329011	CRP-PW47	11/03/92	75-09-2	Methylene chloride	3 U
34329011	CRP-PW47	11/03/92	67-64-1	Acetone	5 U
34329011	CRP-PW47	11/03/92	75-15-0	Carbon disulfide	1 U
34329011	CRP-PW47	11/03/92	75-35-4	1,1-Dichloroethene	1 U
34329011	CRP-PW47	11/03/92	75-34-3	1,1-Dichloroethane	1 U
34329011	CRP-PW47	11/03/92	540-59-0	cis-1,2-Dichloroethene	1 U
34329011	CRP-PW47	11/03/92	156-60-5	trans-1,2-Dichloroethene	1 U
34329011	CRP-PW47	11/03/92	67-66-3	Chloroform	1 U
34329011	CRP-PW47	11/03/92	107-06-2	1,2-Dichloroethane	1 U
34329011	CRP-PW47	11/03/92	78-93-3	2-Butanone	5 U
34329011	CRP-PW47	11/03/92	71-55-6	1,1,1-Trichloroethane	1 U
34329011	CRP-PW47	11/03/92	56-23-5	Carbon tetrachloride	1 U
34329011	CRP-PW47	11/03/92	75-27-4	Bromodichloromethane	1 U
34329011	CRP-PW47	11/03/92	78-87-5	1,2-Dichloropropane	1 U
34329011	CRP-PW47	11/03/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34329011	CRP-PW47	11/03/92	79-01-6	Trichloroethene	1 U
34329011	CRP-PW47	11/03/92	124-48-1	Dibromochloromethane	1 U
34329011	CRP-PW47	11/03/92	79-00-5	1,1,2-Trichloroethane	1 U
34329011	CRP-PW47	11/03/92	71-43-2	Benzene	1 U
34329011	CRP-PW47	11/03/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34329011	CRP-PW47	11/03/92	75-25-2	Bromoform	1 U
34329011	CRP-PW47	11/03/92	591-78-6	2-Hexanone	5 U
34329011	CRP-PW47	11/03/92	108-10-1	4-Methyl-2-pentanone	5 U
34329011	CRP-PW47	11/03/92	127-18-4	Tetrachloroethene	1 U
34329011	CRP-PW47	11/03/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34329011	CRP-PW47	11/03/92	108-88-3	Toluene	1 U
34329011	CRP-PW47	11/03/92	108-90-7	Chlorobenzene	1 U
34329011	CRP-PW47	11/03/92	100-41-4	Ethylbenzene	1 U
34329011	CRP-PW47	11/03/92	100-42-5	Styrene	1 U
34329011	CRP-PW47	11/03/92	1330-20-7	Xylenes (total)	1 U
34329011	CRP-PW47	11/03/92	541-73-1	1,3-Dichlorobenzene	1 U
34329011	CRP-PW47	11/03/92	106-46-7	1,4-Dichlorobenzene	1 U
34329011	CRP-PW47	11/03/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/05/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE PRIVATE IRRIGATION WELL SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34329012	CRP-PW48	11/03/92	74-87-3	Chloromethane	1 U
34329012	CRP-PW48	11/03/92	74-83-9	Bromomethane	1 U
34329012	CRP-PW48	11/03/92	75-01-4	Vinyl chloride	1 U
34329012	CRP-PW48	11/03/92	75-00-3	Chloroethane	1 U
34329012	CRP-PW48	11/03/92	75-09-2	Methylene chloride	2 U
34329012	CRP-PW48	11/03/92	67-64-1	Acetone	5 U
34329012	CRP-PW48	11/03/92	75-15-0	Carbon disulfide	2
34329012	CRP-PW48	11/03/92	75-35-4	1,1-Dichloroethene	1 U
34329012	CRP-PW48	11/03/92	75-34-3	1,1-Dichloroethane	1 U
34329012	CRP-PW48	11/03/92	540-59-0	cis-1,2-Dichloroethene	8
34329012	CRP-PW48	11/03/92	156-60-5	trans-1,2-Dichloroethene	1 U
34329012	CRP-PW48	11/03/92	67-66-3	Chloroform	1 U
34329012	CRP-PW48	11/03/92	107-06-2	1,2-Dichloroethane	1 U
34329012	CRP-PW48	11/03/92	78-93-3	2-Butanone	5 U
34329012	CRP-PW48	11/03/92	71-55-6	1,1,1-Trichloroethane	1 U
34329012	CRP-PW48	11/03/92	56-23-5	Carbon tetrachloride	1 U
34329012	CRP-PW48	11/03/92	75-27-4	Bromodichloromethane	1 U
34329012	CRP-PW48	11/03/92	78-87-5	1,2-Dichloropropane	1 U
34329012	CRP-PW48	11/03/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34329012	CRP-PW48	11/03/92	79-01-6	Trichloroethene	1 U
34329012	CRP-PW48	11/03/92	124-48-1	Dibromochloromethane	1 U
34329012	CRP-PW48	11/03/92	79-00-5	1,1,2-Trichloroethane	1 U
34329012	CRP-PW48	11/03/92	71-43-2	Benzene	1 U
34329012	CRP-PW48	11/03/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34329012	CRP-PW48	11/03/92	75-25-2	Bromoform	1 U
34329012	CRP-PW48	11/03/92	591-78-6	2-Hexanone	5 U
34329012	CRP-PW48	11/03/92	108-10-1	4-Methyl-2-pentanone	5 U
34329012	CRP-PW48	11/03/92	127-18-4	Tetrachloroethene	1 U
34329012	CRP-PW48	11/03/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34329012	CRP-PW48	11/03/92	108-88-3	Toluene	1 U
34329012	CRP-PW48	11/03/92	108-90-7	Chlorobenzene	1 U
34329012	CRP-PW48	11/03/92	100-41-4	Ethylbenzene	1 U
34329012	CRP-PW48	11/03/92	100-42-5	Styrene	1 U
34329012	CRP-PW48	11/03/92	1330-20-7	Xylenes (total)	1 U
34329012	CRP-PW48	11/03/92	541-73-1	1,3-Dichlorobenzene	1 U
34329012	CRP-PW48	11/03/92	106-46-7	1,4-Dichlorobenzene	1 U
34329012	CRP-PW48	11/03/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/09/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE PRIVATE IRRIGATION WELL SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34337001	CRP-PW50	11/04/92	74-87-3	Chloromethane	1 U
34337001	CRP-PW50	11/04/92	74-83-9	Bromomethane	1 U
34337001	CRP-PW50	11/04/92	75-01-4	Vinyl chloride	1 U
34337001	CRP-PW50	11/04/92	75-00-3	Chloroethane	1 U
34337001	CRP-PW50	11/04/92	75-09-2	Methylene chloride	2 U
34337001	CRP-PW50	11/04/92	67-64-1	Acetone	5 U
34337001	CRP-PW50	11/04/92	75-15-0	Carbon disulfide	1
34337001	CRP-PW50	11/04/92	75-35-4	1,1-Dichloroethene	1 U
34337001	CRP-PW50	11/04/92	75-34-3	1,1-Dichloroethane	1 U
34337001	CRP-PW50	11/04/92	540-59-0	cis-1,2-Dichloroethene	1 U
34337001	CRP-PW50	11/04/92	156-60-5	trans-1,2-Dichloroethene	1 U
34337001	CRP-PW50	11/04/92	67-66-3	Chloroform	1 U
34337001	CRP-PW50	11/04/92	107-06-2	1,2-Dichloroethane	1 U
34337001	CRP-PW50	11/04/92	78-93-3	2-Butanone	5 U
34337001	CRP-PW50	11/04/92	71-55-6	1,1,1-Trichloroethane	1 U
34337001	CRP-PW50	11/04/92	56-23-5	Carbon tetrachloride	1 U
34337001	CRP-PW50	11/04/92	75-27-4	Bromodichloromethane	1 U
34337001	CRP-PW50	11/04/92	78-87-5	1,2-Dichloropropane	1 U
34337001	CRP-PW50	11/04/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34337001	CRP-PW50	11/04/92	79-01-6	Trichloroethene	1 U
34337001	CRP-PW50	11/04/92	124-48-1	Dibromochloromethane	1 U
34337001	CRP-PW50	11/04/92	79-00-5	1,1,2-Trichloroethane	1 U
34337001	CRP-PW50	11/04/92	71-43-2	Benzene	1 U
34337001	CRP-PW50	11/04/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34337001	CRP-PW50	11/04/92	75-25-2	Bromoform	1 U
34337001	CRP-PW50	11/04/92	591-78-6	2-Hexanone	5 U
34337001	CRP-PW50	11/04/92	108-10-1	4-Methyl-2-pentanone	5 U
34337001	CRP-PW50	11/04/92	127-18-4	Tetrachloroethene	1 U
34337001	CRP-PW50	11/04/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34337001	CRP-PW50	11/04/92	108-88-3	Toluene	1 U
34337001	CRP-PW50	11/04/92	108-90-7	Chlorobenzene	1 U
34337001	CRP-PW50	11/04/92	100-41-4	Ethylbenzene	1 U
34337001	CRP-PW50	11/04/92	100-42-5	Styrene	1 U
34337001	CRP-PW50	11/04/92	1330-20-7	Xylenes (total)	1 U
34337001	CRP-PW50	11/04/92	541-73-1	1,3-Dichlorobenzene	1 U
34337001	CRP-PW50	11/04/92	106-46-7	1,4-Dichlorobenzene	1 U
34337001	CRP-PW50	11/04/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/09/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE PRIVATE IRRIGATION WELL SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34337002	CRP-PW51	11/04/92	74-87-3	Chloromethane	1 U
34337002	CRP-PW51	11/04/92	74-83-9	Bromomethane	1 U
34337002	CRP-PW51	11/04/92	75-01-4	Vinyl chloride	1 U
34337002	CRP-PW51	11/04/92	75-00-3	Chloroethane	1 U
34337002	CRP-PW51	11/04/92	75-09-2	Methylene chloride	18 U
34337002	CRP-PW51	11/04/92	67-64-1	Acetone	5 U
34337002	CRP-PW51	11/04/92	75-15-0	Carbon disulfide	2
34337002	CRP-PW51	11/04/92	75-35-4	1,1-Dichloroethene	1 U
34337002	CRP-PW51	11/04/92	75-34-3	1,1-Dichloroethane	1 U
34337002	CRP-PW51	11/04/92	540-59-0	cis-1,2-Dichloroethene	1 U
34337002	CRP-PW51	11/04/92	156-60-5	trans-1,2-Dichloroethene	1 U
34337002	CRP-PW51	11/04/92	67-66-3	Chloroform	1 U
34337002	CRP-PW51	11/04/92	107-06-2	1,2-Dichloroethane	1 U
34337002	CRP-PW51	11/04/92	78-93-3	2-Butanone	5 U
34337002	CRP-PW51	11/04/92	71-55-6	1,1,1-Trichloroethane	1 U
34337002	CRP-PW51	11/04/92	56-23-5	Carbon tetrachloride	1 U
34337002	CRP-PW51	11/04/92	75-27-4	Bromodichloromethane	1 U
34337002	CRP-PW51	11/04/92	78-87-5	1,2-Dichloropropane	1 U
34337002	CRP-PW51	11/04/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34337002	CRP-PW51	11/04/92	79-01-6	Trichloroethene	1 U
34337002	CRP-PW51	11/04/92	124-48-1	Dibromochloromethane	1 U
34337002	CRP-PW51	11/04/92	79-00-5	1,1,2-Trichloroethane	1 U
34337002	CRP-PW51	11/04/92	71-43-2	Benzene	1 U
34337002	CRP-PW51	11/04/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34337002	CRP-PW51	11/04/92	75-25-2	Bromoform	1 U
34337002	CRP-PW51	11/04/92	591-78-6	2-Hexanone	5 U
34337002	CRP-PW51	11/04/92	108-10-1	4-Methyl-2-pentanone	5 U
34337002	CRP-PW51	11/04/92	127-18-4	Tetrachloroethene	1 U
34337002	CRP-PW51	11/04/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34337002	CRP-PW51	11/04/92	108-88-3	Toluene	1 U
34337002	CRP-PW51	11/04/92	108-90-7	Chlorobenzene	1 U
34337002	CRP-PW51	11/04/92	100-41-4	Ethylbenzene	1 U
34337002	CRP-PW51	11/04/92	100-42-5	Styrene	1 U
34337002	CRP-PW51	11/04/92	1330-20-7	Xylenes (total)	1 U
34337002	CRP-PW51	11/04/92	541-73-1	1,3-Dichlorobenzene	1 U
34337002	CRP-PW51	11/04/92	106-46-7	1,4-Dichlorobenzene	1 U
34337002	CRP-PW51	11/04/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/09/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE PRIVATE IRRIGATION WELL SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34337003	CRP-PW51D	11/04/92	74-87-3	Chloromethane	1 U
34337003	CRP-PW51D	11/04/92	74-83-9	Bromomethane	1 U
34337003	CRP-PW51D	11/04/92	75-01-4	Vinyl chloride	1 U
34337003	CRP-PW51D	11/04/92	75-00-3	Chloroethane	1 U
34337003	CRP-PW51D	11/04/92	75-09-2	Methylene chloride	15 U
34337003	CRP-PW51D	11/04/92	67-64-1	Acetone	4 J
34337003	CRP-PW51D	11/04/92	75-15-0	Carbon disulfide	2
34337003	CRP-PW51D	11/04/92	75-35-4	1,1-Dichloroethene	1 U
34337003	CRP-PW51D	11/04/92	75-34-3	1,1-Dichloroethane	1 U
34337003	CRP-PW51D	11/04/92	540-59-0	cis-1,2-Dichloroethene	1 U
34337003	CRP-PW51D	11/04/92	156-60-5	trans-1,2-Dichloroethene	1 U
34337003	CRP-PW51D	11/04/92	67-66-3	Chloroform	1 U
34337003	CRP-PW51D	11/04/92	107-06-2	1,2-Dichloroethane	1 U
34337003	CRP-PW51D	11/04/92	78-93-3	2-Butanone	5 U
34337003	CRP-PW51D	11/04/92	71-55-6	1,1,1-Trichloroethane	1 U
34337003	CRP-PW51D	11/04/92	56-23-5	Carbon tetrachloride	1 U
34337003	CRP-PW51D	11/04/92	75-27-4	Bromodichloromethane	1 U
34337003	CRP-PW51D	11/04/92	78-87-5	1,2-Dichloropropane	1 U
34337003	CRP-PW51D	11/04/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34337003	CRP-PW51D	11/04/92	79-01-6	Trichloroethene	1 U
34337003	CRP-PW51D	11/04/92	124-48-1	Dibromochloromethane	1 U
34337003	CRP-PW51D	11/04/92	79-00-5	1,1,2-Trichloroethane	1 U
34337003	CRP-PW51D	11/04/92	71-43-2	Benzene	1 U
34337003	CRP-PW51D	11/04/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34337003	CRP-PW51D	11/04/92	75-25-2	Bromoform	1 U
34337003	CRP-PW51D	11/04/92	591-78-6	2-Hexanone	5 U
34337003	CRP-PW51D	11/04/92	108-10-1	4-Methyl-2-pentanone	5 U
34337003	CRP-PW51D	11/04/92	127-18-4	Tetrachloroethene	1 U
34337003	CRP-PW51D	11/04/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34337003	CRP-PW51D	11/04/92	108-88-3	Toluene	1 U
34337003	CRP-PW51D	11/04/92	108-90-7	Chlorobenzene	1 U
34337003	CRP-PW51D	11/04/92	100-41-4	Ethylbenzene	1 U
34337003	CRP-PW51D	11/04/92	100-42-5	Styrene	1 U
34337003	CRP-PW51D	11/04/92	1330-20-7	Xylenes (total)	1 U
34337003	CRP-PW51D	11/04/92	541-73-1	1,3-Dichlorobenzene	1 U
34337003	CRP-PW51D	11/04/92	106-46-7	1,4-Dichlorobenzene	1 U
34337003	CRP-PW51D	11/04/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/09/92
Dilution Factor: 1.0

SURFACE WATER

VALIDATED DATA FOR OFF-SITE SURFACE WATER SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34302001	11SW103	10/31/92	74-87-3	Chloromethane	1 U
34302001	11SW103	10/31/92	74-83-9	Bromomethane	1 U
34302001	11SW103	10/31/92	75-01-4	Vinyl chloride	1 U
34302001	11SW103	10/31/92	75-00-3	Chloroethane	1 U
34302001	11SW103	10/31/92	75-09-2	Methylene chloride	3 U
34302001	11SW103	10/31/92	67-64-1	Acetone	4 J
34302001	11SW103	10/31/92	75-15-0	Carbon disulfide	1 U
34302001	11SW103	10/31/92	75-35-4	1,1-Dichloroethene	1 U
34302001	11SW103	10/31/92	75-34-3	1,1-Dichloroethane	1 U
34302001	11SW103	10/31/92	540-59-0	cis-1,2-Dichloroethene	1 U
34302001	11SW103	10/31/92	156-60-5	trans-1,2-Dichloroethene	1 U
34302001	11SW103	10/31/92	67-66-3	Chloroform	1 U
34302001	11SW103	10/31/92	107-06-2	1,2-Dichloroethane	1 U
34302001	11SW103	10/31/92	78-93-3	2-Butanone	2 J
34302001	11SW103	10/31/92	71-55-6	1,1,1-Trichloroethane	1 U
34302001	11SW103	10/31/92	56-23-5	Carbon tetrachloride	1 U
34302001	11SW103	10/31/92	75-27-4	Bromodichloromethane	1 U
34302001	11SW103	10/31/92	78-87-5	1,2-Dichloropropane	1 U
34302001	11SW103	10/31/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34302001	11SW103	10/31/92	79-01-6	Trichloroethene	1 U
34302001	11SW103	10/31/92	124-48-1	Dibromochloromethane	1 U
34302001	11SW103	10/31/92	79-00-5	1,1,2-Trichloroethane	1 U
34302001	11SW103	10/31/92	71-43-2	Benzene	1 U
34302001	11SW103	10/31/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34302001	11SW103	10/31/92	75-25-2	Bromoform	1 U
34302001	11SW103	10/31/92	591-78-6	2-Hexanone	5 U
34302001	11SW103	10/31/92	108-10-1	4-Methyl-2-pentanone	5 U
34302001	11SW103	10/31/92	127-18-4	Tetrachloroethene	1 U
34302001	11SW103	10/31/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34302001	11SW103	10/31/92	108-88-3	Toluene	1 U
34302001	11SW103	10/31/92	108-90-7	Chlorobenzene	1 U
34302001	11SW103	10/31/92	100-41-4	Ethylbenzene	1 U
34302001	11SW103	10/31/92	100-42-5	Styrene	1 U
34302001	11SW103	10/31/92	1330-20-7	Xylenes (total)	1 U
34302001	11SW103	10/31/92	541-73-1	1,3-Dichlorobenzene	1 U
34302001	11SW103	10/31/92	106-46-7	1,4-Dichlorobenzene	1 U
34302001	11SW103	10/31/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/03/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE SURFACE WATER SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34302002	11SW104	10/31/92	74-87-3	Chloromethane	1 U
34302002	11SW104	10/31/92	74-83-9	Bromomethane	1 U
34302002	11SW104	10/31/92	75-01-4	Vinyl chloride	1 U
34302002	11SW104	10/31/92	75-00-3	Chloroethane	1 U
34302002	11SW104	10/31/92	75-09-2	Methylene chloride	3 U
34302002	11SW104	10/31/92	67-64-1	Acetone	5 U
34302002	11SW104	10/31/92	75-15-0	Carbon disulfide	1 U
34302002	11SW104	10/31/92	75-35-4	1,1-Dichloroethene	1 U
34302002	11SW104	10/31/92	75-34-3	1,1-Dichloroethane	1 U
34302002	11SW104	10/31/92	540-59-0	cis-1,2-Dichloroethene	1 U
34302002	11SW104	10/31/92	156-60-5	trans-1,2-Dichloroethene	1 U
34302002	11SW104	10/31/92	67-66-3	Chloroform	1 U
34302002	11SW104	10/31/92	107-06-2	1,2-Dichloroethane	1 U
34302002	11SW104	10/31/92	78-93-3	2-Butanone	5 U
34302002	11SW104	10/31/92	71-55-6	1,1,1-Trichloroethane	1 U
34302002	11SW104	10/31/92	56-23-5	Carbon tetrachloride	1 U
34302002	11SW104	10/31/92	75-27-4	Bromodichloromethane	1 U
34302002	11SW104	10/31/92	78-87-5	1,2-Dichloropropane	1 U
34302002	11SW104	10/31/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34302002	11SW104	10/31/92	79-01-6	Trichloroethene	1 U
34302002	11SW104	10/31/92	124-48-1	Dibromochloromethane	1 U
34302002	11SW104	10/31/92	79-00-5	1,1,2-Trichloroethane	1 U
34302002	11SW104	10/31/92	71-43-2	Benzene	1 U
34302002	11SW104	10/31/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34302002	11SW104	10/31/92	75-25-2	Bromoform	1 U
34302002	11SW104	10/31/92	591-78-6	2-Hexanone	5 U
34302002	11SW104	10/31/92	108-10-1	4-Methyl-2-pentanone	5 U
34302002	11SW104	10/31/92	127-18-4	Tetrachloroethene	1 U
34302002	11SW104	10/31/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34302002	11SW104	10/31/92	108-88-3	Toluene	1 U
34302002	11SW104	10/31/92	108-90-7	Chlorobenzene	1 U
34302002	11SW104	10/31/92	100-41-4	Ethylbenzene	1 U
34302002	11SW104	10/31/92	100-42-5	Styrene	1 U
34302002	11SW104	10/31/92	1330-20-7	Xylenes (total)	1 U
34302002	11SW104	10/31/92	541-73-1	1,3-Dichlorobenzene	1 U
34302002	11SW104	10/31/92	106-46-7	1,4-Dichlorobenzene	1 U
34302002	11SW104	10/31/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/03/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE SURFACE WATER SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34302003	11SW104D	10/31/92	74-87-3	Chloromethane	1 U
34302003	11SW104D	10/31/92	74-83-9	Bromomethane	1 U
34302003	11SW104D	10/31/92	75-01-4	Vinyl chloride	1 U
34302003	11SW104D	10/31/92	75-00-3	Chloroethane	1 U
34302003	11SW104D	10/31/92	75-09-2	Methylene chloride	3 U
34302003	11SW104D	10/31/92	67-64-1	Acetone	5 U
34302003	11SW104D	10/31/92	75-15-0	Carbon disulfide	1 U
34302003	11SW104D	10/31/92	75-35-4	1,1-Dichloroethene	1 U
34302003	11SW104D	10/31/92	75-34-3	1,1-Dichloroethane	1 U
34302003	11SW104D	10/31/92	540-59-0	cis-1,2-Dichloroethene	1 U
34302003	11SW104D	10/31/92	156-60-5	trans-1,2-Dichloroethene	1 U
34302003	11SW104D	10/31/92	67-66-3	Chloroform	1 U
34302003	11SW104D	10/31/92	107-06-2	1,2-Dichloroethane	1 U
34302003	11SW104D	10/31/92	78-93-3	2-Butanone	5 U
34302003	11SW104D	10/31/92	71-55-6	1,1,1-Trichloroethane	1 U
34302003	11SW104D	10/31/92	56-23-5	Carbon tetrachloride	1 U
34302003	11SW104D	10/31/92	75-27-4	Bromodichloromethane	1 U
34302003	11SW104D	10/31/92	78-87-5	1,2-Dichloropropane	1 U
34302003	11SW104D	10/31/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34302003	11SW104D	10/31/92	79-01-6	Trichloroethene	1 U
34302003	11SW104D	10/31/92	124-48-1	Dibromochloromethane	1 U
34302003	11SW104D	10/31/92	79-00-5	1,1,2-Trichloroethane	1 U
34302003	11SW104D	10/31/92	71-43-2	Benzene	1 U
34302003	11SW104D	10/31/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34302003	11SW104D	10/31/92	75-25-2	Bromoform	1 U
34302003	11SW104D	10/31/92	591-78-6	2-Hexanone	5 U
34302003	11SW104D	10/31/92	108-10-1	4-Methyl-2-pentanone	5 U
34302003	11SW104D	10/31/92	127-18-4	Tetrachloroethene	1 U
34302003	11SW104D	10/31/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34302003	11SW104D	10/31/92	108-88-3	Toluene	1 U
34302003	11SW104D	10/31/92	108-90-7	Chlorobenzene	1 U
34302003	11SW104D	10/31/92	100-41-4	Ethylbenzene	1 U
34302003	11SW104D	10/31/92	100-42-5	Styrene	1 U
34302003	11SW104D	10/31/92	1330-20-7	Xylenes (total)	1 U
34302003	11SW104D	10/31/92	541-73-1	1,3-Dichlorobenzene	1 U
34302003	11SW104D	10/31/92	106-46-7	1,4-Dichlorobenzene	1 U
34302003	11SW104D	10/31/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/03/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE SURFACE WATER SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34302004	11SW105	10/31/92	74-87-3	Chloromethane	1 U
34302004	11SW105	10/31/92	74-83-9	Bromomethane	1 U
34302004	11SW105	10/31/92	75-01-4	Vinyl chloride	1 U
34302004	11SW105	10/31/92	75-00-3	Chloroethane	1 U
34302004	11SW105	10/31/92	75-09-2	Methylene chloride	3 U
34302004	11SW105	10/31/92	67-64-1	Acetone	5 U
34302004	11SW105	10/31/92	75-15-0	Carbon disulfide	1 U
34302004	11SW105	10/31/92	75-35-4	1,1-Dichloroethene	1 U
34302004	11SW105	10/31/92	75-34-3	1,1-Dichloroethane	1 U
34302004	11SW105	10/31/92	540-59-0	cis-1,2-Dichloroethene	1 U
34302004	11SW105	10/31/92	156-60-5	trans-1,2-Dichloroethene	1 U
34302004	11SW105	10/31/92	67-66-3	Chloroform	1 U
34302004	11SW105	10/31/92	107-06-2	1,2-Dichloroethane	1 U
34302004	11SW105	10/31/92	78-93-3	2-Butanone	5 U
34302004	11SW105	10/31/92	71-55-6	1,1,1-Trichloroethane	1 U
34302004	11SW105	10/31/92	56-23-5	Carbon tetrachloride	1 U
34302004	11SW105	10/31/92	75-27-4	Bromodichloromethane	1 U
34302004	11SW105	10/31/92	78-87-5	1,2-Dichloropropane	1 U
34302004	11SW105	10/31/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34302004	11SW105	10/31/92	79-01-6	Trichloroethene	1 U
34302004	11SW105	10/31/92	124-48-1	Dibromochloromethane	1 U
34302004	11SW105	10/31/92	79-00-5	1,1,2-Trichloroethane	1 U
34302004	11SW105	10/31/92	71-43-2	Benzene	1 U
34302004	11SW105	10/31/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34302004	11SW105	10/31/92	75-25-2	Bromoform	1 U
34302004	11SW105	10/31/92	591-78-6	2-Hexanone	5 U
34302004	11SW105	10/31/92	108-10-1	4-Methyl-2-pentanone	5 U
34302004	11SW105	10/31/92	127-18-4	Tetrachloroethene	1 U
34302004	11SW105	10/31/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34302004	11SW105	10/31/92	108-88-3	Toluene	1 U
34302004	11SW105	10/31/92	108-90-7	Chlorobenzene	1 U
34302004	11SW105	10/31/92	100-41-4	Ethylbenzene	1 U
34302004	11SW105	10/31/92	100-42-5	Styrene	1 U
34302004	11SW105	10/31/92	1330-20-7	Xylenes (total)	1 U
34302004	11SW105	10/31/92	541-73-1	1,3-Dichlorobenzene	1 U
34302004	11SW105	10/31/92	106-46-7	1,4-Dichlorobenzene	1 U
34302004	11SW105	10/31/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/03/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE SURFACE WATER SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34302001	11SW103	10/31/92	108-95-2	Phenol	10 U
34302001	11SW103	10/31/92	111-44-4	bis(2-Chloroethyl)ether	10 U
34302001	11SW103	10/31/92	95-57-8	2-Chlorophenol	10 U
34302001	11SW103	10/31/92	541-73-1	1,3-Dichlorobenzene	10 U
34302001	11SW103	10/31/92	106-46-7	1,4-Dichlorobenzene	10 U
34302001	11SW103	10/31/92	95-50-1	1,2-Dichlorobenzene	10 U
34302001	11SW103	10/31/92	95-48-7	2-Methylphenol	10 U
34302001	11SW103	10/31/92	108-60-1	2,2'-oxybis(1-Chloropropane)	10 U
34302001	11SW103	10/31/92	106-44-5	4-Methylphenol	10 U
34302001	11SW103	10/31/92	621-64-7	N-Nitroso-di-n-propylamine	10 U
34302001	11SW103	10/31/92	67-72-1	Hexachloroethane	10 U
34302001	11SW103	10/31/92	98-95-3	Nitrobenzene	10 U
34302001	11SW103	10/31/92	78-59-1	Isophorone	10 U
34302001	11SW103	10/31/92	88-75-5	2-Nitrophenol	10 U
34302001	11SW103	10/31/92	105-67-9	2,4-Dimethylphenol	10 U
34302001	11SW103	10/31/92	111-91-1	bis(2-Chloroethoxy)methane	10 U
34302001	11SW103	10/31/92	120-83-2	2,4-Dichlorophenol	10 U
34302001	11SW103	10/31/92	120-82-1	1,2,4-Trichlorobenzene	10 U
34302001	11SW103	10/31/92	91-20-3	Naphthalene	10 U
34302001	11SW103	10/31/92	106-47-8	4-Chloroaniline	10 U
34302001	11SW103	10/31/92	87-68-3	Hexachlorobutadiene	10 U
34302001	11SW103	10/31/92	59-50-7	4-Chloro-3-methylphenol	10 U
34302001	11SW103	10/31/92	91-57-6	2-Methylnaphthalene	10 U
34302001	11SW103	10/31/92	77-47-4	Hexachlorocyclopentadiene	10 U
34302001	11SW103	10/31/92	88-06-2	2,4,6-Trichlorophenol	10 U
34302001	11SW103	10/31/92	95-95-4	2,4,5-Trichlorophenol	25 U
34302001	11SW103	10/31/92	91-58-7	2-Chloronaphthalene	10 U
34302001	11SW103	10/31/92	88-74-4	2-Nitroaniline	25 U
34302001	11SW103	10/31/92	131-11-3	Dimethylphthalate	10 U
34302001	11SW103	10/31/92	208-96-8	Acenaphthylene	10 U
34302001	11SW103	10/31/92	606-20-2	2,6-Dinitrotoluene	10 U
34302001	11SW103	10/31/92	99-09-2	3-Nitroaniline	25 U
34302001	11SW103	10/31/92	83-32-9	Acenaphthene	10 U
34302001	11SW103	10/31/92	51-28-5	2,4-Dinitrophenol	25 U
34302001	11SW103	10/31/92	100-02-7	4-Nitrophenol	25 U
34302001	11SW103	10/31/92	132-64-9	Dibenzofuran	10 U
34302001	11SW103	10/31/92	121-14-2	2,4-Dinitrotoluene	10 U
34302001	11SW103	10/31/92	84-66-2	Diethylphthalate	10 U
34302001	11SW103	10/31/92	7005-72-3	4-Chlorophenyl-phenylether	10 U
34302001	11SW103	10/31/92	86-73-7	Fluorene	10 U
34302001	11SW103	10/31/92	100-01-6	4-Nitroaniline	25 U
34302001	11SW103	10/31/92	534-52-1	4,6-Dinitro-2-methylphenol	25 U

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Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34302001	11SW103	10/31/92	86-30-6	N-Nitrosodiphenylamine (1)	10 U
34302001	11SW103	10/31/92	101-55-3	4-Bromophenyl-phenylether	10 U
34302001	11SW103	10/31/92	118-74-1	Hexachlorobenzene	10 U
34302001	11SW103	10/31/92	87-86-5	Pentachlorophenol	25 U
34302001	11SW103	10/31/92	85-01-8	Phenanthrene	10 U
34302001	11SW103	10/31/92	120-12-7	Anthracene	10 U
34302001	11SW103	10/31/92	86-74-8	Carbazole	10 U
34302001	11SW103	10/31/92	84-74-2	Di-n-butylphthalate	10 U
34302001	11SW103	10/31/92	206-44-0	Fluoranthene	10 U
34302001	11SW103	10/31/92	129-00-0	Pyrene	10 U
34302001	11SW103	10/31/92	85-68-7	Butylbenzylphthalate	10 U
34302001	11SW103	10/31/92	91-94-1	3,3'-Dichlorobenzidine	10 U
34302001	11SW103	10/31/92	56-55-3	Benzo(a)anthracene	10 U
34302001	11SW103	10/31/92	218-01-9	Chrysene	10 U
34302001	11SW103	10/31/92	117-81-7	bis(2-Ethylhexyl)phthalate	10 U
34302001	11SW103	10/31/92	117-84-0	Di-n-octylphthalate	10 U
34302001	11SW103	10/31/92	205-99-2	Benzo(b)fluoranthene	10 U
34302001	11SW103	10/31/92	207-08-9	Benzo(k)fluoranthene	10 U
34302001	11SW103	10/31/92	50-32-8	Benzo(a)pyrene	10 U
34302001	11SW103	10/31/92	193-39-5	Indeno(1,2,3-cd)pyrene	10 U
34302001	11SW103	10/31/92	53-70-3	Dibenz(a,h)anthracene	10 U
34302001	11SW103	10/31/92	191-24-2	Benzo(g,h,i)perylene	10 U

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Dilution Factor: 1.0

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Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34302002	11SW104	10/31/92	108-95-2	Phenol	10 U
34302002	11SW104	10/31/92	111-44-4	bis(2-Chloroethyl)ether	10 U
34302002	11SW104	10/31/92	95-57-8	2-Chlorophenol	10 U
34302002	11SW104	10/31/92	541-73-1	1,3-Dichlorobenzene	10 U
34302002	11SW104	10/31/92	106-46-7	1,4-Dichlorobenzene	10 U
34302002	11SW104	10/31/92	95-50-1	1,2-Dichlorobenzene	10 U
34302002	11SW104	10/31/92	95-48-7	2-Methylphenol	10 U
34302002	11SW104	10/31/92	108-60-1	2,2'-oxybis(1-Chloropropane)	10 U
34302002	11SW104	10/31/92	106-44-5	4-Methylphenol	10 U
34302002	11SW104	10/31/92	621-64-7	N-Nitroso-di-n-propylamine	10 U
34302002	11SW104	10/31/92	67-72-1	Hexachloroethane	10 U
34302002	11SW104	10/31/92	98-95-3	Nitrobenzene	10 U
34302002	11SW104	10/31/92	78-59-1	Isophorone	10 U
34302002	11SW104	10/31/92	88-75-5	2-Nitrophenol	10 U
34302002	11SW104	10/31/92	105-67-9	2,4-Dimethylphenol	10 U
34302002	11SW104	10/31/92	111-91-1	bis(2-Chloroethoxy)methane	10 U
34302002	11SW104	10/31/92	120-83-2	2,4-Dichlorophenol	10 U
34302002	11SW104	10/31/92	120-82-1	1,2,4-Trichlorobenzene	10 U
34302002	11SW104	10/31/92	91-20-3	Naphthalene	10 U
34302002	11SW104	10/31/92	106-47-8	4-Chloroaniline	10 U
34302002	11SW104	10/31/92	87-68-3	Hexachlorobutadiene	10 U
34302002	11SW104	10/31/92	59-50-7	4-Chloro-3-methylphenol	10 U
34302002	11SW104	10/31/92	91-57-6	2-Methylnaphthalene	10 U
34302002	11SW104	10/31/92	77-47-4	Hexachlorocyclopentadiene	10 U
34302002	11SW104	10/31/92	88-06-2	2,4,6-Trichlorophenol	10 U
34302002	11SW104	10/31/92	95-95-4	2,4,5-Trichlorophenol	25 U
34302002	11SW104	10/31/92	91-58-7	2-Chloronaphthalene	10 U
34302002	11SW104	10/31/92	88-74-4	2-Nitroaniline	25 U
34302002	11SW104	10/31/92	131-11-3	Dimethylphthalate	10 U
34302002	11SW104	10/31/92	208-96-8	Acenaphthylene	10 U
34302002	11SW104	10/31/92	606-20-2	2,6-Dinitrotoluene	10 U
34302002	11SW104	10/31/92	99-09-2	3-Nitroaniline	25 U
34302002	11SW104	10/31/92	83-32-9	Acenaphthene	10 U
34302002	11SW104	10/31/92	51-28-5	2,4-Dinitrophenol	25 U
34302002	11SW104	10/31/92	100-02-7	4-Nitrophenol	25 U
34302002	11SW104	10/31/92	132-64-9	Dibenzofuran	10 U
34302002	11SW104	10/31/92	121-14-2	2,4-Dinitrotoluene	10 U
34302002	11SW104	10/31/92	84-66-2	Diethylphthalate	10 U
34302002	11SW104	10/31/92	7005-72-3	4-Chlorophenyl-phenylether	10 U
34302002	11SW104	10/31/92	86-73-7	Fluorene	10 U
34302002	11SW104	10/31/92	100-01-6	4-Nitroaniline	25 U
34302002	11SW104	10/31/92	534-52-1	4,6-Dinitro-2-methylphenol	25 U

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Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34302002	11SW104	10/31/92	86-30-6	N-Nitrosodiphenylamine (1)	10 U
34302002	11SW104	10/31/92	101-55-3	4-Bromophenyl-phenylether	10 U
34302002	11SW104	10/31/92	118-74-1	Hexachlorobenzene	10 U
34302002	11SW104	10/31/92	87-86-5	Pentachlorophenol	25 U
34302002	11SW104	10/31/92	85-01-8	Phenanthrene	10 U
34302002	11SW104	10/31/92	120-12-7	Anthracene	10 U
34302002	11SW104	10/31/92	86-74-8	Carbazole	10 U
34302002	11SW104	10/31/92	84-74-2	Di-n-butylphthalate	10 U
34302002	11SW104	10/31/92	206-44-0	Fluoranthene	10 U
34302002	11SW104	10/31/92	129-00-0	Pyrene	10 U
34302002	11SW104	10/31/92	85-68-7	Butylbenzylphthalate	10 U
34302002	11SW104	10/31/92	91-94-1	3,3'-Dichlorobenzidine	10 U
34302002	11SW104	10/31/92	56-55-3	Benzo(a)anthracene	10 U
34302002	11SW104	10/31/92	218-01-9	Chrysene	10 U
34302002	11SW104	10/31/92	117-81-7	bis(2-Ethylhexyl)phthalate	10 U
34302002	11SW104	10/31/92	117-84-0	Di-n-octylphthalate	10 U
34302002	11SW104	10/31/92	205-99-2	Benzo(b)fluoranthene	10 U
34302002	11SW104	10/31/92	207-08-9	Benzo(k)fluoranthene	10 U
34302002	11SW104	10/31/92	50-32-8	Benzo(a)pyrene	10 U
34302002	11SW104	10/31/92	193-39-5	Indeno(1,2,3-cd)pyrene	10 U
34302002	11SW104	10/31/92	53-70-3	Dibenz(a,h)anthracene	10 U
34302002	11SW104	10/31/92	191-24-2	Benzo(g,h,i)perylene	10 U

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Dilution Factor: 1.0

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Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34302003	11SW104D	10/31/92	108-95-2	Phenol	10 U
34302003	11SW104D	10/31/92	111-44-4	bis(2-Chloroethyl)ether	10 U
34302003	11SW104D	10/31/92	95-57-8	2-Chlorophenol	10 U
34302003	11SW104D	10/31/92	541-73-1	1,3-Dichlorobenzene	10 U
34302003	11SW104D	10/31/92	106-46-7	1,4-Dichlorobenzene	10 U
34302003	11SW104D	10/31/92	95-50-1	1,2-Dichlorobenzene	10 U
34302003	11SW104D	10/31/92	95-48-7	2-Methylphenol	10 U
34302003	11SW104D	10/31/92	108-60-1	2,2'-oxybis(1-Chloropropane)	10 U
34302003	11SW104D	10/31/92	106-44-5	4-Methylphenol	10 U
34302003	11SW104D	10/31/92	621-64-7	N-Nitroso-di-n-propylamine	10 U
34302003	11SW104D	10/31/92	67-72-1	Hexachloroethane	10 U
34302003	11SW104D	10/31/92	98-95-3	Nitrobenzene	10 U
34302003	11SW104D	10/31/92	78-59-1	Isophorone	10 U
34302003	11SW104D	10/31/92	88-75-5	2-Nitrophenol	10 U
34302003	11SW104D	10/31/92	105-67-9	2,4-Dimethylphenol	10 U
34302003	11SW104D	10/31/92	111-91-1	bis(2-Chloroethoxy)methane	10 U
34302003	11SW104D	10/31/92	120-83-2	2,4-Dichlorophenol	10 U
34302003	11SW104D	10/31/92	120-82-1	1,2,4-Trichlorobenzene	10 U
34302003	11SW104D	10/31/92	91-20-3	Naphthalene	10 U
34302003	11SW104D	10/31/92	106-47-8	4-Chloroaniline	10 U
34302003	11SW104D	10/31/92	87-68-3	Hexachlorobutadiene	10 U
34302003	11SW104D	10/31/92	59-50-7	4-Chloro-3-methylphenol	10 U
34302003	11SW104D	10/31/92	91-57-6	2-Methylnaphthalene	10 U
34302003	11SW104D	10/31/92	77-47-4	Hexachlorocyclopentadiene	10 U
34302003	11SW104D	10/31/92	88-06-2	2,4,6-Trichlorophenol	10 U
34302003	11SW104D	10/31/92	95-95-4	2,4,5-Trichlorophenol	25 U
34302003	11SW104D	10/31/92	91-58-7	2-Chloronaphthalene	10 U
34302003	11SW104D	10/31/92	88-74-4	2-Nitroaniline	25 U
34302003	11SW104D	10/31/92	131-11-3	Dimethylphthalate	10 U
34302003	11SW104D	10/31/92	208-96-8	Acenaphthylene	10 U
34302003	11SW104D	10/31/92	606-20-2	2,6-Dinitrotoluene	10 U
34302003	11SW104D	10/31/92	99-09-2	3-Nitroaniline	25 U
34302003	11SW104D	10/31/92	83-32-9	Acenaphthene	10 U
34302003	11SW104D	10/31/92	51-28-5	2,4-Dinitrophenol	25 U
34302003	11SW104D	10/31/92	100-02-7	4-Nitrophenol	25 U
34302003	11SW104D	10/31/92	132-64-9	Dibenzofuran	10 U
34302003	11SW104D	10/31/92	121-14-2	2,4-Dinitrotoluene	10 U
34302003	11SW104D	10/31/92	84-66-2	Diethylphthalate	10 U
34302003	11SW104D	10/31/92	7005-72-3	4-Chlorophenyl-phenylether	10 U
34302003	11SW104D	10/31/92	86-73-7	Fluorene	10 U
34302003	11SW104D	10/31/92	100-01-6	4-Nitroaniline	25 U
34302003	11SW104D	10/31/92	534-52-1	4,6-Dinitro-2-methylphenol	25 U

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Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34302003	11SW104D	10/31/92	86-30-6	N-Nitrosodiphenylamine (1)	10 U
34302003	11SW104D	10/31/92	101-55-3	4-Bromophenyl-phenylether	10 U
34302003	11SW104D	10/31/92	118-74-1	Hexachlorobenzene	10 U
34302003	11SW104D	10/31/92	87-86-5	Pentachlorophenol	25 U
34302003	11SW104D	10/31/92	85-01-8	Phenanthrene	10 U
34302003	11SW104D	10/31/92	120-12-7	Anthracene	10 U
34302003	11SW104D	10/31/92	86-74-8	Carbazole	10 U
34302003	11SW104D	10/31/92	84-74-2	Di-n-butylphthalate	10 U
34302003	11SW104D	10/31/92	206-44-0	Fluoranthene	10 U
34302003	11SW104D	10/31/92	129-00-0	Pyrene	10 U
34302003	11SW104D	10/31/92	85-68-7	Butylbenzylphthalate	10 U
34302003	11SW104D	10/31/92	91-94-1	3,3'-Dichlorobenzidine	10 U
34302003	11SW104D	10/31/92	56-55-3	Benzo(a)anthracene	10 U
34302003	11SW104D	10/31/92	218-01-9	Chrysene	10 U
34302003	11SW104D	10/31/92	117-81-7	bis(2-Ethylhexyl)phthalate	10 U
34302003	11SW104D	10/31/92	117-84-0	Di-n-octylphthalate	10 U
34302003	11SW104D	10/31/92	205-99-2	Benzo(b)fluoranthene	10 U
34302003	11SW104D	10/31/92	207-08-9	Benzo(k)fluoranthene	10 U
34302003	11SW104D	10/31/92	50-32-8	Benzo(a)pyrene	10 U
34302003	11SW104D	10/31/92	193-39-5	Indeno(1,2,3-cd)pyrene	10 U
34302003	11SW104D	10/31/92	53-70-3	Dibenz(a,h)anthracene	10 U
34302003	11SW104D	10/31/92	191-24-2	Benzo(g,h,i)perylene	10 U

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Dilution Factor: 1.0

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Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34302004	11SW105	10/31/92	108-95-2	Phenol	10 U
34302004	11SW105	10/31/92	111-44-4	bis(2-Chloroethyl)ether	10 U
34302004	11SW105	10/31/92	95-57-8	2-Chlorophenol	10 U
34302004	11SW105	10/31/92	541-73-1	1,3-Dichlorobenzene	10 U
34302004	11SW105	10/31/92	106-46-7	1,4-Dichlorobenzene	10 U
34302004	11SW105	10/31/92	95-50-1	1,2-Dichlorobenzene	10 U
34302004	11SW105	10/31/92	95-48-7	2-Methylphenol	10 U
34302004	11SW105	10/31/92	108-60-1	2,2'-oxybis(1-Chloropropane)	10 U
34302004	11SW105	10/31/92	106-44-5	4-Methylphenol	10 U
34302004	11SW105	10/31/92	621-64-7	N-Nitroso-di-n-propylamine	10 U
34302004	11SW105	10/31/92	67-72-1	Hexachloroethane	10 U
34302004	11SW105	10/31/92	98-95-3	Nitrobenzene	10 U
34302004	11SW105	10/31/92	78-59-1	Isophorone	10 U
34302004	11SW105	10/31/92	88-75-5	2-Nitrophenol	10 U
34302004	11SW105	10/31/92	105-67-9	2,4-Dimethylphenol	10 U
34302004	11SW105	10/31/92	111-91-1	bis(2-Chloroethoxy)methane	10 U
34302004	11SW105	10/31/92	120-83-2	2,4-Dichlorophenol	10 U
34302004	11SW105	10/31/92	120-82-1	1,2,4-Trichlorobenzene	10 U
34302004	11SW105	10/31/92	91-20-3	Naphthalene	10 U
34302004	11SW105	10/31/92	106-47-8	4-Chloroaniline	10 U
34302004	11SW105	10/31/92	87-68-3	Hexachlorobutadiene	10 U
34302004	11SW105	10/31/92	59-50-7	4-Chloro-3-methylphenol	10 U
34302004	11SW105	10/31/92	91-57-6	2-Methylnaphthalene	10 U
34302004	11SW105	10/31/92	77-47-4	Hexachlorocyclopentadiene	10 U
34302004	11SW105	10/31/92	88-06-2	2,4,6-Trichlorophenol	10 U
34302004	11SW105	10/31/92	95-95-4	2,4,5-Trichlorophenol	25 U
34302004	11SW105	10/31/92	91-58-7	2-Chloronaphthalene	10 U
34302004	11SW105	10/31/92	88-74-4	2-Nitroaniline	25 U
34302004	11SW105	10/31/92	131-11-3	Dimethylphthalate	10 U
34302004	11SW105	10/31/92	208-96-8	Acenaphthylene	10 U
34302004	11SW105	10/31/92	606-20-2	2,6-Dinitrotoluene	10 U
34302004	11SW105	10/31/92	99-09-2	3-Nitroaniline	25 U
34302004	11SW105	10/31/92	83-32-9	Acenaphthene	10 U
34302004	11SW105	10/31/92	51-28-5	2,4-Dinitrophenol	25 U
34302004	11SW105	10/31/92	100-02-7	4-Nitrophenol	25 U
34302004	11SW105	10/31/92	132-64-9	Dibenzofuran	10 U
34302004	11SW105	10/31/92	121-14-2	2,4-Dinitrotoluene	10 U
34302004	11SW105	10/31/92	84-66-2	Diethylphthalate	10 U
34302004	11SW105	10/31/92	7005-72-3	4-Chlorophenyl-phenylether	10 U
34302004	11SW105	10/31/92	86-73-7	Fluorene	10 U
34302004	11SW105	10/31/92	100-01-6	4-Nitroaniline	25 U
34302004	11SW105	10/31/92	534-52-1	4,6-Dinitro-2-methylphenol	25 U

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Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34302004	11SW105	10/31/92	86-30-6	N-Nitrosodiphenylamine (1)	10 U
34302004	11SW105	10/31/92	101-55-3	4-Bromophenyl-phenylether	10 U
34302004	11SW105	10/31/92	118-74-1	Hexachlorobenzene	10 U
34302004	11SW105	10/31/92	87-86-5	Pentachlorophenol	25 U
34302004	11SW105	10/31/92	85-01-8	Phenanthrene	10 U
34302004	11SW105	10/31/92	120-12-7	Anthracene	10 U
34302004	11SW105	10/31/92	86-74-8	Carbazole	10 U
34302004	11SW105	10/31/92	84-74-2	Di-n-butylphthalate	10 U
34302004	11SW105	10/31/92	206-44-0	Fluoranthene	10 U
34302004	11SW105	10/31/92	129-00-0	Pyrene	10 U
34302004	11SW105	10/31/92	85-68-7	Butylbenzylphthalate	10 U
34302004	11SW105	10/31/92	91-94-1	3,3'-Dichlorobenzidine	10 U
34302004	11SW105	10/31/92	56-55-3	Benzo(a)anthracene	10 U
34302004	11SW105	10/31/92	218-01-9	Chrysene	10 U
34302004	11SW105	10/31/92	117-81-7	bis(2-Ethylhexyl)phthalate	10 U
34302004	11SW105	10/31/92	117-84-0	Di-n-octylphthalate	10 U
34302004	11SW105	10/31/92	205-99-2	Benzo(b)fluoranthene	10 U
34302004	11SW105	10/31/92	207-08-9	Benzo(k)fluoranthene	10 U
34302004	11SW105	10/31/92	50-32-8	Benzo(a)pyrene	10 U
34302004	11SW105	10/31/92	193-39-5	Indeno(1,2,3-cd)pyrene	10 U
34302004	11SW105	10/31/92	53-70-3	Dibenz(a,h)anthracene	10 U
34302004	11SW105	10/31/92	191-24-2	Benzo(g,h,i)perylene	10 U

Date Extracted: 11/03/92
Date Analyzed: 11/06/92
Dilution Factor: 1.0

SEDIMENT

VALIDATED DATA TABLES FOR OFF-SITE SEDIMENT SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34302005	11SD101	10/31/92	74-87-3	Chloromethane	13 U
34302005	11SD101	10/31/92	74-83-9	Bromomethane	13 U
34302005	11SD101	10/31/92	75-01-4	Vinyl chloride	13 U
34302005	11SD101	10/31/92	75-00-3	Chloroethane	13 U
34302005	11SD101	10/31/92	75-09-2	Methylene chloride	18 U
34302005	11SD101	10/31/92	67-64-1	Acetone	13 U
34302005	11SD101	10/31/92	75-15-0	Carbon disulfide	13 U
34302005	11SD101	10/31/92	75-35-4	1,1-Dichloroethene	13 U
34302005	11SD101	10/31/92	75-34-3	1,1-Dichloroethane	13 U
34302005	11SD101	10/31/92	540-59-0	1,2-Dichloroethene (total)	13 U
34302005	11SD101	10/31/92	67-66-3	Chloroform	13 U
34302005	11SD101	10/31/92	107-06-2	1,2-Dichloroethane	13 U
34302005	11SD101	10/31/92	78-93-3	2-Butanone	13 U
34302005	11SD101	10/31/92	71-55-6	1,1,1-Trichloroethane	13 U
34302005	11SD101	10/31/92	56-23-5	Carbon tetrachloride	13 U
34302005	11SD101	10/31/92	75-27-4	Bromodichloromethane	13 U
34302005	11SD101	10/31/92	78-87-5	1,2-Dichloropropane	13 U
34302005	11SD101	10/31/92	10061-01-5	cis-1,3-Dichloropropane	13 U
34302005	11SD101	10/31/92	79-01-6	Trichloroethene	13 U
34302005	11SD101	10/31/92	124-48-1	Dibromochloromethane	13 U
34302005	11SD101	10/31/92	79-00-5	1,1,2-Trichloroethane	13 U
34302005	11SD101	10/31/92	71-43-2	Benzene	13 U
34302005	11SD101	10/31/92	10061-02-6	trans-1,3-Dichloropropene	13 U
34302005	11SD101	10/31/92	75-25-2	Bromoform	13 U
34302005	11SD101	10/31/92	591-78-6	2-Hexanone	13 U
34302005	11SD101	10/31/92	108-10-1	4-Methyl-2-pentanone	13 U
34302005	11SD101	10/31/92	127-18-4	Tetrachloroethene	13 U
34302005	11SD101	10/31/92	79-34-5	1,1,2,2-Tetrachloroethane	13 U
34302005	11SD101	10/31/92	108-88-3	Toluene	13 U
34302005	11SD101	10/31/92	108-90-7	Chlorobenzene	13 U
34302005	11SD101	10/31/92	100-41-4	Ethylbenzene	13 U
34302005	11SD101	10/31/92	100-42-5	Styrene	13 U
34302005	11SD101	10/31/92	1330-20-7	Xylenes (total)	13 U

Date Analyzed: 11/06/92
Dilution Factor: 1.0

VALIDATED DATA TABLES FOR OFF-SITE SEDIMENT SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34302006	11SD102	10/31/92	74-87-3	Chloromethane	14 U
34302006	11SD102	10/31/92	74-83-9	Bromomethane	14 U
34302006	11SD102	10/31/92	75-01-4	Vinyl chloride	14 U
34302006	11SD102	10/31/92	75-00-3	Chloroethane	14 U
34302006	11SD102	10/31/92	75-09-2	Methylene chloride	24 U
34302006	11SD102	10/31/92	67-64-1	Acetone	14 U
34302006	11SD102	10/31/92	75-15-0	Carbon disulfide	4 J
34302006	11SD102	10/31/92	75-35-4	1,1-Dichloroethene	14 U
34302006	11SD102	10/31/92	75-34-3	1,1-Dichloroethane	14 U
34302006	11SD102	10/31/92	540-59-0	1,2-Dichloroethene (total)	14 U
34302006	11SD102	10/31/92	67-66-3	Chloroform	14 U
34302006	11SD102	10/31/92	107-06-2	1,2-Dichloroethane	14 U
34302006	11SD102	10/31/92	78-93-3	2-Butanone	14 U
34302006	11SD102	10/31/92	71-55-6	1,1,1-Trichloroethane	14 U
34302006	11SD102	10/31/92	56-23-5	Carbon tetrachloride	14 U
34302006	11SD102	10/31/92	75-27-4	Bromodichloromethane	14 U
34302006	11SD102	10/31/92	78-87-5	1,2-Dichloropropane	14 U
34302006	11SD102	10/31/92	10061-01-5	cis-1,3-Dichloropropane	14 U
34302006	11SD102	10/31/92	79-01-6	Trichloroethene	14 U
34302006	11SD102	10/31/92	124-48-1	Dibromochloromethane	14 U
34302006	11SD102	10/31/92	79-00-5	1,1,2-Trichloroethane	14 U
34302006	11SD102	10/31/92	71-43-2	Benzene	14 U
34302006	11SD102	10/31/92	10061-02-6	trans-1,3-Dichloropropene	14 U
34302006	11SD102	10/31/92	75-25-2	Bromoform	14 U
34302006	11SD102	10/31/92	591-78-6	2-Hexanone	14 U
34302006	11SD102	10/31/92	108-10-1	4-Methyl-2-pentanone	14 U
34302006	11SD102	10/31/92	127-18-4	Tetrachloroethene	14 U
34302006	11SD102	10/31/92	79-34-5	1,1,2,2-Tetrachloroethane	14 U
34302006	11SD102	10/31/92	108-88-3	Toluene	14 U
34302006	11SD102	10/31/92	108-90-7	Chlorobenzene	14 U
34302006	11SD102	10/31/92	100-41-4	Ethylbenzene	14 U
34302006	11SD102	10/31/92	100-42-5	Styrene	14 U
34302006	11SD102	10/31/92	1330-20-7	Xylenes (total)	14 U

Date Analyzed: 11/06/92
Dilution Factor: 1.0

VALIDATED DATA TABLES FOR OFF-SITE SEDIMENT SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34302007	11SD102D	10/31/92	74-87-3	Chloromethane	13 U
34302007	11SD102D	10/31/92	74-83-9	Bromomethane	13 U
34302007	11SD102D	10/31/92	75-01-4	Vinyl chloride	13 U
34302007	11SD102D	10/31/92	75-00-3	Chloroethane	13 U
34302007	11SD102D	10/31/92	75-09-2	Methylene chloride	21 U
34302007	11SD102D	10/31/92	67-64-1	Acetone	13 U
34302007	11SD102D	10/31/92	75-15-0	Carbon disulfide	2 J
34302007	11SD102D	10/31/92	75-35-4	1,1-Dichloroethene	13 U
34302007	11SD102D	10/31/92	75-34-3	1,1-Dichloroethane	13 U
34302007	11SD102D	10/31/92	540-59-0	1,2-Dichloroethene (total)	13 U
34302007	11SD102D	10/31/92	67-66-3	Chloroform	13 U
34302007	11SD102D	10/31/92	107-06-2	1,2-Dichloroethane	13 U
34302007	11SD102D	10/31/92	78-93-3	2-Butanone	13 U
34302007	11SD102D	10/31/92	71-55-6	1,1,1-Trichloroethane	13 U
34302007	11SD102D	10/31/92	56-23-5	Carbon tetrachloride	13 U
34302007	11SD102D	10/31/92	75-27-4	Bromodichloromethane	13 U
34302007	11SD102D	10/31/92	78-87-5	1,2-Dichloropropane	13 U
34302007	11SD102D	10/31/92	10061-01-5	cis-1,3-Dichloropropane	13 U
34302007	11SD102D	10/31/92	79-01-6	Trichloroethene	13 U
34302007	11SD102D	10/31/92	124-48-1	Dibromochloromethane	13 U
34302007	11SD102D	10/31/92	79-00-5	1,1,2-Trichloroethane	13 U
34302007	11SD102D	10/31/92	71-43-2	Benzene	13 U
34302007	11SD102D	10/31/92	10061-02-6	trans-1,3-Dichloropropene	13 U
34302007	11SD102D	10/31/92	75-25-2	Bromoform	13 U
34302007	11SD102D	10/31/92	591-78-6	2-Hexanone	13 U
34302007	11SD102D	10/31/92	108-10-1	4-Methyl-2-pentanone	13 U
34302007	11SD102D	10/31/92	127-18-4	Tetrachloroethene	13 U
34302007	11SD102D	10/31/92	79-34-5	1,1,2,2-Tetrachloroethane	13 U
34302007	11SD102D	10/31/92	108-88-3	Toluene	13 U
34302007	11SD102D	10/31/92	108-90-7	Chlorobenzene	13 U
34302007	11SD102D	10/31/92	100-41-4	Ethylbenzene	13 U
34302007	11SD102D	10/31/92	100-42-5	Styrene	13 U
34302007	11SD102D	10/31/92	1330-20-7	Xylenes (total)	13 U

Date Analyzed: 11/06/92
Dilution Factor: 1.0

VALIDATED DATA TABLES FOR OFF-SITE SEDIMENT SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34302008	11SD103	10/31/92	74-87-3	Chloromethane	14 U
34302008	11SD103	10/31/92	74-83-9	Bromomethane	14 U
34302008	11SD103	10/31/92	75-01-4	Vinyl chloride	14 U
34302008	11SD103	10/31/92	75-00-3	Chloroethane	14 U
34302008	11SD103	10/31/92	75-09-2	Methylene chloride	23 U
34302008	11SD103	10/31/92	67-64-1	Acetone	14 U
34302008	11SD103	10/31/92	75-15-0	Carbon disulfide	27
34302008	11SD103	10/31/92	75-35-4	1,1-Dichloroethene	14 U
34302008	11SD103	10/31/92	75-34-3	1,1-Dichloroethane	14 U
34302008	11SD103	10/31/92	540-59-0	1,2-Dichloroethene (total)	14 U
34302008	11SD103	10/31/92	67-66-3	Chloroform	14 U
34302008	11SD103	10/31/92	107-06-2	1,2-Dichloroethane	14 U
34302008	11SD103	10/31/92	78-93-3	2-Butanone	14 U
34302008	11SD103	10/31/92	71-55-6	1,1,1-Trichloroethane	14 U
34302008	11SD103	10/31/92	56-23-5	Carbon tetrachloride	14 U
34302008	11SD103	10/31/92	75-27-4	Bromodichloromethane	14 U
34302008	11SD103	10/31/92	78-87-5	1,2-Dichloropropane	14 U
34302008	11SD103	10/31/92	10061-01-5	cis-1,3-Dichloropropane	14 U
34302008	11SD103	10/31/92	79-01-6	Trichloroethene	14 U
34302008	11SD103	10/31/92	124-48-1	Dibromochloromethane	14 U
34302008	11SD103	10/31/92	79-00-5	1,1,2-Trichloroethane	14 U
34302008	11SD103	10/31/92	71-43-2	Benzene	14 U
34302008	11SD103	10/31/92	10061-02-6	trans-1,3-Dichloropropene	14 U
34302008	11SD103	10/31/92	75-25-2	Bromoform	14 U
34302008	11SD103	10/31/92	591-78-6	2-Hexanone	14 U
34302008	11SD103	10/31/92	108-10-1	4-Methyl-2-pentanone	14 U
34302008	11SD103	10/31/92	127-18-4	Tetrachloroethene	14 U
34302008	11SD103	10/31/92	79-34-5	1,1,2,2-Tetrachloroethane	14 U
34302008	11SD103	10/31/92	108-88-3	Toluene	14 U
34302008	11SD103	10/31/92	108-90-7	Chlorobenzene	14 U
34302008	11SD103	10/31/92	100-41-4	Ethylbenzene	14 U
34302008	11SD103	10/31/92	100-42-5	Styrene	14 U
34302008	11SD103	10/31/92	1330-20-7	Xylenes (total)	14 U

Date Analyzed: 11/06/92
Dilution Factor: 1.0

VALIDATED DATA TABLES FOR OFF-SITE SEDIMENT SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34302005	11SD101	10/31/92	108-95-2	Phenol	420 U
34302005	11SD101	10/31/92	111-44-4	bis(2-Chloroethyl)ether	420 U
34302005	11SD101	10/31/92	95-57-8	2-Chlorophenol	420 U
34302005	11SD101	10/31/92	541-73-1	1,3-Dichlorobenzene	420 U
34302005	11SD101	10/31/92	106-46-7	1,4-Dichlorobenzene	420 U
34302005	11SD101	10/31/92	95-50-1	1,2-Dichlorobenzene	420 U
34302005	11SD101	10/31/92	95-48-7	2-Methylphenol	420 U
34302005	11SD101	10/31/92	108-60-1	2,2'-oxybis(1-Chloropropane)	420 U
34302005	11SD101	10/31/92	106-44-5	4-Methylphenol	420 U
34302005	11SD101	10/31/92	621-64-7	N-Nitroso-di-n-propylamine	420 U
34302005	11SD101	10/31/92	67-72-1	Hexachloroethane	420 U
34302005	11SD101	10/31/92	98-95-3	Nitrobenzene	420 U
34302005	11SD101	10/31/92	78-59-1	Isophorone	420 U
34302005	11SD101	10/31/92	88-75-5	2-Nitrophenol	420 U
34302005	11SD101	10/31/92	105-67-9	2,4-Dimethylphenol	420 U
34302005	11SD101	10/31/92	111-91-1	bis(2-Chloroethoxy)methane	420 U
34302005	11SD101	10/31/92	120-83-2	2,4-Dichlorophenol	420 U
34302005	11SD101	10/31/92	120-82-1	1,2,4-Trichlorobenzene	420 U
34302005	11SD101	10/31/92	91-20-3	Naphthalene	420 U
34302005	11SD101	10/31/92	106-47-8	4-Chloroaniline	420 U
34302005	11SD101	10/31/92	87-68-3	Hexachlorobutadiene	420 U
34302005	11SD101	10/31/92	59-50-7	4-Chloro-3-methylphenol	420 U
34302005	11SD101	10/31/92	91-57-6	2-Methylnaphthalene	420 U
34302005	11SD101	10/31/92	77-47-4	Hexachlorocyclopentadiene	420 U
34302005	11SD101	10/31/92	88-06-2	2,4,6-Trichlorophenol	420 U
34302005	11SD101	10/31/92	95-95-4	2,4,5-Trichlorophenol	1000 U
34302005	11SD101	10/31/92	91-58-7	2-Chloronaphthalene	420 U
34302005	11SD101	10/31/92	88-74-4	2-Nitroaniline	1000 U
34302005	11SD101	10/31/92	131-11-3	Dimethylphthalate	420 U
34302005	11SD101	10/31/92	208-96-8	Acenaphthylene	420 U
34302005	11SD101	10/31/92	606-20-2	2,6-Dinitrotoluene	420 U
34302005	11SD101	10/31/92	99-09-2	3-Nitroaniline	1000 U
34302005	11SD101	10/31/92	83-32-9	Acenaphthene	420 U
34302005	11SD101	10/31/92	51-28-5	2,4-Dinitrophenol	1000 U
34302005	11SD101	10/31/92	100-02-7	4-Nitrophenol	1000 U
34302005	11SD101	10/31/92	132-64-9	Dibenzofuran	420 U
34302005	11SD101	10/31/92	121-14-2	2,4-Dinitrotoluene	420 U
34302005	11SD101	10/31/92	84-66-2	Diethylphthalate	420 U
34302005	11SD101	10/31/92	7005-72-3	4-Chlorophenyl-phenylether	420 U
34302005	11SD101	10/31/92	86-73-7	Fluorene	420 U
34302005	11SD101	10/31/92	100-01-6	4-Nitroaniline	1000 U
34302005	11SD101	10/31/92	534-52-1	4,6-Dinitro-2-methylphenol	1000 U

VALIDATED DATA TABLES FOR OFF-SITE SEDIMENT SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34302005	11SD101	10/31/92	86-30-6	N-Nitrosodiphenylamine (1)	420 U
34302005	11SD101	10/31/92	101-55-3	4-Bromophenyl-phenylether	420 U
34302005	11SD101	10/31/92	118-74-1	Hexachlorobenzene	420 U
34302005	11SD101	10/31/92	87-86-5	Pentachlorophenol	1000 U
34302005	11SD101	10/31/92	85-01-8	Phenanthrene	420 U
34302005	11SD101	10/31/92	120-12-7	Anthracene	420 U
34302005	11SD101	10/31/92	86-74-8	Carbazole	420 U
34302005	11SD101	10/31/92	84-74-2	Di-n-butylphthalate	120 J
34302005	11SD101	10/31/92	206-44-0	Fluoranthene	420 U
34302005	11SD101	10/31/92	129-00-0	Pyrene	420 U
34302005	11SD101	10/31/92	85-68-7	Butylbenzylphthalate	420 U
34302005	11SD101	10/31/92	91-94-1	3,3'-Dichlorobenzidine	420 U
34302005	11SD101	10/31/92	56-55-3	Benzo(a)anthracene	420 U
34302005	11SD101	10/31/92	218-01-9	Chrysene	420 U
34302005	11SD101	10/31/92	117-81-7	bis(2-Ethylhexyl)phthalate	420 U
34302005	11SD101	10/31/92	117-84-0	Di-n-octylphthalate	420 U
34302005	11SD101	10/31/92	205-99-2	Benzo(b)fluoranthene	420 U
34302005	11SD101	10/31/92	207-08-9	Benzo(k)fluoranthene	420 U
34302005	11SD101	10/31/92	50-32-8	Benzo(a)pyrene	420 U
34302005	11SD101	10/31/92	193-39-5	Indeno(1,2,3-cd)pyrene	420 U
34302005	11SD101	10/31/92	53-70-3	Dibenz(a,h)anthracene	420 U
34302005	11SD101	10/31/92	191-24-2	Benzo(g,h,i)perylene	420 U

Date Extracted: 11/06/92
Date Analyzed: 11/12/92
Dilution Factor: 1.0

VALIDATED DATA TABLES FOR OFF-SITE SEDIMENT SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34302006	11SD102	10/31/92	108-95-2	Phenol	460 U
34302006	11SD102	10/31/92	111-44-4	bis(2-Chloroethyl)ether	460 U
34302006	11SD102	10/31/92	95-57-8	2-Chlorophenol	460 U
34302006	11SD102	10/31/92	541-73-1	1,3-Dichlorobenzene	460 U
34302006	11SD102	10/31/92	106-46-7	1,4-Dichlorobenzene	460 U
34302006	11SD102	10/31/92	95-50-1	1,2-Dichlorobenzene	460 U
34302006	11SD102	10/31/92	95-48-7	2-Methylphenol	460 U
34302006	11SD102	10/31/92	108-60-1	2,2'-oxybis(1-Chloropropane)	460 U
34302006	11SD102	10/31/92	106-44-5	4-Methylphenol	460 U
34302006	11SD102	10/31/92	621-64-7	N-Nitroso-di-n-propylamine	460 U
34302006	11SD102	10/31/92	67-72-1	Hexachloroethane	460 U
34302006	11SD102	10/31/92	98-95-3	Nitrobenzene	460 U
34302006	11SD102	10/31/92	78-59-1	Isophorone	460 U
34302006	11SD102	10/31/92	88-75-5	2-Nitrophenol	460 U
34302006	11SD102	10/31/92	105-67-9	2,4-Dimethylphenol	460 U
34302006	11SD102	10/31/92	111-91-1	bis(2-Chloroethoxy)methane	460 U
34302006	11SD102	10/31/92	120-83-2	2,4-Dichlorophenol	460 U
34302006	11SD102	10/31/92	120-82-1	1,2,4-Trichlorobenzene	460 U
34302006	11SD102	10/31/92	91-20-3	Naphthalene	460 U
34302006	11SD102	10/31/92	106-47-8	4-Chloroaniline	460 U
34302006	11SD102	10/31/92	87-68-3	Hexachlorobutadiene	460 U
34302006	11SD102	10/31/92	59-50-7	4-Chloro-3-methylphenol	460 U
34302006	11SD102	10/31/92	91-57-6	2-Methylnaphthalene	460 U
34302006	11SD102	10/31/92	77-47-4	Hexachlorocyclopentadiene	460 U
34302006	11SD102	10/31/92	88-06-2	2,4,6-Trichlorophenol	460 U
34302006	11SD102	10/31/92	95-95-4	2,4,5-Trichlorophenol	1100 U
34302006	11SD102	10/31/92	91-58-7	2-Chloronaphthalene	460 U
34302006	11SD102	10/31/92	88-74-4	2-Nitroaniline	1100 U
34302006	11SD102	10/31/92	131-11-3	Dimethylphthalate	460 U
34302006	11SD102	10/31/92	208-96-8	Acenaphthylene	460 U
34302006	11SD102	10/31/92	606-20-2	2,6-Dinitrotoluene	460 U
34302006	11SD102	10/31/92	99-09-2	3-Nitroaniline	1100 U
34302006	11SD102	10/31/92	83-32-9	Acenaphthene	460 U
34302006	11SD102	10/31/92	51-28-5	2,4-Dinitrophenol	1100 U
34302006	11SD102	10/31/92	100-02-7	4-Nitrophenol	1100 U
34302006	11SD102	10/31/92	132-64-9	Dibenzofuran	460 U
34302006	11SD102	10/31/92	121-14-2	2,4-Dinitrotoluene	460 U
34302006	11SD102	10/31/92	84-66-2	Diethylphthalate	460 U
34302006	11SD102	10/31/92	7005-72-3	4-Chlorophenyl-phenylether	460 U
34302006	11SD102	10/31/92	86-73-7	Fluorene	460 U
34302006	11SD102	10/31/92	100-01-6	4-Nitroaniline	1100 U
34302006	11SD102	10/31/92	534-52-1	4,6-Dinitro-2-methylphenol	1100 U

VALIDATED DATA TABLES FOR OFF-SITE SEDIMENT SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34302006	11SD102	10/31/92	86-30-6	N-Nitrosodiphenylamine (1)	460 U
34302006	11SD102	10/31/92	101-55-3	4-Bromophenyl-phenylether	460 U
34302006	11SD102	10/31/92	118-74-1	Hexachlorobenzene	460 U
34302006	11SD102	10/31/92	87-86-5	Pentachlorophenol	1100 U
34302006	11SD102	10/31/92	85-01-8	Phenanthrene	460 U
34302006	11SD102	10/31/92	120-12-7	Anthracene	460 U
34302006	11SD102	10/31/92	86-74-8	Carbazole	460 U
34302006	11SD102	10/31/92	84-74-2	Di-n-butylphthalate	400 J
34302006	11SD102	10/31/92	206-44-0	Fluoranthene	460 U
34302006	11SD102	10/31/92	129-00-0	Pyrene	460 U
34302006	11SD102	10/31/92	85-68-7	Butylbenzylphthalate	460 U
34302006	11SD102	10/31/92	91-94-1	3,3'-Dichlorobenzidine	460 U
34302006	11SD102	10/31/92	56-55-3	Benzo(a)anthracene	460 U
34302006	11SD102	10/31/92	218-01-9	Chrysene	460 U
34302006	11SD102	10/31/92	117-81-7	bis(2-Ethylhexyl)phthalate	47 J
34302006	11SD102	10/31/92	117-84-0	Di-n-octylphthalate	460 U
34302006	11SD102	10/31/92	205-99-2	Benzo(b)fluoranthene	460 U
34302006	11SD102	10/31/92	207-08-9	Benzo(k)fluoranthene	460 U
34302006	11SD102	10/31/92	50-32-8	Benzo(a)pyrene	460 U
34302006	11SD102	10/31/92	193-39-5	Indeno(1,2,3-cd)pyrene	460 U
34302006	11SD102	10/31/92	53-70-3	Dibenz(a,h)anthracene	460 U
34302006	11SD102	10/31/92	191-24-2	Benzo(g,h,i)perylene	460 U

Date Extracted: 11/06/92
Date Analyzed: 11/12/92
Dilution Factor: 1.0

VALIDATED DATA TABLES FOR OFF-SITE SEDIMENT SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34302007	11SD102D	10/31/92	108-95-2	Phenol	420 U
34302007	11SD102D	10/31/92	111-44-4	bis(2-Chloroethyl)ether	420 U
34302007	11SD102D	10/31/92	95-57-8	2-Chlorophenol	420 U
34302007	11SD102D	10/31/92	541-73-1	1,3-Dichlorobenzene	420 U
34302007	11SD102D	10/31/92	106-46-7	1,4-Dichlorobenzene	420 U
34302007	11SD102D	10/31/92	95-50-1	1,2-Dichlorobenzene	420 U
34302007	11SD102D	10/31/92	95-48-7	2-Methylphenol	420 U
34302007	11SD102D	10/31/92	108-60-1	2,2'-oxybis(1-Chloropropane)	420 U
34302007	11SD102D	10/31/92	106-44-5	4-Methylphenol	420 U
34302007	11SD102D	10/31/92	621-64-7	N-Nitroso-di-n-propylamine	420 U
34302007	11SD102D	10/31/92	67-72-1	Hexachloroethane	420 U
34302007	11SD102D	10/31/92	98-95-3	Nitrobenzene	420 U
34302007	11SD102D	10/31/92	78-59-1	Isophorone	420 U
34302007	11SD102D	10/31/92	88-75-5	2-Nitrophenol	420 U
34302007	11SD102D	10/31/92	105-67-9	2,4-Dimethylphenol	420 U
34302007	11SD102D	10/31/92	111-91-1	bis(2-Chloroethoxy)methane	420 U
34302007	11SD102D	10/31/92	120-83-2	2,4-Dichlorophenol	420 U
34302007	11SD102D	10/31/92	120-82-1	1,2,4-Trichlorobenzene	420 U
34302007	11SD102D	10/31/92	91-20-3	Naphthalene	420 U
34302007	11SD102D	10/31/92	106-47-8	4-Chloroaniline	420 U
34302007	11SD102D	10/31/92	87-68-3	Hexachlorobutadiene	420 U
34302007	11SD102D	10/31/92	59-50-7	4-Chloro-3-methylphenol	420 U
34302007	11SD102D	10/31/92	91-57-6	2-Methylnaphthalene	420 U
34302007	11SD102D	10/31/92	77-47-4	Hexachlorocyclopentadiene	420 U
34302007	11SD102D	10/31/92	88-06-2	2,4,6-Trichlorophenol	420 U
34302007	11SD102D	10/31/92	95-95-4	2,4,5-Trichlorophenol	1000 U
34302007	11SD102D	10/31/92	91-58-7	2-Chloronaphthalene	420 U
34302007	11SD102D	10/31/92	88-74-4	2-Nitroaniline	1000 U
34302007	11SD102D	10/31/92	131-11-3	Dimethylphthalate	420 U
34302007	11SD102D	10/31/92	208-96-8	Acenaphthylene	420 U
34302007	11SD102D	10/31/92	606-20-2	2,6-Dinitrotoluene	420 U
34302007	11SD102D	10/31/92	99-09-2	3-Nitroaniline	1000 U
34302007	11SD102D	10/31/92	83-32-9	Acenaphthene	420 U
34302007	11SD102D	10/31/92	51-28-5	2,4-Dinitrophenol	1000 U
34302007	11SD102D	10/31/92	100-02-7	4-Nitrophenol	1000 U
34302007	11SD102D	10/31/92	132-64-9	Dibenzofuran	420 U
34302007	11SD102D	10/31/92	121-14-2	2,4-Dinitrotoluene	420 U
34302007	11SD102D	10/31/92	84-66-2	Diethylphthalate	420 U
34302007	11SD102D	10/31/92	7005-72-3	4-Chlorophenyl-phenylether	420 U
34302007	11SD102D	10/31/92	86-73-7	Fluorene	420 U
34302007	11SD102D	10/31/92	100-01-6	4-Nitroaniline	1000 U
34302007	11SD102D	10/31/92	534-52-1	4,6-Dinitro-2-methylphenol	1000 U

VALIDATED DATA TABLES FOR OFF-SITE SEDIMENT SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34302007	11SD102D	10/31/92	86-30-6	N-Nitrosodiphenylamine (1)	420 U
34302007	11SD102D	10/31/92	101-55-3	4-Bromophenyl-phenylether	420 U
34302007	11SD102D	10/31/92	118-74-1	Hexachlorobenzene	420 U
34302007	11SD102D	10/31/92	87-86-5	Pentachlorophenol	1000 U
34302007	11SD102D	10/31/92	85-01-8	Phenanthrene	420 U
34302007	11SD102D	10/31/92	120-12-7	Anthracene	420 U
34302007	11SD102D	10/31/92	86-74-8	Carbazole	420 U
34302007	11SD102D	10/31/92	84-74-2	Di-n-butylphthalate	330 J
34302007	11SD102D	10/31/92	206-44-0	Fluoranthene	420 U
34302007	11SD102D	10/31/92	129-00-0	Pyrene	420 U
34302007	11SD102D	10/31/92	85-68-7	Butylbenzylphthalate	420 U
34302007	11SD102D	10/31/92	91-94-1	3,3'-Dichlorobenzidine	420 U
34302007	11SD102D	10/31/92	56-55-3	Benzo(a)anthracene	420 U
34302007	11SD102D	10/31/92	218-01-9	Chrysene	420 U
34302007	11SD102D	10/31/92	117-81-7	bis(2-Ethylhexyl)phthalate	420 U
34302007	11SD102D	10/31/92	117-84-0	Di-n-octylphthalate	420 U
34302007	11SD102D	10/31/92	205-99-2	Benzo(b)fluoranthene	420 U
34302007	11SD102D	10/31/92	207-08-9	Benzo(k)fluoranthene	420 U
34302007	11SD102D	10/31/92	50-32-8	Benzo(a)pyrene	420 U
34302007	11SD102D	10/31/92	193-39-5	Indeno(1,2,3-cd)pyrene	420 U
34302007	11SD102D	10/31/92	53-70-3	Dibenz(a,h)anthracene	420 U
34302007	11SD102D	10/31/92	191-24-2	Benzo(g,h,i)perylene	420 U

Date Extracted: 11/06/92
Date Analyzed: 11/12/92
Dilution Factor: 1.0

VALIDATED DATA TABLES FOR OFF-SITE SEDIMENT SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34302008	11SD103	10/31/92	108-95-2	Phenol	460 U
34302008	11SD103	10/31/92	111-44-4	bis(2-Chloroethyl)ether	460 U
34302008	11SD103	10/31/92	95-57-8	2-Chlorophenol	460 U
34302008	11SD103	10/31/92	541-73-1	1,3-Dichlorobenzene	460 U
34302008	11SD103	10/31/92	106-46-7	1,4-Dichlorobenzene	460 U
34302008	11SD103	10/31/92	95-50-1	1,2-Dichlorobenzene	460 U
34302008	11SD103	10/31/92	95-48-7	2-Methylphenol	460 U
34302008	11SD103	10/31/92	108-60-1	2,2'-oxybis(1-Chloropropane)	460 U
34302008	11SD103	10/31/92	106-44-5	4-Methylphenol	460 U
34302008	11SD103	10/31/92	621-64-7	N-Nitroso-di-n-propylamine	460 U
34302008	11SD103	10/31/92	67-72-1	Hexachloroethane	460 U
34302008	11SD103	10/31/92	98-95-3	Nitrobenzene	460 U
34302008	11SD103	10/31/92	78-59-1	Isophorone	460 U
34302008	11SD103	10/31/92	88-75-5	2-Nitrophenol	460 U
34302008	11SD103	10/31/92	105-67-9	2,4-Dimethylphenol	460 U
34302008	11SD103	10/31/92	111-91-1	bis(2-Chloroethoxy)methane	460 U
34302008	11SD103	10/31/92	120-83-2	2,4-Dichlorophenol	460 U
34302008	11SD103	10/31/92	120-82-1	1,2,4-Trichlorobenzene	460 U
34302008	11SD103	10/31/92	91-20-3	Naphthalene	460 U
34302008	11SD103	10/31/92	106-47-8	4-Chloroaniline	460 U
34302008	11SD103	10/31/92	87-68-3	Hexachlorobutadiene	460 U
34302008	11SD103	10/31/92	59-50-7	4-Chloro-3-methylphenol	460 U
34302008	11SD103	10/31/92	91-57-6	2-Methylnaphthalene	460 U
34302008	11SD103	10/31/92	77-47-4	Hexachlorocyclopentadiene	460 U
34302008	11SD103	10/31/92	88-06-2	2,4,6-Trichlorophenol	460 U
34302008	11SD103	10/31/92	95-95-4	2,4,5-Trichlorophenol	1100 U
34302008	11SD103	10/31/92	91-58-7	2-Chloronaphthalene	460 U
34302008	11SD103	10/31/92	88-74-4	2-Nitroaniline	1100 U
34302008	11SD103	10/31/92	131-11-3	Dimethylphthalate	460 U
34302008	11SD103	10/31/92	208-96-8	Acenaphthylene	460 U
34302008	11SD103	10/31/92	606-20-2	2,6-Dinitrotoluene	460 U
34302008	11SD103	10/31/92	99-09-2	3-Nitroaniline	1100 U
34302008	11SD103	10/31/92	83-32-9	Acenaphthene	460 U
34302008	11SD103	10/31/92	51-28-5	2,4-Dinitrophenol	1100 U
34302008	11SD103	10/31/92	100-02-7	4-Nitrophenol	1100 U
34302008	11SD103	10/31/92	132-64-9	Dibenzofuran	460 U
34302008	11SD103	10/31/92	121-14-2	2,4-Dinitrotoluene	460 U
34302008	11SD103	10/31/92	84-66-2	Diethylphthalate	460 U
34302008	11SD103	10/31/92	7005-72-3	4-Chlorophenyl-phenylether	460 U
34302008	11SD103	10/31/92	86-73-7	Fluorene	460 U
34302008	11SD103	10/31/92	100-01-6	4-Nitroaniline	1100 U
34302008	11SD103	10/31/92	534-52-1	4,6-Dinitro-2-methylphenol	1100 U

VALIDATED DATA TABLES FOR OFF-SITE SEDIMENT SAMPLES

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34302008	11SD103	10/31/92	86-30-6	N-Nitrosodiphenylamine (1)	460 U
34302008	11SD103	10/31/92	101-55-3	4-Bromophenyl-phenylether	460 U
34302008	11SD103	10/31/92	118-74-1	Hexachlorobenzene	460 U
34302008	11SD103	10/31/92	87-86-5	Pentachlorophenol	1100 U
34302008	11SD103	10/31/92	85-01-8	Phenanthrene	460 U
34302008	11SD103	10/31/92	120-12-7	Anthracene	460 U
34302008	11SD103	10/31/92	86-74-8	Carbazole	460 U
34302008	11SD103	10/31/92	84-74-2	Di-n-butylphthalate	290 J
34302008	11SD103	10/31/92	206-44-0	Fluoranthene	460 U
34302008	11SD103	10/31/92	129-00-0	Pyrene	460 U
34302008	11SD103	10/31/92	85-68-7	Butylbenzylphthalate	460 U
34302008	11SD103	10/31/92	91-94-1	3,3'-Dichlorobenzidine	460 U
34302008	11SD103	10/31/92	56-55-3	Benzo(a)anthracene	460 U
34302008	11SD103	10/31/92	218-01-9	Chrysene	460 U
34302008	11SD103	10/31/92	117-81-7	bis(2-Ethylhexyl)phthalate	460 U
34302008	11SD103	10/31/92	117-84-0	Di-n-octylphthalate	460 U
34302008	11SD103	10/31/92	205-99-2	Benzo(b)fluoranthene	460 U
34302008	11SD103	10/31/92	207-08-9	Benzo(k)fluoranthene	460 U
34302008	11SD103	10/31/92	50-32-8	Benzo(a)pyrene	460 U
34302008	11SD103	10/31/92	193-39-5	Indeno(1,2,3-cd)pyrene	460 U
34302008	11SD103	10/31/92	53-70-3	Dibenz(a,h)anthracene	460 U
34302008	11SD103	10/31/92	191-24-2	Benzo(g,h,i)perylene	460 U

Date Extracted: 11/06/92
Date Analyzed: 11/12/92
Dilution Factor: 1.0

TRIP BLANKS

RINSEATE BLANKS

SOURCE WATER BLANKS

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34170K03	BT101FB	10/15/92	74-87-3	Chloromethane	1 U
34170K03	BT101FB	10/15/92	74-83-9	Bromomethane	1 U
34170K03	BT101FB	10/15/92	75-01-4	Vinyl chloride	1 U
34170K03	BT101FB	10/15/92	75-00-3	Chloroethane	1 U
34170K03	BT101FB	10/15/92	75-09-2	Methylene chloride	14 U
34170K03	BT101FB	10/15/92	67-64-1	Acetone	5 U
34170K03	BT101FB	10/15/92	75-15-0	Carbon disulfide	1 U
34170K03	BT101FB	10/15/92	75-35-4	1,1-Dichloroethene	1 U
34170K03	BT101FB	10/15/92	75-34-3	1,1-Dichloroethane	1 U
34170K03	BT101FB	10/15/92	540-59-0	cis-1,2-Dichloroethene	1 U
34170K03	BT101FB	10/15/92	156-60-5	trans-1,2-Dichloroethene	1 U
34170K03	BT101FB	10/15/92	67-66-3	Chloroform	1 U
34170K03	BT101FB	10/15/92	107-06-2	1,2-Dichloroethane	1 U
34170K03	BT101FB	10/15/92	78-93-3	2-Butanone	5 U
34170K03	BT101FB	10/15/92	71-55-6	1,1,1-Trichloroethane	1 U
34170K03	BT101FB	10/15/92	56-23-5	Carbon tetrachloride	1 U
34170K03	BT101FB	10/15/92	75-27-4	Bromodichloromethane	1 U
34170K03	BT101FB	10/15/92	78-87-5	1,2-Dichloropropane	1 U
34170K03	BT101FB	10/15/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34170K03	BT101FB	10/15/92	79-01-6	Trichloroethene	1 U
34170K03	BT101FB	10/15/92	124-48-1	Dibromochloromethane	1 U
34170K03	BT101FB	10/15/92	79-00-5	1,1,2-Trichloroethane	1 U
34170K03	BT101FB	10/15/92	71-43-2	Benzene	1 U
34170K03	BT101FB	10/15/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34170K03	BT101FB	10/15/92	75-25-2	Bromoform	1 U
34170K03	BT101FB	10/15/92	591-78-6	2-Hexanone	5 U
34170K03	BT101FB	10/15/92	108-10-1	4-Methyl-2-pentanone	5 U
34170K03	BT101FB	10/15/92	127-18-4	Tetrachloroethene	1 U
34170K03	BT101FB	10/15/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34170K03	BT101FB	10/15/92	108-88-3	Toluene	1 U
34170K03	BT101FB	10/15/92	108-90-7	Chlorobenzene	1 U
34170K03	BT101FB	10/15/92	100-41-4	Ethylbenzene	1 U
34170K03	BT101FB	10/15/92	100-42-5	Styrene	1 U
34170K03	BT101FB	10/15/92	1330-20-7	Xylenes (total)	1 U
34170K03	BT101FB	10/15/92	541-73-1	1,3-Dichlorobenzene	1 U
34170K03	BT101FB	10/15/92	106-46-7	1,4-Dichlorobenzene	1 U
34170K03	BT101FB	10/15/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 10/20/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34171K03	BT102FB	10/16/92	74-87-3	Chloromethane	1 U
34171K03	BT102FB	10/16/92	74-83-9	Bromomethane	1 U
34171K03	BT102FB	10/16/92	75-01-4	Vinyl chloride	1 U
34171K03	BT102FB	10/16/92	75-00-3	Chloroethane	1 U
34171K03	BT102FB	10/16/92	75-09-2	Methylene chloride	17 U
34171K03	BT102FB	10/16/92	67-64-1	Acetone	5 U
34171K03	BT102FB	10/16/92	75-15-0	Carbon disulfide	1 U
34171K03	BT102FB	10/16/92	75-35-4	1,1-Dichloroethene	1 U
34171K03	BT102FB	10/16/92	75-34-3	1,1-Dichloroethane	1 U
34171K03	BT102FB	10/16/92	540-59-0	cis-1,2-Dichloroethene	1 U
34171K03	BT102FB	10/16/92	156-60-5	trans-1,2-Dichloroethene	1 U
34171K03	BT102FB	10/16/92	67-66-3	Chloroform	1 U
34171K03	BT102FB	10/16/92	107-06-2	1,2-Dichloroethane	1 U
34171K03	BT102FB	10/16/92	78-93-3	2-Butanone	5 U
34171K03	BT102FB	10/16/92	71-55-6	1,1,1-Trichloroethane	1 U
34171K03	BT102FB	10/16/92	56-23-5	Carbon tetrachloride	1 U
34171K03	BT102FB	10/16/92	75-27-4	Bromodichloromethane	1 U
34171K03	BT102FB	10/16/92	78-87-5	1,2-Dichloropropane	1 U
34171K03	BT102FB	10/16/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34171K03	BT102FB	10/16/92	79-01-6	Trichloroethene	1 U
34171K03	BT102FB	10/16/92	124-48-1	Dibromochloromethane	1 U
34171K03	BT102FB	10/16/92	79-00-5	1,1,2-Trichloroethane	1 U
34171K03	BT102FB	10/16/92	71-43-2	Benzene	1 U
34171K03	BT102FB	10/16/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34171K03	BT102FB	10/16/92	75-25-2	Bromoform	1 U
34171K03	BT102FB	10/16/92	591-78-6	2-Hexanone	5 U
34171K03	BT102FB	10/16/92	108-10-1	4-Methyl-2-pentanone	5 U
34171K03	BT102FB	10/16/92	127-18-4	Tetrachloroethene	1 U
34171K03	BT102FB	10/16/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34171K03	BT102FB	10/16/92	108-88-3	Toluene	1 U
34171K03	BT102FB	10/16/92	108-90-7	Chlorobenzene	1 U
34171K03	BT102FB	10/16/92	100-41-4	Ethylbenzene	1 U
34171K03	BT102FB	10/16/92	100-42-5	Styrene	1 U
34171K03	BT102FB	10/16/92	1330-20-7	Xylenes (total)	1 U
34171K03	BT102FB	10/16/92	541-73-1	1,3-Dichlorobenzene	1 U
34171K03	BT102FB	10/16/92	106-46-7	1,4-Dichlorobenzene	1 U
34171K03	BT102FB	10/16/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 10/20/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34178K03	BT103FB	10/17/92	74-87-3	Chloromethane	1 U
34178K03	BT103FB	10/17/92	74-83-9	Bromomethane	1 U
34178K03	BT103FB	10/17/92	75-01-4	Vinyl chloride	1 U
34178K03	BT103FB	10/17/92	75-00-3	Chloroethane	1 U
34178K03	BT103FB	10/17/92	75-09-2	Methylene chloride	15 U
34178K03	BT103FB	10/17/92	67-64-1	Acetone	5 U
34178K03	BT103FB	10/17/92	75-15-0	Carbon disulfide	1 U
34178K03	BT103FB	10/17/92	75-35-4	1,1-Dichloroethene	1 U
34178K03	BT103FB	10/17/92	75-34-3	1,1-Dichloroethane	1 U
34178K03	BT103FB	10/17/92	540-59-0	cis-1,2-Dichloroethene	1 U
34178K03	BT103FB	10/17/92	156-60-5	trans-1,2-Dichloroethene	1 U
34178K03	BT103FB	10/17/92	67-66-3	Chloroform	1 U
34178K03	BT103FB	10/17/92	107-06-2	1,2-Dichloroethane	1 U
34178K03	BT103FB	10/17/92	78-93-3	2-Butanone	5 U
34178K03	BT103FB	10/17/92	71-55-6	1,1,1-Trichloroethane	1 U
34178K03	BT103FB	10/17/92	56-23-5	Carbon tetrachloride	1 U
34178K03	BT103FB	10/17/92	75-27-4	Bromodichloromethane	1 U
34178K03	BT103FB	10/17/92	78-87-5	1,2-Dichloropropane	1 U
34178K03	BT103FB	10/17/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34178K03	BT103FB	10/17/92	79-01-6	Trichloroethene	1 U
34178K03	BT103FB	10/17/92	124-48-1	Dibromochloromethane	1 U
34178K03	BT103FB	10/17/92	79-00-5	1,1,2-Trichloroethane	1 U
34178K03	BT103FB	10/17/92	71-43-2	Benzene	1 U
34178K03	BT103FB	10/17/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34178K03	BT103FB	10/17/92	75-25-2	Bromoform	1 U
34178K03	BT103FB	10/17/92	591-78-6	2-Hexanone	5 U
34178K03	BT103FB	10/17/92	108-10-1	4-Methyl-2-pentanone	5 U
34178K03	BT103FB	10/17/92	127-18-4	Tetrachloroethene	1 U
34178K03	BT103FB	10/17/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34178K03	BT103FB	10/17/92	108-88-3	Toluene	1 U
34178K03	BT103FB	10/17/92	108-90-7	Chlorobenzene	1 U
34178K03	BT103FB	10/17/92	100-41-4	Ethylbenzene	1 U
34178K03	BT103FB	10/17/92	100-42-5	Styrene	1 U
34178K03	BT103FB	10/17/92	1330-20-7	Xylenes (total)	1 U
34178K03	BT103FB	10/17/92	541-73-1	1,3-Dichlorobenzene	1 U
34178K03	BT103FB	10/17/92	106-46-7	1,4-Dichlorobenzene	1 U
34178K03	BT103FB	10/17/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 10/20/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34189K03	BT104FB	10/19/92	74-87-3	Chloromethane	1 U
34189K03	BT104FB	10/19/92	74-83-9	Bromomethane	1 U
34189K03	BT104FB	10/19/92	75-01-4	Vinyl chloride	1 U
34189K03	BT104FB	10/19/92	75-00-3	Chloroethane	1 U
34189K03	BT104FB	10/19/92	75-09-2	Methylene chloride	5 U
34189K03	BT104FB	10/19/92	67-64-1	Acetone	5 U
34189K03	BT104FB	10/19/92	75-15-0	Carbon disulfide	1 U
34189K03	BT104FB	10/19/92	75-35-4	1,1-Dichloroethene	1 U
34189K03	BT104FB	10/19/92	75-34-3	1,1-Dichloroethane	1 U
34189K03	BT104FB	10/19/92	540-59-0	cis-1,2-Dichloroethene	1 U
34189K03	BT104FB	10/19/92	156-60-5	trans-1,2-Dichloroethene	1 U
34189K03	BT104FB	10/19/92	67-66-3	Chloroform	1 U
34189K03	BT104FB	10/19/92	107-06-2	1,2-Dichloroethane	1 U
34189K03	BT104FB	10/19/92	78-93-3	2-Butanone	5 U
34189K03	BT104FB	10/19/92	71-55-6	1,1,1-Trichloroethane	1 U
34189K03	BT104FB	10/19/92	56-23-5	Carbon tetrachloride	1 U
34189K03	BT104FB	10/19/92	75-27-4	Bromodichloromethane	1 U
34189K03	BT104FB	10/19/92	78-87-5	1,2-Dichloropropane	1 U
34189K03	BT104FB	10/19/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34189K03	BT104FB	10/19/92	79-01-6	Trichloroethene	1 U
34189K03	BT104FB	10/19/92	124-48-1	Dibromochloromethane	1 U
34189K03	BT104FB	10/19/92	79-00-5	1,1,2-Trichloroethane	1 U
34189K03	BT104FB	10/19/92	71-43-2	Benzene	1 U
34189K03	BT104FB	10/19/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34189K03	BT104FB	10/19/92	75-25-2	Bromoform	1 U
34189K03	BT104FB	10/19/92	591-78-6	2-Hexanone	5 U
34189K03	BT104FB	10/19/92	108-10-1	4-Methyl-2-pentanone	5 U
34189K03	BT104FB	10/19/92	127-18-4	Tetrachloroethene	1 U
34189K03	BT104FB	10/19/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34189K03	BT104FB	10/19/92	108-88-3	Toluene	1 U
34189K03	BT104FB	10/19/92	108-90-7	Chlorobenzene	1 U
34189K03	BT104FB	10/19/92	100-41-4	Ethylbenzene	1 U
34189K03	BT104FB	10/19/92	100-42-5	Styrene	1 U
34189K03	BT104FB	10/19/92	1330-20-7	Xylenes (total)	1 U
34189K03	BT104FB	10/19/92	541-73-1	1,3-Dichlorobenzene	1 U
34189K03	BT104FB	10/19/92	106-46-7	1,4-Dichlorobenzene	1 U
34189K03	BT104FB	10/19/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 10/23/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34198K05	BT105FB	10/20/92	74-87-3	Chloromethane	1 U
34198K05	BT105FB	10/20/92	74-83-9	Bromomethane	1 U
34198K05	BT105FB	10/20/92	75-01-4	Vinyl chloride	1 U
34198K05	BT105FB	10/20/92	75-00-3	Chloroethane	1 U
34198K05	BT105FB	10/20/92	75-09-2	Methylene chloride	10 U
34198K05	BT105FB	10/20/92	67-64-1	Acetone	5 U
34198K05	BT105FB	10/20/92	75-15-0	Carbon disulfide	1 U
34198K05	BT105FB	10/20/92	75-35-4	1,1-Dichloroethene	1 U
34198K05	BT105FB	10/20/92	75-34-3	1,1-Dichloroethane	1 U
34198K05	BT105FB	10/20/92	540-59-0	cis-1,2-Dichloroethene	1 U
34198K05	BT105FB	10/20/92	156-60-5	trans-1,2-Dichloroethene	1 U
34198K05	BT105FB	10/20/92	67-66-3	Chloroform	1 U
34198K05	BT105FB	10/20/92	107-06-2	1,2-Dichloroethane	1 U
34198K05	BT105FB	10/20/92	78-93-3	2-Butanone	5 U
34198K05	BT105FB	10/20/92	71-55-6	1,1,1-Trichloroethane	1 U
34198K05	BT105FB	10/20/92	56-23-5	Carbon tetrachloride	1 U
34198K05	BT105FB	10/20/92	75-27-4	Bromodichloromethane	1 U
34198K05	BT105FB	10/20/92	78-87-5	1,2-Dichloropropane	1 U
34198K05	BT105FB	10/20/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34198K05	BT105FB	10/20/92	79-01-6	Trichloroethene	1 U
34198K05	BT105FB	10/20/92	124-48-1	Dibromochloromethane	1 U
34198K05	BT105FB	10/20/92	79-00-5	1,1,2-Trichloroethane	1 U
34198K05	BT105FB	10/20/92	71-43-2	Benzene	1 U
34198K05	BT105FB	10/20/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34198K05	BT105FB	10/20/92	75-25-2	Bromoform	1 U
34198K05	BT105FB	10/20/92	591-78-6	2-Hexanone	5 U
34198K05	BT105FB	10/20/92	108-10-1	4-Methyl-2-pentanone	5 U
34198K05	BT105FB	10/20/92	127-18-4	Tetrachloroethene	1 U
34198K05	BT105FB	10/20/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34198K05	BT105FB	10/20/92	108-88-3	Toluene	1 U
34198K05	BT105FB	10/20/92	108-90-7	Chlorobenzene	1 U
34198K05	BT105FB	10/20/92	100-41-4	Ethylbenzene	1 U
34198K05	BT105FB	10/20/92	100-42-5	Styrene	1 U
34198K05	BT105FB	10/20/92	1330-20-7	Xylenes (total)	1 U
34198K05	BT105FB	10/20/92	541-73-1	1,3-Dichlorobenzene	1 U
34198K05	BT105FB	10/20/92	106-46-7	1,4-Dichlorobenzene	1 U
34198K05	BT105FB	10/20/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 10/23/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34206K04	BT106FB	10/21/92	74-87-3	Chloromethane	1 U
34206K04	BT106FB	10/21/92	74-83-9	Bromomethane	1 U
34206K04	BT106FB	10/21/92	75-01-4	Vinyl chloride	1 U
34206K04	BT106FB	10/21/92	75-00-3	Chloroethane	1 U
34206K04	BT106FB	10/21/92	75-09-2	Methylene chloride	2 U
34206K04	BT106FB	10/21/92	67-64-1	Acetone	5 UJ
34206K04	BT106FB	10/21/92	75-15-0	Carbon disulfide	1 U
34206K04	BT106FB	10/21/92	75-35-4	1,1-Dichloroethene	1 U
34206K04	BT106FB	10/21/92	75-34-3	1,1-Dichloroethane	1 U
34206K04	BT106FB	10/21/92	540-59-0	cis-1,2-Dichloroethene	1 U
34206K04	BT106FB	10/21/92	156-60-5	trans-1,2-Dichloroethene	1 U
34206K04	BT106FB	10/21/92	67-66-3	Chloroform	1 U
34206K04	BT106FB	10/21/92	107-06-2	1,2-Dichloroethane	1 U
34206K04	BT106FB	10/21/92	78-93-3	2-Butanone	5 U
34206K04	BT106FB	10/21/92	71-55-6	1,1,1-Trichloroethane	1 U
34206K04	BT106FB	10/21/92	56-23-5	Carbon tetrachloride	1 U
34206K04	BT106FB	10/21/92	75-27-4	Bromodichloromethane	1 U
34206K04	BT106FB	10/21/92	78-87-5	1,2-Dichloropropane	1 U
34206K04	BT106FB	10/21/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34206K04	BT106FB	10/21/92	79-01-6	Trichloroethene	1 U
34206K04	BT106FB	10/21/92	124-48-1	Dibromochloromethane	1 U
34206K04	BT106FB	10/21/92	79-00-5	1,1,2-Trichloroethane	1 U
34206K04	BT106FB	10/21/92	71-43-2	Benzene	1 U
34206K04	BT106FB	10/21/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34206K04	BT106FB	10/21/92	75-25-2	Bromoform	1 U
34206K04	BT106FB	10/21/92	591-78-6	2-Hexanone	5 UJ
34206K04	BT106FB	10/21/92	108-10-1	4-Methyl-2-pentanone	5 U
34206K04	BT106FB	10/21/92	127-18-4	Tetrachloroethene	1 U
34206K04	BT106FB	10/21/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34206K04	BT106FB	10/21/92	108-88-3	Toluene	1 U
34206K04	BT106FB	10/21/92	108-90-7	Chlorobenzene	1 U
34206K04	BT106FB	10/21/92	100-41-4	Ethylbenzene	1 U
34206K04	BT106FB	10/21/92	100-42-5	Styrene	1 U
34206K04	BT106FB	10/21/92	1330-20-7	Xylenes (total)	1 U
34206K04	BT106FB	10/21/92	541-73-1	1,3-Dichlorobenzene	1 U
34206K04	BT106FB	10/21/92	106-46-7	1,4-Dichlorobenzene	1 U
34206K04	BT106FB	10/21/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 10/29/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34276007	BT107FB	10/28/92	74-87-3	Chloromethane	1 U
34276007	BT107FB	10/28/92	74-83-9	Bromomethane	1 U
34276007	BT107FB	10/28/92	75-01-4	Vinyl chloride	1 U
34276007	BT107FB	10/28/92	75-00-3	Chloroethane	1 U
34276007	BT107FB	10/28/92	75-09-2	Methylene chloride	27 U
34276007	BT107FB	10/28/92	67-64-1	Acetone	4 J
34276007	BT107FB	10/28/92	75-15-0	Carbon disulfide	1 U
34276007	BT107FB	10/28/92	75-35-4	1,1-Dichloroethene	1 U
34276007	BT107FB	10/28/92	75-34-3	1,1-Dichloroethane	1 U
34276007	BT107FB	10/28/92	540-59-0	cis-1,2-Dichloroethene	1 U
34276007	BT107FB	10/28/92	156-60-5	trans-1,2-Dichloroethene	1 U
34276007	BT107FB	10/28/92	67-66-3	Chloroform	1 U
34276007	BT107FB	10/28/92	107-06-2	1,2-Dichloroethane	1 U
34276007	BT107FB	10/28/92	78-93-3	2-Butanone	5 U
34276007	BT107FB	10/28/92	71-55-6	1,1,1-Trichloroethane	1 U
34276007	BT107FB	10/28/92	56-23-5	Carbon tetrachloride	1 U
34276007	BT107FB	10/28/92	75-27-4	Bromodichloromethane	1 U
34276007	BT107FB	10/28/92	78-87-5	1,2-Dichloropropane	1 U
34276007	BT107FB	10/28/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34276007	BT107FB	10/28/92	79-01-6	Trichloroethene	1 U
34276007	BT107FB	10/28/92	124-48-1	Dibromochloromethane	1 U
34276007	BT107FB	10/28/92	79-00-5	1,1,2-Trichloroethane	1 U
34276007	BT107FB	10/28/92	71-43-2	Benzene	1 U
34276007	BT107FB	10/28/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34276007	BT107FB	10/28/92	75-25-2	Bromoform	1 U
34276007	BT107FB	10/28/92	591-78-6	2-Hexanone	5 U
34276007	BT107FB	10/28/92	108-10-1	4-Methyl-2-pentanone	5 U
34276007	BT107FB	10/28/92	127-18-4	Tetrachloroethene	1 U
34276007	BT107FB	10/28/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34276007	BT107FB	10/28/92	108-88-3	Toluene	1 U
34276007	BT107FB	10/28/92	108-90-7	Chlorobenzene	1 U
34276007	BT107FB	10/28/92	100-41-4	Ethylbenzene	1 U
34276007	BT107FB	10/28/92	100-42-5	Styrene	1 U
34276007	BT107FB	10/28/92	1330-20-7	Xylenes (total)	1 U
34276007	BT107FB	10/28/92	541-73-1	1,3-Dichlorobenzene	1 U
34276007	BT107FB	10/28/92	106-46-7	1,4-Dichlorobenzene	1 U
34276007	BT107FB	10/28/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/02/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34283K03	BT108FB	10/29/92	74-87-3	Chloromethane	1 U
34283K03	BT108FB	10/29/92	74-83-9	Bromomethane	1 U
34283K03	BT108FB	10/29/92	75-01-4	Vinyl chloride	1 U
34283K03	BT108FB	10/29/92	75-00-3	Chloroethane	1 U
34283K03	BT108FB	10/29/92	75-09-2	Methylene chloride	16 U
34283K03	BT108FB	10/29/92	67-64-1	Acetone	5 U
34283K03	BT108FB	10/29/92	75-15-0	Carbon disulfide	1 U
34283K03	BT108FB	10/29/92	75-35-4	1,1-Dichloroethene	1 U
34283K03	BT108FB	10/29/92	75-34-3	1,1-Dichloroethane	1 U
34283K03	BT108FB	10/29/92	540-59-0	cis-1,2-Dichloroethene	1 U
34283K03	BT108FB	10/29/92	156-60-5	trans-1,2-Dichloroethene	1 U
34283K03	BT108FB	10/29/92	67-66-3	Chloroform	1 U
34283K03	BT108FB	10/29/92	107-06-2	1,2-Dichloroethane	1 U
34283K03	BT108FB	10/29/92	78-93-3	2-Butanone	5 U
34283K03	BT108FB	10/29/92	71-55-6	1,1,1-Trichloroethane	1 U
34283K03	BT108FB	10/29/92	56-23-5	Carbon tetrachloride	1 U
34283K03	BT108FB	10/29/92	75-27-4	Bromodichloromethane	1 U
34283K03	BT108FB	10/29/92	78-87-5	1,2-Dichloropropane	1 U
34283K03	BT108FB	10/29/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34283K03	BT108FB	10/29/92	79-01-6	Trichloroethene	1 U
34283K03	BT108FB	10/29/92	124-48-1	Dibromochloromethane	1 U
34283K03	BT108FB	10/29/92	79-00-5	1,1,2-Trichloroethane	1 U
34283K03	BT108FB	10/29/92	71-43-2	Benzene	1 U
34283K03	BT108FB	10/29/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34283K03	BT108FB	10/29/92	75-25-2	Bromoform	1 U
34283K03	BT108FB	10/29/92	591-78-6	2-Hexanone	5 U
34283K03	BT108FB	10/29/92	108-10-1	4-Methyl-2-pentanone	5 U
34283K03	BT108FB	10/29/92	127-18-4	Tetrachloroethene	1 U
34283K03	BT108FB	10/29/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34283K03	BT108FB	10/29/92	108-88-3	Toluene	1 U
34283K03	BT108FB	10/29/92	108-90-7	Chlorobenzene	1 U
34283K03	BT108FB	10/29/92	100-41-4	Ethylbenzene	1 U
34283K03	BT108FB	10/29/92	100-42-5	Styrene	1 U
34283K03	BT108FB	10/29/92	1330-20-7	Xylenes (total)	1 U
34283K03	BT108FB	10/29/92	541-73-1	1,3-Dichlorobenzene	1 U
34283K03	BT108FB	10/29/92	106-46-7	1,4-Dichlorobenzene	1 U
34283K03	BT108FB	10/29/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/03/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34295K02	BT109FB	10/30/92	74-87-3	Chloromethane	1 U
34295K02	BT109FB	10/30/92	74-83-9	Bromomethane	1 U
34295K02	BT109FB	10/30/92	75-01-4	Vinyl chloride	1 U
34295K02	BT109FB	10/30/92	75-00-3	Chloroethane	1 U
34295K02	BT109FB	10/30/92	75-09-2	Methylene chloride	4 U
34295K02	BT109FB	10/30/92	67-64-1	Acetone	4 J
34295K02	BT109FB	10/30/92	75-15-0	Carbon disulfide	1 U
34295K02	BT109FB	10/30/92	75-35-4	1,1-Dichloroethene	1 U
34295K02	BT109FB	10/30/92	75-34-3	1,1-Dichloroethane	1 U
34295K02	BT109FB	10/30/92	540-59-0	cis-1,2-Dichloroethene	1 U
34295K02	BT109FB	10/30/92	156-60-5	trans-1,2-Dichloroethene	1 U
34295K02	BT109FB	10/30/92	67-66-3	Chloroform	1 U
34295K02	BT109FB	10/30/92	107-06-2	1,2-Dichloroethane	1 U
34295K02	BT109FB	10/30/92	78-93-3	2-Butanone	5 U
34295K02	BT109FB	10/30/92	71-55-6	1,1,1-Trichloroethane	1 U
34295K02	BT109FB	10/30/92	56-23-5	Carbon tetrachloride	1 U
34295K02	BT109FB	10/30/92	75-27-4	Bromodichloromethane	1 U
34295K02	BT109FB	10/30/92	78-87-5	1,2-Dichloropropane	1 U
34295K02	BT109FB	10/30/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34295K02	BT109FB	10/30/92	79-01-6	Trichloroethene	1 U
34295K02	BT109FB	10/30/92	124-48-1	Dibromochloromethane	1 U
34295K02	BT109FB	10/30/92	79-00-5	1,1,2-Trichloroethane	1 U
34295K02	BT109FB	10/30/92	71-43-2	Benzene	1 U
34295K02	BT109FB	10/30/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34295K02	BT109FB	10/30/92	75-25-2	Bromoform	1 U
34295K02	BT109FB	10/30/92	591-78-6	2-Hexanone	5 U
34295K02	BT109FB	10/30/92	108-10-1	4-Methyl-2-pentanone	5 U
34295K02	BT109FB	10/30/92	127-18-4	Tetrachloroethene	1 U
34295K02	BT109FB	10/30/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34295K02	BT109FB	10/30/92	108-88-3	Toluene	1 U
34295K02	BT109FB	10/30/92	108-90-7	Chlorobenzene	1 U
34295K02	BT109FB	10/30/92	100-41-4	Ethylbenzene	1 U
34295K02	BT109FB	10/30/92	100-42-5	Styrene	1 U
34295K02	BT109FB	10/30/92	1330-20-7	Xylenes (total)	1 U
34295K02	BT109FB	10/30/92	541-73-1	1,3-Dichlorobenzene	1 U
34295K02	BT109FB	10/30/92	106-46-7	1,4-Dichlorobenzene	1 U
34295K02	BT109FB	10/30/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/03/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34302K09	BT11OFB	10/31/92	74-87-3	Chloromethane	1 U
34302K09	BT11OFB	10/31/92	74-83-9	Bromomethane	1 U
34302K09	BT11OFB	10/31/92	75-01-4	Vinyl chloride	1 U
34302K09	BT11OFB	10/31/92	75-00-3	Chloroethane	1 U
34302K09	BT11OFB	10/31/92	75-09-2	Methylene chloride	8 U
34302K09	BT11OFB	10/31/92	67-64-1	Acetone	5 U
34302K09	BT11OFB	10/31/92	75-15-0	Carbon disulfide	1 U
34302K09	BT11OFB	10/31/92	75-35-4	1,1-Dichloroethene	1 U
34302K09	BT11OFB	10/31/92	75-34-3	1,1-Dichloroethane	1 U
34302K09	BT11OFB	10/31/92	540-59-0	cis-1,2-Dichloroethene	1 U
34302K09	BT11OFB	10/31/92	156-60-5	trans-1,2-Dichloroethene	1 U
34302K09	BT11OFB	10/31/92	67-66-3	Chloroform	1 U
34302K09	BT11OFB	10/31/92	107-06-2	1,2-Dichloroethane	1 U
34302K09	BT11OFB	10/31/92	78-93-3	2-Butanone	5 U
34302K09	BT11OFB	10/31/92	71-55-6	1,1,1-Trichloroethane	1 U
34302K09	BT11OFB	10/31/92	56-23-5	Carbon tetrachloride	1 U
34302K09	BT11OFB	10/31/92	75-27-4	Bromodichloromethane	1 U
34302K09	BT11OFB	10/31/92	78-87-5	1,2-Dichloropropane	1 U
34302K09	BT11OFB	10/31/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34302K09	BT11OFB	10/31/92	79-01-6	Trichloroethene	1 U
34302K09	BT11OFB	10/31/92	124-48-1	Dibromochloromethane	1 U
34302K09	BT11OFB	10/31/92	79-00-5	1,1,2-Trichloroethane	1 U
34302K09	BT11OFB	10/31/92	71-43-2	Benzene	1 U
34302K09	BT11OFB	10/31/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34302K09	BT11OFB	10/31/92	75-25-2	Bromoform	1 U
34302K09	BT11OFB	10/31/92	591-78-6	2-Hexanone	5 U
34302K09	BT11OFB	10/31/92	108-10-1	4-Methyl-2-pentanone	5 U
34302K09	BT11OFB	10/31/92	127-18-4	Tetrachloroethene	1 U
34302K09	BT11OFB	10/31/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34302K09	BT11OFB	10/31/92	108-88-3	Toluene	1 U
34302K09	BT11OFB	10/31/92	108-90-7	Chlorobenzene	1 U
34302K09	BT11OFB	10/31/92	100-41-4	Ethylbenzene	1 U
34302K09	BT11OFB	10/31/92	100-42-5	Styrene	1 U
34302K09	BT11OFB	10/31/92	1330-20-7	Xylenes (total)	1 U
34302K09	BT11OFB	10/31/92	541-73-1	1,3-Dichlorobenzene	1 U
34302K09	BT11OFB	10/31/92	106-46-7	1,4-Dichlorobenzene	1 U
34302K09	BT11OFB	10/31/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/03/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34311K08	BT111FB	11/02/92	74-87-3	Chloromethane	1 U
34311K08	BT111FB	11/02/92	74-83-9	Bromomethane	1 U
34311K08	BT111FB	11/02/92	75-01-4	Vinyl chloride	1 U
34311K08	BT111FB	11/02/92	75-00-3	Chloroethane	1 U
34311K08	BT111FB	11/02/92	75-09-2	Methylene chloride	6 U
34311K08	BT111FB	11/02/92	67-64-1	Acetone	5 U
34311K08	BT111FB	11/02/92	75-15-0	Carbon disulfide	1 U
34311K08	BT111FB	11/02/92	75-35-4	1,1-Dichloroethene	1 U
34311K08	BT111FB	11/02/92	75-34-3	1,1-Dichloroethane	1 U
34311K08	BT111FB	11/02/92	540-59-0	cis-1,2-Dichloroethene	1 U
34311K08	BT111FB	11/02/92	156-60-5	trans-1,2-Dichloroethene	1 U
34311K08	BT111FB	11/02/92	67-66-3	Chloroform	1 U
34311K08	BT111FB	11/02/92	107-06-2	1,2-Dichloroethane	1 U
34311K08	BT111FB	11/02/92	78-93-3	2-Butanone	5 U
34311K08	BT111FB	11/02/92	71-55-6	1,1,1-Trichloroethane	1 U
34311K08	BT111FB	11/02/92	56-23-5	Carbon tetrachloride	1 U
34311K08	BT111FB	11/02/92	75-27-4	Bromodichloromethane	1 U
34311K08	BT111FB	11/02/92	78-87-5	1,2-Dichloropropane	1 U
34311K08	BT111FB	11/02/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34311K08	BT111FB	11/02/92	79-01-6	Trichloroethene	1 U
34311K08	BT111FB	11/02/92	124-48-1	Dibromochloromethane	1 U
34311K08	BT111FB	11/02/92	79-00-5	1,1,2-Trichloroethane	1 U
34311K08	BT111FB	11/02/92	71-43-2	Benzene	1 U
34311K08	BT111FB	11/02/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34311K08	BT111FB	11/02/92	75-25-2	Bromoform	1 U
34311K08	BT111FB	11/02/92	591-78-6	2-Hexanone	5 U
34311K08	BT111FB	11/02/92	108-10-1	4-Methyl-2-pentanone	5 U
34311K08	BT111FB	11/02/92	127-18-4	Tetrachloroethene	1 U
34311K08	BT111FB	11/02/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34311K08	BT111FB	11/02/92	108-88-3	Toluene	1 U
34311K08	BT111FB	11/02/92	108-90-7	Chlorobenzene	1 U
34311K08	BT111FB	11/02/92	100-41-4	Ethylbenzene	1 U
34311K08	BT111FB	11/02/92	100-42-5	Styrene	1 U
34311K08	BT111FB	11/02/92	1330-20-7	Xylenes (total)	1 U
34311K08	BT111FB	11/02/92	541-73-1	1,3-Dichlorobenzene	1 U
34311K08	BT111FB	11/02/92	106-46-7	1,4-Dichlorobenzene	1 U
34311K08	BT111FB	11/02/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/05/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34329K08	BT112FB	11/03/92	74-87-3	Chloromethane	1 U
34329K08	BT112FB	11/03/92	74-83-9	Bromomethane	1 U
34329K08	BT112FB	11/03/92	75-01-4	Vinyl chloride	1 U
34329K08	BT112FB	11/03/92	75-00-3	Chloroethane	1 U
34329K08	BT112FB	11/03/92	75-09-2	Methylene chloride	10 U
34329K08	BT112FB	11/03/92	67-64-1	Acetone	5 U
34329K08	BT112FB	11/03/92	75-15-0	Carbon disulfide	1 U
34329K08	BT112FB	11/03/92	75-35-4	1,1-Dichloroethene	1 U
34329K08	BT112FB	11/03/92	75-34-3	1,1-Dichloroethane	1 U
34329K08	BT112FB	11/03/92	540-59-0	cis-1,2-Dichloroethene	1 U
34329K08	BT112FB	11/03/92	156-60-5	trans-1,2-Dichloroethene	1 U
34329K08	BT112FB	11/03/92	67-66-3	Chloroform	1 U
34329K08	BT112FB	11/03/92	107-06-2	1,2-Dichloroethane	1 U
34329K08	BT112FB	11/03/92	78-93-3	2-Butanone	5 U
34329K08	BT112FB	11/03/92	71-55-6	1,1,1-Trichloroethane	1 U
34329K08	BT112FB	11/03/92	56-23-5	Carbon tetrachloride	1 U
34329K08	BT112FB	11/03/92	75-27-4	Bromodichloromethane	1 U
34329K08	BT112FB	11/03/92	78-87-5	1,2-Dichloropropane	1 U
34329K08	BT112FB	11/03/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34329K08	BT112FB	11/03/92	79-01-6	Trichloroethene	1 U
34329K08	BT112FB	11/03/92	124-48-1	Dibromochloromethane	1 U
34329K08	BT112FB	11/03/92	79-00-5	1,1,2-Trichloroethane	1 U
34329K08	BT112FB	11/03/92	71-43-2	Benzene	1 U
34329K08	BT112FB	11/03/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34329K08	BT112FB	11/03/92	75-25-2	Bromoform	1 U
34329K08	BT112FB	11/03/92	591-78-6	2-Hexanone	5 U
34329K08	BT112FB	11/03/92	108-10-1	4-Methyl-2-pentanone	5 U
34329K08	BT112FB	11/03/92	127-18-4	Tetrachloroethene	1 U
34329K08	BT112FB	11/03/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34329K08	BT112FB	11/03/92	108-88-3	Toluene	1 U
34329K08	BT112FB	11/03/92	108-90-7	Chlorobenzene	1 U
34329K08	BT112FB	11/03/92	100-41-4	Ethylbenzene	1 U
34329K08	BT112FB	11/03/92	100-42-5	Styrene	1 U
34329K08	BT112FB	11/03/92	1330-20-7	Xylenes (total)	1 U
34329K08	BT112FB	11/03/92	541-73-1	1,3-Dichlorobenzene	1 U
34329K08	BT112FB	11/03/92	106-46-7	1,4-Dichlorobenzene	1 U
34329K08	BT112FB	11/03/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/05/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34337K04	BT113FB	11/04/92	74-87-3	Chloromethane	1 U
34337K04	BT113FB	11/04/92	74-83-9	Bromomethane	1 U
34337K04	BT113FB	11/04/92	75-01-4	Vinyl chloride	1 U
34337K04	BT113FB	11/04/92	75-00-3	Chloroethane	1 U
34337K04	BT113FB	11/04/92	75-09-2	Methylene chloride	5 U
34337K04	BT113FB	11/04/92	67-64-1	Acetone	5 U
34337K04	BT113FB	11/04/92	75-15-0	Carbon disulfide	1 U
34337K04	BT113FB	11/04/92	75-35-4	1,1-Dichloroethene	1 U
34337K04	BT113FB	11/04/92	75-34-3	1,1-Dichloroethane	1 U
34337K04	BT113FB	11/04/92	540-59-0	cis-1,2-Dicnloroethene	1 U
34337K04	BT113FB	11/04/92	156-60-5	trans-1,2-Dichloroethene	1 U
34337K04	BT113FB	11/04/92	67-66-3	Chloroform	1 U
34337K04	BT113FB	11/04/92	107-06-2	1,2-Dichloroethane	1 U
34337K04	BT113FB	11/04/92	78-93-3	2-Butanone	5 U
34337K04	BT113FB	11/04/92	71-55-6	1,1,1-Trichloroethane	1 U
34337K04	BT113FB	11/04/92	56-23-5	Carbon tetrachloride	1 U
34337K04	BT113FB	11/04/92	75-27-4	Bromodichloromethane	1 U
34337K04	BT113FB	11/04/92	78-87-5	1,2-Dichloropropane	1 U
34337K04	BT113FB	11/04/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34337K04	BT113FB	11/04/92	79-01-6	Trichloroethene	1 U
34337K04	BT113FB	11/04/92	124-48-1	Dibromochloromethane	1 U
34337K04	BT113FB	11/04/92	79-00-5	1,1,2-Trichloroethane	1 U
34337K04	BT113FB	11/04/92	71-43-2	Benzene	1 U
34337K04	BT113FB	11/04/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34337K04	BT113FB	11/04/92	75-25-2	Bromoform	1 U
34337K04	BT113FB	11/04/92	591-78-6	2-Hexanone	5 U
34337K04	BT113FB	11/04/92	108-10-1	4-Methyl-2-pentanone	5 U
34337K04	BT113FB	11/04/92	127-18-4	Tetrachloroethene	1 U
34337K04	BT113FB	11/04/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34337K04	BT113FB	11/04/92	108-88-3	Toluene	1 U
34337K04	BT113FB	11/04/92	108-90-7	Chlorobenzene	1 U
34337K04	BT113FB	11/04/92	100-41-4	Ethylbenzene	1 U
34337K04	BT113FB	11/04/92	100-42-5	Styrene	1 U
34337K04	BT113FB	11/04/92	1330-20-7	Xylenes (total)	1 U
34337K04	BT113FB	11/04/92	541-73-1	1,3-Dichlorobenzene	1 U
34337K04	BT113FB	11/04/92	106-46-7	1,4-Dichlorobenzene	1 U
34337K04	BT113FB	11/04/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/09/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34412K04	BT114FB	11/13/92	74-87-3	Chloromethane	1 U
34412K04	BT114FB	11/13/92	74-83-9	Bromomethane	1 U
34412K04	BT114FB	11/13/92	75-01-4	Vinyl chloride	1 U
34412K04	BT114FB	11/13/92	75-00-3	Chloroethane	1 U
34412K04	BT114FB	11/13/92	75-09-2	Methylene chloride	15 J
34412K04	BT114FB	11/13/92	67-64-1	Acetone	5 U
34412K04	BT114FB	11/13/92	75-15-0	Carbon disulfide	1 U
34412K04	BT114FB	11/13/92	75-35-4	1,1-Dichloroethene	1 U
34412K04	BT114FB	11/13/92	75-34-3	1,1-Dichloroethane	1 U
34412K04	BT114FB	11/13/92	540-59-0	cis-1,2-Dichloroethene	1 U
34412K04	BT114FB	11/13/92	156-60-5	trans-1,2-Dichloroethene	1 U
34412K04	BT114FB	11/13/92	67-66-3	Chloroform	1 U
34412K04	BT114FB	11/13/92	107-06-2	1,2-Dichloroethane	1 U
34412K04	BT114FB	11/13/92	78-93-3	2-Butanone	5 U
34412K04	BT114FB	11/13/92	71-55-6	1,1,1-Trichloroethane	1 U
34412K04	BT114FB	11/13/92	56-23-5	Carbon tetrachloride	1 U
34412K04	BT114FB	11/13/92	75-27-4	Bromodichloromethane	1 U
34412K04	BT114FB	11/13/92	78-87-5	1,2-Dichloropropane	1 U
34412K04	BT114FB	11/13/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34412K04	BT114FB	11/13/92	79-01-6	Trichloroethene	1 U
34412K04	BT114FB	11/13/92	124-48-1	Dibromochloromethane	1 U
34412K04	BT114FB	11/13/92	79-00-5	1,1,2-Trichloroethane	1 U
34412K04	BT114FB	11/13/92	71-43-2	Benzene	1 U
34412K04	BT114FB	11/13/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34412K04	BT114FB	11/13/92	75-25-2	Bromoform	1 U
34412K04	BT114FB	11/13/92	591-78-6	2-Hexanone	5 U
34412K04	BT114FB	11/13/92	108-10-1	4-Methyl-2-pentanone	5 U
34412K04	BT114FB	11/13/92	127-18-4	Tetrachloroethene	1 U
34412K04	BT114FB	11/13/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34412K04	BT114FB	11/13/92	108-88-3	Toluene	1 U
34412K04	BT114FB	11/13/92	108-90-7	Chlorobenzene	1 U
34412K04	BT114FB	11/13/92	100-41-4	Ethylbenzene	1 U
34412K04	BT114FB	11/13/92	100-42-5	Styrene	1 U
34412K04	BT114FB	11/13/92	1330-20-7	Xylenes (total)	1 U
34412K04	BT114FB	11/13/92	541-73-1	1,3-Dichlorobenzene	1 U
34412K04	BT114FB	11/13/92	106-46-7	1,4-Dichlorobenzene	1 U
34412K04	BT114FB	11/13/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/17/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34438K04	BT117FB	11/16/92	74-87-3	Chloromethane	1 U
34438K04	BT117FB	11/16/92	74-83-9	Bromomethane	1 U
34438K04	BT117FB	11/16/92	75-01-4	Vinyl chloride	1 U
34438K04	BT117FB	11/16/92	75-00-3	Chloroethane	1 U
34438K04	BT117FB	11/16/92	75-09-2	Methylene chloride	4 U
34438K04	BT117FB	11/16/92	67-64-1	Acetone	5 U
34438K04	BT117FB	11/16/92	75-15-0	Carbon disulfide	1 U
34438K04	BT117FB	11/16/92	75-35-4	1,1-Dichloroethene	1 U
34438K04	BT117FB	11/16/92	75-34-3	1,1-Dichloroethane	1 U
34438K04	BT117FB	11/16/92	540-59-0	cis-1,2-Dichloroethene	1 U
34438K04	BT117FB	11/16/92	156-60-5	trans-1,2-Dichloroethene	1 U
34438K04	BT117FB	11/16/92	67-66-3	Chloroform	1 U
34438K04	BT117FB	11/16/92	107-06-2	1,2-Dichloroethane	1 U
34438K04	BT117FB	11/16/92	78-93-3	2-Butanone	5 U
34438K04	BT117FB	11/16/92	71-55-6	1,1,1-Trichloroethane	1 U
34438K04	BT117FB	11/16/92	56-23-5	Carbon tetrachloride	1 U
34438K04	BT117FB	11/16/92	75-27-4	Bromodichloromethane	1 U
34438K04	BT117FB	11/16/92	78-87-5	1,2-Dichloropropane	1 U
34438K04	BT117FB	11/16/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34438K04	BT117FB	11/16/92	79-01-6	Trichloroethene	1 U
34438K04	BT117FB	11/16/92	124-48-1	Dibromochloromethane	1 U
34438K04	BT117FB	11/16/92	79-00-5	1,1,2-Trichloroethane	1 U
34438K04	BT117FB	11/16/92	71-43-2	Benzene	1 U
34438K04	BT117FB	11/16/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34438K04	BT117FB	11/16/92	75-25-2	Bromoform	1 U
34438K04	BT117FB	11/16/92	591-78-6	2-Hexanone	5 U
34438K04	BT117FB	11/16/92	108-10-1	4-Methyl-2-pentanone	5 U
34438K04	BT117FB	11/16/92	127-18-4	Tetrachloroethene	1 U
34438K04	BT117FB	11/16/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34438K04	BT117FB	11/16/92	108-88-3	Toluene	1 U
34438K04	BT117FB	11/16/92	108-90-7	Chlorobenzene	1 U
34438K04	BT117FB	11/16/92	100-41-4	Ethylbenzene	1 U
34438K04	BT117FB	11/16/92	100-42-5	Styrene	1 U
34438K04	BT117FB	11/16/92	1330-20-7	Xylenes (total)	1 U
34438K04	BT117FB	11/16/92	541-73-1	1,3-Dichlorobenzene	1 U
34438K04	BT117FB	11/16/92	106-46-7	1,4-Dichlorobenzene	1 U
34438K04	BT117FB	11/16/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/19/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34170002	BS101ER	10/15/92	74-87-3	Chloromethane	1 U
34170002	BS101ER	10/15/92	74-83-9	Bromomethane	1 U
34170002	BS101ER	10/15/92	75-01-4	Vinyl chloride	1 U
34170002	BS101ER	10/15/92	75-00-3	Chloroethane	1 U
34170002	BS101ER	10/15/92	75-09-2	Methylene chloride	17 U
34170002	BS101ER	10/15/92	67-64-1	Acetone	22
34170002	BS101ER	10/15/92	75-15-0	Carbon disulfide	1 U
34170002	BS101ER	10/15/92	75-35-4	1,1-Dichloroethene	1 U
34170002	BS101ER	10/15/92	75-34-3	1,1-Dichloroethane	1 U
34170002	BS101ER	10/15/92	540-59-0	cis-1,2-Dichloroethene	1 U
34170002	BS101ER	10/15/92	156-60-5	trans-1,2-Dichloroethene	1 U
34170002	BS101ER	10/15/92	67-66-3	Chloroform	1 U
34170002	BS101ER	10/15/92	107-06-2	1,2-Dichloroethane	1 U
34170002	BS101ER	10/15/92	78-93-3	2-Butanone	5 U
34170002	BS101ER	10/15/92	71-55-6	1,1,1-Trichloroethane	1 U
34170002	BS101ER	10/15/92	56-23-5	Carbon tetrachloride	1 U
34170002	BS101ER	10/15/92	75-27-4	Bromodichloromethane	1 U
34170002	BS101ER	10/15/92	78-87-5	1,2-Dichloropropane	1 U
34170002	BS101ER	10/15/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34170002	BS101ER	10/15/92	79-01-6	Trichloroethene	1 U
34170002	BS101ER	10/15/92	124-48-1	Dibromochloromethane	1 U
34170002	BS101ER	10/15/92	79-00-5	1,1,2-Trichloroethane	1 U
34170002	BS101ER	10/15/92	71-43-2	Benzene	1 U
34170002	BS101ER	10/15/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34170002	BS101ER	10/15/92	75-25-2	Bromoform	1 U
34170002	BS101ER	10/15/92	591-78-6	2-Hexanone	5 U
34170002	BS101ER	10/15/92	108-10-1	4-Methyl-2-pentanone	5 U
34170002	BS101ER	10/15/92	127-18-4	Tetrachloroethene	1 U
34170002	BS101ER	10/15/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34170002	BS101ER	10/15/92	108-88-3	Toluene	1 U
34170002	BS101ER	10/15/92	108-90-7	Chlorobenzene	1 U
34170002	BS101ER	10/15/92	100-41-4	Ethylbenzene	1 U
34170002	BS101ER	10/15/92	100-42-5	Styrene	1 U
34170002	BS101ER	10/15/92	1330-20-7	Xylenes (total)	1 U
34170002	BS101ER	10/15/92	541-73-1	1,3-Dichlorobenzene	1 U
34170002	BS101ER	10/15/92	106-46-7	1,4-Dichlorobenzene	1 U
34170002	BS101ER	10/15/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 10/20/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34171K02	BS102ER	10/16/92	74-87-3	Chloromethane	1 U
34171K02	BS102ER	10/16/92	74-83-9	Bromomethane	1 U
34171K02	BS102ER	10/16/92	75-01-4	Vinyl chloride	1 U
34171K02	BS102ER	10/16/92	75-00-3	Chloroethane	1 U
34171K02	BS102ER	10/16/92	75-09-2	Methylene chloride	16 U
34171K02	BS102ER	10/16/92	67-64-1	Acetone	3 J
34171K02	BS102ER	10/16/92	75-15-0	Carbon disulfide	1 U
34171K02	BS102ER	10/16/92	75-35-4	1,1-Dichloroethene	1 U
34171K02	BS102ER	10/16/92	75-34-3	1,1-Dichloroethane	1 U
34171K02	BS102ER	10/16/92	540-59-0	cis-1,2-Dichloroethene	1 U
34171K02	BS102ER	10/16/92	156-60-5	trans-1,2-Dichloroethene	1 U
34171K02	BS102ER	10/16/92	67-66-3	Chloroform	1 U
34171K02	BS102ER	10/16/92	107-06-2	1,2-Dichloroethane	1 U
34171K02	BS102ER	10/16/92	78-93-3	2-Butanone	5 U
34171K02	BS102ER	10/16/92	71-55-6	1,1,1-Trichloroethane	1 U
34171K02	BS102ER	10/16/92	56-23-5	Carbon tetrachloride	1 U
34171K02	BS102ER	10/16/92	75-27-4	Bromodichloromethane	1 U
34171K02	BS102ER	10/16/92	78-87-5	1,2-Dichloropropane	1 U
34171K02	BS102ER	10/16/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34171K02	BS102ER	10/16/92	79-01-6	Trichloroethene	1 U
34171K02	BS102ER	10/16/92	124-48-1	Dibromochloromethane	1 U
34171K02	BS102ER	10/16/92	79-00-5	1,1,2-Trichloroethane	1 U
34171K02	BS102ER	10/16/92	71-43-2	Benzene	1 U
34171K02	BS102ER	10/16/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34171K02	BS102ER	10/16/92	75-25-2	Bromoform	1 U
34171K02	BS102ER	10/16/92	591-78-6	2-Hexanone	5 U
34171K02	BS102ER	10/16/92	108-10-1	4-Methyl-2-pentanone	5 U
34171K02	BS102ER	10/16/92	127-18-4	Tetrachloroethene	1 U
34171K02	BS102ER	10/16/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34171K02	BS102ER	10/16/92	108-88-3	Toluene	1 U
34171K02	BS102ER	10/16/92	108-90-7	Chlorobenzene	1 U
34171K02	BS102ER	10/16/92	100-41-4	Ethylbenzene	1 U
34171K02	BS102ER	10/16/92	100-42-5	Styrene	1 U
34171K02	BS102ER	10/16/92	1330-20-7	Xylenes (total)	1 U
34171K02	BS102ER	10/16/92	541-73-1	1,3-Dichlorobenzene	1 U
34171K02	BS102ER	10/16/92	106-46-7	1,4-Dichlorobenzene	1 U
34171K02	BS102ER	10/16/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 10/20/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34178002	BS103ER	10/17/92	74-87-3	Chloromethane	1 U
34178002	BS103ER	10/17/92	74-83-9	Bromomethane	1 U
34178002	BS103ER	10/17/92	75-01-4	Vinyl chloride	1 U
34178002	BS103ER	10/17/92	75-00-3	Chloroethane	1 U
34178002	BS103ER	10/17/92	75-09-2	Methylene chloride	14 U
34178002	BS103ER	10/17/92	67-64-1	Acetone	7
34178002	BS103ER	10/17/92	75-15-0	Carbon disulfide	51
34178002	BS103ER	10/17/92	75-35-4	1,1-Dichloroethene	1 U
34178002	BS103ER	10/17/92	75-34-3	1,1-Dichloroethane	1 U
34178002	BS103ER	10/17/92	540-59-0	cis-1,2-Dichloroethene	1 U
34178002	BS103ER	10/17/92	156-60-5	trans-1,2-Dichloroethene	1 U
34178002	BS103ER	10/17/92	67-66-3	Chloroform	1 U
34178002	BS103ER	10/17/92	107-06-2	1,2-Dichloroethane	1 U
34178002	BS103ER	10/17/92	78-93-3	2-Butanone	5 U
34178002	BS103ER	10/17/92	71-55-6	1,1,1-Trichloroethane	1 U
34178002	BS103ER	10/17/92	56-23-5	Carbon tetrachloride	1 U
34178002	BS103ER	10/17/92	75-27-4	Bromodichloromethane	1 U
34178002	BS103ER	10/17/92	78-87-5	1,2-Dichloropropane	1 U
34178002	BS103ER	10/17/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34178002	BS103ER	10/17/92	79-01-6	Trichloroethene	1 U
34178002	BS103ER	10/17/92	124-48-1	Dibromochloromethane	1 U
34178002	BS103ER	10/17/92	79-00-5	1,1,2-Trichloroethane	1 U
34178002	BS103ER	10/17/92	71-43-2	Benzene	1 U
34178002	BS103ER	10/17/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34178002	BS103ER	10/17/92	75-25-2	Bromoform	1 U
34178002	BS103ER	10/17/92	591-78-6	2-Hexanone	5 U
34178002	BS103ER	10/17/92	108-10-1	4-Methyl-2-pentanone	5 U
34178002	BS103ER	10/17/92	127-18-4	Tetrachloroethene	1 U
34178002	BS103ER	10/17/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34178002	BS103ER	10/17/92	108-88-3	Toluene	1 U
34178002	BS103ER	10/17/92	108-90-7	Chlorobenzene	1 U
34178002	BS103ER	10/17/92	100-41-4	Ethylbenzene	1 U
34178002	BS103ER	10/17/92	100-42-5	Styrene	1 U
34178002	BS103ER	10/17/92	1330-20-7	Xylenes (total)	1 U
34178002	BS103ER	10/17/92	541-73-1	1,3-Dichlorobenzene	1 U
34178002	BS103ER	10/17/92	106-46-7	1,4-Dichlorobenzene	1 U
34178002	BS103ER	10/17/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 10/20/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34189002	BS0105ER	10/19/92	74-87-3	Chloromethane	1 U
34189002	BS0105ER	10/19/92	74-83-9	Bromomethane	1 U
34189002	BS0105ER	10/19/92	75-01-4	Vinyl chloride	1 U
34189002	BS0105ER	10/19/92	75-00-3	Chloroethane	1 U
34189002	BS0105ER	10/19/92	75-09-2	Methylene chloride	4 U
34189002	BS0105ER	10/19/92	67-64-1	Acetone	5 U
34189002	BS0105ER	10/19/92	75-15-0	Carbon disulfide	1 U
34189002	BS0105ER	10/19/92	75-35-4	1,1-Dichloroethene	1 U
34189002	BS0105ER	10/19/92	75-34-3	1,1-Dichloroethane	1 U
34189002	BS0105ER	10/19/92	540-59-0	cis-1,2-Dichloroethene	1 U
34189002	BS0105ER	10/19/92	156-60-5	trans-1,2-Dichloroethene	1 U
34189002	BS0105ER	10/19/92	67-66-3	Chloroform	1 U
34189002	BS0105ER	10/19/92	107-06-2	1,2-Dichloroethane	1 U
34189002	BS0105ER	10/19/92	78-93-3	2-Butanone	5 U
34189002	BS0105ER	10/19/92	71-55-6	1,1,1-Trichloroethane	1 U
34189002	BS0105ER	10/19/92	56-23-5	Carbon tetrachloride	1 U
34189002	BS0105ER	10/19/92	75-27-4	Bromodichloromethane	1 U
34189002	BS0105ER	10/19/92	78-87-5	1,2-Dichloropropane	1 U
34189002	BS0105ER	10/19/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34189002	BS0105ER	10/19/92	79-01-6	Trichloroethene	1 U
34189002	BS0105ER	10/19/92	124-48-1	Dibromochloromethane	1 U
34189002	BS0105ER	10/19/92	79-00-5	1,1,2-Trichloroethane	1 U
34189002	BS0105ER	10/19/92	71-43-2	Benzene	1 U
34189002	BS0105ER	10/19/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34189002	BS0105ER	10/19/92	75-25-2	Bromoform	1 U
34189002	BS0105ER	10/19/92	591-78-6	2-Hexanone	5 U
34189002	BS0105ER	10/19/92	108-10-1	4-Methyl-2-pentanone	5 U
34189002	BS0105ER	10/19/92	127-18-4	Tetrachloroethene	1 U
34189002	BS0105ER	10/19/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34189002	BS0105ER	10/19/92	108-88-3	Toluene	1 U
34189002	BS0105ER	10/19/92	108-90-7	Chlorobenzene	1 U
34189002	BS0105ER	10/19/92	100-41-4	Ethylbenzene	1 U
34189002	BS0105ER	10/19/92	100-42-5	Styrene	1 U
34189002	BS0105ER	10/19/92	1330-20-7	Xylenes (total)	1 U
34189002	BS0105ER	10/19/92	541-73-1	1,3-Dichlorobenzene	1 U
34189002	BS0105ER	10/19/92	106-46-7	1,4-Dichlorobenzene	1 U
34189002	BS0105ER	10/19/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 10/23/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34206003	BS106ER	10/21/92	74-87-3	Chloromethane	1 U
34206003	BS106ER	10/21/92	74-83-9	Bromomethane	1 U
34206003	BS106ER	10/21/92	75-01-4	Vinyl chloride	1 U
34206003	BS106ER	10/21/92	75-00-3	Chloroethane	1 U
34206003	BS106ER	10/21/92	75-09-2	Methylene chloride	2 U
34206003	BS106ER	10/21/92	67-64-1	Acetone	8 J
34206003	BS106ER	10/21/92	75-15-0	Carbon disulfide	1 U
34206003	BS106ER	10/21/92	75-35-4	1,1-Dichloroethene	1 U
34206003	BS106ER	10/21/92	75-34-3	1,1-Dichloroethane	1 U
34206003	BS106ER	10/21/92	540-59-0	cis-1,2-Dichloroethene	1 U
34206003	BS106ER	10/21/92	156-60-5	trans-1,2-Dichloroethene	1 U
34206003	BS106ER	10/21/92	67-66-3	Chloroform	1 U
34206003	BS106ER	10/21/92	107-06-2	1,2-Dichloroethane	1 U
34206003	BS106ER	10/21/92	78-93-3	2-Butanone	5 U
34206003	BS106ER	10/21/92	71-55-6	1,1,1-Trichloroethane	1 U
34206003	BS106ER	10/21/92	56-23-5	Carbon tetrachloride	1 U
34206003	BS106ER	10/21/92	75-27-4	Bromodichloromethane	1 U
34206003	BS106ER	10/21/92	78-87-5	1,2-Dichloropropane	1 U
34206003	BS106ER	10/21/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34206003	BS106ER	10/21/92	79-01-6	Trichloroethene	1 U
34206003	BS106ER	10/21/92	124-48-1	Dibromochloromethane	1 U
34206003	BS106ER	10/21/92	79-00-5	1,1,2-Trichloroethane	1 U
34206003	BS106ER	10/21/92	71-43-2	Benzene	1 U
34206003	BS106ER	10/21/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34206003	BS106ER	10/21/92	75-25-2	Bromoform	1 U
34206003	BS106ER	10/21/92	591-78-6	2-Hexanone	5 U
34206003	BS106ER	10/21/92	108-10-1	4-Methyl-2-pentanone	5 U
34206003	BS106ER	10/21/92	127-18-4	Tetrachloroethene	1 U
34206003	BS106ER	10/21/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34206003	BS106ER	10/21/92	108-88-3	Toluene	1 U
34206003	BS106ER	10/21/92	108-90-7	Chlorobenzene	1 U
34206003	BS106ER	10/21/92	100-41-4	Ethylbenzene	1 U
34206003	BS106ER	10/21/92	100-42-5	Styrene	1 U
34206003	BS106ER	10/21/92	1330-20-7	Xylenes (total)	1 U
34206003	BS106ER	10/21/92	541-73-1	1,3-Dichlorobenzene	1 U
34206003	BS106ER	10/21/92	106-46-7	1,4-Dichlorobenzene	1 U
34206003	BS106ER	10/21/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 10/26/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34283K02	BS108ER	10/29/92	74-87-3	Chloromethane	1 U
34283K02	BS108ER	10/29/92	74-83-9	Bromomethane	1 U
34283K02	BS108ER	10/29/92	75-01-4	Vinyl chloride	1 U
34283K02	BS108ER	10/29/92	75-00-3	Chloroethane	1 U
34283K02	BS108ER	10/29/92	75-09-2	Methylene chloride	2 U
34283K02	BS108ER	10/29/92	67-64-1	Acetone	5 J
34283K02	BS108ER	10/29/92	75-15-0	Carbon disulfide	70
34283K02	BS108ER	10/29/92	75-35-4	1,1-Dichloroethene	1 U
34283K02	BS108ER	10/29/92	75-34-3	1,1-Dichloroethane	1 U
34283K02	BS108ER	10/29/92	540-59-0	cis-1,2-Dichloroethene	1 U
34283K02	BS108ER	10/29/92	156-60-5	trans-1,2-Dichloroethene	1 U
34283K02	BS108ER	10/29/92	67-66-3	Chloroform	1 U
34283K02	BS108ER	10/29/92	107-06-2	1,2-Dichloroethane	1 U
34283K02	BS108ER	10/29/92	78-93-3	2-Butanone	5 U
34283K02	BS108ER	10/29/92	71-55-6	1,1,1-Trichloroethane	1 U
34283K02	BS108ER	10/29/92	56-23-5	Carbon tetrachloride	1 U
34283K02	BS108ER	10/29/92	75-27-4	Bromodichloromethane	1 U
34283K02	BS108ER	10/29/92	78-87-5	1,2-Dichloropropane	1 U
34283K02	BS108ER	10/29/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34283K02	BS108ER	10/29/92	79-01-6	Trichloroethene	1 U
34283K02	BS108ER	10/29/92	124-48-1	Dibromochloromethane	1 U
34283K02	BS108ER	10/29/92	79-00-5	1,1,2-Trichloroethane	1 U
34283K02	BS108ER	10/29/92	71-43-2	Benzene	1 U
34283K02	BS108ER	10/29/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34283K02	BS108ER	10/29/92	75-25-2	Bromoform	1 U
34283K02	BS108ER	10/29/92	591-78-6	2-Hexanone	5 U
34283K02	BS108ER	10/29/92	108-10-1	4-Methyl-2-pentanone	5 U
34283K02	BS108ER	10/29/92	127-18-4	Tetrachloroethene	1 U
34283K02	BS108ER	10/29/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34283K02	BS108ER	10/29/92	108-88-3	Toluene	2
34283K02	BS108ER	10/29/92	108-90-7	Chlorobenzene	1 U
34283K02	BS108ER	10/29/92	100-41-4	Ethylbenzene	1 U
34283K02	BS108ER	10/29/92	100-42-5	Styrene	1 U
34283K02	BS108ER	10/29/92	1330-20-7	Xylenes (total)	1 U
34283K02	BS108ER	10/29/92	541-73-1	1,3-Dichlorobenzene	1 U
34283K02	BS108ER	10/29/92	106-46-7	1,4-Dichlorobenzene	1 U
34283K02	BS108ER	10/29/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/03/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34295K03	BS109ER	10/30/92	74-87-3	Chloromethane	1 U
34295K03	BS109ER	10/30/92	74-83-9	Bromomethane	1 U
34295K03	BS109ER	10/30/92	75-01-4	Vinyl chloride	1 U
34295K03	BS109ER	10/30/92	75-00-3	Chloroethane	1 U
34295K03	BS109ER	10/30/92	75-09-2	Methylene chloride	3 U
34295K03	BS109ER	10/30/92	67-64-1	Acetone	50 J
34295K03	BS109ER	10/30/92	75-15-0	Carbon disulfide	74
34295K03	BS109ER	10/30/92	75-35-4	1,1-Dichloroethene	1 U
34295K03	BS109ER	10/30/92	75-34-3	1,1-Dichloroethane	1 U
34295K03	BS109ER	10/30/92	540-59-0	cis-1,2-Dichloroethene	1 U
34295K03	BS109ER	10/30/92	156-60-5	trans-1,2-Dichloroethene	1 U
34295K03	BS109ER	10/30/92	67-66-3	Chloroform	1 U
34295K03	BS109ER	10/30/92	107-06-2	1,2-Dichloroethane	1 U
34295K03	BS109ER	10/30/92	78-93-3	2-Butanone	5 U
34295K03	BS109ER	10/30/92	71-55-6	1,1,1-Trichloroethane	1 U
34295K03	BS109ER	10/30/92	56-23-5	Carbon tetrachloride	1 U
34295K03	BS109ER	10/30/92	75-27-4	Bromodichloromethane	1 U
34295K03	BS109ER	10/30/92	78-87-5	1,2-Dichloropropane	1 U
34295K03	BS109ER	10/30/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34295K03	BS109ER	10/30/92	79-01-6	Trichloroethene	1 U
34295K03	BS109ER	10/30/92	124-48-1	Dibromochloromethane	1 U
34295K03	BS109ER	10/30/92	79-00-5	1,1,2-Trichloroethane	1 U
34295K03	BS109ER	10/30/92	71-43-2	Benzene	1 U
34295K03	BS109ER	10/30/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34295K03	BS109ER	10/30/92	75-25-2	Bromoform	1 U
34295K03	BS109ER	10/30/92	591-78-6	2-Hexanone	5 U
34295K03	BS109ER	10/30/92	108-10-1	4-Methyl-2-pentanone	5 U
34295K03	BS109ER	10/30/92	127-18-4	Tetrachloroethene	1 U
34295K03	BS109ER	10/30/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34295K03	BS109ER	10/30/92	108-88-3	Toluene	3
34295K03	BS109ER	10/30/92	108-90-7	Chlorobenzene	1 U
34295K03	BS109ER	10/30/92	100-41-4	Ethylbenzene	1 U
34295K03	BS109ER	10/30/92	100-42-5	Styrene	1 U
34295K03	BS109ER	10/30/92	1330-20-7	Xylenes (total)	1
34295K03	BS109ER	10/30/92	541-73-1	1,3-Dichlorobenzene	1 U
34295K03	BS109ER	10/30/92	106-46-7	1,4-Dichlorobenzene	1 U
34295K03	BS109ER	10/30/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/03/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34311K07	BS110ER	11/02/92	74-87-3	Chloromethane	1 U
34311K07	BS110ER	11/02/92	74-83-9	Bromomethane	1 U
34311K07	BS110ER	11/02/92	75-01-4	Vinyl chloride	1 U
34311K07	BS110ER	11/02/92	75-00-3	Chloroethane	1 U
34311K07	BS110ER	11/02/92	75-09-2	Methylene chloride	8 U
34311K07	BS110ER	11/02/92	67-64-1	Acetone	4 J
34311K07	BS110ER	11/02/92	75-15-0	Carbon disulfide	1 U
34311K07	BS110ER	11/02/92	75-35-4	1,1-Dichloroethene	1 U
34311K07	BS110ER	11/02/92	75-34-3	1,1-Dichloroethane	1 U
34311K07	BS110ER	11/02/92	540-59-0	cis-1,2-Dichloroethene	1 U
34311K07	BS110ER	11/02/92	156-60-5	trans-1,2-Dichloroethene	1 U
34311K07	BS110ER	11/02/92	67-66-3	Chloroform	1 U
34311K07	BS110ER	11/02/92	107-06-2	1,2-Dichloroethane	1 U
34311K07	BS110ER	11/02/92	78-93-3	2-Butanone	5 U
34311K07	BS110ER	11/02/92	71-55-6	1,1,1-Trichloroethane	1 U
34311K07	BS110ER	11/02/92	56-23-5	Carbon tetrachloride	1 U
34311K07	BS110ER	11/02/92	75-27-4	Bromodichloromethane	1 U
34311K07	BS110ER	11/02/92	78-87-5	1,2-Dichloropropane	1 U
34311K07	BS110ER	11/02/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34311K07	BS110ER	11/02/92	79-01-6	Trichloroethene	1 U
34311K07	BS110ER	11/02/92	124-48-1	Dibromochloromethane	1 U
34311K07	BS110ER	11/02/92	79-00-5	1,1,2-Trichloroethane	1 U
34311K07	BS110ER	11/02/92	71-43-2	Benzene	1 U
34311K07	BS110ER	11/02/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34311K07	BS110ER	11/02/92	75-25-2	Bromoform	1 U
34311K07	BS110ER	11/02/92	591-78-6	2-Hexanone	5 U
34311K07	BS110ER	11/02/92	108-10-1	4-Methyl-2-pentanone	5 U
34311K07	BS110ER	11/02/92	127-18-4	Tetrachloroethene	1 U
34311K07	BS110ER	11/02/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34311K07	BS110ER	11/02/92	108-88-3	Toluene	1 U
34311K07	BS110ER	11/02/92	108-90-7	Chlorobenzene	1 U
34311K07	BS110ER	11/02/92	100-41-4	Ethylbenzene	1 U
34311K07	BS110ER	11/02/92	100-42-5	Styrene	1 U
34311K07	BS110ER	11/02/92	1330-20-7	Xylenes (total)	1 U
34311K07	BS110ER	11/02/92	541-73-1	1,3-Dichlorobenzene	1 U
34311K07	BS110ER	11/02/92	106-46-7	1,4-Dichlorobenzene	1 U
34311K07	BS110ER	11/02/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/05/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34329009	BS111ER	11/03/92	74-87-3	Chloromethane	1 U
34329009	BS111ER	11/03/92	74-83-9	Bromomethane	1 U
34329009	BS111ER	11/03/92	75-01-4	Vinyl chloride	1 U
34329009	BS111ER	11/03/92	75-00-3	Chloroethane	1 U
34329009	BS111ER	11/03/92	75-09-2	Methylene chloride	2 U
34329009	BS111ER	11/03/92	67-64-1	Acetone	7
34329009	BS111ER	11/03/92	75-15-0	Carbon disulfide	1
34329009	BS111ER	11/03/92	75-35-4	1,1-Dichloroethene	1 U
34329009	BS111ER	11/03/92	75-34-3	1,1-Dichloroethane	1 U
34329009	BS111ER	11/03/92	540-59-0	cis-1,2-Dichloroethene	1 U
34329009	BS111ER	11/03/92	156-60-5	trans-1,2-Dichloroethene	1 U
34329009	BS111ER	11/03/92	67-66-3	Chloroform	1 U
34329009	BS111ER	11/03/92	107-06-2	1,2-Dichloroethane	1 U
34329009	BS111ER	11/03/92	78-93-3	2-Butanone	5 U
34329009	BS111ER	11/03/92	71-55-6	1,1,1-Trichloroethane	1 U
34329009	BS111ER	11/03/92	56-23-5	Carbon tetrachloride	1 U
34329009	BS111ER	11/03/92	75-27-4	Bromodichloromethane	1 U
34329009	BS111ER	11/03/92	78-87-5	1,2-Dichloropropane	1 U
34329009	BS111ER	11/03/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34329009	BS111ER	11/03/92	79-01-6	Trichloroethene	1 U
34329009	BS111ER	11/03/92	124-48-1	Dibromochloromethane	1 U
34329009	BS111ER	11/03/92	79-00-5	1,1,2-Trichloroethane	1 U
34329009	BS111ER	11/03/92	71-43-2	Benzene	1 U
34329009	BS111ER	11/03/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34329009	BS111ER	11/03/92	75-25-2	Bromoform	1 U
34329009	BS111ER	11/03/92	591-78-6	2-Hexanone	5 U
34329009	BS111ER	11/03/92	108-10-1	4-Methyl-2-pentanone	5 U
34329009	BS111ER	11/03/92	127-18-4	Tetrachloroethene	1 U
34329009	BS111ER	11/03/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34329009	BS111ER	11/03/92	108-88-3	Toluene	1 U
34329009	BS111ER	11/03/92	108-90-7	Chlorobenzene	1 U
34329009	BS111ER	11/03/92	100-41-4	Ethylbenzene	1 U
34329009	BS111ER	11/03/92	100-42-5	Styrene	1 U
34329009	BS111ER	11/03/92	1330-20-7	Xylenes (total)	1 U
34329009	BS111ER	11/03/92	541-73-1	1,3-Dichlorobenzene	1 U
34329009	BS111ER	11/03/92	106-46-7	1,4-Dichlorobenzene	1 U
34329009	BS111ER	11/03/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/05/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34412003	BS114ER	11/13/92	74-87-3	Chloromethane	1 U
34412003	BS114ER	11/13/92	74-83-9	Bromomethane	1 U
34412003	BS114ER	11/13/92	75-01-4	Vinyl chloride	1 U
34412003	BS114ER	11/13/92	75-00-3	Chloroethane	1 U
34412003	BS114ER	11/13/92	75-09-2	Methylene chloride	11 J
34412003	BS114ER	11/13/92	67-64-1	Acetone	7 J
34412003	BS114ER	11/13/92	75-15-0	Carbon disulfide	6
34412003	BS114ER	11/13/92	75-35-4	1,1-Dichloroethene	1 U
34412003	BS114ER	11/13/92	75-34-3	1,1-Dichloroethane	1 U
34412003	BS114ER	11/13/92	540-59-0	cis-1,2-Dichloroethene	1 U
34412003	BS114ER	11/13/92	156-60-5	trans-1,2-Dichloroethene	1 U
34412003	BS114ER	11/13/92	67-66-3	Chloroform	1 U
34412003	BS114ER	11/13/92	107-06-2	1,2-Dichloroethane	1 U
34412003	BS114ER	11/13/92	78-93-3	2-Butanone	5 U
34412003	BS114ER	11/13/92	71-55-6	1,1,1-Trichloroethane	1 U
34412003	BS114ER	11/13/92	56-23-5	Carbon tetrachloride	1 U
34412003	BS114ER	11/13/92	75-27-4	Bromodichloromethane	1 U
34412003	BS114ER	11/13/92	78-87-5	1,2-Dichloropropane	1 U
34412003	BS114ER	11/13/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34412003	BS114ER	11/13/92	79-01-6	Trichloroethene	1 U
34412003	BS114ER	11/13/92	124-48-1	Dibromochloromethane	1 U
34412003	BS114ER	11/13/92	79-00-5	1,1,2-Trichloroethane	1 U
34412003	BS114ER	11/13/92	71-43-2	Benzene	1 U
34412003	BS114ER	11/13/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34412003	BS114ER	11/13/92	75-25-2	Bromoform	1 U
34412003	BS114ER	11/13/92	591-78-6	2-Hexanone	5 U
34412003	BS114ER	11/13/92	108-10-1	4-Methyl-2-pentanone	5 U
34412003	BS114ER	11/13/92	127-18-4	Tetrachloroethene	1 U
34412003	BS114ER	11/13/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34412003	BS114ER	11/13/92	108-88-3	Toluene	1
34412003	BS114ER	11/13/92	108-90-7	Chlorobenzene	1 U
34412003	BS114ER	11/13/92	100-41-4	Ethylbenzene	1 U
34412003	BS114ER	11/13/92	100-42-5	Styrene	1 U
34412003	BS114ER	11/13/92	1330-20-7	Xylenes (total)	1 U
34412003	BS114ER	11/13/92	541-73-1	1,3-Dichlorobenzene	1 U
34412003	BS114ER	11/13/92	106-46-7	1,4-Dichlorobenzene	1 U
34412003	BS114ER	11/13/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/17/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34438K05	BS121ER	11/16/92	74-87-3	Chloromethane	1 U
34438K05	BS121ER	11/16/92	74-83-9	Bromomethane	1 U
34438K05	BS121ER	11/16/92	75-01-4	Vinyl chloride	1 U
34438K05	BS121ER	11/16/92	75-00-3	Chloroethane	1 U
34438K05	BS121ER	11/16/92	75-09-2	Methylene chloride	3 U
34438K05	BS121ER	11/16/92	67-64-1	Acetone	5 U
34438K05	BS121ER	11/16/92	75-15-0	Carbon disulfide	1 U
34438K05	BS121ER	11/16/92	75-35-4	1,1-Dichloroethene	1 U
34438K05	BS121ER	11/16/92	75-34-3	1,1-Dichloroethane	1 U
34438K05	BS121ER	11/16/92	540-59-0	cis-1,2-Dichloroethene	1 U
34438K05	BS121ER	11/16/92	156-60-5	trans-1,2-Dichloroethene	1 U
34438K05	BS121ER	11/16/92	67-66-3	Chloroform	1 U
34438K05	BS121ER	11/16/92	107-06-2	1,2-Dichloroethane	1 U
34438K05	BS121ER	11/16/92	78-93-3	2-Butanone	5 U
34438K05	BS121ER	11/16/92	71-55-6	1,1,1-Trichloroethane	1 U
34438K05	BS121ER	11/16/92	56-23-5	Carbon tetrachloride	1 U
34438K05	BS121ER	11/16/92	75-27-4	Bromodichloromethane	1 U
34438K05	BS121ER	11/16/92	78-87-5	1,2-Dichloropropane	1 U
34438K05	BS121ER	11/16/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34438K05	BS121ER	11/16/92	79-01-6	Trichloroethene	1 U
34438K05	BS121ER	11/16/92	124-48-1	Dibromochloromethane	1 U
34438K05	BS121ER	11/16/92	79-00-5	1,1,2-Trichloroethane	1 U
34438K05	BS121ER	11/16/92	71-43-2	Benzene	1 U
34438K05	BS121ER	11/16/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34438K05	BS121ER	11/16/92	75-25-2	Bromoform	1 U
34438K05	BS121ER	11/16/92	591-78-6	2-Hexanone	5 U
34438K05	BS121ER	11/16/92	108-10-1	4-Methyl-2-pentanone	5 U
34438K05	BS121ER	11/16/92	127-18-4	Tetrachloroethene	1 U
34438K05	BS121ER	11/16/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34438K05	BS121ER	11/16/92	108-88-3	Toluene	1 U
34438K05	BS121ER	11/16/92	108-90-7	Chlorobenzene	1 U
34438K05	BS121ER	11/16/92	100-41-4	Ethylbenzene	1 U
34438K05	BS121ER	11/16/92	100-42-5	Styrene	1 U
34438K05	BS121ER	11/16/92	1330-20-7	Xylenes (total)	1 U
34438K05	BS121ER	11/16/92	541-73-1	1,3-Dichlorobenzene	1 U
34438K05	BS121ER	11/16/92	106-46-7	1,4-Dichlorobenzene	1 U
34438K05	BS121ER	11/16/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/19/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34198002	BS101FB	10/20/92	74-87-3	Chloromethane	1 U
34198002	BS101FB	10/20/92	74-83-9	Bromomethane	1 U
34198002	BS101FB	10/20/92	75-01-4	Vinyl chloride	1 U
34198002	BS101FB	10/20/92	75-00-3	Chloroethane	1 U
34198002	BS101FB	10/20/92	75-09-2	Methylene chloride	4 U
34198002	BS101FB	10/20/92	67-64-1	Acetone	5 U
34198002	BS101FB	10/20/92	75-15-0	Carbon disulfide	1 U
34198002	BS101FB	10/20/92	75-35-4	1,1-Dichloroethene	1 U
34198002	BS101FB	10/20/92	75-34-3	1,1-Dichloroethane	1 U
34198002	BS101FB	10/20/92	540-59-0	cis-1,2-Dichloroethene	1 U
34198002	BS101FB	10/20/92	156-60-5	trans-1,2-Dichloroethene	1 U
34198002	BS101FB	10/20/92	67-66-3	Chloroform	11
34198002	BS101FB	10/20/92	107-06-2	1,2-Dichloroethane	1 U
34198002	BS101FB	10/20/92	78-93-3	2-Butanone	5 U
34198002	BS101FB	10/20/92	71-55-6	1,1,1-Trichloroethane	1 U
34198002	BS101FB	10/20/92	56-23-5	Carbon tetrachloride	1 U
34198002	BS101FB	10/20/92	75-27-4	Bromodichloromethane	15
34198002	BS101FB	10/20/92	78-87-5	1,2-Dichloropropane	1 U
34198002	BS101FB	10/20/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34198002	BS101FB	10/20/92	79-01-6	Trichloroethene	1 U
34198002	BS101FB	10/20/92	124-48-1	Dibromochloromethane	12
34198002	BS101FB	10/20/92	79-00-5	1,1,2-Trichloroethane	1 U
34198002	BS101FB	10/20/92	71-43-2	Benzene	1 U
34198002	BS101FB	10/20/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34198002	BS101FB	10/20/92	75-25-2	Bromoform	1 U
34198002	BS101FB	10/20/92	591-78-6	2-Hexanone	5 U
34198002	BS101FB	10/20/92	108-10-1	4-Methyl-2-pentanone	5 U
34198002	BS101FB	10/20/92	127-18-4	Tetrachloroethene	1 U
34198002	BS101FB	10/20/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34198002	BS101FB	10/20/92	108-88-3	Toluene	1 U
34198002	BS101FB	10/20/92	108-90-7	Chlorobenzene	1 U
34198002	BS101FB	10/20/92	100-41-4	Ethylbenzene	1 U
34198002	BS101FB	10/20/92	100-42-5	Styrene	1 U
34198002	BS101FB	10/20/92	1330-20-7	Xylenes (total)	1 U
34198002	BS101FB	10/20/92	541-73-1	1,3-Dichlorobenzene	1 U
34198002	BS101FB	10/20/92	106-46-7	1,4-Dichlorobenzene	1 U
34198002	BS101FB	10/20/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 10/23/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34198003	BS102FB	10/20/92	74-87-3	Chloromethane	1 U
34198003	BS102FB	10/20/92	74-83-9	Bromomethane	1 U
34198003	BS102FB	10/20/92	75-01-4	Vinyl chloride	1 U
34198003	BS102FB	10/20/92	75-00-3	Chloroethane	1 U
34198003	BS102FB	10/20/92	75-09-2	Methylene chloride	6 U
34198003	BS102FB	10/20/92	67-64-1	Acetone	5 U
34198003	BS102FB	10/20/92	75-15-0	Carbon disulfide	1 U
34198003	BS102FB	10/20/92	75-35-4	1,1-Dichloroethene	1 U
34198003	BS102FB	10/20/92	75-34-3	1,1-Dichloroethane	1 U
34198003	BS102FB	10/20/92	540-59-0	cis-1,2-Dichloroethene	1 U
34198003	BS102FB	10/20/92	156-60-5	trans-1,2-Dichloroethene	1 U
34198003	BS102FB	10/20/92	67-66-3	Chloroform	1 U
34198003	BS102FB	10/20/92	107-06-2	1,2-Dichloroethane	1 U
34198003	BS102FB	10/20/92	78-93-3	2-Butanone	5 U
34198003	BS102FB	10/20/92	71-55-6	1,1,1-Trichloroethane	1 U
34198003	BS102FB	10/20/92	56-23-5	Carbon tetrachloride	1 U
34198003	BS102FB	10/20/92	75-27-4	Bromodichloromethane	1 U
34198003	BS102FB	10/20/92	78-87-5	1,2-Dichloropropane	1 U
34198003	BS102FB	10/20/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34198003	BS102FB	10/20/92	79-01-6	Trichloroethene	1 U
34198003	BS102FB	10/20/92	124-48-1	Dibromochloromethane	1 U
34198003	BS102FB	10/20/92	79-00-5	1,1,2-Trichloroethane	1 U
34198003	BS102FB	10/20/92	71-43-2	Benzene	1 U
34198003	BS102FB	10/20/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34198003	BS102FB	10/20/92	75-25-2	Bromoform	1 U
34198003	BS102FB	10/20/92	591-78-6	2-Hexanone	5 U
34198003	BS102FB	10/20/92	108-10-1	4-Methyl-2-pentanone	5 U
34198003	BS102FB	10/20/92	127-18-4	Tetrachloroethene	1 U
34198003	BS102FB	10/20/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34198003	BS102FB	10/20/92	108-88-3	Toluene	1 U
34198003	BS102FB	10/20/92	108-90-7	Chlorobenzene	1 U
34198003	BS102FB	10/20/92	100-41-4	Ethylbenzene	1 U
34198003	BS102FB	10/20/92	100-42-5	Styrene	1 U
34198003	BS102FB	10/20/92	1330-20-7	Xylenes (total)	1 U
34198003	BS102FB	10/20/92	541-73-1	1,3-Dichlorobenzene	1 U
34198003	BS102FB	10/20/92	106-46-7	1,4-Dichlorobenzene	1 U
34198003	BS102FB	10/20/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 10/23/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34198004	BS103FB	10/20/92	74-87-3	Chloromethane	1 U
34198004	BS103FB	10/20/92	74-83-9	Bromomethane	1 U
34198004	BS103FB	10/20/92	75-01-4	Vinyl chloride	1 U
34198004	BS103FB	10/20/92	75-00-3	Chloroethane	1 U
34198004	BS103FB	10/20/92	75-09-2	Methylene chloride	3 U
34198004	BS103FB	10/20/92	67-64-1	Acetone	5 U
34198004	BS103FB	10/20/92	75-15-0	Carbon disulfide	1 U
34198004	BS103FB	10/20/92	75-35-4	1,1-Dichloroethene	1 U
34198004	BS103FB	10/20/92	75-34-3	1,1-Dichloroethane	1 U
34198004	BS103FB	10/20/92	540-59-0	cis-1,2-Dichloroethene	1 U
34198004	BS103FB	10/20/92	156-60-5	trans-1,2-Dichloroethene	1 U
34198004	BS103FB	10/20/92	67-66-3	Chloroform	1 U
34198004	BS103FB	10/20/92	107-06-2	1,2-Dichloroethane	1 U
34198004	BS103FB	10/20/92	78-93-3	2-Butanone	5 U
34198004	BS103FB	10/20/92	71-55-6	1,1,1-Trichloroethane	1 U
34198004	BS103FB	10/20/92	56-23-5	Carbon tetrachloride	1 U
34198004	BS103FB	10/20/92	75-27-4	Bromodichloromethane	1 U
34198004	BS103FB	10/20/92	78-87-5	1,2-Dichloropropane	1 U
34198004	BS103FB	10/20/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34198004	BS103FB	10/20/92	79-01-6	Trichloroethene	1 U
34198004	BS103FB	10/20/92	124-48-1	Dibromochloromethane	1 U
34198004	BS103FB	10/20/92	79-00-5	1,1,2-Trichloroethane	1 U
34198004	BS103FB	10/20/92	71-43-2	Benzene	1 U
34198004	BS103FB	10/20/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34198004	BS103FB	10/20/92	75-25-2	Bromoform	1 U
34198004	BS103FB	10/20/92	591-78-6	2-Hexanone	5 U
34198004	BS103FB	10/20/92	108-10-1	4-Methyl-2-pentanone	5 U
34198004	BS103FB	10/20/92	127-18-4	Tetrachloroethene	1 U
34198004	BS103FB	10/20/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34198004	BS103FB	10/20/92	108-88-3	Toluene	1 U
34198004	BS103FB	10/20/92	108-90-7	Chlorobenzene	1 U
34198004	BS103FB	10/20/92	100-41-4	Ethylbenzene	1 U
34198004	BS103FB	10/20/92	100-42-5	Styrene	1 U
34198004	BS103FB	10/20/92	1330-20-7	Xylenes (total)	1 U
34198004	BS103FB	10/20/92	541-73-1	1,3-Dichlorobenzene	1 U
34198004	BS103FB	10/20/92	106-46-7	1,4-Dichlorobenzene	1 U
34198004	BS103FB	10/20/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 10/23/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34337005	BS104FB	11/04/92	74-87-3	Chloromethane	1 U
34337005	BS104FB	11/04/92	74-83-9	Bromomethane	1 U
34337005	BS104FB	11/04/92	75-01-4	Vinyl chloride	1 U
34337005	BS104FB	11/04/92	75-00-3	Chloroethane	1 U
34337005	BS104FB	11/04/92	75-09-2	Methylene chloride	2 U
34337005	BS104FB	11/04/92	67-64-1	Acetone	5 U
34337005	BS104FB	11/04/92	75-15-0	Carbon disulfide	1 U
34337005	BS104FB	11/04/92	75-35-4	1,1-Dichloroethene	1 U
34337005	BS104FB	11/04/92	75-34-3	1,1-Dichloroethane	1 U
34337005	BS104FB	11/04/92	540-59-0	cis-1,2-Dichloroethene	1 U
34337005	BS104FB	11/04/92	156-60-5	trans-1,2-Dichloroethene	1 U
34337005	BS104FB	11/04/92	67-66-3	Chloroform	12
34337005	BS104FB	11/04/92	107-06-2	1,2-Dichloroethane	1 U
34337005	BS104FB	11/04/92	78-93-3	2-Butanone	5 U
34337005	BS104FB	11/04/92	71-55-6	1,1,1-Trichloroethane	1 U
34337005	BS104FB	11/04/92	56-23-5	Carbon tetrachloride	1 U
34337005	BS104FB	11/04/92	75-27-4	Bromodichloromethane	11
34337005	BS104FB	11/04/92	78-87-5	1,2-Dichloropropane	1 U
34337005	BS104FB	11/04/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34337005	BS104FB	11/04/92	79-01-6	Trichloroethene	1 U
34337005	BS104FB	11/04/92	124-48-1	Dibromochloromethane	10
34337005	BS104FB	11/04/92	79-00-5	1,1,2-Trichloroethane	1 U
34337005	BS104FB	11/04/92	71-43-2	Benzene	1 U
34337005	BS104FB	11/04/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34337005	BS104FB	11/04/92	75-25-2	Bromoform	2
34337005	BS104FB	11/04/92	591-78-6	2-Hexanone	5 U
34337005	BS104FB	11/04/92	108-10-1	4-Methyl-2-pentanone	5 U
34337005	BS104FB	11/04/92	127-18-4	Tetrachloroethene	1 U
34337005	BS104FB	11/04/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34337005	BS104FB	11/04/92	108-88-3	Toluene	1 U
34337005	BS104FB	11/04/92	108-90-7	Chlorobenzene	1 U
34337005	BS104FB	11/04/92	100-41-4	Ethylbenzene	1 U
34337005	BS104FB	11/04/92	100-42-5	Styrene	1 U
34337005	BS104FB	11/04/92	1330-20-7	Xylenes (total)	1 U
34337005	BS104FB	11/04/92	541-73-1	1,3-Dichlorobenzene	1 U
34337005	BS104FB	11/04/92	106-46-7	1,4-Dichlorobenzene	1 U
34337005	BS104FB	11/04/92	95-50-1	1,2-Dichlorobenzene	1 U

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Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34337006	BS105FB	11/04/92	74-87-3	Chloromethane	1 U
34337006	BS105FB	11/04/92	74-83-9	Bromomethane	1 U
34337006	BS105FB	11/04/92	75-01-4	Vinyl chloride	1 U
34337006	BS105FB	11/04/92	75-00-3	Chloroethane	1 U
34337006	BS105FB	11/04/92	75-09-2	Methylene chloride	2 U
34337006	BS105FB	11/04/92	67-64-1	Acetone	5 U
34337006	BS105FB	11/04/92	75-15-0	Carbon disulfide	1 U
34337006	BS105FB	11/04/92	75-35-4	1,1-Dichloroethene	1 U
34337006	BS105FB	11/04/92	75-34-3	1,1-Dichloroethane	1 U
34337006	BS105FB	11/04/92	540-59-0	cis-1,2-Dichloroethene	1 U
34337006	BS105FB	11/04/92	156-60-5	trans-1,2-Dichloroethene	1 U
34337006	BS105FB	11/04/92	67-66-3	Chloroform	1 U
34337006	BS105FB	11/04/92	107-06-2	1,2-Dichloroethane	1 U
34337006	BS105FB	11/04/92	78-93-3	2-Butanone	5 U
34337006	BS105FB	11/04/92	71-55-6	1,1,1-Trichloroethane	1 U
34337006	BS105FB	11/04/92	56-23-5	Carbon tetrachloride	1 U
34337006	BS105FB	11/04/92	75-27-4	Bromodichloromethane	1 U
34337006	BS105FB	11/04/92	78-87-5	1,2-Dichloropropane	1 U
34337006	BS105FB	11/04/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34337006	BS105FB	11/04/92	79-01-6	Trichloroethene	1 U
34337006	BS105FB	11/04/92	124-48-1	Dibromochloromethane	1 U
34337006	BS105FB	11/04/92	79-00-5	1,1,2-Trichloroethane	1 U
34337006	BS105FB	11/04/92	71-43-2	Benzene	1 U
34337006	BS105FB	11/04/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34337006	BS105FB	11/04/92	75-25-2	Bromoform	1 U
34337006	BS105FB	11/04/92	591-78-6	2-Hexanone	5 U
34337006	BS105FB	11/04/92	108-10-1	4-Methyl-2-pentanone	5 U
34337006	BS105FB	11/04/92	127-18-4	Tetrachloroethene	1 U
34337006	BS105FB	11/04/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34337006	BS105FB	11/04/92	108-88-3	Toluene	1 U
34337006	BS105FB	11/04/92	108-90-7	Chlorobenzene	1 U
34337006	BS105FB	11/04/92	100-41-4	Ethylbenzene	1 U
34337006	BS105FB	11/04/92	100-42-5	Styrene	1 U
34337006	BS105FB	11/04/92	1330-20-7	Xylenes (total)	1 U
34337006	BS105FB	11/04/92	541-73-1	1,3-Dichlorobenzene	1 U
34337006	BS105FB	11/04/92	106-46-7	1,4-Dichlorobenzene	1 U
34337006	BS105FB	11/04/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/09/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34337007	BS106FB	11/04/92	74-87-3	Chloromethane	1 U
34337007	BS106FB	11/04/92	74-83-9	Bromomethane	1 U
34337007	BS106FB	11/04/92	75-01-4	Vinyl chloride	1 U
34337007	BS106FB	11/04/92	75-00-3	Chloroethane	1 U
34337007	BS106FB	11/04/92	75-09-2	Methylene chloride	2 U
34337007	BS106FB	11/04/92	67-64-1	Acetone	5 U
34337007	BS106FB	11/04/92	75-15-0	Carbon disulfide	1 U
34337007	BS106FB	11/04/92	75-35-4	1,1-Dichloroethene	1 U
34337007	BS106FB	11/04/92	75-34-3	1,1-Dichloroethane	1 U
34337007	BS106FB	11/04/92	540-59-0	cis-1,2-Dichloroethene	1 U
34337007	BS106FB	11/04/92	156-60-5	trans-1,2-Dichloroethene	1 U
34337007	BS106FB	11/04/92	67-66-3	Chloroform	1 U
34337007	BS106FB	11/04/92	107-06-2	1,2-Dichloroethane	1 U
34337007	BS106FB	11/04/92	78-93-3	2-Butanone	5 U
34337007	BS106FB	11/04/92	71-55-6	1,1,1-Trichloroethane	1 U
34337007	BS106FB	11/04/92	56-23-5	Carbon tetrachloride	1 U
34337007	BS106FB	11/04/92	75-27-4	Bromodichloromethane	1 U
34337007	BS106FB	11/04/92	78-87-5	1,2-Dichloropropane	1 U
34337007	BS106FB	11/04/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34337007	BS106FB	11/04/92	79-01-6	Trichloroethene	1 U
34337007	BS106FB	11/04/92	124-48-1	Dibromochloromethane	1 U
34337007	BS106FB	11/04/92	79-00-5	1,1,2-Trichloroethane	1 U
34337007	BS106FB	11/04/92	71-43-2	Benzene	1 U
34337007	BS106FB	11/04/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34337007	BS106FB	11/04/92	75-25-2	Bromoform	1 U
34337007	BS106FB	11/04/92	591-78-6	2-Hexanone	5 U
34337007	BS106FB	11/04/92	108-10-1	4-Methyl-2-pentanone	5 U
34337007	BS106FB	11/04/92	127-18-4	Tetrachloroethene	1 U
34337007	BS106FB	11/04/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34337007	BS106FB	11/04/92	108-88-3	Toluene	1 U
34337007	BS106FB	11/04/92	108-90-7	Chlorobenzene	1 U
34337007	BS106FB	11/04/92	100-41-4	Ethylbenzene	1 U
34337007	BS106FB	11/04/92	100-42-5	Styrene	1 U
34337007	BS106FB	11/04/92	1330-20-7	Xylenes (total)	1 U
34337007	BS106FB	11/04/92	541-73-1	1,3-Dichlorobenzene	1 U
34337007	BS106FB	11/04/92	106-46-7	1,4-Dichlorobenzene	1 U
34337007	BS106FB	11/04/92	95-50-1	1,2-Dichlorobenzene	1 U

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Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34438003	BS107FB	11/16/92	74-87-3	Chloromethane	1 U
34438003	BS107FB	11/16/92	74-83-9	Bromomethane	1 U
34438003	BS107FB	11/16/92	75-01-4	Vinyl chloride	1 U
34438003	BS107FB	11/16/92	75-00-3	Chloroethane	1 U
34438003	BS107FB	11/16/92	75-09-2	Methylene chloride	2 U
34438003	BS107FB	11/16/92	67-64-1	Acetone	5 U
34438003	BS107FB	11/16/92	75-15-0	Carbon disulfide	1 U
34438003	BS107FB	11/16/92	75-35-4	1,1-Dichloroethene	1 U
34438003	BS107FB	11/16/92	75-34-3	1,1-Dichloroethane	1 U
34438003	BS107FB	11/16/92	540-59-0	cis-1,2-Dichloroethene	1 U
34438003	BS107FB	11/16/92	156-60-5	trans-1,2-Dichloroethene	1 U
34438003	BS107FB	11/16/92	67-66-3	Chloroform	1 U
34438003	BS107FB	11/16/92	107-06-2	1,2-Dichloroethane	1 U
34438003	BS107FB	11/16/92	78-93-3	2-Butanone	5 U
34438003	BS107FB	11/16/92	71-55-6	1,1,1-Trichloroethane	1 U
34438003	BS107FB	11/16/92	56-23-5	Carbon tetrachloride	1 U
34438003	BS107FB	11/16/92	75-27-4	Bromodichloromethane	1 U
34438003	BS107FB	11/16/92	78-87-5	1,2-Dichloropropane	1 U
34438003	BS107FB	11/16/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34438003	BS107FB	11/16/92	79-01-6	Trichloroethene	1 U
34438003	BS107FB	11/16/92	124-48-1	Dibromochloromethane	1 U
34438003	BS107FB	11/16/92	79-00-5	1,1,2-Trichloroethane	1 U
34438003	BS107FB	11/16/92	71-43-2	Benzene	1 U
34438003	BS107FB	11/16/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34438003	BS107FB	11/16/92	75-25-2	Bromoform	1 U
34438003	BS107FB	11/16/92	591-78-6	2-Hexanone	5 U
34438003	BS107FB	11/16/92	108-10-1	4-Methyl-2-pentanone	5 U
34438003	BS107FB	11/16/92	127-18-4	Tetrachloroethene	1 U
34438003	BS107FB	11/16/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34438003	BS107FB	11/16/92	108-88-3	Toluene	1 U
34438003	BS107FB	11/16/92	108-90-7	Chlorobenzene	1 U
34438003	BS107FB	11/16/92	100-41-4	Ethylbenzene	1 U
34438003	BS107FB	11/16/92	100-42-5	Styrene	1 U
34438003	BS107FB	11/16/92	1330-20-7	Xylenes (total)	1 U
34438003	BS107FB	11/16/92	541-73-1	1,3-Dichlorobenzene	1 U
34438003	BS107FB	11/16/92	106-46-7	1,4-Dichlorobenzene	1 U
34438003	BS107FB	11/16/92	95-50-1	1,2-Dichlorobenzene	1 U

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Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34438001	BS108FB	11/16/92	74-87-3	Chloromethane	1 U
34438001	BS108FB	11/16/92	74-83-9	Bromomethane	1 U
34438001	BS108FB	11/16/92	75-01-4	Vinyl chloride	1 U
34438001	BS108FB	11/16/92	75-00-3	Chloroethane	1 U
34438001	BS108FB	11/16/92	75-09-2	Methylene chloride	2 U
34438001	BS108FB	11/16/92	67-64-1	Acetone	5 U
34438001	BS108FB	11/16/92	75-15-0	Carbon disulfide	1 U
34438001	BS108FB	11/16/92	75-35-4	1,1-Dichloroethene	1 U
34438001	BS108FB	11/16/92	75-34-3	1,1-Dichloroethane	1 U
34438001	BS108FB	11/16/92	540-59-0	cis-1,2-Dichloroethene	1 U
34438001	BS108FB	11/16/92	156-60-5	trans-1,2-Dichloroethene	1 U
34438001	BS108FB	11/16/92	67-66-3	Chloroform	7
34438001	BS108FB	11/16/92	107-06-2	1,2-Dichloroethane	1 U
34438001	BS108FB	11/16/92	78-93-3	2-Butanone	5 U
34438001	BS108FB	11/16/92	71-55-6	1,1,1-Trichloroethane	1 U
34438001	BS108FB	11/16/92	56-23-5	Carbon tetrachloride	1 U
34438001	BS108FB	11/16/92	75-27-4	Bromodichloromethane	7
34438001	BS108FB	11/16/92	78-87-5	1,2-Dichloropropane	1 U
34438001	BS108FB	11/16/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34438001	BS108FB	11/16/92	79-01-6	Trichloroethene	1 U
34438001	BS108FB	11/16/92	124-48-1	Dibromochloromethane	6
34438001	BS108FB	11/16/92	79-00-5	1,1,2-Trichloroethane	1 U
34438001	BS108FB	11/16/92	71-43-2	Benzene	1 U
34438001	BS108FB	11/16/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34438001	BS108FB	11/16/92	75-25-2	Bromoform	1 U
34438001	BS108FB	11/16/92	591-78-6	2-Hexanone	5 U
34438001	BS108FB	11/16/92	108-10-1	4-Methyl-2-pentanone	5 U
34438001	BS108FB	11/16/92	127-18-4	Tetrachloroethene	1 U
34438001	BS108FB	11/16/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34438001	BS108FB	11/16/92	108-88-3	Toluene	1 U
34438001	BS108FB	11/16/92	108-90-7	Chlorobenzene	1 U
34438001	BS108FB	11/16/92	100-41-4	Ethylbenzene	1 U
34438001	BS108FB	11/16/92	100-42-5	Styrene	1 U
34438001	BS108FB	11/16/92	1330-20-7	Xylenes (total)	1 U
34438001	BS108FB	11/16/92	541-73-1	1,3-Dichlorobenzene	1 U
34438001	BS108FB	11/16/92	106-46-7	1,4-Dichlorobenzene	1 U
34438001	BS108FB	11/16/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/19/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34438002	BS109FB	11/16/92	74-87-3	Chloromethane	1 U
34438002	BS109FB	11/16/92	74-83-9	Bromomethane	1 U
34438002	BS109FB	11/16/92	75-01-4	Vinyl chloride	1 U
34438002	BS109FB	11/16/92	75-00-3	Chloroethane	1 U
34438002	BS109FB	11/16/92	75-09-2	Methylene chloride	2 U
34438002	BS109FB	11/16/92	67-64-1	Acetone	5 U
34438002	BS109FB	11/16/92	75-15-0	Carbon disulfide	1 U
34438002	BS109FB	11/16/92	75-35-4	1,1-Dichloroethene	1 U
34438002	BS109FB	11/16/92	75-34-3	1,1-Dichloroethane	1 U
34438002	BS109FB	11/16/92	540-59-0	cis-1,2-Dichloroethene	1 U
34438002	BS109FB	11/16/92	156-60-5	trans-1,2-Dichloroethene	1 U
34438002	BS109FB	11/16/92	67-66-3	Chloroform	1 U
34438002	BS109FB	11/16/92	107-06-2	1,2-Dichloroethane	1 U
34438002	BS109FB	11/16/92	78-93-3	2-Butanone	5 U
34438002	BS109FB	11/16/92	71-55-6	1,1,1-Trichloroethane	1 U
34438002	BS109FB	11/16/92	56-23-5	Carbon tetrachloride	1 U
34438002	BS109FB	11/16/92	75-27-4	Bromodichloromethane	1 U
34438002	BS109FB	11/16/92	78-87-5	1,2-Dichloropropane	1 U
34438002	BS109FB	11/16/92	10061-01-5	cis-1,3-Dichloropropane	1 U
34438002	BS109FB	11/16/92	79-01-6	Trichloroethene	1 U
34438002	BS109FB	11/16/92	124-48-1	Dibromochloromethane	1 U
34438002	BS109FB	11/16/92	79-00-5	1,1,2-Trichloroethane	1 U
34438002	BS109FB	11/16/92	71-43-2	Benzene	1 U
34438002	BS109FB	11/16/92	10061-02-6	trans-1,3-Dichloropropene	1 U
34438002	BS109FB	11/16/92	75-25-2	Bromoform	1 U
34438002	BS109FB	11/16/92	591-78-6	2-Hexanone	5 U
34438002	BS109FB	11/16/92	108-10-1	4-Methyl-2-pentanone	5 U
34438002	BS109FB	11/16/92	127-18-4	Tetrachloroethene	1 U
34438002	BS109FB	11/16/92	79-34-5	1,1,2,2-Tetrachloroethane	1 U
34438002	BS109FB	11/16/92	108-88-3	Toluene	1 U
34438002	BS109FB	11/16/92	108-90-7	Chlorobenzene	1 U
34438002	BS109FB	11/16/92	100-41-4	Ethylbenzene	1 U
34438002	BS109FB	11/16/92	100-42-5	Styrene	1 U
34438002	BS109FB	11/16/92	1330-20-7	Xylenes (total)	1 U
34438002	BS109FB	11/16/92	541-73-1	1,3-Dichlorobenzene	1 U
34438002	BS109FB	11/16/92	106-46-7	1,4-Dichlorobenzene	1 U
34438002	BS109FB	11/16/92	95-50-1	1,2-Dichlorobenzene	1 U

Date Analyzed: 11/19/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34423001	BS117ER	11/14/92	108-95-2	Phenol	10 U
34423001	BS117ER	11/14/92	111-44-4	bis(2-Chloroethyl)ether	10 U
34423001	BS117ER	11/14/92	95-57-8	2-Chlorophenol	10 U
34423001	BS117ER	11/14/92	541-73-1	1,3-Dichlorobenzene	10 U
34423001	BS117ER	11/14/92	106-46-7	1,4-Dichlorobenzene	10 U
34423001	BS117ER	11/14/92	95-50-1	1,2-Dichlorobenzene	10 U
34423001	BS117ER	11/14/92	95-48-7	2-Methylphenol	10 U
34423001	BS117ER	11/14/92	108-60-1	2,2'-oxybis(1-Chloropropane)	10 U
34423001	BS117ER	11/14/92	106-44-5	4-Methylphenol	10 U
34423001	BS117ER	11/14/92	621-64-7	N-Nitroso-di-n-propylamine	10 U
34423001	BS117ER	11/14/92	67-72-1	Hexachloroethane	10 U
34423001	BS117ER	11/14/92	98-95-3	Nitrobenzene	10 U
34423001	BS117ER	11/14/92	78-59-1	Isophorone	10 U
34423001	BS117ER	11/14/92	88-75-5	2-Nitrophenol	10 U
34423001	BS117ER	11/14/92	105-67-9	2,4-Dimethylphenol	10 U
34423001	BS117ER	11/14/92	111-91-1	bis(2-Chloroethoxy)methane	10 U
34423001	BS117ER	11/14/92	120-83-2	2,4-Dichlorophenol	10 U
34423001	BS117ER	11/14/92	120-82-1	1,2,4-Trichlorobenzene	10 U
34423001	BS117ER	11/14/92	91-20-3	Naphthalene	10 U
34423001	BS117ER	11/14/92	106-47-8	4-Chloroaniline	10 U
34423001	BS117ER	11/14/92	87-68-3	Hexachlorobutadiene	10 U
34423001	BS117ER	11/14/92	59-50-7	4-Chloro-3-methylphenol	10 U
34423001	BS117ER	11/14/92	91-57-6	2-Methylnaphthalene	10 U
34423001	BS117ER	11/14/92	77-47-4	Hexachlorocyclopentadiene	10 U
34423001	BS117ER	11/14/92	88-06-2	2,4,6-Trichlorophenol	10 U
34423001	BS117ER	11/14/92	95-95-4	2,4,5-Trichlorophenol	25 U
34423001	BS117ER	11/14/92	91-58-7	2-Chloronaphthalene	10 U
34423001	BS117ER	11/14/92	88-74-4	2-Nitroaniline	25 U
34423001	BS117ER	11/14/92	131-11-3	Dimethylphthalate	10 U
34423001	BS117ER	11/14/92	208-96-8	Acenaphthylene	10 U
34423001	BS117ER	11/14/92	606-20-2	2,6-Dinitrotoluene	10 U
34423001	BS117ER	11/14/92	99-09-2	3-Nitroaniline	25 U
34423001	BS117ER	11/14/92	83-32-9	Acenaphthene	10 U
34423001	BS117ER	11/14/92	51-28-5	2,4-Dinitrophenol	25 U
34423001	BS117ER	11/14/92	100-02-7	4-Nitrophenol	25 U
34423001	BS117ER	11/14/92	132-64-9	Dibenzofuran	10 U
34423001	BS117ER	11/14/92	121-14-2	2,4-Dinitrotoluene	10 U
34423001	BS117ER	11/14/92	84-66-2	Diethylphthalate	10 U
34423001	BS117ER	11/14/92	7005-72-3	4-Chlorophenyl-phenylether	10 U
34423001	BS117ER	11/14/92	86-73-7	Fluorene	10 U
34423001	BS117ER	11/14/92	100-01-6	4-Nitroaniline	25 U
34423001	BS117ER	11/14/92	534-52-1	4,6-Dinitro-2-methylphenol	25 U

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34423001	BS117ER	11/14/92	86-30-6	N-Nitrosodiphenylamine (1)	10 U
34423001	BS117ER	11/14/92	101-55-3	4-Bromophenyl-phenylether	10 U
34423001	BS117ER	11/14/92	118-74-1	Hexachlorobenzene	10 U
34423001	BS117ER	11/14/92	87-86-5	Pentachlorophenol	25 U
34423001	BS117ER	11/14/92	85-01-8	Phenanthrene	10 U
34423001	BS117ER	11/14/92	120-12-7	Anthracene	10 U
34423001	BS117ER	11/14/92	86-74-8	Carbazole	10 U
34423001	BS117ER	11/14/92	84-74-2	Di-n-butylphthalate	10 U
34423001	BS117ER	11/14/92	206-44-0	Fluoranthene	10 U
34423001	BS117ER	11/14/92	129-00-0	Pyrene	10 U
34423001	BS117ER	11/14/92	85-68-7	Butylbenzylphthalate	10 U
34423001	BS117ER	11/14/92	91-94-1	3,3'-Dichlorobenzidine	10 U
34423001	BS117ER	11/14/92	56-55-3	Benzo(a)anthracene	10 U
34423001	BS117ER	11/14/92	218-01-9	Chrysene	10 U
34423001	BS117ER	11/14/92	117-81-7	bis(2-Ethylhexyl)phthalate	10 U
34423001	BS117ER	11/14/92	117-84-0	Di-n-octylphthalate	10 U
34423001	BS117ER	11/14/92	205-99-2	Benzo(b)fluoranthene	10 U
34423001	BS117ER	11/14/92	207-08-9	Benzo(k)fluoranthene	10 U
34423001	BS117ER	11/14/92	50-32-8	Benzo(a)pyrene	10 U
34423001	BS117ER	11/14/92	193-39-5	Indeno(1,2,3-cd)pyrene	10 U
34423001	BS117ER	11/14/92	53-70-3	Dibenz(a,h)anthracene	10 U
34423001	BS117ER	11/14/92	191-24-2	Benzo(g,h,i)perylene	10 U

Date Extracted: 11/17/92
Date Analyzed: 11/19/92
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34443001	BS123ER	11/17/92	108-95-2	Phenol	10 U
34443001	BS123ER	11/17/92	111-44-4	bis(2-Chloroethyl)ether	10 U
34443001	BS123ER	11/17/92	95-57-8	2-Chlorophenol	10 U
34443001	BS123ER	11/17/92	541-73-1	1,3-Dichlorobenzene	10 U
34443001	BS123ER	11/17/92	106-46-7	1,4-Dichlorobenzene	10 U
34443001	BS123ER	11/17/92	95-50-1	1,2-Dichlorobenzene	10 U
34443001	BS123ER	11/17/92	95-48-7	2-Methylphenol	10 U
34443001	BS123ER	11/17/92	108-60-1	2,2'-oxybis(1-Chloropropane)	10 U
34443001	BS123ER	11/17/92	106-44-5	4-Methylphenol	10 U
34443001	BS123ER	11/17/92	621-64-7	N-Nitroso-di-n-propylamine	10 U
34443001	BS123ER	11/17/92	67-72-1	Hexachloroethane	10 U
34443001	BS123ER	11/17/92	98-95-3	Nitrobenzene	10 U
34443001	BS123ER	11/17/92	78-59-1	Isophorone	10 U
34443001	BS123ER	11/17/92	88-75-5	2-Nitrophenol	10 U
34443001	BS123ER	11/17/92	105-67-9	2,4-Dimethylphenol	10 U
34443001	BS123ER	11/17/92	111-91-1	bis(2-Chloroethoxy)methane	10 U
34443001	BS123ER	11/17/92	120-83-2	2,4-Dichlorophenol	10 U
34443001	BS123ER	11/17/92	120-82-1	1,2,4-Trichlorobenzene	10 U
34443001	BS123ER	11/17/92	91-20-3	Naphthalene	10 U
34443001	BS123ER	11/17/92	106-47-8	4-Chloroaniline	10 U
34443001	BS123ER	11/17/92	87-68-3	Hexachlorobutadiene	10 U
34443001	BS123ER	11/17/92	59-50-7	4-Chloro-3-methylphenol	10 U
34443001	BS123ER	11/17/92	91-57-6	2-Methylnaphthalene	10 U
34443001	BS123ER	11/17/92	77-47-4	Hexachlorocyclopentadiene	10 U
34443001	BS123ER	11/17/92	88-06-2	2,4,6-Trichlorophenol	10 U
34443001	BS123ER	11/17/92	95-95-4	2,4,5-Trichlorophenol	25 U
34443001	BS123ER	11/17/92	91-58-7	2-Chloronaphthalene	10 U
34443001	BS123ER	11/17/92	88-74-4	2-Nitroaniline	25 U
34443001	BS123ER	11/17/92	131-11-3	Dimethylphthalate	10 U
34443001	BS123ER	11/17/92	208-96-8	Acenaphthylene	10 U
34443001	BS123ER	11/17/92	606-20-2	2,6-Dinitrotoluene	10 U
34443001	BS123ER	11/17/92	99-09-2	3-Nitroaniline	25 U
34443001	BS123ER	11/17/92	83-32-9	Acenaphthene	10 U
34443001	BS123ER	11/17/92	51-28-5	2,4-Dinitrophenol	25 U
34443001	BS123ER	11/17/92	100-02-7	4-Nitrophenol	25 U
34443001	BS123ER	11/17/92	132-64-9	Dibenzofuran	10 U
34443001	BS123ER	11/17/92	121-14-2	2,4-Dinitrotoluene	10 U
34443001	BS123ER	11/17/92	84-66-2	Diethylphthalate	10 U
34443001	BS123ER	11/17/92	7005-72-3	4-Chlorophenyl-phenylether	10 U
34443001	BS123ER	11/17/92	86-73-7	Fluorene	10 U
34443001	BS123ER	11/17/92	100-01-6	4-Nitroaniline	25 U
34443001	BS123ER	11/17/92	534-52-1	4,6-Dinitro-2-methylphenol	25 U

VALIDATED DATA FOR OFF-SITE FIELD BLANKS

Lab_number	Location	Coll. Date	Cas_no	Common_name	Concentration (ug/l)
34443001	BS123ER	11/17/92	86-30-6	N-Nitrosodiphenylamine (1)	10 U
34443001	BS123ER	11/17/92	101-55-3	4-Bromophenyl-phenylether	10 U
34443001	BS123ER	11/17/92	118-74-1	Hexachlorobenzene	10 U
34443001	BS123ER	11/17/92	87-86-5	Pentachlorophenol	25 U
34443001	BS123ER	11/17/92	85-01-8	Phenanthrene	10 U
34443001	BS123ER	11/17/92	120-12-7	Anthracene	10 U
34443001	BS123ER	11/17/92	86-74-8	Carbazole	10 U
34443001	BS123ER	11/17/92	84-74-2	Di-n-butylphthalate	10 U
34443001	BS123ER	11/17/92	206-44-0	Fluoranthene	10 U
34443001	BS123ER	11/17/92	129-00-0	Pyrene	10 U
34443001	BS123ER	11/17/92	85-68-7	Butylbenzylphthalate	10 U
34443001	BS123ER	11/17/92	91-94-1	3,3'-Dichlorobenzidine	10 U
34443001	BS123ER	11/17/92	56-55-3	Benzo(a)anthracene	10 U
34443001	BS123ER	11/17/92	218-01-9	Chrysene	10 U
34443001	BS123ER	11/17/92	117-81-7	bis(2-Ethylhexyl)phthalate	10 U
34443001	BS123ER	11/17/92	117-84-0	Di-n-octylphthalate	10 U
34443001	BS123ER	11/17/92	205-99-2	Benzo(b)fluoranthene	10 U
34443001	BS123ER	11/17/92	207-08-9	Benzo(k)fluoranthene	10 U
34443001	BS123ER	11/17/92	50-32-8	Benzo(a)pyrene	10 U
34443001	BS123ER	11/17/92	193-39-5	Indeno(1,2,3-cd)pyrene	10 U
34443001	BS123ER	11/17/92	53-70-3	Dibenz(a,h)anthracene	10 U
34443001	BS123ER	11/17/92	191-24-2	Benzo(g,h,i)perylene	10 U

Date Extracted: 11/19/92
Date Analyzed: 11/23/92
Dilution Factor: 1.0

Hydropunch Groundwater Samples
March 1993

PROJECT: NSB KINGSBAY, GEORGIA

VOLATILE AQUEOUS ANALYSES (ug/l)

VALIDATION SUMMARY TABLE

	SAMPLE NUMBER:	11G15030	11G15230	11G15230D	11G15885	11G15940	11G16035
	LAB NUMBER:	35388001	35388006	35388007	35433003	35442002	35442003
	DATE SAMPLED:	03/17/93	03/17/93	03/17/93	03/22/93	03/23/93	03/23/93
	DATE ANALYZED:	03/24/93	03/23/93	03/24/93	03/29/93	03/30/93	03/30/93
	DILUTION FACTOR:	1	1	1	1	1	1
Compound	CRQL						
Chloromethane	1	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	1	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	1	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U
Methylene chloride	2	2 U	37	41	2 U	2 U	3
Acetone	5	5 U	280	310	800	5 U	24 U
Carbon disulfide	1	3	200	250	1 U	1 U	3
1,1-Dichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1	1 U	12	14	1 U	1 U	17
cis-1,2-Dichloroethene	1	1 U	2	2	1 U	6	22
trans-1,2-Dichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	1	1 U	1 U	1 U	3	1 U	1 U
1,2-Dichloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	5	5 U	440	480	5 U	5 U	5 U
1,1,1-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	3	3	1 U	1 U	3
Dibromochloromethane	1	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	1	1 U	1	1	1 U	1 U	5
trans-1,3-Dichloropropene	1	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	1	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	5	5 U	19	17	5 U	5 U	5 U
4-Methyl-2-Pentanone	5	5 U	100	110	5 U	5 U	5 U
Tetrachloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1	1 U	720	840	2	1 U	11
Chlorobenzene	1	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	1	1 U	16	18	1 U	15	6
Styrene	1	1 U	1 U	1 U	1 U	1 U	1 U
Xylene (total)	1	1 U	62	67	1 U	12	14
1,3-Dichlorobenzene	1	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1	1 U	1 U	1 U	1 U	3	1 U
1,2-Dichlorobenzene	1	1 U	1 U	1 U	1 U	1 U	1 U

Private Irrigation Well Samples
January 1993

VALIDATED DATA FOR OFF-SITE PRIVATE IRRIGATION WELL SAMPLES

Lab Number	Location	Date Collected	Parameter	Concentration (ug/l)
34858001	CRPPW52	01/12/93	Chloromethane	1 U
34858001	CRPPW52	01/12/93	Bromomethane	1 U
34858001	CRPPW52	01/12/93	Vinyl chloride	1 U
34858001	CRPPW52	01/12/93	Chloroethane	1 U
34858001	CRPPW52	01/12/93	Methylene chloride	2 U
34858001	CRPPW52	01/12/93	Acetone	3 J
34858001	CRPPW52	01/12/93	Carbon disulfide	130
34858001	CRPPW52	01/12/93	1,1-Dichloroethene	1 U
34858001	CRPPW52	01/12/93	1,1-Dichloroethane	1 U
34858001	CRPPW52	01/12/93	cis-1,2-Dichloroethene	1 U
34858001	CRPPW52	01/12/93	trans-1,2-Dichloroethene	1 U
34858001	CRPPW52	01/12/93	Chloroform	1 U
34858001	CRPPW52	01/12/93	1,2-Dichloroethane	1 U
34858001	CRPPW52	01/12/93	2-Butanone	5 U
34858001	CRPPW52	01/12/93	1,1,1-Trichloroethane	1 U
34858001	CRPPW52	01/12/93	Carbon tetrachloride	1 U
34858001	CRPPW52	01/12/93	Bromodichloromethane	1 U
34858001	CRPPW52	01/12/93	1,2-Dichloropropane	1 U
34858001	CRPPW52	01/12/93	cis-1,3-Dichloropropane	1 U
34858001	CRPPW52	01/12/93	Trichloroethene	1 U
34858001	CRPPW52	01/12/93	Dibromochloromethane	1 U
34858001	CRPPW52	01/12/93	1,1,2-Trichloroethane	1 U
34858001	CRPPW52	01/12/93	Benzene	1 U
34858001	CRPPW52	01/12/93	trans-1,3-Dichloropropene	1 U
34858001	CRPPW52	01/12/93	Bromoform	1 U
34858001	CRPPW52	01/12/93	2-Hexanone	5 U
34858001	CRPPW52	01/12/93	4-Methyl-2-pentanone	5 U
34858001	CRPPW52	01/12/93	Tetrachloroethene	1 U
34858001	CRPPW52	01/12/93	1,1,2,2-Tetrachloroethane	1 U
34858001	CRPPW52	01/12/93	Toluene	1 U
34858001	CRPPW52	01/12/93	Chlorobenzene	1 U
34858001	CRPPW52	01/12/93	Ethylbenzene	1 U
34858001	CRPPW52	01/12/93	Styrene	1 U
34858001	CRPPW52	01/12/93	Xylenes (total)	1 U
34858001	CRPPW52	01/12/93	1,3-Dichlorobenzene	1 U
34858001	CRPPW52	01/12/93	1,4-Dichlorobenzene	1 U
34858001	CRPPW52	01/12/93	1,2-Dichlorobenzene	1 U

Date Analyzed: 01/15/93
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE PRIVATE IRRIGATION WELL SAMPLES

Lab Number	Location	Date Collected	Parameter	Concentration (ug/l)
34858002	CRPPW53	01/12/93	Chloromethane	1 U
34858002	CRPPW53	01/12/93	Bromomethane	1 U
34858002	CRPPW53	01/12/93	Vinyl chloride	1 U
34858002	CRPPW53	01/12/93	Chloroethane	1 U
34858002	CRPPW53	01/12/93	Methylene chloride	2 U
34858002	CRPPW53	01/12/93	Acetone	4 J
34858002	CRPPW53	01/12/93	Carbon disulfide	1 U
34858002	CRPPW53	01/12/93	1,1-Dichloroethene	1 U
34858002	CRPPW53	01/12/93	1,1-Dichloroethane	1 U
34858002	CRPPW53	01/12/93	cis-1,2-Dichloroethene	1 U
34858002	CRPPW53	01/12/93	trans-1,2-Dichloroethene	1 U
34858002	CRPPW53	01/12/93	Chloroform	1 U
34858002	CRPPW53	01/12/93	1,2-Dichloroethane	1 U
34858002	CRPPW53	01/12/93	2-Butanone	5 U
34858002	CRPPW53	01/12/93	1,1,1-Trichloroethane	1 U
34858002	CRPPW53	01/12/93	Carbon tetrachloride	1 U
34858002	CRPPW53	01/12/93	Bromodichloromethane	1 U
34858002	CRPPW53	01/12/93	1,2-Dichloropropane	1 U
34858002	CRPPW53	01/12/93	cis-1,3-Dichloropropane	1 U
34858002	CRPPW53	01/12/93	Trichloroethene	1 U
34858002	CRPPW53	01/12/93	Dibromochloromethane	1 U
34858002	CRPPW53	01/12/93	1,1,2-Trichloroethane	1 U
34858002	CRPPW53	01/12/93	Benzene	1 U
34858002	CRPPW53	01/12/93	trans-1,3-Dichloropropene	1 U
34858002	CRPPW53	01/12/93	Bromoform	1 U
34858002	CRPPW53	01/12/93	2-Hexanone	5 U
34858002	CRPPW53	01/12/93	4-Methyl-2-pentanone	5 U
34858002	CRPPW53	01/12/93	Tetrachloroethene	1 U
34858002	CRPPW53	01/12/93	1,1,2,2-Tetrachloroethane	1 U
34858002	CRPPW53	01/12/93	Toluene	1 U
34858002	CRPPW53	01/12/93	Chlorobenzene	1 U
34858002	CRPPW53	01/12/93	Ethylbenzene	1 U
34858002	CRPPW53	01/12/93	Styrene	1 U
34858002	CRPPW53	01/12/93	Xylenes (total)	1 U
34858002	CRPPW53	01/12/93	1,3-Dichlorobenzene	1 U
34858002	CRPPW53	01/12/93	1,4-Dichlorobenzene	1 U
34858002	CRPPW53	01/12/93	1,2-Dichlorobenzene	1 U

Date Analyzed: 01/14/93
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE PRIVATE IRRIGATION WELL SAMPLES

Lab Number	Location	Date Collected	Parameter	Concentration (ug/l)
34858003	CRPPW54	01/12/93	Chloromethane	1 U
34858003	CRPPW54	01/12/93	Bromomethane	1 U
34858003	CRPPW54	01/12/93	Vinyl chloride	1 U
34858003	CRPPW54	01/12/93	Chloroethane	1 U
34858003	CRPPW54	01/12/93	Methylene chloride	2 U
34858003	CRPPW54	01/12/93	Acetone	5 U
34858003	CRPPW54	01/12/93	Carbon disulfide	1 U
34858003	CRPPW54	01/12/93	1,1-Dichloroethene	1 U
34858003	CRPPW54	01/12/93	1,1-Dichloroethane	1 U
34858003	CRPPW54	01/12/93	cis-1,2-Dichloroethene	1 U
34858003	CRPPW54	01/12/93	trans-1,2-Dichloroethene	1 U
34858003	CRPPW54	01/12/93	Chloroform	1 U
34858003	CRPPW54	01/12/93	1,2-Dichloroethane	1 U
34858003	CRPPW54	01/12/93	2-Butanone	5 U
34858003	CRPPW54	01/12/93	1,1,1-Trichloroethane	1 U
34858003	CRPPW54	01/12/93	Carbon tetrachloride	1 U
34858003	CRPPW54	01/12/93	Bromodichloromethane	1 U
34858003	CRPPW54	01/12/93	1,2-Dichloropropane	1 U
34858003	CRPPW54	01/12/93	cis-1,3-Dichloropropane	1 U
34858003	CRPPW54	01/12/93	Trichloroethene	1 U
34858003	CRPPW54	01/12/93	Dibromochloromethane	1 U
34858003	CRPPW54	01/12/93	1,1,2-Trichloroethane	1 U
34858003	CRPPW54	01/12/93	Benzene	1 U
34858003	CRPPW54	01/12/93	trans-1,3-Dichloropropene	1 U
34858003	CRPPW54	01/12/93	Bromoform	1 U
34858003	CRPPW54	01/12/93	2-Hexanone	5 U
34858003	CRPPW54	01/12/93	4-Methyl-2-pentanone	5 U
34858003	CRPPW54	01/12/93	Tetrachloroethene	1 U
34858003	CRPPW54	01/12/93	1,1,2,2-Tetrachloroethane	1 U
34858003	CRPPW54	01/12/93	Toluene	1 U
34858003	CRPPW54	01/12/93	Chlorobenzene	1 U
34858003	CRPPW54	01/12/93	Ethylbenzene	1 U
34858003	CRPPW54	01/12/93	Styrene	1 U
34858003	CRPPW54	01/12/93	Xylenes (total)	1 U
34858003	CRPPW54	01/12/93	1,3-Dichlorobenzene	1 U
34858003	CRPPW54	01/12/93	1,4-Dichlorobenzene	1 U
34858003	CRPPW54	01/12/93	1,2-Dichlorobenzene	1 U

Date Analyzed: 01/15/93
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE PRIVATE IRRIGATION WELL SAMPLES

Lab Number	Location	Date Collected	Parameter	Concentration (ug/l)
34858004	CRPPW55	01/12/93	Chloromethane	1 U
34858004	CRPPW55	01/12/93	Bromomethane	1 U
34858004	CRPPW55	01/12/93	Vinyl chloride	1 U
34858004	CRPPW55	01/12/93	Chloroethane	1 U
34858004	CRPPW55	01/12/93	Methylene chloride	2 U
34858004	CRPPW55	01/12/93	Acetone	19
34858004	CRPPW55	01/12/93	Carbon disulfide	1 U
34858004	CRPPW55	01/12/93	1,1-Dichloroethene	1 U
34858004	CRPPW55	01/12/93	1,1-Dichloroethane	1 U
34858004	CRPPW55	01/12/93	cis-1,2-Dichloroethene	1 U
34858004	CRPPW55	01/12/93	trans-1,2-Dichloroethene	1 U
34858004	CRPPW55	01/12/93	Chloroform	1 U
34858004	CRPPW55	01/12/93	1,2-Dichloroethane	1 U
34858004	CRPPW55	01/12/93	2-Butanone	5 U
34858004	CRPPW55	01/12/93	1,1,1-Trichloroethane	1 U
34858004	CRPPW55	01/12/93	Carbon tetrachloride	1 U
34858004	CRPPW55	01/12/93	Bromodichloromethane	1 U
34858004	CRPPW55	01/12/93	1,2-Dichloropropane	1 U
34858004	CRPPW55	01/12/93	cis-1,3-Dichloropropane	1 U
34858004	CRPPW55	01/12/93	Trichloroethene	1 U
34858004	CRPPW55	01/12/93	Dibromochloromethane	1 U
34858004	CRPPW55	01/12/93	1,1,2-Trichloroethane	1 U
34858004	CRPPW55	01/12/93	Benzene	1 U
34858004	CRPPW55	01/12/93	trans-1,3-Dichloropropene	1 U
34858004	CRPPW55	01/12/93	Bromoform	1 U
34858004	CRPPW55	01/12/93	2-Hexanone	5 U
34858004	CRPPW55	01/12/93	4-Methyl-2-pentanone	5 U
34858004	CRPPW55	01/12/93	Tetrachloroethene	1 U
34858004	CRPPW55	01/12/93	1,1,2,2-Tetrachloroethane	1 U
34858004	CRPPW55	01/12/93	Toluene	1 U
34858004	CRPPW55	01/12/93	Chlorobenzene	1 U
34858004	CRPPW55	01/12/93	Ethylbenzene	1 U
34858004	CRPPW55	01/12/93	Styrene	1 U
34858004	CRPPW55	01/12/93	Xylenes (total)	1 U
34858004	CRPPW55	01/12/93	1,3-Dichlorobenzene	1 U
34858004	CRPPW55	01/12/93	1,4-Dichlorobenzene	1 U
34858004	CRPPW55	01/12/93	1,2-Dichlorobenzene	1 U

Date Analyzed: 01/15/93
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE PRIVATE IRRIGATION WELL SAMPLES

Lab Number	Location	Date Collected	Parameter	Concentration (ug/l)
34858005	CRPPW56	01/12/93	Chloromethane	1 U
34858005	CRPPW56	01/12/93	Bromomethane	1 U
34858005	CRPPW56	01/12/93	Vinyl chloride	1 U
34858005	CRPPW56	01/12/93	Chloroethane	1 U
34858005	CRPPW56	01/12/93	Methylene chloride	2 U
34858005	CRPPW56	01/12/93	Acetone	9
34858005	CRPPW56	01/12/93	Carbon disulfide	4
34858005	CRPPW56	01/12/93	1,1-Dichloroethene	1 U
34858005	CRPPW56	01/12/93	1,1-Dichloroethane	1 U
34858005	CRPPW56	01/12/93	cis-1,2-Dichloroethene	1 U
34858005	CRPPW56	01/12/93	trans-1,2-Dichloroethene	1 U
34858005	CRPPW56	01/12/93	Chloroform	1 U
34858005	CRPPW56	01/12/93	1,2-Dichloroethane	1 U
34858005	CRPPW56	01/12/93	2-Butanone	5 U
34858005	CRPPW56	01/12/93	1,1,1-Trichloroethane	1 U
34858005	CRPPW56	01/12/93	Carbon tetrachloride	1 U
34858005	CRPPW56	01/12/93	Bromodichloromethane	1 U
34858005	CRPPW56	01/12/93	1,2-Dichloropropane	1 U
34858005	CRPPW56	01/12/93	cis-1,3-Dichloropropane	1 U
34858005	CRPPW56	01/12/93	Trichloroethene	1 U
34858005	CRPPW56	01/12/93	Dibromochloromethane	1 U
34858005	CRPPW56	01/12/93	1,1,2-Trichloroethane	1 U
34858005	CRPPW56	01/12/93	Benzene	1 U
34858005	CRPPW56	01/12/93	trans-1,3-Dichloropropene	1 U
34858005	CRPPW56	01/12/93	Bromoform	1 U
34858005	CRPPW56	01/12/93	2-Hexanone	5 U
34858005	CRPPW56	01/12/93	4-Methyl-2-pentanone	5 U
34858005	CRPPW56	01/12/93	Tetrachloroethene	1 U
34858005	CRPPW56	01/12/93	1,1,2,2-Tetrachloroethane	1 U
34858005	CRPPW56	01/12/93	Toluene	1 U
34858005	CRPPW56	01/12/93	Chlorobenzene	1 U
34858005	CRPPW56	01/12/93	Ethylbenzene	1 U
34858005	CRPPW56	01/12/93	Styrene	1 U
34858005	CRPPW56	01/12/93	Xylenes (total)	1 U
34858005	CRPPW56	01/12/93	1,3-Dichlorobenzene	1 U
34858005	CRPPW56	01/12/93	1,4-Dichlorobenzene	1 U
34858005	CRPPW56	01/12/93	1,2-Dichlorobenzene	1 U

Date Analyzed: 01/15/93
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE PRIVATE IRRIGATION WELL SAMPLES

Lab Number	Location	Date Collected	Parameter	Concentration (ug/l)
34858006	CRPPW57	01/12/93	Chloromethane	1 U
34858006	CRPPW57	01/12/93	Bromomethane	1 U
34858006	CRPPW57	01/12/93	Vinyl chloride	1 U
34858006	CRPPW57	01/12/93	Chloroethane	1 U
34858006	CRPPW57	01/12/93	Methylene chloride	2 U
34858006	CRPPW57	01/12/93	Acetone	4 J
34858006	CRPPW57	01/12/93	Carbon disulfide	1 U
34858006	CRPPW57	01/12/93	1,1-Dichloroethene	1 U
34858006	CRPPW57	01/12/93	1,1-Dichloroethane	1 U
34858006	CRPPW57	01/12/93	cis-1,2-Dichloroethene	1 U
34858006	CRPPW57	01/12/93	trans-1,2-Dichloroethene	1 U
34858006	CRPPW57	01/12/93	Chloroform	1 U
34858006	CRPPW57	01/12/93	1,2-Dichloroethane	1 U
34858006	CRPPW57	01/12/93	2-Butanone	5 U
34858006	CRPPW57	01/12/93	1,1,1-Trichloroethane	1 U
34858006	CRPPW57	01/12/93	Carbon tetrachloride	1 U
34858006	CRPPW57	01/12/93	Bromodichloromethane	1 U
34858006	CRPPW57	01/12/93	1,2-Dichloropropane	1 U
34858006	CRPPW57	01/12/93	cis-1,3-Dichloropropane	1 U
34858006	CRPPW57	01/12/93	Trichloroethene	60
34858006	CRPPW57	01/12/93	Dibromochloromethane	1 U
34858006	CRPPW57	01/12/93	1,1,2-Trichloroethane	1 U
34858006	CRPPW57	01/12/93	Benzene	1 U
34858006	CRPPW57	01/12/93	trans-1,3-Dichloropropene	1 U
34858006	CRPPW57	01/12/93	Bromoform	1 U
34858006	CRPPW57	01/12/93	2-Hexanone	5 U
34858006	CRPPW57	01/12/93	4-Methyl-2-pentanone	5 U
34858006	CRPPW57	01/12/93	Tetrachloroethene	1 U
34858006	CRPPW57	01/12/93	1,1,2,2-Tetrachloroethane	1 U
34858006	CRPPW57	01/12/93	Toluene	1
34858006	CRPPW57	01/12/93	Chlorobenzene	1 U
34858006	CRPPW57	01/12/93	Ethylbenzene	1 U
34858006	CRPPW57	01/12/93	Styrene	8
34858006	CRPPW57	01/12/93	Xylenes (total)	1 U
34858006	CRPPW57	01/12/93	1,3-Dichlorobenzene	1 U
34858006	CRPPW57	01/12/93	1,4-Dichlorobenzene	1 U
34858006	CRPPW57	01/12/93	1,2-Dichlorobenzene	1 U

Date Analyzed: 01/15/93
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE PRIVATE IRRIGATION WELL SAMPLES

Lab Number	Location	Date Collected	Parameter	Concentration (ug/l)
34858007	CRPPW58	01/12/93	Chloromethane	1 U
34858007	CRPPW58	01/12/93	Bromomethane	1 U
34858007	CRPPW58	01/12/93	Vinyl chloride	1 U
34858007	CRPPW58	01/12/93	Chloroethane	1 U
34858007	CRPPW58	01/12/93	Methylene chloride	2 U
34858007	CRPPW58	01/12/93	Acetone	4 J
34858007	CRPPW58	01/12/93	Carbon disulfide	1 U
34858007	CRPPW58	01/12/93	1,1-Dichloroethene	1 U
34858007	CRPPW58	01/12/93	1,1-Dichloroethane	1 U
34858007	CRPPW58	01/12/93	cis-1,2-Dichloroethene	1 U
34858007	CRPPW58	01/12/93	trans-1,2-Dichloroethene	1 U
34858007	CRPPW58	01/12/93	Chloroform	1 U
34858007	CRPPW58	01/12/93	1,2-Dichloroethane	1 U
34858007	CRPPW58	01/12/93	2-Butanone	5 U
34858007	CRPPW58	01/12/93	1,1,1-Trichloroethane	1 U
34858007	CRPPW58	01/12/93	Carbon tetrachloride	1 U
34858007	CRPPW58	01/12/93	Bromodichloromethane	1 U
34858007	CRPPW58	01/12/93	1,2-Dichloropropane	1 U
34858007	CRPPW58	01/12/93	cis-1,3-Dichloropropane	1 U
34858007	CRPPW58	01/12/93	Trichloroethene	1 U
34858007	CRPPW58	01/12/93	Dibromochloromethane	1 U
34858007	CRPPW58	01/12/93	1,1,2-Trichloroethane	1 U
34858007	CRPPW58	01/12/93	Benzene	1 U
34858007	CRPPW58	01/12/93	trans-1,3-Dichloropropene	1 U
34858007	CRPPW58	01/12/93	Bromoform	1 U
34858007	CRPPW58	01/12/93	2-Hexanone	5 U
34858007	CRPPW58	01/12/93	4-Methyl-2-pentanone	5 U
34858007	CRPPW58	01/12/93	Tetrachloroethene	1 U
34858007	CRPPW58	01/12/93	1,1,2,2-Tetrachloroethane	1 U
34858007	CRPPW58	01/12/93	Toluene	1 U
34858007	CRPPW58	01/12/93	Chlorobenzene	1 U
34858007	CRPPW58	01/12/93	Ethylbenzene	1 U
34858007	CRPPW58	01/12/93	Styrene	1 U
34858007	CRPPW58	01/12/93	Xylenes (total)	1 U
34858007	CRPPW58	01/12/93	1,3-Dichlorobenzene	1 U
34858007	CRPPW58	01/12/93	1,4-Dichlorobenzene	1 U
34858007	CRPPW58	01/12/93	1,2-Dichlorobenzene	1 U

Date Analyzed: 01/15/93
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE PRIVATE IRRIGATION WELL SAMPLES

Lab Number	Location	Date Collected	Parameter	Concentration (ug/l)
34858008	CRPPW59	01/12/93	Chloromethane	1 U
34858008	CRPPW59	01/12/93	Bromomethane	1 U
34858008	CRPPW59	01/12/93	Vinyl chloride	1 U
34858008	CRPPW59	01/12/93	Chloroethane	1 U
34858008	CRPPW59	01/12/93	Methylene chloride	2 U
34858008	CRPPW59	01/12/93	Acetone	5 U
34858008	CRPPW59	01/12/93	Carbon disulfide	1 U
34858008	CRPPW59	01/12/93	1,1-Dichloroethene	1 U
34858008	CRPPW59	01/12/93	1,1-Dichloroethane	1 U
34858008	CRPPW59	01/12/93	cis-1,2-Dichloroethene	1 U
34858008	CRPPW59	01/12/93	trans-1,2-Dichloroethene	1 U
34858008	CRPPW59	01/12/93	Chloroform	11 U
34858008	CRPPW59	01/12/93	1,2-Dichloroethane	1 U
34858008	CRPPW59	01/12/93	2-Butanone	5 U
34858008	CRPPW59	01/12/93	1,1,1-Trichloroethane	1 U
34858008	CRPPW59	01/12/93	Carbon tetrachloride	1 U
34858008	CRPPW59	01/12/93	Bromodichloromethane	16
34858008	CRPPW59	01/12/93	1,2-Dichloropropane	1 U
34858008	CRPPW59	01/12/93	cis-1,3-Dichloropropane	1 U
34858008	CRPPW59	01/12/93	Trichloroethene	1 U
34858008	CRPPW59	01/12/93	Dibromochloromethane	14
34858008	CRPPW59	01/12/93	1,1,2-Trichloroethane	1 U
34858008	CRPPW59	01/12/93	Benzene	1 U
34858008	CRPPW59	01/12/93	trans-1,3-Dichloropropene	1 U
34858008	CRPPW59	01/12/93	Bromoform	3
34858008	CRPPW59	01/12/93	2-Hexanone	5 U
34858008	CRPPW59	01/12/93	4-Methyl-2-pentanone	5 U
34858008	CRPPW59	01/12/93	Tetrachloroethene	1 U
34858008	CRPPW59	01/12/93	1,1,2,2-Tetrachloroethane	1 U
34858008	CRPPW59	01/12/93	Toluene	1 U
34858008	CRPPW59	01/12/93	Chlorobenzene	1 U
34858008	CRPPW59	01/12/93	Ethylbenzene	1 U
34858008	CRPPW59	01/12/93	Styrene	1 U
34858008	CRPPW59	01/12/93	Xylenes (total)	1 U
34858008	CRPPW59	01/12/93	1,3-Dichlorobenzene	1 U
34858008	CRPPW59	01/12/93	1,4-Dichlorobenzene	1 U
34858008	CRPPW59	01/12/93	1,2-Dichlorobenzene	1 U

Date Analyzed: 01/15/93
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE PRIVATE IRRIGATION WELL SAMPLES

Lab Number	Location	Date Collected	Parameter	Concentration (ug/l)
34858009	CRPPW59D	01/12/93	Chloromethane	1 U
34858009	CRPPW59D	01/12/93	Bromomethane	1 U
34858009	CRPPW59D	01/12/93	Vinyl chloride	1 U
34858009	CRPPW59D	01/12/93	Chloroethane	1 U
34858009	CRPPW59D	01/12/93	Methylene chloride	2 U
34858009	CRPPW59D	01/12/93	Acetone	5 U
34858009	CRPPW59D	01/12/93	Carbon disulfide	1 U
34858009	CRPPW59D	01/12/93	1,1-Dichloroethene	1 U
34858009	CRPPW59D	01/12/93	1,1-Dichloroethane	1 U
34858009	CRPPW59D	01/12/93	cis-1,2-Dichloroethene	1 U
34858009	CRPPW59D	01/12/93	trans-1,2-Dichloroethene	1 U
34858009	CRPPW59D	01/12/93	Chloroform	12 U
34858009	CRPPW59D	01/12/93	1,2-Dichloroethane	1 U
34858009	CRPPW59D	01/12/93	2-Butanone	5 U
34858009	CRPPW59D	01/12/93	1,1,1-Trichloroethane	1 U
34858009	CRPPW59D	01/12/93	Carbon tetrachloride	1 U
34858009	CRPPW59D	01/12/93	Bromodichloromethane	16
34858009	CRPPW59D	01/12/93	1,2-Dichloropropane	1 U
34858009	CRPPW59D	01/12/93	cis-1,3-Dichloropropane	1 U
34858009	CRPPW59D	01/12/93	Trichloroethene	1 U
34858009	CRPPW59D	01/12/93	Dibromochloromethane	14
34858009	CRPPW59D	01/12/93	1,1,2-Trichloroethane	1 U
34858009	CRPPW59D	01/12/93	Benzene	1 U
34858009	CRPPW59D	01/12/93	trans-1,3-Dichloropropene	1 U
34858009	CRPPW59D	01/12/93	Bromoform	2
34858009	CRPPW59D	01/12/93	2-Hexanone	5 U
34858009	CRPPW59D	01/12/93	4-Methyl-2-pentanone	5 U
34858009	CRPPW59D	01/12/93	Tetrachloroethene	1 U
34858009	CRPPW59D	01/12/93	1,1,2,2-Tetrachloroethane	1 U
34858009	CRPPW59D	01/12/93	Toluene	1 U
34858009	CRPPW59D	01/12/93	Chlorobenzene	1 U
34858009	CRPPW59D	01/12/93	Ethylbenzene	1 U
34858009	CRPPW59D	01/12/93	Styrene	1 U
34858009	CRPPW59D	01/12/93	Xylenes (total)	1 U
34858009	CRPPW59D	01/12/93	1,3-Dichlorobenzene	1 U
34858009	CRPPW59D	01/12/93	1,4-Dichlorobenzene	1 U
34858009	CRPPW59D	01/12/93	1,2-Dichlorobenzene	1 U

Date Analyzed: 01/15/93
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE PRIVATE IRRIGATION WELL SAMPLES

Lab Number	Location	Date Collected	Parameter	Concentration (ug/l)
34874001	CRPPW60	01/13/93	Chloromethane	1 U
34874001	CRPPW60	01/13/93	Bromomethane	1 U
34874001	CRPPW60	01/13/93	Vinyl chloride	1 U
34874001	CRPPW60	01/13/93	Chloroethane	1 U
34874001	CRPPW60	01/13/93	Methylene chloride	2 U
34874001	CRPPW60	01/13/93	Acetone	21 U
34874001	CRPPW60	01/13/93	Carbon disulfide	150
34874001	CRPPW60	01/13/93	1,1-Dichloroethene	1 U
34874001	CRPPW60	01/13/93	1,1-Dichloroethane	1 U
34874001	CRPPW60	01/13/93	cis-1,2-Dichloroethene	1 U
34874001	CRPPW60	01/13/93	trans-1,2-Dichloroethene	1 U
34874001	CRPPW60	01/13/93	Chloroform	1 U
34874001	CRPPW60	01/13/93	1,2-Dichloroethane	1 U
34874001	CRPPW60	01/13/93	2-Butanone	5 U
34874001	CRPPW60	01/13/93	1,1,1-Trichloroethane	1 U
34874001	CRPPW60	01/13/93	Carbon tetrachloride	1 U
34874001	CRPPW60	01/13/93	Bromodichloromethane	1 U
34874001	CRPPW60	01/13/93	1,2-Dichloropropane	1 U
34874001	CRPPW60	01/13/93	cis-1,3-Dichloropropane	1 U
34874001	CRPPW60	01/13/93	Trichloroethene	1 U
34874001	CRPPW60	01/13/93	Dibromochloromethane	1 U
34874001	CRPPW60	01/13/93	1,1,2-Trichloroethane	1 U
34874001	CRPPW60	01/13/93	Benzene	1 U
34874001	CRPPW60	01/13/93	trans-1,3-Dichloropropene	1 U
34874001	CRPPW60	01/13/93	Bromoform	1 U
34874001	CRPPW60	01/13/93	2-Hexanone	5 U
34874001	CRPPW60	01/13/93	4-Methyl-2-pentanone	5 U
34874001	CRPPW60	01/13/93	Tetrachloroethene	1 U
34874001	CRPPW60	01/13/93	1,1,2,2-Tetrachloroethane	1 U
34874001	CRPPW60	01/13/93	Toluene	1 U
34874001	CRPPW60	01/13/93	Chlorobenzene	1 U
34874001	CRPPW60	01/13/93	Ethylbenzene	1 U
34874001	CRPPW60	01/13/93	Styrene	1 U
34874001	CRPPW60	01/13/93	Xylenes (total)	1 U
34874001	CRPPW60	01/13/93	1,3-Dichlorobenzene	1 U
34874001	CRPPW60	01/13/93	1,4-Dichlorobenzene	1 U
34874001	CRPPW60	01/13/93	1,2-Dichlorobenzene	1 U

Date Analyzed: 01/25/93
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE PRIVATE IRRIGATION WELL SAMPLES

Lab Number	Location	Date Collected	Parameter	Concentration (ug/l)
34874002	CRPPW55D	01/13/93	Chloromethane	1 U
34874002	CRPPW55D	01/13/93	Bromomethane	1 U
34874002	CRPPW55D	01/13/93	Vinyl chloride	1 U
34874002	CRPPW55D	01/13/93	Chloroethane	1 U
34874002	CRPPW55D	01/13/93	Methylene chloride	2 U
34874002	CRPPW55D	01/13/93	Acetone	32 U
34874002	CRPPW55D	01/13/93	Carbon disulfide	1 U
34874002	CRPPW55D	01/13/93	1,1-Dichloroethene	1 U
34874002	CRPPW55D	01/13/93	1,1-Dichloroethane	1 U
34874002	CRPPW55D	01/13/93	cis-1,2-Dichloroethene	1 U
34874002	CRPPW55D	01/13/93	trans-1,2-Dichloroethene	1 U
34874002	CRPPW55D	01/13/93	Chloroform	1 U
34874002	CRPPW55D	01/13/93	1,2-Dichloroethane	1 U
34874002	CRPPW55D	01/13/93	2-Butanone	5 U
34874002	CRPPW55D	01/13/93	1,1,1-Trichloroethane	1 U
34874002	CRPPW55D	01/13/93	Carbon tetrachloride	1 U
34874002	CRPPW55D	01/13/93	Bromodichloromethane	1 U
34874002	CRPPW55D	01/13/93	1,2-Dichloropropane	1 U
34874002	CRPPW55D	01/13/93	cis-1,3-Dichloropropane	1 U
34874002	CRPPW55D	01/13/93	Trichloroethene	1 U
34874002	CRPPW55D	01/13/93	Dibromochloromethane	1 U
34874002	CRPPW55D	01/13/93	1,1,2-Trichloroethane	1 U
34874002	CRPPW55D	01/13/93	Benzene	1 U
34874002	CRPPW55D	01/13/93	trans-1,3-Dichloropropene	1 U
34874002	CRPPW55D	01/13/93	Bromoform	1 U
34874002	CRPPW55D	01/13/93	2-Hexanone	5 U
34874002	CRPPW55D	01/13/93	4-Methyl-2-pentanone	5 U
34874002	CRPPW55D	01/13/93	Tetrachloroethene	1 U
34874002	CRPPW55D	01/13/93	1,1,2,2-Tetrachloroethane	1 U
34874002	CRPPW55D	01/13/93	Toluene	1 U
34874002	CRPPW55D	01/13/93	Chlorobenzene	1 U
34874002	CRPPW55D	01/13/93	Ethylbenzene	1 U
34874002	CRPPW55D	01/13/93	Styrene	1 U
34874002	CRPPW55D	01/13/93	Xylenes (total)	1 U
34874002	CRPPW55D	01/13/93	1,3-Dichlorobenzene	1 U
34874002	CRPPW55D	01/13/93	1,4-Dichlorobenzene	1 U
34874002	CRPPW55D	01/13/93	1,2-Dichlorobenzene	1 U

Date Analyzed: 01/25/93
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE PRIVATE IRRIGATION WELL SAMPLES

Lab Number	Location	Date Collected	Parameter	Concentration (ug/l)
34874003	CRPPW61	01/13/93	Chloromethane	1 U
34874003	CRPPW61	01/13/93	Bromomethane	1 U
34874003	CRPPW61	01/13/93	Vinyl chloride	1 U
34874003	CRPPW61	01/13/93	Chloroethane	1 U
34874003	CRPPW61	01/13/93	Methylene chloride	2 U
34874003	CRPPW61	01/13/93	Acetone	14 U
34874003	CRPPW61	01/13/93	Carbon disulfide	1 U
34874003	CRPPW61	01/13/93	1,1-Dichloroethene	1 U
34874003	CRPPW61	01/13/93	1,1-Dichloroethane	1 U
34874003	CRPPW61	01/13/93	cis-1,2-Dichloroethene	1 U
34874003	CRPPW61	01/13/93	trans-1,2-Dichloroethene	1 U
34874003	CRPPW61	01/13/93	Chloroform	1 U
34874003	CRPPW61	01/13/93	1,2-Dichloroethane	1 U
34874003	CRPPW61	01/13/93	2-Butanone	5 U
34874003	CRPPW61	01/13/93	1,1,1-Trichloroethane	1 U
34874003	CRPPW61	01/13/93	Carbon tetrachloride	1 U
34874003	CRPPW61	01/13/93	Bromodichloromethane	1 U
34874003	CRPPW61	01/13/93	1,2-Dichloropropane	1 U
34874003	CRPPW61	01/13/93	cis-1,3-Dichloropropane	1 U
34874003	CRPPW61	01/13/93	Trichloroethene	1 U
34874003	CRPPW61	01/13/93	Dibromochloromethane	1 U
34874003	CRPPW61	01/13/93	1,1,2-Trichloroethane	1 U
34874003	CRPPW61	01/13/93	Benzene	1 U
34874003	CRPPW61	01/13/93	trans-1,3-Dichloropropene	1 U
34874003	CRPPW61	01/13/93	Bromoform	1 U
34874003	CRPPW61	01/13/93	2-Hexanone	5 U
34874003	CRPPW61	01/13/93	4-Methyl-2-pentanone	5 U
34874003	CRPPW61	01/13/93	Tetrachloroethene	1 U
34874003	CRPPW61	01/13/93	1,1,2,2-Tetrachloroethane	1 U
34874003	CRPPW61	01/13/93	Toluene	1 U
34874003	CRPPW61	01/13/93	Chlorobenzene	1 U
34874003	CRPPW61	01/13/93	Ethylbenzene	1 U
34874003	CRPPW61	01/13/93	Styrene	1 U
34874003	CRPPW61	01/13/93	Xylenes (total)	1 U
34874003	CRPPW61	01/13/93	1,3-Dichlorobenzene	1 U
34874003	CRPPW61	01/13/93	1,4-Dichlorobenzene	1 U
34874003	CRPPW61	01/13/93	1,2-Dichlorobenzene	1 U

Date Analyzed: 01/25/93
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE PRIVATE IRRIGATION WELL SAMPLES

Lab Number	Location	Date Collected	Parameter	Concentration (ug/l)
34874004	CRPPW61D	01/13/93	Chloromethane	1 U
34874004	CRPPW61D	01/13/93	Bromomethane	1 U
34874004	CRPPW61D	01/13/93	Vinyl chloride	1 U
34874004	CRPPW61D	01/13/93	Chloroethane	1 U
34874004	CRPPW61D	01/13/93	Methylene chloride	2 U
34874004	CRPPW61D	01/13/93	Acetone	16 U
34874004	CRPPW61D	01/13/93	Carbon disulfide	1 U
34874004	CRPPW61D	01/13/93	1,1-Dichloroethene	1 U
34874004	CRPPW61D	01/13/93	1,1-Dichloroethane	1 U
34874004	CRPPW61D	01/13/93	cis-1,2-Dichloroethene	1 U
34874004	CRPPW61D	01/13/93	trans-1,2-Dichloroethene	1 U
34874004	CRPPW61D	01/13/93	Chloroform	1 U
34874004	CRPPW61D	01/13/93	1,2-Dichloroethane	1 U
34874004	CRPPW61D	01/13/93	2-Butanone	5
34874004	CRPPW61D	01/13/93	1,1,1-Trichloroethane	1 U
34874004	CRPPW61D	01/13/93	Carbon tetrachloride	1 U
34874004	CRPPW61D	01/13/93	Bromodichloromethane	1 U
34874004	CRPPW61D	01/13/93	1,2-Dichloropropane	1 U
34874004	CRPPW61D	01/13/93	cis-1,3-Dichloropropane	1 U
34874004	CRPPW61D	01/13/93	Trichloroethene	1 U
34874004	CRPPW61D	01/13/93	Dibromochloromethane	1 U
34874004	CRPPW61D	01/13/93	1,1,2-Trichloroethane	1 U
34874004	CRPPW61D	01/13/93	Benzene	1 U
34874004	CRPPW61D	01/13/93	trans-1,3-Dichloropropene	1 U
34874004	CRPPW61D	01/13/93	Bromoform	1 U
34874004	CRPPW61D	01/13/93	2-Hexanone	5 U
34874004	CRPPW61D	01/13/93	4-Methyl-2-pentanone	5 U
34874004	CRPPW61D	01/13/93	Tetrachloroethene	1 U
34874004	CRPPW61D	01/13/93	1,1,2,2-Tetrachloroethane	1 U
34874004	CRPPW61D	01/13/93	Toluene	1 U
34874004	CRPPW61D	01/13/93	Chlorobenzene	1 U
34874004	CRPPW61D	01/13/93	Ethylbenzene	1 U
34874004	CRPPW61D	01/13/93	Styrene	1 U
34874004	CRPPW61D	01/13/93	Xylenes (total)	1 U
34874004	CRPPW61D	01/13/93	1,3-Dichlorobenzene	1 U
34874004	CRPPW61D	01/13/93	1,4-Dichlorobenzene	1 U
34874004	CRPPW61D	01/13/93	1,2-Dichlorobenzene	1 U

Date Analyzed: 01/25/93
Dilution Factor: 1.0

VALIDATED DATA FOR OFF-SITE PRIVATE IRRIGATION WELL SAMPLES

Lab Number	Location	Date Collected	Parameter	Concentration (ug/l)
34874005	CRPPW62	01/13/93	Chloromethane	1 U
34874005	CRPPW62	01/13/93	Bromomethane	1 U
34874005	CRPPW62	01/13/93	Vinyl chloride	1 U
34874005	CRPPW62	01/13/93	Chloroethane	1 U
34874005	CRPPW62	01/13/93	Methylene chloride	2 U
34874005	CRPPW62	01/13/93	Acetone	5 U
34874005	CRPPW62	01/13/93	Carbon disulfide	3
34874005	CRPPW62	01/13/93	1,1-Dichloroethene	1 U
34874005	CRPPW62	01/13/93	1,1-Dichloroethane	1 U
34874005	CRPPW62	01/13/93	cis-1,2-Dichloroethene	1 U
34874005	CRPPW62	01/13/93	trans-1,2-Dichloroethene	1 U
34874005	CRPPW62	01/13/93	Chloroform	1 U
34874005	CRPPW62	01/13/93	1,2-Dichloroethane	1 U
34874005	CRPPW62	01/13/93	2-Butanone	5 U
34874005	CRPPW62	01/13/93	1,1,1-Trichloroethane	1 U
34874005	CRPPW62	01/13/93	Carbon tetrachloride	1 U
34874005	CRPPW62	01/13/93	Bromodichloromethane	1 U
34874005	CRPPW62	01/13/93	1,2-Dichloropropane	1 U
34874005	CRPPW62	01/13/93	cis-1,3-Dichloropropane	1 U
34874005	CRPPW62	01/13/93	Trichloroethene	1 U
34874005	CRPPW62	01/13/93	Dibromochloromethane	1 U
34874005	CRPPW62	01/13/93	1,1,2-Trichloroethane	1 U
34874005	CRPPW62	01/13/93	Benzene	1 U
34874005	CRPPW62	01/13/93	trans-1,3-Dichloropropene	1 U
34874005	CRPPW62	01/13/93	Bromoform	1 U
34874005	CRPPW62	01/13/93	2-Hexanone	5 U
34874005	CRPPW62	01/13/93	4-Methyl-2-pentanone	5 U
34874005	CRPPW62	01/13/93	Tetrachloroethene	1 U
34874005	CRPPW62	01/13/93	1,1,2,2-Tetrachloroethane	1 U
34874005	CRPPW62	01/13/93	Toluene	1 U
34874005	CRPPW62	01/13/93	Chlorobenzene	1 U
34874005	CRPPW62	01/13/93	Ethylbenzene	1 U
34874005	CRPPW62	01/13/93	Styrene	1 U
34874005	CRPPW62	01/13/93	Xylenes (total)	1 U
34874005	CRPPW62	01/13/93	1,3-Dichlorobenzene	1 U
34874005	CRPPW62	01/13/93	1,4-Dichlorobenzene	1 U
34874005	CRPPW62	01/13/93	1,2-Dichlorobenzene	1 U

Date Analyzed: 01/26/93
Dilution Factor: 1.0

Trip Blanks
Rinsate Blanks
Source Water Blanks
March 1993

PROJECT: NSB KINGSBAY, GEORGIA

PARAMETER : VOLATILE AQUEOUS ANALYSES (ug/l)

VALIDATION SUMMARY TABLE

	SAMPLE NUMBER:	BT118FB	BT119FB	BT120FB	BS126ER	BS130ER	BS131ER
	LAB NUMBER:	35388K05	35433K01	35442K01	35388002	35433K02	35442K04
	DATE SAMPLED:	03/17/93	03/22/93	03/23/93	03/17/93	03/22/93	03/23/93
	DATE ANALYZED:	03/23/93	03/29/93	03/30/93	03/23/93	03/29/93	03/30/93
	DILUTION FACTOR:	1	1	1	1	1	1
Compound	CRQL						
Chloromethane	1	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	1	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	1	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U
Methylene chloride	2	2 U	2 U	2 U	2 U	2 U	2 U
Acetone	5	5 U	5 U	5 U	33 J	5 U	13
Carbon disulfide	1	1 U	1 U	1 U	2 U	1 U	1 U
1,1-Dichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	1	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	5	5 U	5 U	5 U	5 U	5 U	5 U
1,1,1-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	1	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	1	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	1	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	5	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	5	5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	1	1 U	1 U	1 U	1 U	1	1 U
Ethylbenzene	1	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	1	1 U	1 U	1 U	1 U	1 U	1 U
Xylene (total)	1	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	1	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1	1 U	1 U	1 U	1 U	1 U	1 U

PROJECT: NSB KINGSBAY, GEORGIA
PARAMETER : VOLATILE AQUEOUS ANALYSES (ug/l)

VALIDATION SUMMARY TABLE

	SAMPLE NUMBER:	BS113FB	BS114FB
	LAB NUMBER:	35388003	35388004
	DATE SAMPLED:	03/17/93	03/17/93
	DATE ANALYZED:	03/23/93	03/23/93
	DILUTION FACTOR:	1	1
Compound	CRQL		
Chloromethane	1	1 U	1 U
Bromomethane	1	1 U	1 U
Vinyl chloride	1	1 U	1 U
Chloroethane	1	1 U	1 U
Methylene chloride	2	2 U	2 U
Acetone	5	5 U	5 U
Carbon disulfide	1	1 U	1 U
1,1-Dichloroethene	1	1 U	1 U
1,1-Dichloroethane	1	1 U	1 U
cis-1,2-Dichloroethene	1	1 U	1 U
trans-1,2-Dichloroethene	1	1 U	1 U
Chloroform	1	1 U	34
1,2-Dichloroethane	1	1 U	1 U
2-Butanone	5	5 U	5 U
1,1,1-Trichloroethane	1	1 U	1 U
Carbon Tetrachloride	1	1 U	1 U
Bromodichloromethane	1	1 U	26
1,2-Dichloropropane	1	1 U	1 U
cis-1,3-Dichloropropene	1	1 U	1 U
Trichloroethene	1	1 U	1 U
Dibromochloromethane	1	1 U	15
1,1,2-Trichloroethane	1	1 U	1 U
Benzene	1	1 U	1 U
trans-1,3-Dichloropropene	1	1 U	1 U
Bromoform	1	1 U	2
2-Hexanone	5	5 U	5 U
4-Methyl-2-Pentanone	5	5 U	5 U
Tetrachloroethene	1	1 U	1 U
1,1,2,2-Tetrachloroethane	1	1 U	1 U
Toluene	1	1 U	1 U
Chlorobenzene	1	1 U	1 U
Ethylbenzene	1	1 U	1 U
Styrene	1	1 U	1 U
Xylene (total)	1	1 U	1 U
1,3-Dichlorobenzene	1	1 U	1 U
1,4-Dichlorobenzene	1	1 U	1 U
1,2-Dichlorobenzene	1	1 U	1 U

Trip Blank
January 1993

VALIDATED DATA FOR OFF-SITE TRIP BLANK SAMPLE

Lab Number	Location	Date Collected	Parameter	Concentration (ug/l)
34858K10	TRIP BLANK	01/12/93	Chloromethane	1 U
34858K10	TRIP BLANK	01/12/93	Bromomethane	1 U
34858K10	TRIP BLANK	01/12/93	Vinyl chloride	1 U
34858K10	TRIP BLANK	01/12/93	Chloroethane	1 U
34858K10	TRIP BLANK	01/12/93	Methylene chloride	2 U
34858K10	TRIP BLANK	01/12/93	Acetone	5 U
34858K10	TRIP BLANK	01/12/93	Carbon disulfide	1 U
34858K10	TRIP BLANK	01/12/93	1,1-Dichloroethene	1 U
34858K10	TRIP BLANK	01/12/93	1,1-Dichloroethane	1 U
34858K10	TRIP BLANK	01/12/93	cis-1,2-Dichloroethene	1 U
34858K10	TRIP BLANK	01/12/93	trans-1,2-Dichloroethene	1 U
34858K10	TRIP BLANK	01/12/93	Chloroform	22
34858K10	TRIP BLANK	01/12/93	1,2-Dichloroethane	1 U
34858K10	TRIP BLANK	01/12/93	2-Butanone	5 U
34858K10	TRIP BLANK	01/12/93	1,1,1-Trichloroethane	1 U
34858K10	TRIP BLANK	01/12/93	Carbon tetrachloride	1 U
34858K10	TRIP BLANK	01/12/93	Bromodichloromethane	1 U
34858K10	TRIP BLANK	01/12/93	1,2-Dichloropropane	1 U
34858K10	TRIP BLANK	01/12/93	cis-1,3-Dichloropropane	1 U
34858K10	TRIP BLANK	01/12/93	Trichloroethene	1 U
34858K10	TRIP BLANK	01/12/93	Dibromochloromethane	1 U
34858K10	TRIP BLANK	01/12/93	1,1,2-Trichloroethane	1 U
34858K10	TRIP BLANK	01/12/93	Benzene	1 U
34858K10	TRIP BLANK	01/12/93	trans-1,3-Dichloropropene	1 U
34858K10	TRIP BLANK	01/12/93	Bromoform	1 U
34858K10	TRIP BLANK	01/12/93	2-Hexanone	5 U
34858K10	TRIP BLANK	01/12/93	4-Methyl-2-pentanone	5 U
34858K10	TRIP BLANK	01/12/93	Tetrachloroethene	1 U
34858K10	TRIP BLANK	01/12/93	1,1,2,2-Tetrachloroethane	1 U
34858K10	TRIP BLANK	01/12/93	Toluene	1 U
34858K10	TRIP BLANK	01/12/93	Chlorobenzene	1 U
34858K10	TRIP BLANK	01/12/93	Ethylbenzene	1 U
34858K10	TRIP BLANK	01/12/93	Styrene	1 U
34858K10	TRIP BLANK	01/12/93	Xylenes (total)	1 U
34858K10	TRIP BLANK	01/12/93	1,3-Dichlorobenzene	1 U
34858K10	TRIP BLANK	01/12/93	1,4-Dichlorobenzene	1 U
34858K10	TRIP BLANK	01/12/93	1,2-Dichlorobenzene	1 U

Date Analyzed: 01/14/93
Dilution Factor: 1.0

Appendix D

Groundwater Monitoring Program Summary Tables

Table D-1 Summary of Laboratory Analysis of Groundwater Samples Collected from Site 11[1] - Round 1

Compounds Detected		Monitoring Well Number										
	KBA-	CRQL	11-1	11-2	11-3	11-3D	11-4	11-5	11-6	11-7	11-8	11-9
APPENDIX IX VOCs (μg/ℓ)												
Vinyl Chloride[2]		10	10 U	18	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 U
1,2-Dichloroethene		5	5 U	7	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone		10	10 U	10 U	10 U	10 U	10 U	10 U	3 J	10 U	10 U	10 U
Chlorobenzene		5	5 U	5 U	6	7	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene[2]		5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 J	5 U
Xylene (total)[2]		5	5 U	5 U	5 U	5 U	5 U	2 J	2 J	5 U	5	3 J
1,4-Dichlorobenzene[2]		5	5 U	5 U	13	15	5 U	5 U	1 J	5 U	5 U	5 U
APPENDIX IX SVOCs (μg/ℓ)												
1,4-Dichlorobenzene[2,3]		10	10 U	10 U	4 J	7 J	10 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate[2,3]		10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	9 J	10 U
bis(2-Ethylhexyl)-Phthalate[3]		10	10 U	10 U	31 UJ	10 U	10 U	10 U	10 U	94	10 U	10 U
APPENDIX IX Inorganics (μg/ℓ)												
Antimony[2,4]		60	10.9 U	10.9 UJ	11.1 J	10.9 UJ	11.4 J	10.9 U	10.9 U	10.9 U	10.9 U	10.9 U
Arsenic[2]		10	1.9 J	3.5 J	2.3 U	0.69 U	0.69 U	89.0	7.3 J	16.9	7.7 J	3.5 J
Barium[2]		200	61.6 J	228	155 J	280	192 J	617	262	285	102 J	135 J
Beryllium[2]		5	0.72 J	4.3 J	2.0 J	2.9 J	5.8	10.2	4.8 J	4.1 J	2.5 J	3.0 J
Cadmium[2]		5	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	3.5 J	2.9 U	2.9 U	2.9 U	2.9 U
Chromium[5]		10	44.4 J	247	113	177	297 J	620 J	261 J	354 J	139 J	121 J
Cobalt[2]		50	3.6 U	5.6 J	3.9 J	5.1 J	7.4 J	16.8 J	6.5 J	5.9 J	3.6 U	3.6 U
Copper		25	26.8 U	53.5 U	41.0 U	86.5 U	68.8	384	49.0	121	62.2	43.2
1Lead[6]		5	12.6 J	18.1 J	18.8 J	14.8 J	24.7 J	53.5 J	16.3 J	20.4 J	16.8 J	17.6 J
Mercury		0.2	0.16 U	0.60	0.60	0.67	1.4	2.9	1.0	1.9	0.58	0.28

See notes at end of table.

Table D-1 (continued) Summary of Laboratory Analysis of Groundwater Samples Collected from Site 11' - Round 1

Compounds Detected		Monitoring Well Number										
	KBA-	CRQL	11-1	11-2	11-3	11-3D	11-4	11-5	11-6	11-7	11-8	11-9
APPENDIX IX Inorganics (μg/ℓ)												
Nickel[2]		40	12.8 J	32.2 J	19.6 U	42.2	41.6	107	31.2 J	44.7	18.6 J	17.0 J
Selenium		5	6.9	25.6	24.5	26.0	14.6	9.4	13.8	10.4	11.4	6.4 U
Vanadium[2]		50	24.8 J	94.6	87.4	138	209	314	108	143	67.8	80.2
Zinc		20	20.1 U	53.3 U	54.8 U	102	86.1	269	211	82.1	93.6	38.1
Cyanide[2]		10	1.8 U	1.8 U	3.0 J	1.8 U	2.3 J	1.8 U	1.8 U	1.8 U	3.8 J	1.8 U
Sulfide		100	100 U	500	600	1000	1300	700	400	3400	300	200

Notes:
CRQL = Contract Required Quantitation Limit
U = not detected above or below CRQL

[1] No Appendix IX pesticides, PCBs, herbicides, or dioxins/furans were detected in groundwater samples.

Data Qualifiers

[2] Samples results flagged J as estimated because concentrations are less than the CRQL.
[3] Samples results for KBA-11-3 flagged J/UJ as estimated because surrogate recoveries were below QC limits.
[4] Technical Memorandum No. 1ed quantitation limits flagged UJ as estimated because matrix spike recoveries were below QC limits.
[5] Sample results flagged J as estimated because duplicate analysis was outside QC limits.

Table D-2 Summary of Laboratory Analysis of Groundwater Samples Collected from Site 11[1] - Round 2

Compounds Detected		Monitoring Well Number									
	CRQL	KBA-11-1	11-2	11-2D	11-3	11-4	11-5	11-6	11-7	11-8	11-9
APPENDIX IX VOCs (μg/ℓ)											
Vinyl Chloride	10	10 U	64	100	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane[2]	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 U
1,2-Dichloroethene	5	5 U	16	22	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene[2]	5	5 U	5 U	1 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene[2]	5	5 U	1 J	1 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene[2]	5	5 U	5 U	1 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5	5 U	5 U	5 U	6	5 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)[2]	5	5 U	2 J	4 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	5	5 U	5 U	5 U	15	5 U	5 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene[2]	5	5 U	5 U	5 U	5 U	5 U	5 U	1 J	5 U	5 U	5 U
APPENDIX IX SVOCs (μg/ℓ)											
1,4-Dichlorobenzene	10	10 U	10 U	10 U	13	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl-Phthalate[2]	10	10 U	10 U	10 U	31	10 U	4 J	5 J	10 U	10 U	10 U
APPENDIX IX Inorganics (μg/ℓ)											
Arsenic[3]	10	0.70 UJ	0.70 UJ	3.5 UJ	0.70 U	0.70 U	0.70 U	3.5 U	0.70 UJ	1.7 J	0.70 UJ
Barium[2]	200	95.7 J	26.2 J	25.9 J	54.2 J	30.2 J	71.7 J	34.6 J	26.2 J	43.4 J	43.8 J
Beryllium[2]	5	2.3 J	1.7 J	1.7 J	1.1 J	2.2 J	4.0 J	2.3 J	1.7 J	1.7 J	2.3 J
Cadmium[4]	5	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.3 J	1.0 UJ
Chromium	10	92.8	38.1	37.2	20.8	29.0	27.1	40.5	54.6	23.8	49.1
Copper[2]	25	21.7 J	6.4 J	6.2 J	4.4 J	3.1 J	6.2 J	7.9 J	10.3 J	13.7 J	14.2 J

See notes at end of table.

Table D-2 (continued) Summary of Laboratory Analysis of Groundwater Samples Collected from Site 11[1] - Round 2

Compounds Detected		Monitoring Well Number									
	CRQL	KBA-11-1	11-2	11-2D	11-3	11-4	11-5	11-6	11-7	11-8	11-9
APPENDIX IX Inorganics (μg/ℓ)											
Lead[2]	5	23.3	4.5	5.6 J	3.9 J	3.9 J	2.9 J	4.3 J	3.8 J	4.0 J	12.2
Mercury[2]	0.2	0.11 J	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Selenium[2]	5	5.6	2.7 J	2.9 J	3.8 J	2.4 J	0.55 J	2.5 J	3.4 J	1.7 J	5.4
Thallium[2]	10	0.80 U	0.80 U	0.80 U	1.6 J	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Vanadium[2,4]	50	29.9 J	20.2 J	24.5 J	44.3 J	59.4	64.5	25.7 J	25.0 J	33.2 J	42.8 J
Zinc	20	7.6 U	7.5 U	10.3 U	19.5 U	10.9 U	555	9.3 U	6.5 U	23.4 U	8.7 U
Cyanide[3]	10	1.8 UJ	6.1 J	6.1 J	1.8 UJ	10.8 J	1.8 UJ	1.8 UJ	1.8 UJ	26.2 J	1.8 UJ
Sulfide	100	500	2600	1000	200	300	1500	100 U	200	2900	300

Notes:
CRQL = Contract Required Quantitation Limit
U = not detected above or below CRQL
[1] No Appendix IX pesticides, PCBs, herbicides, or dioxins/furans were detected in groundwater samples.
Data Qualifiers
[2] Samples results flagged J as estimated because concentrations are less than the CRQL.
[3] Samples quantitation limits flagged UJ as estimated and sample results flagged J as estimated because matrix spike recoveries were below QC limits.
[4] Samples quantitation limits flagged UJ as estimated and sample results flagged J as estimated because the corresponding preparation blank exhibited negative bias for cadmium and vanadium.

Table D-3 Summary of Laboratory Analysis of Groundwater Samples Collected from Site 11[1] - Round 3

Compounds Detected			Monitoring Well Number										
		CRQL	KBA-11-1	11-2	11-2D	11-3	11-3D	11-4	11-5	11-6	11-7	11-8	11-9
APPENDIX IX VOCs (μg/ℓ)													
Vinyl Chloride		10	10 U	63	150	10 U	---	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane[2]		10	10 U	10 U	5 J	10 U	---	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene		5	5 U	5	10	5 U	---	5 U	5 U	5 U	5 U	5 U	5 U
Toluene[2]		5	5 U	5 U	2 J	5 U	---	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene[2]		5	5 U	5 U	5 U	4 J	---	5 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)[2]		5	5 U	5 U	2 J	5 U	---	5 U	5 U	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene		5	5 U	5 U	5 U	13	---	5 U	5 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene[2]		5	5 U	5 U	5 U	5 U	---	5 U	5 U	1 J	5 U	5 U	5 U
APPENDIX IX Inorganics (μg/ℓ)													
Arsenic[2]	non-filtered	10	1.00 U	2.4 J	2.4 J	2.7 J	2.6 J	3.3 J	6.7 J	1.1 J	1.9 J	3.7 J	3.6 J
	filtered		1.00 U	1.4 J	---	1.00 U	---	1.00 U	1.4 J	1.00 U	1.00 UJ	2.0 J	2.5 J
Barium[2]	non-filtered	200	61.4 J	30.2 J	24.0 J	49.0 J	57.6 J	27.4 J	158 J	41.5 J	65.5 J	30.8 J	44.2 J
	filtered		37.9 J	5.8 J	---	14.9 U	---	12.2 U	8.4 U	12.2 U	12.1 J	15.4 J	7.4 J
Beryllium[2]	non-filtered	5	0.32 J	0.49 J	0.26 J	0.45 J	0.73 J	0.80 J	2.4 J	0.54 J	0.75 J	0.54 J	0.91 J
	filtered		0.20 U	0.24 U	---	0.20 U	---	0.20 U	0.20 U	0.20 U	0.24 U	0.24 U	0.24 U
Cadmium[2]	non-filtered	5	3.0 J	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
	filtered		2.7 U	2.7 U	---	2.7 U	---	2.7 U	3.1 J	2.7 U	2.7 U	2.7 U	2.7 U
Chromium[2,3]	non-filtered	10	32.9	27.2	27.9	34.3	38.7	43.6	157	38.5	77.2	29.3	44.8
	filtered		1.9 UJ	1.9 U	---	2.7 J	---	1.9 UJ	1.9 UJ	1.9 UJ	1.9 U	3.5 U	4.6 U
Cobalt[2]	non-filtered	50	1.6 J	4.6 U	5.6 U	1.6 U	1.6 J	2.8 J	6.1 J	1.6 U	5.9 U	6.7 U	6.5 U
	filtered		1.6 U	4.1 U	---	1.6 U	---	1.6 U	2.0 J	1.8 J	3.4 U	5.9 U	4.6 U
Copper[2,4]	non-filtered	25	128 J	27.8	16.1 U	27.6 J	72.6 J	72.3 J	239 J	114 J	19.6 J	81.4	69.1
	filtered		17.1 J	9.1 U	---	9.1 UJ	---	10.2 UJ	6.8 UJ	8.0 UJ	1.8 U	4.7 U	24.0 J

See notes at end of table.

Table D-3 (continued) Summary of Laboratory Analysis of Groundwater Samples Collected from Site 11[1] - Round 3

Compounds Detected			Monitoring Well Number										
		CRQL	KBA-11-1	11-2	11-2D	11-3	11-3D	11-4	11-5	11-6	11-7	11-8	11-9
APPENDIX IX VOCs (μg/ℓ)													
Lead[2,5]	non-filtered	5	24.6 J	8.5 J	10.3 J	12.4 J	87.2 J	23.9 J	33.1 J	6.7 J	16.1 J	4.1 J	8.8 J
	filtered		0.94 U	2.5 J	---	0.94 U	---	0.94 U	1.0 J	1.2 J	0.98 J	1.6 J	1.1 J
Mercury[2]	non-filtered	0.2	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.19 J	0.46	0.16 U	0.16 U	0.16 U	0.19 J
	filtered		0.16 U	0.16 U	---	0.16 U	---	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Nickel[2]	non-filtered	40	89.1	23.9 J	23.6 J	10.7 U	61.4	42.3	68.2	66.3	10.7 U	78.7	18.1 J
	filtered		10.7 U	10.7 U	---	10.7 U	---	10.7 U	10.7 U	10.7 U	10.7 U	10.7 U	10.7 U
Selenium[2]	non-filtered	5	2.0 J	1.9 U	2.2 J	6.4	5.5	5.2	1.9 U	3.5 J	2.9 J	4.2 J	4.3 J
	filtered		1.9 U	1.9 U	---	1.9 U	---	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Silver[2]	non-filtered	10	1.5 U	1.7 J	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
	filtered		1.5 U	1.5 U	---	1.5 U	---	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Vanadium[2]	non-filtered	50	8.6 J	13.4 J	11.6 J	26.2 J	30.2 J	26.0 J	82.5	14.6 J	23.8 J	15.2 J	32.0 J
	filtered		1.3 U	4.1 J	---	2.9 J	---	1.8 J	2.2 J	1.3 U	1.4 J	1.8 J	4.5 J
Zinc[2,4]	non-filtered	20	208 J	48.5 U	43.2 U	37.3 J	128 J	237 J	320 J	178 J	22.0 U	101	74.0
	filtered		14.1 J	74.3	---	25.7 J	---	9.4 J	49.4 J	77.0 J	14.7 U	16.5 U	33.9 U
Cyanide[2]	non-filtered	10	2.2 U	2.2 U	2.2 U	4.4 J	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
	filtered		2.2 U	2.2 U	---	2.2 U	---	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Sulfide	non-filtered	100	200 U	300	200	200	200	200	100 U	200	200	300	100
	filtered		100 U	200	---	100 U	---	100 U	100 U	100 U	100 U	100 U	100

Notes:
CRQL = Contract Required Quantitation Limit
U = not detected above or below CRQL
--- = Analysis not required/performed
[1] Groundwater samples were analyzed for VOCs and inorganic constituents only.
[2] Sample results flagged J as estimated because concentration is less than the CRQL.
[3] Sample quantitation limits flagged UJ as estimated because associated preparation blank exhibited negative bias for chromium.
[4] Sample results flagged J and UJ as estimated because duplicate analysis for copper and zinc exceeded QC limits.
[5] Sample results flagged J as estimated because matrix spike recovery for lead was outside QC limits.

Table D-4 Summary of Compounds Detected in Groundwater Samples Collected from Site 11[1] - Round 4

Compounds Detected		Monitoring Well Number											
		CRQL	KBA-11-1	11-2	11-2D	11-3	11-4	11-5	11-6	11-7	11-8	11-9	11-9D
APPENDIX IX VOCs (µg/l)													
Vinyl Chloride[2]	(Method 8240)	10	10 U	48 J	71 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-----
	(Method 8010	1	1.0 U	15 J	100 J	1.0 U	-----	-----	-----	-----	1.0 U	-----	-----
Chloromethane	(Method 8240)	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-----
	(Method 8010)	1	1.0 U	1.0 U	3.3	1.0 U	-----	-----	-----	-----	1.0 U	-----	-----
1,2-Dichloroethene[3]	(Method 8240)	5	5 U	5 U	8 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-----
	(Method 8010)	1	1.0U	1.0 U	4.8	1.0 U	-----	-----	-----	-----	1.0 U	-----	-----
Toluene[4]	(Method 8240)	5	5 U	5 U	1 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-----
	(Method 8010)	1	1.0 U	1.0 U	1.1	1.0 U	-----	-----	-----	-----	1.0 U	-----	-----
Chlorobenzene[2]	(Method 8240)	5	5 U	5 U	5 U	4 J	5 U	5 U	5 U	5 U	5 U	5 U	-----
	(Method 8010)	1	1.0 U	1.0 U	1.0 U	3.1	-----	-----	-----	-----	1.0 U	-----	-----
Chloroform[4]	(Method 8240)	5	5 U	4 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-----
	(Method 8010)	1	1.0 U	1.0 U	1.0 U	1.0 U	-----	-----	-----	-----	1.0 U	-----	-----
1,4-Dichlorobenzene[4]	(Method 8240)	5	5 U	5 U	5 U	15	5 U	5 U	2 J	5 U	5 U	5 U	-----
	(Method 8010)	1	1.0 U	1.0 U	1.0 U	1.0 U	-----	-----	-----	-----	1.0 U	-----	-----
APPENDIX IX Inorganics (µg/l)													
Arsenic[4]	unfiltered	10	2.2 J	3.2 U	2.7 J	4.3 J	3.2 J	8.2 U	3.0 J	10.3	3.8 J	7.5 J	3.5 J
	filtered		1.0 U	1.2 J	-----	1.0 U	1.0 U	1.0 J	1.0 U	1.0 U	2.5 J	1.0 U	-----
Barium[4]	unfiltered	200	50.3 J	26.4 J	19.0 J	97.7 J	32.1 J	122 J	69.6 J	95.6 J	22.2 J	91.9 J	52.4 J
	filtered		27.0 U	5.7 U	-----	11.2 U	10.0 U	5.9 U	8.1 U	8.4 U	13.0 U	4.5 U	-----
Beryllium[4]	unfiltered	5	0.61 J	0.42 J	0.24 U	0.91 J	0.69 J	1.9 J	1.3 J	1.4 J	0.38 J	2.4 J	1.4 J
	filtered		.024 U	0.24 J	-----	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	-----
Cadmium[4]	unfiltered	5	2.7 U	2.7 U	2.7 U	3.5 J	2.7 U	2.7 J	3.2 U	2.7 U	7.1	2.7 U	2.7 U
	filtered		2.7 U	2.8 J	-----	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	3.9 J	2.7 U	-----

See notes at end of table.

Table D-4 (continued) Summary of Compounds Detected in Groundwater Samples Collected from Site 11[1] - Round 4

Compounds Detected			Monitoring Well Number										
		CRQL	KBA-11-1	11-2	11-2D	11-3	11-4	11-5	11-6	11-7	11-8	11-9	11-9D
Chromium[4]	unfiltered	10	38.7	27.6	21.9	70.1	40.0	129	76.0	132	18.9	100	68.1
	filtered		2.6 J	1.9 U	-----	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	4.4 J	-----
Cobalt[4]	unfiltered	50	1.6 U	1.6 U	1.6 U	3.2 J	1.6 U	4.0 J	2.6 J	2.6 J	3.2 J	2.6 J	1.8 J
	filtered		1.6 U	2.0 U	-----	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	2.9 U	-----
Copper[4]	unfiltered	25	48.5	35.2	10.2 J	14.8 J	17.2 J	107	19.3 J	173	28.6	27.4	23.5 J
	filtered		6.0 J	3.0 J	-----	1.8 U	1.8 U	6.3 J	5.7 J	14.2 J	3.9 J	52.4	-----
Lead[5]	unfiltered	5	11.2	11.9 J	6.7 UJ	10.1 J	13.3 J	22.0 J	19.4 J	11.1 J	5.0 UJ	11.6 J	7.5 UJ
	filtered		1.4 U	6.4	-----	5.4	2.9 J	3.1	4.6	3.8	1.4 U	3.5	-----
Mercury[6]	unfiltered	0.2	0.72	0.60	0.61	0.61	4.1	0.72	0.72	0.91	0.55	0.49	0.61
	filtered		0.03 UJ	0.03 UJ	---	0.03 UJ	0.03 UJ	0.03 UJ	0.03 UJ	0.03 UJ	0.03 UJ	0.03 UJ	-----
Nickel[4]	unfiltered	40	10.7 U	34.0 J	10.7 U	10.9 J	10.7 U	37.6 J	10.7 U	83.0	23.4 J	11.3 J	13.0 J
	filtered		10.7 U	10.7 U	-----	10.7 U	10.7 U	10.7 U	10.7 U	10.7 U	10.7 U	10.7 U	-----
Selenium[4,5]	unfiltered	5	2.1 UJ	2.7 J	2.1 UJ	5.9 J	3.9 J	2.1 UJ	2.1 UJ	2.1 UJ	2.1 UJ	2.7 J	2.1 UJ
	filtered		2.1 U	2.1 U	-----	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	-----
Silver[4,5]	unfiltered	10	1.9 J	3.4 J	2.8 J	3.0 J	2.7 J	4.8 J	4.1 J	1.5 J	10.1 J	1.9 J	2.8 J
	filtered		1.5 U	1.5 U	-----	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	2.5 J	-----
Vanadium[4]	unfiltered	50	12.3 J	15.7 J	10.0 J	54.8	28.6 J	70.0	30.1 J	45.6 J	11.6 J	61.3	41.3 J
	filtered		2.0 U	5.2 U	-----	2.0 U	1.3 U	2.0 U	1.3 U	1.3 U	1.3 U	8.8 U	-----
Zinc[4,7]	unfiltered	20	53.8 J	64.0 J	32.9 J	44.7 J	36.4 J	278 J	39.0 J	291 J	39.8 J	56.5 J	41.4 J
	filtered		15.5 J	11.4 J	-----	8.4 J	8.4 J	66.5 J	11.4 J	27.4 J	52.6 J	32.4 J	-----
Cyanide[4]	unfiltered	10	2.2 U	2.2 U	2.2 U	4.2 J	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
	filtered		2.2 U	2.2 U	-----	3.2 J	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	----
Sulfide	unfiltered	100	100 U	200	100 U	200	200	200	300	500	200	100 U	200
	filtered		100 U	300	-----	200	100 U	200	100 U	100 U	300	100 U	-----

See notes at end of table.

Table D-4 (continued) Summary of Compounds Detected in Groundwater Samples Collected from Site 11[1] - Round 4

Compounds Detected	CRQL	Monitoring Well Number										
		KBA-11-1	11-2	11-2D	11-3	11-4	11-5	11-6	11-7	11-8	11-9	11-9D
PHYSICAL PARAMETERS												
Total Solids (mg/l)		431	718	947	2100	1414	1293	1117	1143	831	612	-----
TDS (mg/l)		79	298	282	1090	870	233	122	53	595	144	-----
TSS (mg/l)		352	420	665	1010	544	1060	995	1090	236	468	-----
% TSS		82	58	70	48	38	82	89	95	28	76	-----

Notes:
CRQL = Contract Required Quantitation Limit
U = not detected above or below CRQL
----- = Analysis not required/performed
µg/l = micrograms per liter
VOCs = volatile organic compounds

[1] Groundwater samples were analyzed for VOCs and inorganic constituents only.
[2] Sample results flagged J as estimated due to differences in duplicate results.
[3] Sample quantitation limits flagged UJ as estimated due to a noncompliance tuning standard.
[4] Sample results flagged J as estimated because concentration is less than the CRQL.
[5] Sample results and sample quantitation limits flagged J and UJ as estimated because matrix spike recovery for lead, selenium, and silver were below QC limits.
[6] Sample quantitation limits flagged UJ as estimated because the associated preparation blank exhibited negative bias for recovery.
[7] Sample results flagged J as estimated because duplicate analysis for zinc was outside QC limits.

Table D-5 Summary of Compounds Detected in Groundwater Samples Collected from Site 11[1] - Round 5

Compounds Detected			Monitoring Well Number									
		CRQL	KBA-11-1	11-2	11-2D	11-3	11-4	11-5	11-6	11-7	11-8	11-9
APPENDIX IX VOCs (μg/ℓ)												
Vinyl Chloride		10	10 U	140	160	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane[2]		10	10 U	3 J	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene		5	5 U	11	13	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene[2]		5	5 U	5 U	3 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene[2]		5	5 U	5 U	5 U	3 J	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene[2]		5	5 U	1 J	1 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Xylenes (total)[2]		5	5 U	4 J	2 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene[2]		5	5 U	1 J	1 J	28	5 U	5 U	5 U	5 U	5 U	5 U
APPENDIX IX Inorganics (μg/ℓ)												
Arsenic[3]	unfiltered	10	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	2.1 J	1.0 U	1.0 U	1.0 U	1.2 J	1.0 UJ
	filtered		1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
Barium[2]	unfiltered	200	30.7 J	15.5 J	14.8 J	24.6 J	33.2 J	36.5 J	24.3 J	55.8 J	24.2 J	35.6 J
	filtered		19.7 J	5.1 J	5.3 J	9.9 J	12.4 J	5.0 J	10.2 J	8.6 J	18.4 J	5.4 J
Beryllium[2]	unfiltered	5	0.51 J	0.41 J	0.35 J	0.29 J	1.2 J	0.27 J	0.30 J	0.80 J	0.56 J	1.4 J
	filtered		0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.25 J
Chromium[2]	unfiltered	10	25.1	15.1	15.3	14.5	51.4	29.5	17.4	73.3	21.1	48.3
	filtered		2.9 U	9.0 J	4.2 J	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U
Cobalt[2]	unfiltered	50	3.3 U	3.3 U	3.3 U	3.3 U	4.2 J	3.3 U	3.3 U	3.3 U	4.1 J	3.3 U
	filtered		3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U
Copper[2]	unfiltered	25	10.0 J	7.7 J	5.7 J	6.2 J	15.0 J	20.2 J	7.3 J	17.6 J	16.6 J	17.5 J
	filtered		2.3 U	2.3 U	2.9 J	2.6 J	2.3 U	2.3 U	2.3 U	2.9 J	4.0 J	2.3 U
Lead[2]	unfiltered	3	11.1	6.6	5.0	7.2	7.9	10.5	4.0	4.7	9.2	11.4
	filtered		1.4 U	1.4 U	1.4 U	1.4 U	2.4 J	1.4 U	1.4 U	1.4 U	10.1	1.8 J

See notes at end of table.

Table D-5 (continued) Summary of Compounds Detected in Groundwater Samples Collected from Site 11[1] - Round 5

Compounds Detected			Monitoring Well Number									
		CRQL	KBA-11-1	11-2	11-2D	11-3	11-4	11-5	11-6	11-7	11-8	11-9
Mercury[2]	unfiltered	0.2	0.17 U	0.24 U	0.11 U	0.14 J	0.22	0.17 J	0.08 U	0.31	0.20 U	0.38 U
	filtered		0.08 U	0.08 U	0.31 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.13 U	0.14 U
Nickel[2]	unfiltered	40	8.1 J	7.4 J	5.7 J	5.3 U	11.5 J	14.4 J	5.3 U	8.9 J	7.7 J	5.3 U
	filtered		11.0 J	6.5 J	5.3 U	5.3 U	9.4 J	5.3 U	5.3 U	9.0 J	5.3 U	5.3 U
APPENDIX IX Inorganics (µg/ℓ)												
Selenium[2]	unfiltered	5	2.1 U	2.1 U	2.6 J	3.0 J	4.3 J	2.1 U	2.1 U	2.1 U	2.1 U	4.2 J
	filtered		2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Silver[2]	unfiltered	10	2.0 U	2.0 U	2.4 J	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	filtered		2.0 U	2.0 U	2.0 J	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Vanadium[2]	unfiltered	50	9.1 J	8.0 J	9.5 J	12.5 J	30.0 J	19.4 J	8.4 J	23.7 J	12.8 J	33.3 J
	filtered		2.6 U	4.3 J	5.1 J	2.6 U	2.6 U	2.6 U	2.6 U	2.7 J	2.6 U	3.9 J
Zinc[2,4]	unfiltered	20	28.9	29.6	12.8 J	17.3 J	43.3	69.3	27.4	19.0 J	19.7 J	24.6
	filtered		9.6 U	9.6 UJ	9.6 U	9.6 U	9.6 U	25.8	13.6 J	10.2 J	12.9 J	9.6 U
Cyanide[2]	unfiltered	10	1.3 J	3.1 J	3.2 J	4.6 J	0.84 U	0.84 U	0.84 U	0.98 J	5.2 J	2.7 J
	filtered		0.84 U	0.84 U	2.2 J	3.7 J	1.9 J	1.5 J	1.4 J	1.1 J	3.0 J	1.6 J
Sulfide	unfiltered	100	100 U	200	200	300	100 U	200	100 U	200	100 U	300
	filtered		100 U	100	100 U	300	100 U	100 U	100 U	100 U	200	100 U
PHYSICAL PARAMETERS												
Total Solids (mg/l)			128	409	317	891	2897	434	232	683	541	264
TDS (mg/l)			28	240	130	627	2070	81	16	10 U	321	10 U
TSS (mg/l)			100	169	187	264	827	353	216	673	220	254
% TSS			78	41	59	30	29	81	93	99	41	96

Notes: CRQL = Contract Required Quantitation Limit
U = not detected above or below CRQL
µg/l = micrograms per liter
VOCs = volatile organic compounds
[1] Groundwater samples were analyzed for VOCs and inorganic constituents only.
[2] Sample results flagged J as estimated because concentration is less than the CRQL.
[3] Sample quantitation limits flagged UJ as estimated because the associated preparation blank exhibited negative bias for arsenic.
[4] Sample quanititation limit flagged UJ as estimated because a duplicate analysis for zinc was outside control limits.

Table D-6 Summary of Compounds Detected in Groundwater Samples Collected from Site 11[1] - Round 6

Compounds Detected			Monitoring Well Number										
		CRQL	KBA-11-1	11-2	11-2D	11-3	11-4	11-5	11-6	11-7	11-8	11-9
APPENDIX IX VOCs (μg/ℓ)												
Vinyl Chloride		10	10 U	100	85	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone[2]		10	10 U	10 U	10 U	10 J	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene		5	5 U	12	11	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone[3]		10	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene[3]		5	5 U	2 J	2 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene		5	5 U	5 U	5 U	6	5 U	5 U	5 U	5 U	5 U	5 U
Xylenes (total)[3]		5	5 U	2 J	2 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene[3]		5	5 U	5 U	5 U	19	5 U	5 U	2 J	5 U	5 U	5 U
APPENDIX IX Inorganics (μg/ℓ)												
Arsenic[3]	unfiltered	10	1.2 J	1.9 J	1.6 J	1.3 J	2.9 J	1.8 J	0.68 U	3.5 J	3.6 J	1.8 J
	filtered		0.68 U	1.2 J	1.0 J	0.68 U	0.68 J	0.68 U	0.68 U	0.68 U	2.2 J	0.72 J
Barium[3]	unfiltered	200	28.7 J	11.1 J	14.3 J	33.9 J	19.7 J	31.7 J	18.0 J	34.1 J	16.7 J	23.7 J
	filtered		20.2 J	4.5 J	4.4 J	8.6 J	7.0 J	4.7 J	8.9 J	8.7 J	11.4 J	4.1 U
Beryllium[3]	unfiltered	5	0.26 U	0.26 U	0.26 U	0.47 J	0.32 J	0.57 J	0.39 J	0.73 J	0.26 U	0.72 J
	filtered		0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Cadmium[3]	unfiltered	5	3.4 J	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	3.5 J	2.8 U
	filtered		2.8 U	3.1 J	3.9 J	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U
Chromium[3]	unfiltered	10	16.5	8.1 J	10.8	18.6	24.1	30.8	12.5	46.7	10.3	26.8
	filtered		2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U
Cobalt[3]	unfiltered	50	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
	filtered		2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.9 J	2.6 U	2.6 U
Copper[3]	unfiltered	25	8.0 U	6.1 U	9.3 U	7.2 J	10.0 J	20.4 J	7.0 J	11.9 J	9.6 U	10.8 J
	filtered		1.2 U	2.1 U	2.1 U	1.5 U	1.8 U	1.2 U	1.2 U	1.2 U	2.4 U	1.2 U
Lead[3]	unfiltered	3	5.9	5.8	6.4	6.8	7.6	7.3	4.0	6.8	4.7	5.5
	filtered		2.4 J	1.7 U	2.8 J	1.9 J	1.7 U	2.7 J	1.7 U	1.7 U	1.7 U	1.7 U

See notes at the end of the table.

Table D-6 (continued) Summary of Compounds Detected in Groundwater Samples Collected from Site 11[1] - Round 6

Compounds Detected		CRQL	Monitoring Well Number									
			KBA-11-1	11-2	11-2D	11-3	11-4	11-5	11-6	11-7	11-8	11-9
APPENDIX IX Inorganics (µg/ℓ)												
Mercury[3]	unfiltered	0.2	0.14 U	0.14 U	0.16 U	0.10 U	0.14 U	0.15 U	0.08 U	0.28 U	0.15 U	0.16 U
	filtered		0.07 U	0.11 U	0.08 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.10 U	0.07 U
Selenium[3]	unfiltered	5	2.5 J	2.0 J	1.8 U	4.6 J	2.5 J	2.1 J	2.1 J	2.4 J	1.8 U	3.1 J
	filtered		1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Silver[3]	unfiltered	10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	filtered		2.0 U	2.0 U	2.0 U	2.3 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Vanadium[3]	unfiltered	50	5.4 J	5.5 J	5.9 J	16.6 J	14.7 J	18.3 J	6.4 J	14.2 J	7.4 J	20.2 J
	filtered		2.6 U	3.6 J	4.6 J	4.1 J	2.6 U	2.6 U	2.6 U	3.4 J	2.6 U	6.2 J
Zinc[3]	unfiltered	20	62.2	42.0	24.4	30.5	41.3	151	40.8	33.4	74.8	32.5
	filtered		30.1	24.0	36.3	9.0 U	10.5 J	52.0	9.0 U	11.1 J	26.9	15.2 J
Cyanide[3]	unfiltered	10	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.0 J	1.4 U
	filtered		1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 J	1.4 U
Sulfide	unfiltered	100	100 U	200	200	300	300	100 U	100 U	200	100 U	200
	filtered		100 U	200	100 U	200	100 U	100 U	100 U	100 U	200	100 U
PHYSICAL PARAMETERS												
Total Solids (mg/l)			138	321	385	921	899	603	634	405	607	668
TDS (mg/l)			46	192	166	735	668	125	324	47	459	124
TSS (mg/l)			92	129	219	186	231	478	310	358	148	544
% TSS			67	40	57	20	26	79	49	88	24	81

Notes:
CRQL = Contract Required Quantitation Limit
U = not detected above or below CRQL
µg/l = micrograms per liter
VOCs = volatile organic compounds
[1] Groundwater samples were analyzed for VOCs and inorganic constituents only.
[2] Sample quantitation limits flagged J as estimated because sample results for cooresponding calibration standard exceeded QC limit.
[3] Sample results flagged J as estimated because concentration is less than the CRQL.

Appendix E

Groundwater Monitoring Field Measurements

Table E-1 Summary of Field Measurements for Monitoring Wells at Site 11-ROUND 1

Monitoring Well No.	FID Headspace Data (ppm)	Field Data[1]	Well Volume No. 1	2	3	4	5	Total Purge Vol. (gal)
KBA-11-1	0	pH	4.42	4.36	4.34	4.33	4.33	5.4
		Cond.	190	200	200	200	210	
		Temp.	NR	NR	NR	NR	NR	
KBA-11-2	0	pH	5.85	5.74	5.74	5.71	5.72	5.5
		Cond.	250	260	260	260	260	
		Temp.	NR	NR	NR	NR	NR	
KBA-11-3	0	pH	6.03	5.79	5.83	5.83	5.87	5.8
		Cond.	1280	1310	1300	1300	1300	
		Temp.	NR	NR	NR	NR	NR	
KBA-11-4	0	pH	4.98	5.02	5.04	5.06	5.09	6.1
		Cond.	880	700	710	730	750	
		Temp.	NR	NR	NR	NR	NR	
KBA-11-5	0	pH	5.05	5.04	5.05	5.04	5.03	5.7
		Cond.	110	120	120	120	120	
		Temp.	NR	NR	NR	NR	NR	
KBA-11-6	0	pH	4.92	4.88	4.85	4.84	4.86	5.6
		Cond.	100	100	100	100	100	
		Temp.	NR	NR	NR	NR	NR	
KBA-11-7	0	pH	4.73	4.74	4.73	4.67	4.65	5.6
		Cond.	60	60	60	60	50	
		Temp.	NR	NR	NR	NR	NR	
KBA-11-8	0	pH	5.77	5.83	5.92	5.85	5.84	5.4
		Cond.	1010	1050	1060	1070	1070	
		Temp.	NR	NR	NR	NR	NR	
KBA-11-9	0	pH	5.33	5.03	4.93	4.90	4.88	7.2
		Cond.	110	100	90	90	90	
		Temp.	NR	NR	NR	NR	NR	

Notes:
FID = flame ionization detector
ppm = parts per million
1) Units are standard units (s.u.) for pH, micromhos per centimeter (umhos/cm) for specific conductance, and degrees Fahrenheit (°F) for temperature.
NR = Not recorded due to equipment breakage.

Table E-2 Summary of Field Measurements for Monitoring Wells at Site 11-ROUND 2

Monitoring Well No.	FID Headspace Data (ppm)	Field Data[1]	Well Volume No. 1	2	3	4	Total Purge Vol. (gal)
KBA-11-1	0	pH	4.89	4.22	4.14	4.17	5.0
		Cond.	100	130	150	150	
		Temp.	20	20	20	21	
KBA-11-2	0	pH	6.04	6.18	6.11	6.06	5.0
		Cond.	225	250	280	290	
		Temp.	21	20.5	21	20.5	
KBA-11-3	0	pH	6.04	6.15	6.13	6.16	5.0
		Cond.	1300	1400	1350	1400	
		Temp.	21	21	20	20	
KBA-11-4	0	pH	5.23	5.18	5.14	5.12	4.5
		Cond.	700	800	850	800	
		Temp.	22	21	21	21	
KBA-11-5	2	pH	5.55	5.45	5.35	5.15	4.5
		Cond.	120	100	125	115	
		Temp.	21	21	21	20.5	
KBA-11-6	0	pH	5.21	5.00	4.96	5.01	4.0
		Cond.	80	80	80	50	
		Temp.	22	22	22	22	
KBA-11-7	0	pH	5.53	5.36	5.22	5.15	4.0
		Cond.	30	30	30	30	
		Temp.	21	21	21	21	
KBA-11-8	0	pH	6.07	6.19	6.19	6.20	4.0
		Cond.	1000	1000	1000	1000	
		Temp.	21	21	20	20	
KBA-11-9	10	pH	5.64	5.61	5.65	5.61	7.0
		Cond.	100	100	100	100	
		Temp.	20	21	21	20	

Notes:
FID = flame ionization detector
ppm = parts per million
1) Units are standard units (s.u.) for pH, micromhos per centimeter (umhos/cm) for specific conductance, and degrees Celsius (°C) for temperature.

Table E-3 Summary of Field Measurements for Monitoring Wells at Site 11-ROUND 3

Monitoring Well No.	FID Headspace Data (ppm)	Field Data[1]	Well Volume No. 1	2	3	4	Total Purge Vol. (gal)
KBA-11-1	0	pH	4.3	4.0	3.9	3.9	4.0
		Cond.	90	110	100	110	
		Temp.	26	25	25	25	
KBA-11-2	0	pH	6.1	6.2	6.5	6.5	4.5
		Cond.	340	160	260	320	
		Temp.	28	29	28	25	
KBA-11-3	0	pH	6.1	6.1	6.0	6.3	5.0
		Cond.	800	1100	1100	1100	
		Temp.	28	28	26	26	
KBA-11-4	0	pH	5.8	5.4	5.4	5.4	5.0
		Cond.	180	400	350	410	
		Temp.	28	26	25	25	
KBA-11-5	0	pH	5.3	5.4	5.6	5.6	5.0
		Cond.	90	80	80	80	
		Temp.	28	28	26	27	
KBA-11-6	0	pH	5.0	4.4	4.2	4.4	4.5
		Cond.	70	80	80	80	
		Temp.	28	26	26	25	
KBA-11-7	0	pH	5.9	5.9	5.9	5.4	4.5
		Cond.	40	40	40	40	
		Temp.	31	28	28	27	
KBA-11-8	>50	pH	6.3	6.4	6.3	6.3	4.5
		Cond.	900	450	900	850	
		Temp.	30	30	27	28	
KBA-11-9	>50	pH	5.8	5.7	5.6	5.6	4.0
		Cond.	90	100	100	90	
		Temp.	28	27	25	26	

Notes: FID = flame ionization detector
ppm = parts per million
1) Units are standard units (s.u.) for pH, micromhos per centimeter (umhos/cm) for specific conductance, and degrees Celsius (°C) for temperature.

Table E-4 Summary of Field Measurements for Monitoring Wells at Site 11-ROUND 4

Monitoring Well No.	FID Headspace Data (ppm)	Field Data[1]	Well Volume No. 1	2	3	4	Total Purge Vol. (gal)
KBA-11-1	0	pH	4.6	5.2	5.7		2.9
		Cond.	130	89	90		
		Temp.	error	error	error		
KBA-11-2	0	pH	8.8	8.0	7.7		2.6
		Cond.	347	351	344		
		Temp.	error	error	error		
KBA-11-3	0	pH	7.6	6.8	6.7		3.0
		Cond.	900	993	993		
		Temp.	error	error	error		
KBA-11-4	0	pH	5.6	5.5	5.2		3.1
		Cond.	485	700	730		
		Temp.	error	error	error		
KBA-11-5	0	pH	6.2	6.4	6.5		2.9
		Cond.	119	165	175		
		Temp.	error	error	error		
KBA-11-6	0	pH	6.6	6.7	6.6		2.7
		Cond.	205	206	194		
		Temp.	error	error	error		
KBA-11-7	0	pH	7.7	7.7	7.8		2.8
		Cond.	246	246	244		
		Temp.	error	error	error		
KBA-11-8	0	pH	6.0	6.2	6.1		2.8
		Cond.	1159	994	1036		
		Temp.	error	error	error		
KBA-11-9	4	pH	8.5	7.8	7.8	7.9	4.8
		Cond.	335	320	310	300	
		Temp.	error	error	error	error	

Notes:
FID = flame ionization detector
ppm = parts per million
error = analyzed, but readings were erroneous because of instrument malfunction. Instrument replaced.
1) Units are standard units (s.u.) for pH, micromhos per centimeter (umhos/cm) for specific conductance, and degrees Fahrenheit (°F) for temperature.

Table E-5 Summary of Field Measurements for Monitoring Wells at Site 11-ROUND 5

Monitoring Well No.	FID Headspace Data (ppm)	Field Data[1]	Well Volume No. 1	2	3	4	Total Purge Vol. (gal)
KBA-11-1	0	pH	5.26	4.78	4.78	4.75	4.0
		Cond.	41	44	50	53	
		Temp.	72.1	72.2	72.6	72.7	
KBA-11-2	0	pH	6.34	6.24	6.37	6.22	4.0
		Cond.	253	270	240	269	
		Temp.	71.8	72.5	71.9	72.4	
KBA-11-3	0	pH	6.33	6.23	6.23		3.9
		Cond.	512	600	570		
		Temp.	72.6	73.3	73.1		
KBA-11-4	0	pH	5.16	5.29	5.31		4.0
		Cond.	582	353	369		
		Temp.	73.2	73.1	73.0		
KBA-11-5	0	pH	5.50	5.38	5.35		3.9
		Cond.	44	44	44		
		Temp.	73.9	74.4	74.7		
KBA-11-6	0	pH	4.90	4.9	4.81		3.6
		Cond.	47	43	44		
		Temp.	74.6	74.8	75.2		
KBA-11-7	0	pH	5.08	5.12	4.96	4.98	4.0
		Cond.	46	51	44	40	
		Temp.	74.6	74.0	74.7	75.0	
KBA-11-8	0	pH	6.15	6.03	6.06	6.06	4.0
		Cond.	529	620	580	595	
		Temp.	75.9	76.1	76.0	75.9	
KBA-11-9	0	pH	5.51	5.57	5.56		4.3
		Cond.	69	64	66		
		Temp.	72.0	72.0	72.5		

Notes:
FID = flame ionization detector
ppm = parts per million
error = analyzed, but readings were erroneous because of instrument malfunction. Instrument replaced.
1) Units are standard units (s.u.) for pH, micromhos per centimeter (umhos/cm) for specific conductance, and degrees Fahrenheit (°F) for temperature.

Table E-6 Summary of Field Measurements for Monitoring Wells at Site 11-ROUND 6

Monitoring Well No.	FID Headspace Data (ppm)	Field Data[1]	Well Volume No. 1	2	3	4	5	Total Purge Vol. (gal)
KBA-11-1	3	pH	4.64	4.39	4.37			4.0
		Cond.	43.6	53.6	50.4			
		Temp.	69.0	68.7	68.5			
KBA-11-2	0	pH	6.27	6.49	6.31	6.21		5.25
		Cond.	182.6	177.8	239	220		
		Temp.	72.0	70.5	70.2	70.2		
KBA-11-3	1	pH	6.63	6.43	6.45			5.0
		Cond.	530	786	777			
		Temp.	73.8	73.9	73.9			
KBA-11-4	0	pH	5.78	5.57	5.63	5.63	5.76	8.0
		Cond.	94.2	175	113	147	125	
		Temp.	72.8	72.2	72.1	70.8	71.4	
KBA-11-5	0	pH	5.70	5.66	4.76	5.60	5.63	5.0
		Cond.	39.3	38.3	56.3	43.8	43.5	
		Temp.	72.1	72.0	73.3	72.8	71.5	
KBA-11-6	0	pH	5.13	5.03	5.05	4.95	4.93	5.0
		Cond.	42.4	41.3	51.3	39.7	38.0	
		Temp.	72.0	72.8	73.3	73.1	72.9	
KBA-11-7	0	pH	5.21	4.89	4.91			5.0
		Cond.	25.9	28.2	28.6			
		Temp.	70.0	71.4	70.4			
KBA-11-8	0	pH	6.31	6.24	6.32			3.5
		Cond.	653	628	616			
		Temp.	71.5	70.8	70.1			
KBA-11-9	5	pH	5.65	5.59	5.42	5.54	5.52	9.0
		Cond.	119	76.9	71.0	53.0	56.9	
		Temp.	66.8	67.4	67.4	67.5	67.5	

Notes:
FID = flame ionization detector
ppm = parts per million
1) Units are standard units (s.u.) for pH, micromhos per centimeter (umhos/cm) for specific conductance, and degrees Fahrenheit (°F) for temperature.

Appendix F

Piezocone and Boring Logs

HOLE: KBA-PC-1 CLIENT: ABB
JOB: KINGS BAY LOC: SITE 11
GWD: 10 Ft TECHS: GC MW

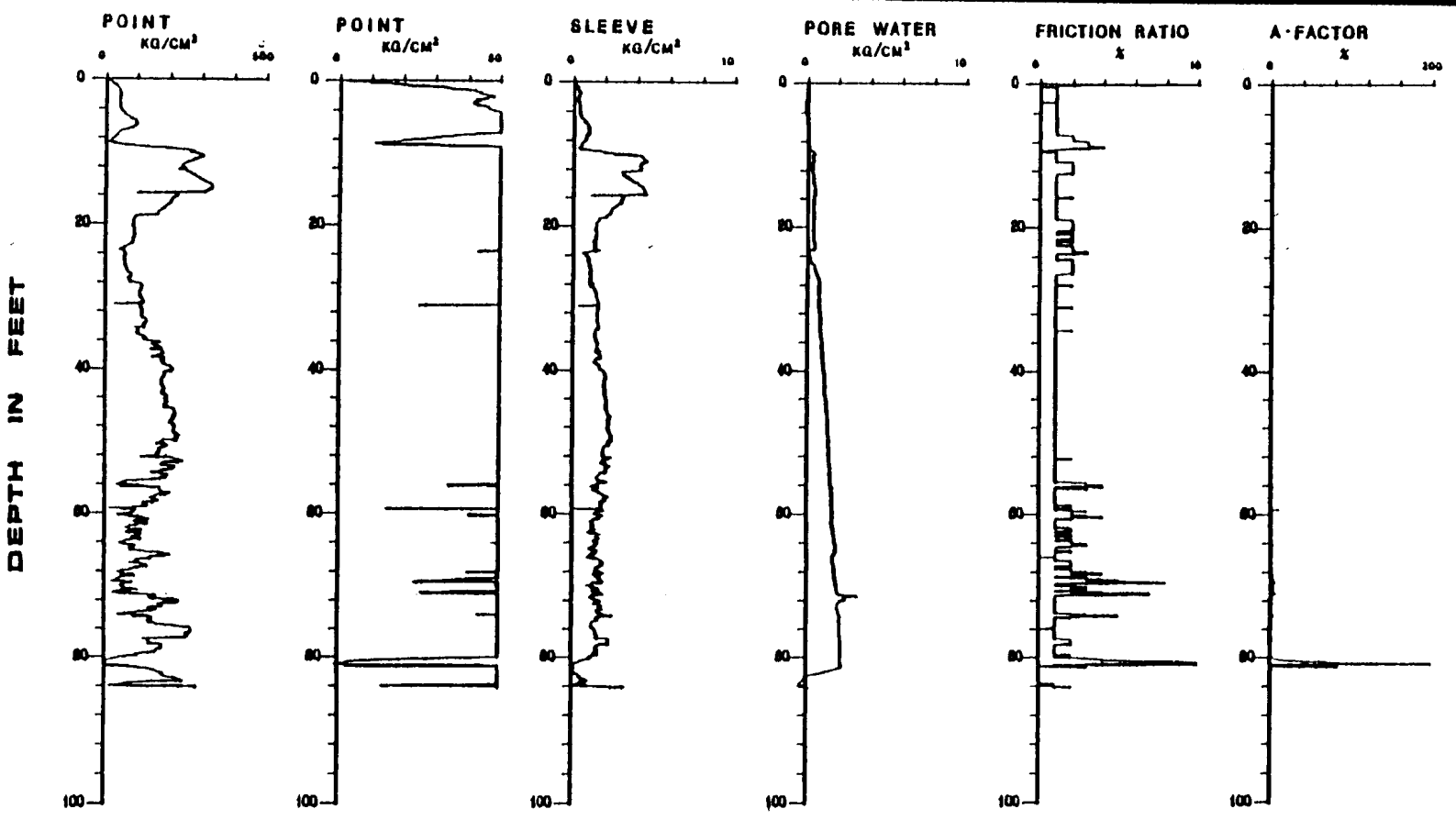
Depth	PP	PT	SL	FR	Soil Type	N	VES	FA	RD	YM	USS	SEN	CM	OCR
1.00	-0.08	33.59	0.18	0.54	Silty to Clayey F.S.	11	0.05	>45	79	74	----	----	202	---
2.00	-0.13	46.66	0.31	0.67	Silty to Clayey F.S.	16	0.10	>45	78	103	----	----	280	---
3.00	-0.14	41.94	0.34	0.80	Silty to Clayey F.S.	14	0.15	>45	70	92	----	----	252	---
4.00	-0.14	47.23	0.37	0.78	Silty to Clayey F.S.	16	0.20	45	69	104	----	----	283	---
5.00	-0.10	66.08	0.50	0.76	Silty Fine Sand	17	0.24	>45	75	145	----	----	397	---
6.00	-0.01	99.53	0.87	0.87	Silty Fine Sand	25	0.29	>45	84	219	----	----	597	---
7.00	0.00	59.35	0.88	1.48	Silty to Clayey F.S.	20	0.34	43	67	131	----	----	356	---
8.00	0.02	24.62	0.68	2.75	Sandy Clay	12	0.39	---	---	323	1.6	2.2	49	>10
9.00	0.08	59.02	0.25	0.42	Silty Fine Sand	15	0.43	42	64	130	----	----	354	---
10.00	0.25	262.11	2.58	0.98	Fine Sand	52	0.49	>45	100+	577	----	----	1573	---
11.00	0.30	277.38	4.52	1.63	Silty Fine Sand	69	0.52	>45	100+	610	----	----	1664	---
12.00	0.27	236.10	4.19	1.77	Silty Fine Sand	59	0.55	>45	100+	519	----	----	1417	---
13.00	0.37	269.03	3.21	1.19	Fine Sand	54	0.58	>45	100+	592	----	----	1614	---
14.00	0.41	307.48	3.94	1.28	Fine Sand	61	0.62	>45	100+	676	----	----	1845	---
15.00	0.44	332.42	4.36	1.31	Fine Sand	66	0.65	>45	100+	731	----	----	1995	---
16.00	0.39	223.08	3.10	1.39	Silty Fine Sand	56	0.68	>45	96	491	----	----	1338	---
17.00	0.39	199.45	2.75	1.38	Silty Fine Sand	50	0.71	>45	92	439	----	----	1197	---
18.00	0.36	176.07	2.36	1.34	Silty Fine Sand	44	0.74	45	87	387	----	----	1056	---
19.00	0.35	98.39	1.66	1.69	Silty to Clayey F.S.	33	0.77	42	70	216	----	----	590	---
20.00	0.35	90.27	1.43	1.58	Silty to Clayey F.S.	30	0.80	41	67	199	----	----	542	---
21.00	0.37	93.56	1.47	1.57	Silty to Clayey F.S.	31	0.83	41	68	206	----	----	561	---
22.00	0.44	81.99	1.26	1.53	Silty to Clayey F.S.	27	0.86	40	63	180	----	----	492	---
23.00	0.44	72.68	1.36	1.87	Silty to Clayey F.S.	24	0.90	39	59	160	----	----	436	---
24.00	0.15	63.79	0.80	1.25	Silty to Clayey F.S.	21	0.93	38	55	140	----	----	383	---
25.00	0.26	59.15	1.01	1.71	Silty to Clayey F.S.	20	0.96	38	53	130	----	----	355	---
26.00	0.51	69.27	1.15	1.67	Silty to Clayey F.S.	23	0.99	39	57	152	----	----	416	---
27.00	0.69	87.31	1.06	1.21	Silty Fine Sand	22	1.02	40	63	192	----	----	524	---
28.00	0.68	87.47	1.08	1.23	Silty Fine Sand	22	1.05	40	62	192	----	----	525	---
29.00	0.73	113.24	1.42	1.25	Silty Fine Sand	28	1.08	41	69	249	----	----	679	---
30.00	0.75	111.73	1.54	1.38	Silty Fine Sand	28	1.11	41	69	246	----	----	670	---
31.00	0.77	112.07	1.74	1.55	Silty Fine Sand	28	1.14	40	68	247	----	----	672	---
32.00	0.78	118.46	1.49	1.26	Silty Fine Sand	30	1.17	41	70	261	----	----	711	---
33.00	0.81	122.85	1.56	1.27	Silty Fine Sand	31	1.20	41	70	270	----	----	737	---
34.00	0.83	123.02	1.60	1.30	Silty Fine Sand	31	1.23	40	70	271	----	----	738	---
35.00	0.85	98.81	1.33	1.34	Silty Fine Sand	25	1.26	39	63	217	----	----	593	---
36.00	0.89	125.07	1.48	1.19	Silty Fine Sand	31	1.30	40	70	275	----	----	750	---
37.00	0.93	167.29	1.48	0.89	Fine Sand	33	1.33	42	78	368	----	----	1004	---
38.00	0.93	172.60	1.70	0.99	Fine Sand	35	1.36	42	78	380	----	----	1036	---
39.00	0.97	174.96	1.30	0.74	Fine Sand	35	1.40	42	78	385	----	----	1050	---
40.00	1.05	212.09	1.88	0.89	Fine Sand	42	1.43	43	83	467	----	----	1273	---
41.00	1.07	184.35	2.14	1.16	Fine Sand	37	1.46	42	79	406	----	----	1106	---
42.00	1.08	176.20	1.98	1.13	Fine Sand	35	1.49	41	77	388	----	----	1057	---
43.00	1.11	184.72	1.98	1.07	Fine Sand	37	1.53	42	79	406	----	----	1108	---

HOLE: KBA-PC-1 CLIENT: ABB
JOB: KINGS BAY LOC: SITE 11
GWD: 10 Ft TECHS: GC MW

Depth	PP	PT	SL	FR	Soil Type	N	VES	FA	RD	YM	USS	SEN	CM	OCR
44.00	1.18	194.08	2.11	1.09	Fine Sand	39	1.56	42	80	427	-----	----	1164	---
45.00	1.19	185.39	2.10	1.14	Fine Sand	37	1.59	41	78	408	-----	----	1112	---
46.00	1.24	218.03	2.20	1.01	Fine Sand	44	1.63	42	82	480	-----	----	1308	---
47.00	1.27	212.82	2.26	1.06	Fine Sand	43	1.66	42	81	468	-----	----	1277	---
48.00	1.28	215.05	2.18	1.01	Fine Sand	43	1.69	42	81	473	-----	----	1290	---
49.00	1.31	217.02	2.41	1.11	Fine Sand	43	1.73	42	81	477	-----	----	1302	---
50.00	1.32	181.34	2.27	1.25	Silty Fine Sand	45	1.76	41	76	399	-----	----	1088	---
51.00	1.33	183.12	1.98	1.08	Fine Sand	37	1.79	41	76	403	-----	----	1099	---
52.00	1.35	166.97	1.84	1.10	Fine Sand	33	1.82	40	73	367	-----	----	1002	---
53.00	1.42	230.74	1.88	0.82	Fine Sand	46	1.86	42	82	508	-----	----	1384	---
54.00	1.43	204.32	2.12	1.04	Fine Sand	41	1.89	41	78	450	-----	----	1226	---
55.00	1.47	193.04	1.48	0.77	Fine Sand	39	1.92	41	76	425	-----	----	1158	---
56.00	1.45	38.80	1.51	3.89	Sandy Clay	19	1.95	---	---	491	2.5	1.5	78	6
57.00	1.51	175.25	1.60	0.91	Fine Sand	35	1.98	40	73	386	-----	----	1052	---
58.00	1.57	141.55	2.06	1.45	Silty Fine Sand	35	2.02	39	67	311	-----	----	849	---
59.00	1.55	134.35	1.81	1.35	Silty Fine Sand	34	2.05	38	65	296	-----	----	806	---
60.00	1.58	91.63	1.45	1.58	Silty to Clayey F.S.	31	2.08	36	54	202	-----	----	550	---
61.00	1.53	123.13	1.21	0.98	Silty Fine Sand	31	2.11	37	62	271	-----	----	739	---
62.00	1.60	72.07	1.19	1.66	Silty to Clayey F.S.	24	2.14	34	47	159	-----	----	432	---
63.00	1.70	119.79	1.55	1.29	Silty Fine Sand	30	2.17	37	61	264	-----	----	719	---
64.00	1.74	58.55	1.40	2.40	Clayey Fine Sand	23	2.20	---	---	751	3.8	2.5	117	>10
65.00	1.78	90.14	1.15	1.27	Silty Fine Sand	23	2.23	35	53	198	-----	----	541	---
66.00	1.56	180.20	0.87	0.48	Fine Sand	36	2.26	39	72	396	-----	----	1081	---
67.00	1.67	87.33	1.96	2.24	Silty to Clayey F.S.	29	2.29	35	51	192	-----	----	524	---
68.00	1.68	64.83	1.46	2.26	Silty to Clayey F.S.	22	2.33	33	42	143	-----	----	389	---
69.00	1.78	47.64	1.62	3.39	Sandy Clay	24	2.35	---	---	604	3.0	1.8	95	6
70.00	1.86	53.00	1.04	1.97	Silty to Clayey F.S.	18	2.38	31	36	117	-----	----	318	---
71.00	2.00	26.03	1.85	7.10	Clay	26	2.41	---	---	315	1.6	0.8	52	2
72.00	2.24	204.59	1.56	0.76	Fine Sand	41	2.44	40	75	450	-----	----	1228	---
73.00	1.93	170.85	1.75	1.02	Fine Sand	34	2.47	38	69	376	-----	----	1025	---
74.00	2.05	46.04	1.87	4.05	Sandy Clay	23	2.50	---	---	581	2.9	1.5	92	5
75.00	2.05	134.10	1.34	1.00	Silty Fine Sand	34	2.53	37	62	295	-----	----	805	---
76.00	2.12	273.90	1.34	0.49	Cemented Sand to Har	46	2.57	41	82	603	-----	----	1643	---
77.00	2.13	263.85	1.62	0.61	Fine Sand	53	2.60	41	81	580	-----	----	1583	---
78.00	2.15	141.22	2.35	1.67	Silty Fine Sand	35	2.63	37	63	311	-----	----	847	---
79.00	2.17	167.41	1.51	0.90	Fine Sand	33	2.67	38	68	368	-----	----	1004	---
80.00	2.14	59.59	0.98	1.65	Silty to Clayey F.S.	20	2.70	31	38	131	-----	----	358	---
81.00	2.24	-0.89	0.14	15.97	Organic Material	1	2.71	---	---	---	-----	----	---	---
82.00	1.16	160.87	0.04	0.02	Fine Sand	32	2.75	38	66	354	-----	----	965	---
83.00	-0.15	217.94	0.65	0.30	Fine Sand	44	2.78	39	75	479	-----	----	1308	---
84.00	-0.44	13.58	0.10	0.74	Clayey Fine Sand	5	2.81	---	---	144	0.7	8.1	68	1

N - Equivalent SPT Blow Count (bpf)
VES - Vertical Effective Stress (Kg/cm2)
FA - Friction Angle (Degress)
RD - Relative Density (+ or - 5%)
YM - Youngs Modulus
USS - Undrained Sheer Strength
SEN - Sensitivity
CM - Constrained Modulus
OCR - Estimated Over Consolidation Ratio

The above data was computed following basic guidelines by P.K. Robertson and R.G. Campanella in the handbook 'Guidelines for Use and Interpretation of the Electronic Cone Penetration Test', September, 1989.



PC-1 LOG

CLIENT: ABB
JOB: KINGS BAY
LOCATION: SITE 11

SOUNDING NO.: KBA-PC-1
DATE: 06-06-1992
TIME:

SUBSURFACE TECHNOLOGY INCORPORATED

****

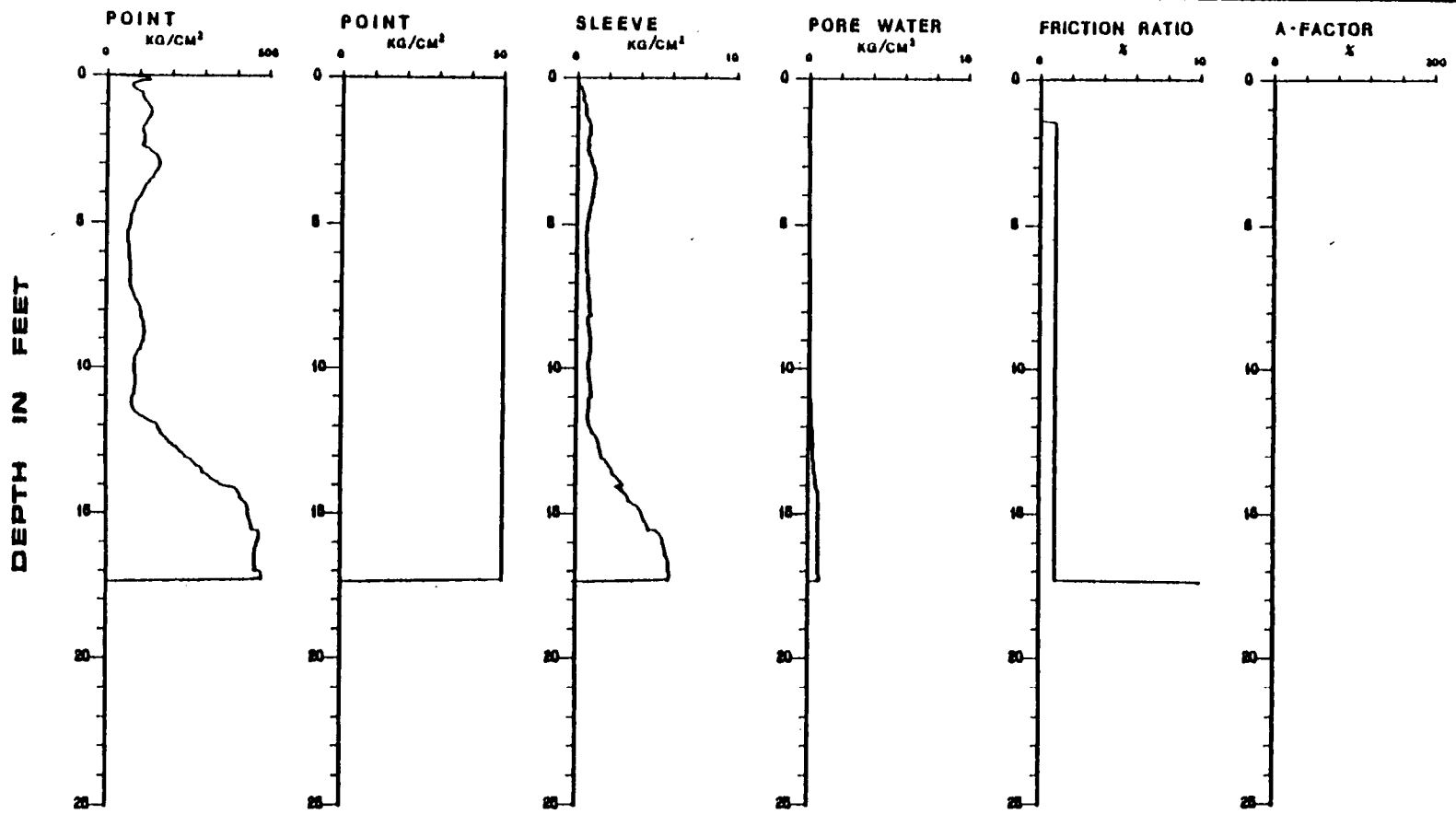
HOLE: KBA-PC-2 CLIENT: ABB
JOB: KINGS BAY LOC: SITE 11
GWD: 10 Ft TECHS: gc mw

****

Depth	PP	PT	SL	FR	Soil Type	N	VES	FA	RD	YM	USS	SEN	CM	OCR
1.00	-0.05	125.88	0.57	0.46	Fine Sand	25	0.05	>45	100+	277	-----	----	755	---
2.00	-0.06	115.68	0.75	0.65	Fine Sand	23	0.11	>45	100+	254	-----	----	694	---
3.00	0.00	161.41	1.02	0.63	Fine Sand	32	0.16	>45	100+	355	-----	----	968	---
4.00	0.01	107.72	0.97	0.90	Silty Fine Sand	27	0.21	>45	91	237	-----	----	646	---
5.00	0.02	71.72	0.67	0.94	Silty Fine Sand	18	0.26	>45	77	158	-----	----	430	---
6.00	0.04	68.57	0.64	0.94	Silty Fine Sand	17	0.31	45	73	151	-----	----	411	---
7.00	0.05	70.40	0.70	1.00	Silty Fine Sand	18	0.36	44	72	155	-----	----	422	---
8.00	0.07	106.61	0.86	0.81	Silty Fine Sand	27	0.41	>45	82	235	-----	----	640	---
9.00	0.08	112.83	0.91	0.80	Silty Fine Sand	28	0.45	>45	82	246	-----	----	677	---
10.00	0.09	85.97	0.76	0.88	Silty Fine Sand	21	0.50	43	73	189	-----	----	516	---
11.00	0.12	82.40	0.96	1.17	Silty Fine Sand	21	0.53	43	70	181	-----	----	494	---
12.00	0.22	157.97	0.83	0.52	Fine Sand	32	0.57	>45	88	348	-----	----	948	---
13.00	0.29	241.51	1.59	0.66	Fine Sand	48	0.60	>45	100	531	-----	----	1449	---
14.00	0.47	348.69	2.98	0.85	Fine Sand	70	0.63	>45	100+	767	-----	----	2092	---
15.00	0.64	437.33	4.12	0.94	Fine Sand	87	0.67	>45	100+	962	-----	----	2624	---
16.00	0.63	467.63	5.46	1.17	Fine Sand	94	0.70	>45	100+	%1029	-----	----	2806	---
17.00	0.64	454.95	5.83	1.28	Fine Sand	91	0.73	>45	100+	%1001	-----	----	2730	---

N - Equivalent SPT Blow Count (bpf)
VES - Vertical Effective Stress (Kg/cm2)
FA - Friction Angle (Degress)
RD - Relative Density (+ or - 5%)
YM - Youngs Modulus
USS - Undrained Sheer Strength
SEN - Sensitivity
CM - Constrained Modulus
OCR - Estimated Over Consolidation Ratio

The above data was computed following basic guidelines by P.K. Robertson and R.G. Campanella in the handbook 'Guidelines for Use and Interpretation of the Electronic Cone Penetration Test', September, 1989.



PC-1 LOG

CLIENT: ABB
JOB: KINGS BAY
LOCATION: SITE 11

SOUNDING NO.: KBA-PC-2
DATE: 06-06-1992
TIME:

SUBSURFACE TECHNOLOGY INCORPORATED

HOLE: 11PC101 CLIENT: ABB
JOB: 0000 LOC: 101
GWD: 5 Ft TECHS: SAS

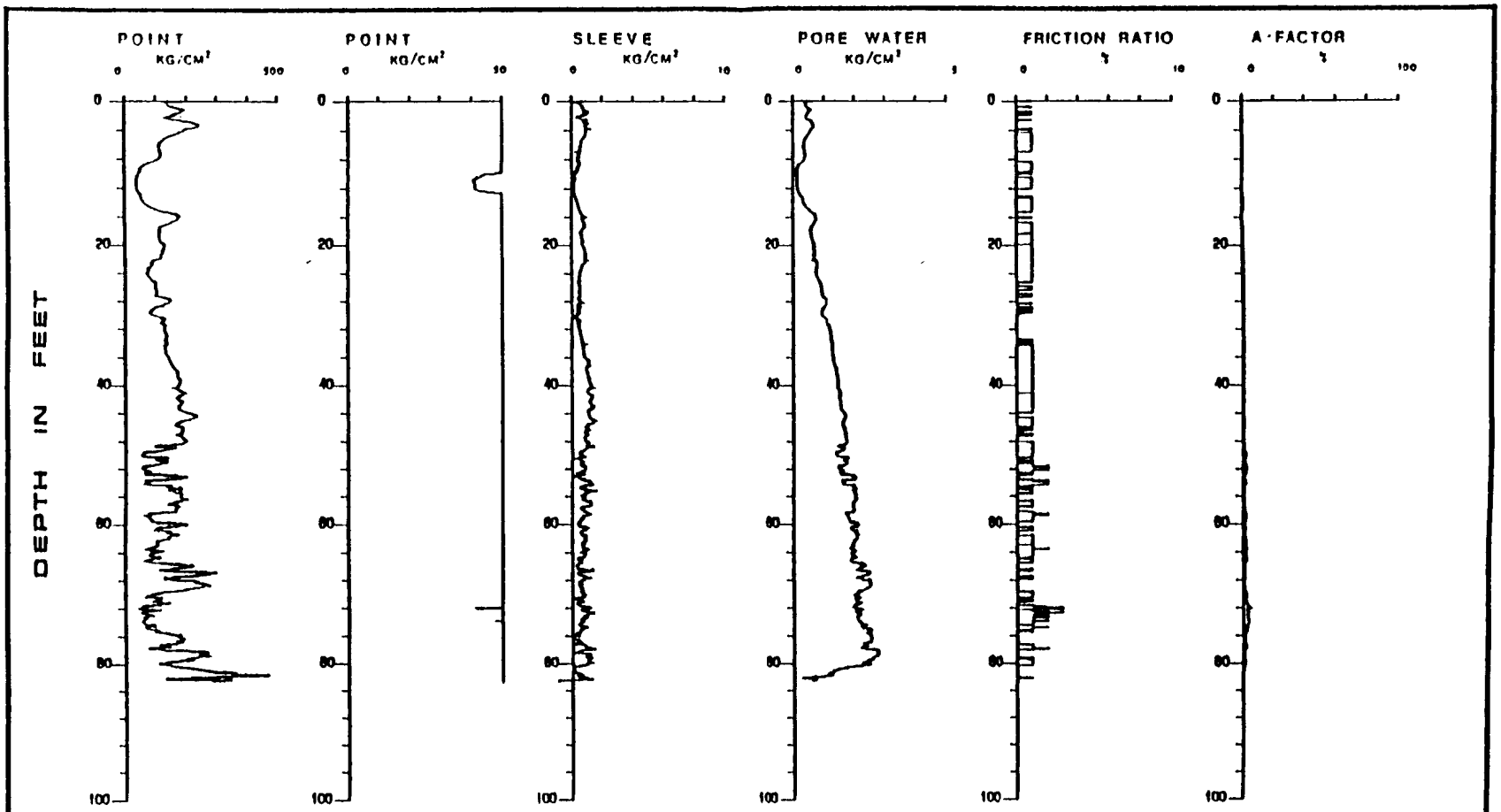
Depth	PP	PT	SL	FR	Soil Type	N	VES	FA	RD	YM	USS	SEN	CM	CCR
1.00	0.52	179.98	0.79	0.44	Fine Sand	36	0.05	>45	100+	396	-----	----	1080	---
2.00	0.44	152.52	0.42	0.28	Fine Sand	31	0.11	>45	100+	336	-----	----	915	---
3.00	0.63	229.40	1.08	0.47	Fine Sand	46	0.16	>45	100+	505	-----	----	1376	---
4.00	0.56	195.98	0.92	0.47	Fine Sand	39	0.21	>45	100+	431	-----	----	1176	---
5.00	0.44	138.18	0.80	0.58	Fine Sand	28	0.27	>45	95	304	-----	----	829	---
6.00	0.35	112.74	0.60	0.53	Fine Sand	23	0.30	>45	88	248	-----	----	676	---
7.00	0.38	111.98	0.20	0.18	Fine Sand	22	0.34	>45	86	246	-----	----	672	---
8.00	0.38	111.03	0.41	0.37	Fine Sand	22	0.37	>45	84	244	-----	----	666	---
9.00	0.17	61.14	0.52	0.85	Silty Fine Sand	15	0.40	43	66	135	-----	----	367	---
10.00	0.15	44.42	0.21	0.47	Silty Fine Sand	11	0.43	41	56	98	-----	----	267	---
11.00	0.14	40.64	0.23	0.56	Silty to Clayey F.S.	14	0.46	40	52	89	-----	----	244	---
12.00	0.15	41.05	0.20	0.49	Silty to Clayey F.S.	14	0.49	40	52	90	-----	----	246	---
13.00	0.23	52.55	0.30	0.56	Silty Fine Sand	13	0.52	41	58	116	-----	----	315	---
14.00	0.34	63.15	0.37	0.59	Silty Fine Sand	16	0.55	41	62	139	-----	----	379	---
15.00	0.52	103.29	0.54	0.52	Fine Sand	21	0.59	42	76	227	-----	----	620	---
16.00	0.73	183.15	0.92	0.50	Fine Sand	37	0.62	>45	91	403	-----	----	1099	---
17.00	0.67	145.22	0.86	0.59	Fine Sand	29	0.65	45	84	319	-----	----	871	---
18.00	0.57	112.23	0.63	0.56	Fine Sand	22	0.69	43	76	247	-----	----	673	---
19.00	0.59	112.55	0.67	0.59	Fine Sand	23	0.72	43	75	248	-----	----	675	---
20.00	0.69	129.23	0.66	0.51	Fine Sand	26	0.75	43	78	284	-----	----	775	---
21.00	0.70	124.79	0.86	0.69	Fine Sand	25	0.79	43	77	275	-----	----	749	---
22.00	0.67	110.15	0.81	0.74	Fine Sand	22	0.82	42	73	242	-----	----	661	---
23.00	0.78	85.92	0.64	0.75	Silty Fine Sand	21	0.85	41	65	189	-----	----	516	---
24.00	0.73	66.73	0.55	0.83	Silty Fine Sand	17	0.88	39	57	147	-----	----	400	---
25.00	0.83	84.31	0.51	0.60	Silty Fine Sand	21	0.91	40	63	183	-----	----	506	---
26.00	0.90	97.55	0.51	0.52	Fine Sand	20	0.94	41	67	215	-----	----	585	---
27.00	0.94	100.42	0.51	0.51	Fine Sand	20	0.98	41	67	221	-----	----	603	---
28.00	1.11	117.91	0.64	0.44	Fine Sand	30	1.01	42	78	325	-----	----	887	---
29.00	0.96	92.59	0.40	0.43	Fine Sand	19	1.04	40	64	204	-----	----	556	---
30.00	0.91	89.14	0.32	0.36	Fine Sand	18	1.08	39	63	196	-----	----	535	---
31.00	1.09	116.43	0.33	0.28	Fine Sand	23	1.11	41	70	256	-----	----	699	---
32.00	1.20	127.73	0.46	0.36	Fine Sand	26	1.14	41	72	281	-----	----	766	---
33.00	1.23	136.79	0.59	0.43	Fine Sand	27	1.18	41	74	301	-----	----	821	---
34.00	1.27	135.39	0.62	0.46	Fine Sand	27	1.21	41	73	298	-----	----	812	---
35.00	1.27	129.01	0.71	0.55	Fine Sand	26	1.24	41	71	284	-----	----	774	---
36.00	1.30	139.35	0.76	0.54	Fine Sand	28	1.28	41	73	307	-----	----	836	---
37.00	1.34	149.23	1.08	0.73	Fine Sand	30	1.31	41	75	328	-----	----	895	---
38.00	1.42	166.88	0.93	0.56	Fine Sand	33	1.34	42	77	367	-----	----	1001	---
39.00	1.44	173.15	1.05	0.61	Fine Sand	35	1.38	42	78	381	-----	----	1039	---
40.00	1.46	170.79	1.25	0.73	Fine Sand	34	1.41	42	77	376	-----	----	1025	---
41.00	1.54	190.82	0.97	0.51	Fine Sand	38	1.44	42	80	420	-----	----	1145	---
42.00	1.50	167.10	1.22	0.73	Fine Sand	33	1.48	41	76	368	-----	----	1003	---
43.00	1.53	169.88	1.42	0.83	Fine Sand	34	1.51	41	76	374	-----	----	1019	---

HOLE: 11PC101 CLIENT: ABB
JOB: 0000 LOC: 101
GWD: 5 FC TECHS: SAS

Depth	PP	PT	SL	FR	Soil Type	N	VES	FA	RD	YM	USS	SEN	CM	OCF
44.00	1.67	210.95	0.98	0.47	Fine Sand	42	1.54	42	82	464	-----	----	1268	---
45.00	1.65	187.66	1.44	0.77	Fine Sand	38	1.57	41	79	413	-----	----	1126	---
46.00	1.65	187.83	0.85	0.45	Fine Sand	38	1.61	41	78	413	-----	----	1127	---
47.00	1.68	168.67	1.00	0.59	Fine Sand	34	1.64	41	75	371	-----	----	1012	---
48.00	1.77	200.53	0.85	0.42	Fine Sand	40	1.67	41	80	441	-----	----	1203	---
49.00	1.69	159.74	0.92	0.57	Fine Sand	32	1.71	40	73	351	-----	----	958	---
50.00	1.42	56.47	0.66	1.21	Silty to Clayey F.S.	19	1.74	34	43	124	-----	----	339	---
51.00	1.79	134.86	0.65	0.48	Fine Sand	27	1.77	39	67	297	-----	----	809	---
52.00	1.45	51.18	0.90	1.77	Silty to Clayey F.S.	17	1.80	33	39	113	-----	----	307	---
53.00	1.98	174.86	0.16	0.09	Fine Sand	35	1.84	40	74	385	-----	----	1049	---
54.00	1.63	71.83	1.19	1.66	Silty to Clayey F.S.	24	1.87	35	49	158	-----	----	431	---
55.00	2.00	156.36	0.64	0.40	Fine Sand	32	1.90	40	71	348	-----	----	950	---
56.00	2.02	174.55	0.62	0.36	Fine Sand	35	1.93	40	74	384	-----	----	1047	---
57.00	1.93	139.16	1.20	0.86	Fine Sand	28	1.97	39	67	306	-----	----	835	---
58.00	1.98	164.98	0.62	0.38	Fine Sand	33	2.00	39	71	363	-----	----	990	---
59.00	1.76	76.00	0.71	0.94	Silty Fine Sand	19	2.03	35	49	167	-----	----	456	---
60.00	2.14	198.75	0.25	0.13	Cemented Sand to Har	33	2.07	40	76	437	-----	----	1192	---
61.00	2.04	144.69	0.63	0.44	Fine Sand	29	2.10	38	67	318	-----	----	868	---
62.00	2.08	142.15	0.86	0.60	Fine Sand	28	2.13	36	66	313	-----	----	853	---
63.00	1.94	102.15	0.61	0.59	Fine Sand	20	2.17	36	57	225	-----	----	613	---
64.00	1.92	89.81	0.58	0.65	Silty Fine Sand	22	2.20	35	53	198	-----	----	539	---
65.00	1.86	69.79	0.41	0.58	Silty Fine Sand	17	2.23	34	45	154	-----	----	419	---
66.00	2.30	210.34	0.36	0.17	Cemented Sand to Har	35	2.26	40	77	463	-----	----	1262	---
67.00	2.46	284.89	0.25	0.09	Cemented Sand to Har	47	2.30	42	85	627	-----	----	1709	---
68.00	2.39	196.89	0.80	0.40	Fine Sand	40	2.33	40	75	436	-----	----	1193	---
69.00	2.46	241.45	0.49	0.20	Cemented Sand to Har	40	2.37	41	80	531	-----	----	1449	---
70.00	2.05	86.73	0.81	0.94	Silty Fine Sand	22	2.40	35	50	191	-----	----	520	---
71.00	2.07	90.16	0.53	0.59	Silty Fine Sand	23	2.43	35	51	198	-----	----	541	---
72.00	1.93	42.03	1.19	2.83	Clayey Fine Sand	17	2.46	---	---	528	2.6	2.1	84	4
73.00	2.20	90.27	0.85	0.94	Silty Fine Sand	23	2.49	35	51	199	-----	----	542	---
74.00	2.16	56.06	0.62	1.11	Silty to Clayey F.S.	19	2.52	31	37	123	-----	----	336	---
75.00	2.32	74.46	0.86	1.16	Silty Fine Sand	19	2.56	33	45	164	-----	----	447	---
76.00	2.50	169.20	0.34	0.20	Fine Sand	34	2.59	38	68	372	-----	----	1015	---
77.00	2.38	164.46	0.20	0.12	Fine Sand	33	2.62	38	67	362	-----	----	987	---
78.00	2.57	165.16	1.11	0.67	Fine Sand	33	2.66	38	67	363	-----	----	991	---
79.00	2.66	240.91	0.90	0.37	Cemented Sand to Har	40	2.69	40	78	530	-----	----	1445	---
80.00	2.39	121.06	1.10	0.91	Silty Fine Sand	30	2.72	36	58	266	-----	----	726	---
81.00	1.37	277.33	0.10	0.04	Cemented Sand to Har	46	2.76	41	82	610	-----	----	1664	---
82.00	0.79	247.60	0.55	0.22	Cemented Sand to Har	41	2.80	40	78	545	-----	----	1486	---

N - Equivalent SPT Blow Count (bpf)
VES - vertical Effective Stress (Kg/cm2)
FA - Friction Angle (Degress)
RD - Relative Density (+ or - 5%)
YM - Youngs Modulus
USS - Undrained Sheer Strength
SEN - Sensitivity
CM - Constrained Modulus
OCF - Estimated Over Consolidation Ratio

The above data was computed following basic guidelines by P.K. Robertson and R.G. Campanella in the handbook 'Guidelines for Use and Interpretation of the Electronic Cone Penetration Test', September, 1988.



PC-1 LOG

CLIENT: ABB
JOB: OCCL
LOCATION: 101

SOUNDING NO.: 11PC101
DATE: 10-27-1992
TIME:

SUBSURFACE TECHNOLOGY
INCORPORATED

HOLE: 11PC102 CLIENT: ABB
JOB: OCCL LOC: 120
GWD: 5 Ft TECHS: GC

Depth	PF	PT	SL	FR	Soil Type	N	VES	FA	RD	YM	USS	SEN	CM	OCR
1.00	0.01	34.45	0.29	0.83	Silty to Clayey F.S.	11	0.05	>45	80	76	-----	----	207	---
2.00	0.01	33.61	0.50	1.49	Silty to Clayey F.S.	11	0.10	>45	69	74	-----	----	202	---
3.00	0.02	53.28	0.52	0.97	Silty to Clayey F.S.	18	0.15	>45	76	117	-----	----	320	---
4.00	0.04	76.90	0.85	1.10	Silty Fine Sand	19	0.20	>45	83	169	-----	----	461	---
5.00	0.04	79.78	1.12	1.40	Silty to Clayey F.S.	27	0.24	>45	81	176	-----	----	479	---
6.00	0.02	35.76	0.98	2.74	Clayey Fine Sand	14	0.27	---	---	473	2.4	2.2	72	>10
7.00	0.01	27.67	0.74	2.66	Sandy Clay	14	0.30	---	---	365	1.8	2.3	55	>10
8.00	0.02	20.70	0.66	3.19	Sandy Clay	10	0.33	---	---	272	1.4	1.9	41	>10
9.00	0.15	24.96	0.51	2.03	Clayey Fine Sand	10	0.36	---	---	328	1.6	3.0	50	>10
10.00	0.16	31.40	0.68	2.16	Clayey Fine Sand	13	0.39	---	---	413	2.1	2.8	63	>10
11.00	0.17	26.89	0.72	2.68	Sandy Clay	13	0.42	---	---	353	1.8	2.2	54	>10
12.00	0.21	20.36	0.66	3.25	Sandy Clay	10	0.45	---	---	266	1.3	1.8	41	>10
13.00	0.22	21.96	0.67	3.06	Sandy Clay	11	0.47	---	---	286	1.4	2.0	44	>10
14.00	0.27	64.15	0.63	0.99	Silty Fine Sand	16	0.50	42	64	141	-----	----	385	---
15.00	0.39	77.83	1.17	1.50	Silty to Clayey F.S.	26	0.53	42	69	171	-----	----	467	---
16.00	0.41	57.04	1.13	1.97	Silty to Clayey F.S.	19	0.57	41	59	125	-----	----	342	---
17.00	0.43	57.12	1.06	1.85	Silty to Clayey F.S.	19	0.60	40	58	126	-----	----	343	---
18.00	0.49	78.18	1.24	1.59	Silty to Clayey F.S.	26	0.63	42	67	172	-----	----	469	---
19.00	0.48	57.64	1.21	2.09	Silty to Clayey F.S.	19	0.66	40	57	127	-----	----	346	---
20.00	0.58	64.30	0.96	1.49	Silty to Clayey F.S.	21	0.69	40	60	141	-----	----	386	---
21.00	0.59	75.65	1.04	1.38	Silty to Clayey F.S.	25	0.72	41	64	166	-----	----	454	---
22.00	0.62	65.98	0.90	1.37	Silty to Clayey F.S.	22	0.75	40	59	145	-----	----	396	---
23.00	0.69	99.35	0.93	0.94	Silty Fine Sand	25	0.78	42	70	219	-----	----	596	---
24.00	0.71	117.16	1.36	1.16	Silty Fine Sand	29	0.81	42	75	258	-----	----	703	---
25.00	0.74	130.16	1.55	1.19	Silty Fine Sand	33	0.84	43	77	286	-----	----	781	---
26.00	0.77	138.69	1.75	1.26	Silty Fine Sand	35	0.87	43	78	305	-----	----	832	---
27.00	0.79	144.13	1.85	1.31	Silty Fine Sand	36	0.90	43	79	317	-----	----	865	---
28.00	0.86	160.05	1.73	1.08	Fine Sand	32	0.94	43	81	352	-----	----	960	---
29.00	1.04	254.71	1.82	0.71	Fine Sand	51	0.97	>45	94	560	-----	----	1526	---
30.00	1.07	278.88	2.04	0.73	Fine Sand	56	1.00	>45	96	614	-----	----	1673	---
31.00	1.02	250.85	2.39	0.95	Fine Sand	50	1.04	45	93	552	-----	----	1505	---
32.00	1.07	242.21	2.66	1.10	Fine Sand	48	1.07	45	91	533	-----	----	1453	---
33.00	1.07	236.08	2.59	1.09	Fine Sand	47	1.10	44	90	519	-----	----	1417	---
34.00	1.08	171.30	2.44	1.42	Silty Fine Sand	43	1.13	43	81	377	-----	----	1028	---
35.00	1.14	189.55	2.26	1.19	Silty Fine Sand	47	1.16	43	83	417	-----	----	1137	---
36.00	1.11	180.72	2.16	1.20	Silty Fine Sand	45	1.20	43	81	398	-----	----	1084	---
37.00	1.19	181.18	2.50	1.38	Silty Fine Sand	45	1.23	43	81	399	-----	----	1087	---
38.00	1.23	188.38	2.30	1.22	Silty Fine Sand	47	1.26	43	82	414	-----	----	1130	---
39.00	1.18	164.72	2.36	1.43	Silty Fine Sand	41	1.29	42	78	362	-----	----	986	---
40.00	1.24	159.99	2.03	1.27	Silty Fine Sand	40	1.32	42	77	352	-----	----	960	---
41.00	1.34	191.45	1.89	0.99	Fine Sand	38	1.35	42	81	421	-----	----	1149	---
42.00	1.31	176.31	2.08	1.18	Silty Fine Sand	44	1.38	42	79	388	-----	----	1058	---
43.00	1.30	140.96	2.01	1.43	Silty Fine Sand	35	1.41	40	72	310	-----	----	846	---

HOLE: 11PC102 CLIENT: ABB
JOB: 0001 LOC: 120
GWD: 5 Ft TECHS: GC

Depth	PS	PT	SL	FR	Soil Type	N	VES	FA	RD	YM	USS	SEN	CM	CCR
44.00	1.44	199.54	1.70	0.85	Fine Sand	40	1.45	42	82	439	-----	----	1197	---
45.00	1.42	200.08	1.07	0.53	Fine Sand	40	1.48	42	81	440	-----	----	1200	---
46.00	1.46	199.54	1.12	0.56	Fine Sand	40	1.51	42	81	439	-----	----	1197	---
47.00	1.38	156.04	1.42	0.91	Fine Sand	31	1.55	41	74	343	-----	----	936	---
48.00	1.20	92.17	1.62	1.76	Silty to Clayey F.S.	31	1.58	38	58	203	-----	----	553	---
49.00	1.38	87.50	1.83	2.09	Silty to Clayey F.S.	29	1.61	37	56	193	-----	----	525	---
50.00	1.64	189.00	1.17	0.62	Fine Sand	38	1.64	41	78	416	-----	----	1134	---
51.00	1.64	181.69	1.13	0.62	Fine Sand	36	1.67	41	77	400	-----	----	1090	---
52.00	1.64	188.20	1.24	0.66	Fine Sand	38	1.71	41	77	414	-----	----	1129	---
53.00	1.47	93.65	1.47	1.57	Silty to Clayey F.S.	31	1.74	37	57	206	-----	----	562	---
54.00	1.79	172.94	1.40	0.81	Fine Sand	35	1.77	40	75	380	-----	----	1038	---
55.00	1.58	100.35	1.84	1.83	Silty to Clayey F.S.	33	1.80	37	59	221	-----	----	602	---
56.00	1.68	141.40	0.96	0.68	Fine Sand	28	1.84	39	68	311	-----	----	846	---
57.00	1.80	159.95	1.82	1.14	Silty Fine Sand	40	1.87	40	72	352	-----	----	960	---
58.00	1.74	144.94	1.77	1.22	Silty Fine Sand	36	1.90	39	68	319	-----	----	870	---
59.00	1.65	117.39	1.50	1.28	Silty Fine Sand	29	1.93	38	62	258	-----	----	704	---
60.00	1.67	96.59	1.86	1.94	Silty to Clayey F.S.	32	1.96	37	56	212	-----	----	580	---
61.00	1.64	70.60	1.37	1.95	Silty to Clayey F.S.	24	1.99	34	47	155	-----	----	424	---
62.00	1.90	160.49	0.65	0.41	Fine Sand	32	2.02	39	70	353	-----	----	960	---
63.00	1.90	180.71	1.39	0.77	Fine Sand	36	2.06	40	74	398	-----	----	1084	---
64.00	1.63	76.20	1.59	2.04	Silty to Clayey F.S.	26	2.09	35	49	172	-----	----	469	---
65.00	1.79	110.09	1.44	1.31	Silty Fine Sand	28	2.12	37	59	242	-----	----	661	---
66.00	1.95	130.47	1.53	1.17	Silty Fine Sand	33	2.15	38	64	287	-----	----	783	---
67.00	2.13	207.18	1.82	0.88	Fine Sand	41	2.18	40	77	456	-----	----	1243	---
68.00	1.84	63.46	1.59	2.51	Clayey Fine Sand	25	2.21	---	---	817	4.1	2.4	127	>10
69.00	1.94	75.42	1.67	2.21	Silty to Clayey F.S.	25	2.24	34	47	166	-----	----	453	---
70.00	2.25	247.32	0.62	0.25	Cemented Sand to har	41	2.28	41	81	544	-----	----	1484	---
71.00	2.02	136.81	0.71	0.45	Fine Sand	31	2.31	36	68	344	-----	----	939	---
72.00	2.22	210.15	0.62	0.29	Fine Sand	41	2.35	40	76	462	-----	----	1261	---
73.00	2.17	185.95	0.81	0.44	Fine Sand	37	2.38	39	72	409	-----	----	1116	---
74.00	2.14	153.66	0.69	0.45	Fine Sand	31	2.41	39	67	338	-----	----	922	---
75.00	1.93	76.87	0.96	1.25	Silty Fine Sand	19	2.44	34	47	169	-----	----	461	---
76.00	2.16	133.15	2.12	1.59	Silty Fine Sand	33	2.47	37	62	293	-----	----	799	---
77.00	2.02	71.28	1.39	1.96	Silty to Clayey F.S.	24	2.50	33	44	157	-----	----	428	---
78.00	2.31	109.94	1.47	1.34	Silty Fine Sand	27	2.54	36	56	242	-----	----	660	---
79.00	2.21	64.33	1.56	2.42	Clayey Fine Sand	26	2.57	---	---	823	4.1	2.5	129	>10
80.00	2.2.	121.21	1.22	1.01	Silty Fine Sand	30	2.60	36	59	267	-----	----	727	---
81.00	2.68	189.47	2.20	1.16	Fine Sand	38	2.63	39	71	417	-----	----	1137	---
82.00	2.94	277.36	2.12	0.76	Fine Sand	55	2.66	41	82	610	-----	----	1664	---
83.00	1.60	362.47	0.67	0.18	Cemented Sand to har	60	2.70	42	90	797	-----	----	2175	---
84.00	1.67	278.13	0.23	0.09	Cemented Sand to har	46	2.74	41	82	612	-----	----	1669	---
85.00	0.77	354.87	0.71	0.20	Cemented Sand to har	59	2.77	42	89	781	-----	----	2129	---
86.00	0.64	349.28	0.65	0.19	Cemented Sand to har	58	2.81	42	88	768	-----	----	2096	---

****

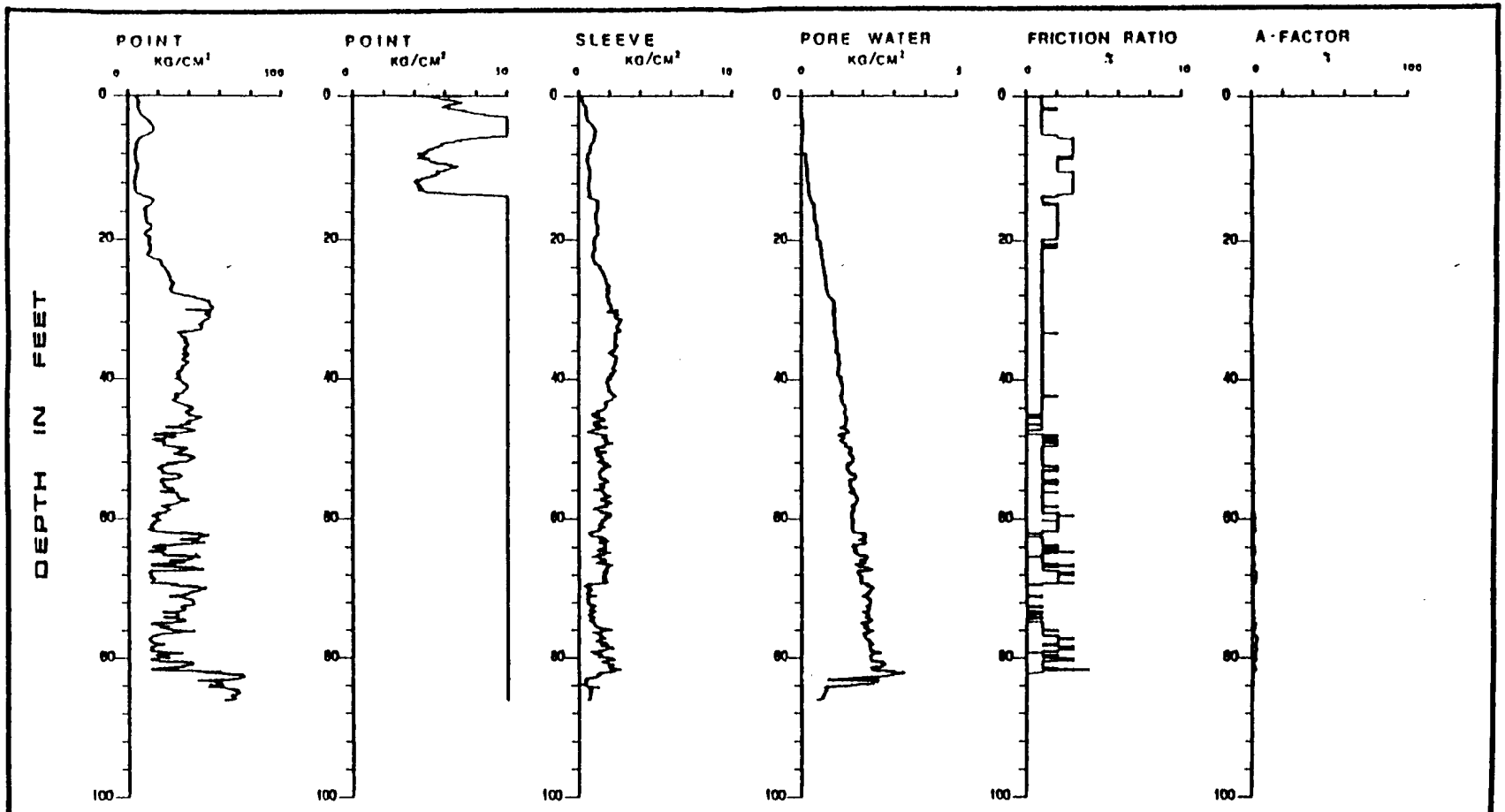
HOLE: 11PC102 CLIENT: ABB
JOB: 0CCL LOC: 120
GWD: 5 Ft TECHS: GC

****

Depth	PP	PT	SL	FR	Soil Type	N	VES	FA	RD	YM	USS	SEN	CM	OCR

N - Equivalent SPT Blow Count (bpf)
VES - Vertical Effective Stress (Kg/cm2)
FA - Friction Angle (Degress)
RD - Relative Density (+ or - 5%)
YM - Youngs Modulus
USS - Undrained Sheer Strength
SEN - Sensitivity
CM - Constrained Modulus
OCR - Estimated Over Consolidation Ratio

The above data was computed following basic guidelines by P.K. Robertson and R.G. Campanella in the handbook 'Guidelines for Use and Interpretation of the Electronic Cone Penetration Test', September, 1989.



PC-1 LOG

CLIENT: ABB
JOB: OCCL
LOCATION: 120

SOUNDING NO.: 11PC102
DATE: 10-30-1992
TIME:

SUBSURFACE TECHNOLOGY INCORPORATED

HOLE: 11PC103 CLIENT: ABB
JOB: OCCL LOC: 103
GWD: 5 Ft TECHS: SAS

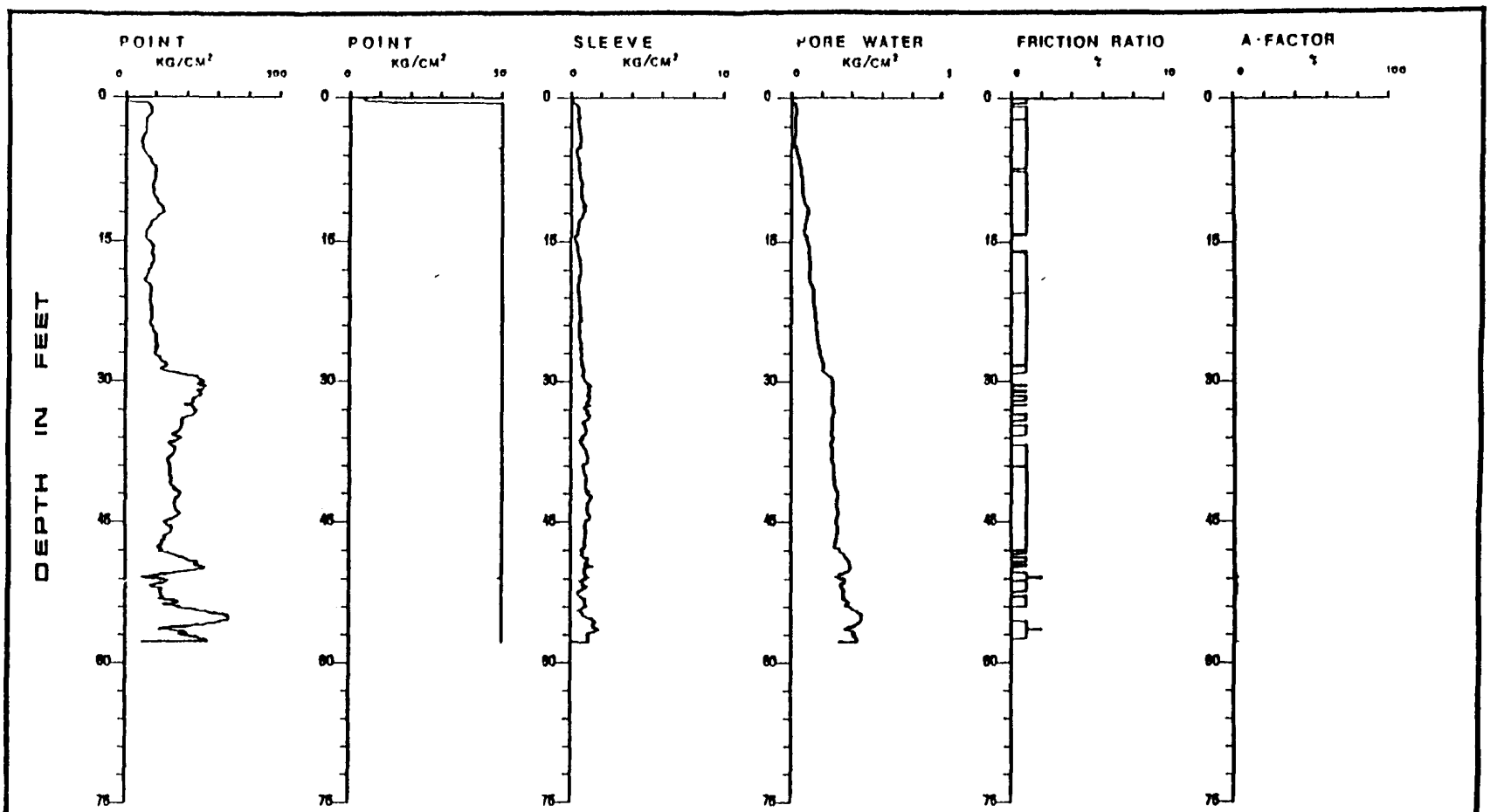
Depth	PP	PT	SL	FR	Soil Type	N	VES	FA	RD	YM	USS	SEN	CM	OCR
1.00	0.15	83.45	0.45	0.54	Silty Fine Sand	21	0.05	>45	100+	184	-----	----	501	---
2.00	0.14	77.51	0.55	0.71	Silty Fine Sand	19	0.10	>45	93	171	-----	----	465	---
3.00	0.13	66.63	0.50	0.74	Silty Fine Sand	17	0.15	>45	83	147	-----	----	400	---
4.00	0.12	57.83	0.62	1.07	Silty to Clayey F.S.	19	0.20	>45	75	127	-----	----	347	---
5.00	0.11	53.62	0.56	1.05	Silty to Clayey F.S.	18	0.24	44	69	118	-----	----	322	---
6.00	0.22	69.55	0.38	0.55	Silty Fine Sand	17	0.27	>45	75	153	-----	----	417	---
7.00	0.29	90.02	0.56	0.62	Silty Fine Sand	23	0.31	>45	81	198	-----	----	540	---
8.00	0.32	100.05	0.55	0.55	Fine Sand	20	0.34	>45	83	220	-----	----	600	---
9.00	0.36	92.80	0.69	0.74	Silty Fine Sand	23	0.37	>45	79	204	-----	----	557	---
10.00	0.37	89.78	0.66	0.73	Silty Fine Sand	22	0.40	45	77	198	-----	----	539	---
11.00	0.44	106.10	0.85	0.80	Silty Fine Sand	27	0.43	45	81	233	-----	----	637	---
12.00	0.58	129.81	0.74	0.57	Fine Sand	26	0.46	>45	85	286	-----	----	779	---
13.00	0.47	88.61	0.49	0.55	Silty Fine Sand	22	0.50	43	74	195	-----	----	532	---
14.00	0.42	69.04	0.36	0.53	Silty Fine Sand	17	0.53	42	66	152	-----	----	414	---
15.00	0.53	75.86	0.26	0.34	Silty Fine Sand	19	0.56	42	67	167	-----	----	455	---
16.00	0.58	92.39	0.42	0.45	Fine Sand	18	0.59	43	72	203	-----	----	554	---
17.00	0.61	96.21	0.58	0.60	Silty Fine Sand	24	0.62	43	73	212	-----	----	577	---
18.00	0.62	81.85	0.61	0.75	Silty Fine Sand	20	0.65	42	67	180	-----	----	491	---
19.00	0.59	64.45	0.52	0.81	Silty Fine Sand	16	0.68	40	60	142	-----	----	387	---
20.00	0.71	86.23	0.47	0.54	Silty Fine Sand	22	0.71	42	68	190	-----	----	517	---
21.00	0.72	80.25	0.49	0.62	Silty Fine Sand	20	0.74	41	65	177	-----	----	481	---
22.00	0.75	84.39	0.60	0.71	Silty Fine Sand	21	0.77	41	66	186	-----	----	506	---
23.00	0.78	86.42	0.56	0.65	Silty Fine Sand	22	0.81	41	66	190	-----	----	519	---
24.00	0.81	82.19	0.58	0.70	Silty Fine Sand	21	0.84	40	64	181	-----	----	493	---
25.00	0.87	98.39	0.56	0.57	Fine Sand	20	0.87	41	69	216	-----	----	590	---
26.00	0.89	101.71	0.65	0.64	Fine Sand	20	0.90	41	69	224	-----	----	610	---
27.00	0.93	96.46	0.69	0.72	Silty Fine Sand	24	0.93	41	67	212	-----	----	579	---
28.00	1.03	122.53	0.71	0.58	Fine Sand	25	0.97	42	73	270	-----	----	735	---
29.00	1.07	132.18	0.80	0.61	Fine Sand	26	1.00	42	75	291	-----	----	793	---
30.00	1.38	249.37	0.91	0.37	Cemented Sand to Mar	42	1.04	45	93	549	-----	----	1496	---
31.00	1.37	235.44	1.26	0.53	Fine Sand	47	1.07	44	91	518	-----	----	1413	---
32.00	1.35	216.54	1.11	0.51	Fine Sand	43	1.10	44	88	476	-----	----	1299	---
33.00	1.42	221.47	0.96	0.43	Fine Sand	44	1.14	44	88	487	-----	----	1329	---
34.00	1.36	187.97	1.13	0.60	Fine Sand	38	1.17	43	83	414	-----	----	1128	---
35.00	1.34	179.76	0.96	0.54	Fine Sand	36	1.20	43	81	395	-----	----	1079	---
36.00	1.42	181.24	0.71	0.39	Fine Sand	36	1.24	42	81	399	-----	----	1087	---
37.00	1.35	156.03	0.84	0.54	Fine Sand	31	1.27	42	76	343	-----	----	936	---
38.00	1.36	153.06	1.13	0.74	Fine Sand	31	1.30	41	75	337	-----	----	918	---
39.00	1.40	146.48	0.74	0.51	Fine Sand	29	1.34	41	74	322	-----	----	879	---
40.00	1.39	141.40	0.98	0.69	Fine Sand	28	1.37	41	72	311	-----	----	848	---
41.00	1.42	144.95	0.95	0.66	Fine Sand	29	1.40	41	73	319	-----	----	870	---
42.00	1.55	179.04	1.02	0.57	Fine Sand	36	1.43	42	79	394	-----	----	1074	---
43.00	1.52	162.76	1.11	0.68	Fine Sand	33	1.47	41	75	358	-----	----	977	---

HOLE: 11PC103 CLIENT: ABB
JOB: OCCL LOC: 103
GWD: 5 Ft TECHS: SAS

Depth	PP	PT	SL	FR	Soil Type	N	VES	FA	RD	YM	USS	SEN	CM	OCR
44.00	1.55	170.04	1.10	0.64	Fine Sand	34	1.50	41	76	374	-----	----	1020	---
45.00	1.48	133.62	1.03	0.77	Fine Sand	27	1.53	40	69	294	-----	----	802	---
46.00	1.55	150.07	1.00	0.66	Fine Sand	30	1.57	40	72	330	-----	----	900	---
47.00	1.48	125.23	0.91	0.73	Fine Sand	25	1.60	39	67	276	-----	----	751	---
48.00	1.60	121.21	0.64	0.53	Fine Sand	24	1.63	39	65	267	-----	----	727	---
49.00	1.84	198.32	1.05	0.53	Fine Sand	40	1.67	41	79	436	-----	----	1190	---
50.00	1.95	242.29	0.89	0.37	Cemented Sand to Har	40	1.70	42	85	533	-----	----	1454	---
51.00	1.64	85.82	1.00	1.16	Silty Fine Sand	21	1.73	37	55	189	-----	----	515	---
52.00	1.66	95.42	0.87	0.91	Silty Fine Sand	24	1.77	37	58	210	-----	----	573	---
53.00	1.77	129.12	0.71	0.55	Fine Sand	26	1.80	39	66	284	-----	----	775	---
54.00	1.95	172.82	0.88	0.51	Fine Sand	35	1.83	40	74	380	-----	----	1037	---
55.00	2.31	327.65	0.91	0.28	Cemented Sand to Har	55	1.87	43	92	721	-----	----	1966	---
56.00	2.13	240.66	1.38	0.57	Fine Sand	48	1.90	42	83	529	-----	----	1444	---
57.00	2.05	189.34	1.03	0.55	Fine Sand	38	1.93	40	76	417	-----	----	1136	---

N - Equivalent SPT Blow Count (bpf)
VES - Vertical Effective Stress (Kg/cm2)
FA - Friction Angle (Degrees)
RD - Relative Density (+ or - 5%)
YM - Youngs Modulus
USS - Undrained Sheer Strength
SEN - Sensitivity
CM - Constrained Modulus
OCR - Estimated Over Consolidation Ratio

The above data was computed following basic guidelines by P.K. Robertson and R.G. Campanella in the handbook 'Guidelines for Use and Interpretation of the Electronic Cone Penetration Test', September, 1989.



PC-1 LOG

CLIENT: ABB
JOB: OCCL
LOCATION: 103

SOUNDING NO.: 11PC103
DATE: 10-30-1992
TIME:

SUBSURFACE TECHNOLOGY INCORPORATED

HOLE: 11PC104 CLIENT: ABB
JOB: OCCL LOC: 104
GWD: 4 Ft TECHS: SAS

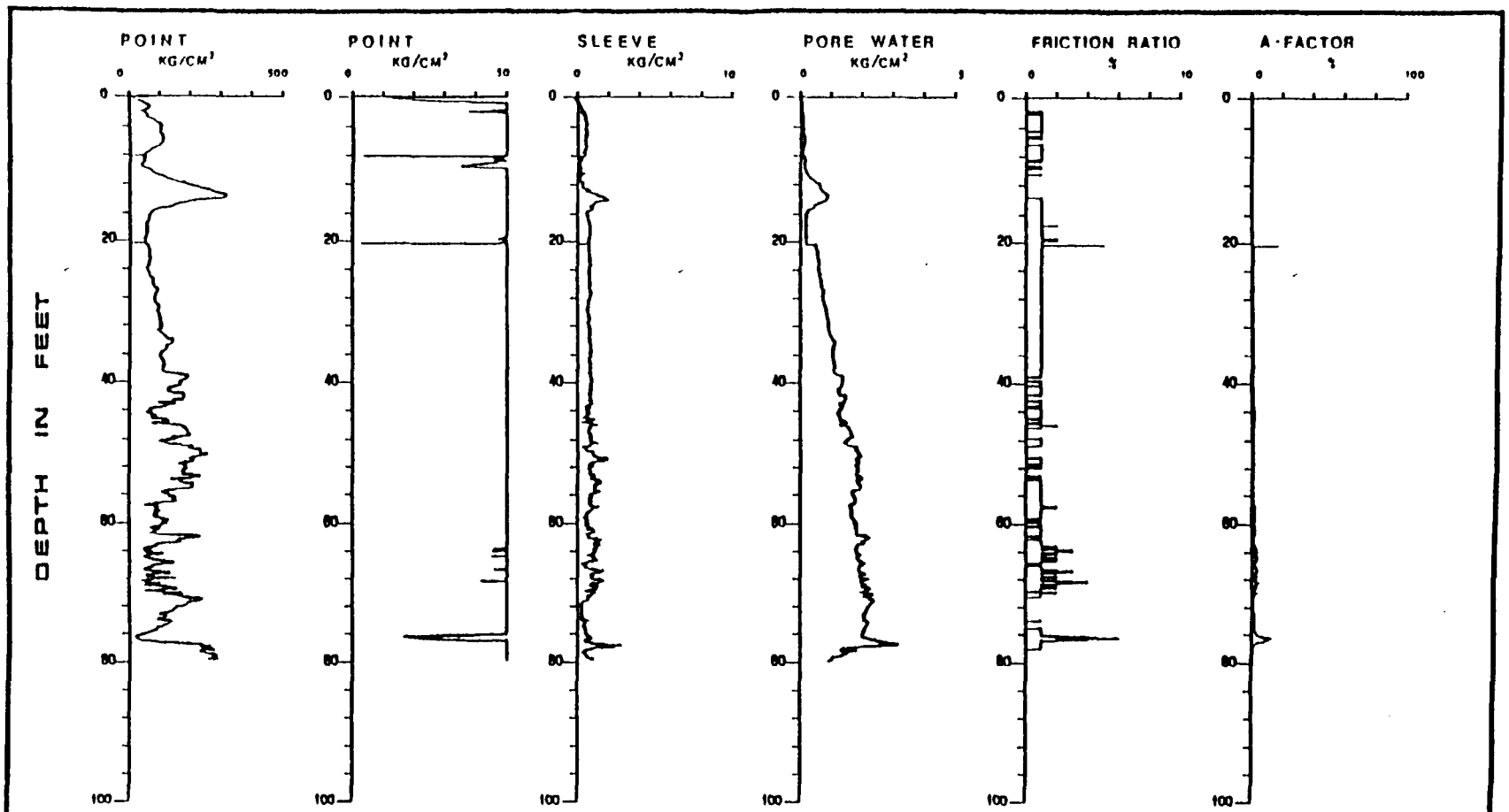
Depth	PP	PT	SL	FR	Soil Type	N	VES	FA	RD	YM	USS	SEN	CM	CCR
1.00	0.04	53.87	0.01	0.01	Silty Fine Sand	13	0.05	>45	93	119	-----	----	323	---
2.00	0.03	41.91	0.34	0.82	Silty to Clayey F.S.	14	0.10	>45	75	92	-----	----	251	---
3.00	0.09	68.04	0.53	0.78	Silty Fine Sand	17	0.15	>45	83	150	-----	----	408	---
4.00	0.11	101.53	0.51	0.50	Fine Sand	20	0.20	>45	90	223	-----	----	609	---
5.00	0.11	101.44	0.59	0.58	Fine Sand	20	0.23	>45	88	223	-----	----	609	---
6.00	0.13	107.49	0.48	0.45	Fine Sand	21	0.27	>45	88	236	-----	----	645	---
7.00	0.08	85.18	0.55	0.65	Silty Fine Sand	21	0.30	>45	80	187	-----	----	511	---
8.00	0.03	49.64	0.47	0.95	Silty to Clayey F.S.	17	0.33	43	63	109	-----	----	298	---
9.00	0.15	46.17	0.10	0.22	Silty Fine Sand	12	0.36	42	60	102	-----	----	277	---
10.00	0.19	65.64	0.14	0.22	Silty Fine Sand	16	0.39	43	68	144	-----	----	394	---
11.00	0.33	109.17	0.10	0.09	Fine Sand	22	0.42	>45	82	240	-----	----	655	---
12.00	0.65	180.91	0.37	0.20	Fine Sand	36	0.46	>45	95	398	-----	----	1085	---
13.00	0.76	265.91	0.67	0.25	Cemented Sand to Har	44	0.49	>45	100+	585	-----	----	1595	---
14.00	0.85	293.07	1.81	0.62	Fine Sand	59	0.53	>45	100+	645	-----	----	1758	---
15.00	0.44	147.69	0.82	0.55	Fine Sand	30	0.56	>45	87	325	-----	----	886	---
16.00	0.20	70.85	0.56	0.78	Silty Fine Sand	18	0.59	41	65	156	-----	----	425	---
17.00	0.18	62.98	0.68	1.07	Silty Fine Sand	16	0.62	41	61	139	-----	----	378	---
18.00	0.19	54.53	0.76	1.43	Silty to Clayey F.S.	18	0.65	40	56	120	-----	----	327	---
19.00	0.19	56.71	0.81	1.44	Silty to Clayey F.S.	19	0.68	39	56	125	-----	----	340	---
20.00	0.18	49.52	0.66	1.34	Silty to Clayey F.S.	17	0.71	38	52	109	-----	----	297	---
21.00	0.52	59.97	0.71	1.19	Silty to Clayey F.S.	20	0.74	39	57	132	-----	----	360	---
22.00	0.55	62.63	0.74	1.17	Silty to Clayey F.S.	21	0.77	39	57	138	-----	----	376	---
23.00	0.58	62.27	0.74	1.18	Silty to Clayey F.S.	21	0.81	39	57	137	-----	----	374	---
24.00	0.60	54.58	0.81	1.48	Silty to Clayey F.S.	18	0.84	38	52	120	-----	----	328	---
25.00	0.64	63.25	0.81	1.28	Silty to Clayey F.S.	21	0.87	39	56	139	-----	----	379	---
26.00	0.68	74.29	0.81	1.09	Silty Fine Sand	19	0.90	39	60	163	-----	----	446	---
27.00	0.75	89.45	0.86	0.96	Silty Fine Sand	22	0.93	40	65	197	-----	----	537	---
28.00	0.75	82.06	0.83	1.01	Silty Fine Sand	21	0.96	40	62	181	-----	----	492	---
29.00	0.78	86.65	0.66	0.78	Silty Fine Sand	22	0.99	40	63	191	-----	----	520	---
30.00	0.84	88.66	0.66	0.74	Silty Fine Sand	22	1.02	40	63	195	-----	----	532	---
31.00	0.89	97.44	0.74	0.76	Silty Fine Sand	24	1.05	40	66	214	-----	----	585	---
32.00	0.91	103.01	0.70	0.68	Silty Fine Sand	26	1.08	40	67	227	-----	----	618	---
33.00	0.95	97.77	0.69	0.71	Silty Fine Sand	24	1.11	40	65	215	-----	----	587	---
34.00	1.11	137.32	0.75	0.55	Fine Sand	27	1.15	41	74	302	-----	----	824	---
35.00	1.05	116.75	0.82	0.70	Fine Sand	23	1.18	40	69	257	-----	----	700	---
36.00	1.06	99.02	0.79	0.80	Silty Fine Sand	25	1.21	39	64	218	-----	----	594	---
37.00	1.09	106.35	0.71	0.66	Fine Sand	21	1.24	40	66	234	-----	----	638	---
38.00	1.10	107.40	0.77	0.72	Silty Fine Sand	27	1.27	40	66	236	-----	----	644	---
39.00	1.34	158.76	0.82	0.52	Fine Sand	32	1.31	42	76	349	-----	----	953	---
40.00	1.35	163.78	1.00	0.61	Fine Sand	33	1.34	42	77	360	-----	----	983	---
41.00	1.23	125.31	0.84	0.67	Fine Sand	25	1.37	40	69	276	-----	----	752	---
42.00	1.48	173.51	0.84	0.48	Fine Sand	35	1.41	42	78	382	-----	----	1041	---
43.00	1.27	95.11	0.90	0.94	Silty Fine Sand	24	1.44	38	60	209	-----	----	571	---

HOLE: 11PC104 CLIENT: ABB
JOB: 0001 LOC: 104
GWD: 4 Ft TECHS: SAS

Depth	PP	PT	SL	FR	Soil Type	N	VES	FA	RD	YM	USS	SEN	CM	OCR
44.00	1.23	62.50	0.62	1.00	Silty Fine Sand	16	1.47	36	48	137	-----	----	375	---
45.00	1.28	76.24	0.41	0.54	Silty Fine Sand	19	1.50	37	53	168	-----	----	457	---
46.00	1.39	98.17	1.29	1.31	Silty Fine Sand	25	1.53	38	60	216	-----	----	589	---
47.00	1.65	186.61	0.63	0.34	Fine Sand	37	1.56	41	78	411	-----	----	1120	---
48.00	1.52	141.40	0.77	0.54	Fine Sand	28	1.60	40	70	311	-----	----	848	---
49.00	1.72	170.13	0.60	0.35	Fine Sand	34	1.63	41	75	374	-----	----	1021	---
50.00	1.91	231.40	0.98	0.42	Fine Sand	46	1.66	42	84	509	-----	----	1388	---
51.00	1.85	195.85	1.90	0.97	Fine Sand	39	1.70	41	79	431	-----	----	1175	---
52.00	1.86	179.88	0.87	0.48	Fine Sand	36	1.73	41	76	396	-----	----	1079	---
53.00	1.83	175.60	0.74	0.42	Fine Sand	35	1.76	40	75	386	-----	----	1054	---
54.00	1.90	168.52	1.28	0.76	Fine Sand	34	1.80	40	74	371	-----	----	1011	---
55.00	1.97	207.07	1.16	0.56	Fine Sand	41	1.83	41	79	456	-----	----	1242	---
56.00	1.69	118.74	0.80	0.67	Fine Sand	24	1.86	38	63	261	-----	----	712	---
57.00	1.84	151.41	0.84	0.56	Fine Sand	30	1.90	39	70	333	-----	----	908	---
58.00	1.66	93.78	1.06	1.13	Silty Fine Sand	23	1.93	36	56	206	-----	----	563	---
59.00	1.66	82.98	0.50	0.61	Silty Fine Sand	21	1.96	36	52	183	-----	----	498	---
60.00	1.84	114.79	0.77	0.67	Fine Sand	23	1.99	37	61	253	-----	----	689	---
61.00	1.80	84.90	1.09	1.29	Silty Fine Sand	21	2.02	36	52	187	-----	----	509	---
62.00	2.28	229.37	0.66	0.29	Cemented Sand to Har	35	2.06	41	80	505	-----	----	1376	---
63.00	1.92	124.40	1.03	0.82	Fine Sand	25	2.09	38	63	274	-----	----	746	---
64.00	1.81	48.76	1.16	2.38	Clayey Fine Sand	20	2.12	---	---	622	3.1	2.5	96	>10
65.00	1.85	55.26	0.96	1.73	Silty to Clayey F.S.	18	2.15	32	39	122	-----	----	332	---
66.00	1.93	93.34	0.45	0.48	Fine Sand	19	2.19	36	54	205	-----	----	560	---
67.00	2.01	97.45	1.46	1.50	Silty Fine Sand	24	2.22	36	55	214	-----	----	585	---
68.00	2.21	147.91	1.01	0.68	Fine Sand	30	2.25	38	67	325	-----	----	887	---
69.00	2.01	51.73	0.86	1.64	Silty to Clayey F.S.	18	2.28	32	37	116	-----	----	316	---
70.00	2.03	59.49	1.00	1.69	Silty to Clayey F.S.	20	2.31	33	40	131	-----	----	357	---
71.00	2.36	224.97	0.74	0.33	Cemented Sand to Har	37	2.35	40	78	495	-----	----	1350	---
72.00	2.23	160.87	0.18	0.10	Fine Sand	36	2.39	39	72	398	-----	----	1085	---
73.00	2.10	122.97	0.26	0.21	Fine Sand	25	2.41	37	60	271	-----	----	738	---
74.00	2.05	91.20	0.39	0.43	Fine Sand	18	2.45	35	52	201	-----	----	547	---
75.00	2.15	112.40	0.36	0.32	Fine Sand	22	2.48	36	57	247	-----	----	674	---
76.00	2.02	55.95	0.47	0.85	Silty Fine Sand	14	2.51	31	37	123	-----	----	336	---
77.00	2.54	38.27	0.45	1.16	Silty to Clayey F.S.	13	2.54	<30	26	84	-----	----	230	---
78.00	1.47	245.70	1.80	0.73	Fine Sand	49	2.58	40	79	541	-----	----	1474	---
79.00	1.37	277.87	0.51	0.18	Cemented Sand to Har	46	2.61	41	83	611	-----	----	1667	---

N - Equivalent SPT Blow Count (bpf)
VES - vertical Effective Stress (kg/cm2)
FA - Friction Angle (Degress)
RD - Relative Density (+ or - 5%)
YM - Youngs Modulus
USS - Undrained Sheer Strength
SEN - Sensitivity
CM - Constrained Modulus
OCR - Estimated Over Consolidation Ratio

The above data was computed following basic guidelines by P.K. Robertson and R.G. Campanella in the handbook 'Guidelines for Use and Interpretation of the Electronic Cone Penetration Test'. September, 1989.



PC-1 LOG

CLIENT: ABB
JOB: OCCL
LOCATION: 104

SOUNDING NO.: 11PC104
DATE: 10-30-1992
TIME:

SUBSURFACE TECHNOLOGY INCORPORATED

HOLE: 11PC105 CLIENT: ABB
JOB: 0001 LOC: KINGSBAY
GWD: 2 Ft TECHS: GC

Depth	PP	PT	SL	FR	Soil Type	N	VES	FA	RD	YM	USS	SEN	CM	OCR
1.00	0.00	61.67	0.10	0.17	Silty Fine Sand	15	0.05	>45	96	136	-----	----	370	---
2.00	0.06	61.59	0.29	0.47	Silty Fine Sand	15	0.10	>45	86	136	-----	----	370	---
3.00	0.07	65.24	0.44	0.67	Silty Fine Sand	16	0.13	>45	84	144	-----	----	391	---
4.00	0.10	96.18	0.66	0.69	Silty Fine Sand	24	0.16	>45	92	212	-----	----	577	---
5.00	0.04	39.91	0.68	1.72	Silty to Clayey F.S.	13	0.19	44	64	88	-----	----	239	---
6.00	0.08	58.99	0.87	1.47	Silty to Clayey F.S.	20	0.22	>45	74	130	-----	----	354	---
7.00	0.15	119.35	0.88	0.74	Fine Sand	24	0.25	>45	92	263	-----	----	716	---
8.00	0.14	79.19	1.59	2.01	Silty to Clayey F.S.	26	0.28	>45	78	174	-----	----	475	---
9.00	0.27	104.12	1.46	1.43	Silty Fine Sand	26	0.32	>45	85	229	-----	----	625	---
10.00	0.33	129.62	1.64	1.42	Silty Fine Sand	32	0.35	>45	90	285	-----	----	778	---
11.00	0.39	119.09	1.86	1.56	Silty Fine Sand	30	0.38	>45	86	262	-----	----	713	---
12.00	0.37	79.76	1.53	1.91	Silty to Clayey F.S.	27	0.41	44	73	175	-----	----	479	---
13.00	0.36	71.94	1.57	2.18	Silty to Clayey F.S.	24	0.44	43	69	158	-----	----	432	---
14.00	0.35	59.59	1.22	2.04	Silty to Clayey F.S.	20	0.47	42	63	131	-----	----	358	---
15.00	0.42	56.46	1.13	2.00	Silty to Clayey F.S.	19	0.50	41	61	124	-----	----	339	---
16.00	0.42	51.19	1.18	2.31	Clayey Fine Sand	20	0.53	---	---	675	3.4	2.6	102	>10
17.00	0.43	42.30	1.05	2.48	Clayey Fine Sand	17	0.56	---	---	556	2.8	2.4	85	>10
18.00	0.51	29.26	0.71	2.42	Clayey Fine Sand	12	0.59	---	---	362	1.9	2.5	59	>10
19.00	0.56	28.88	0.69	2.37	Clayey Fine Sand	12	0.62	---	---	377	1.9	2.5	58	>10
20.00	0.64	50.82	0.94	1.75	Silty to Clayey F.S.	18	0.65	39	55	118	-----	----	323	---
21.00	0.63	48.91	0.98	2.00	Silty to Clayey F.S.	16	0.68	39	52	108	-----	----	293	---
22.00	0.69	54.19	1.18	2.18	Clayey Fine Sand	22	0.72	---	---	713	3.6	2.8	106	>10
23.00	0.73	70.06	1.14	1.63	Silty to Clayey F.S.	23	0.75	40	61	154	-----	----	420	---
24.00	0.72	72.46	1.16	1.61	Silty to Clayey F.S.	24	0.78	40	61	159	-----	----	435	---
25.00	0.75	74.45	1.42	1.90	Silty to Clayey F.S.	25	0.81	40	62	164	-----	----	447	---
26.00	0.76	73.90	1.23	1.66	Silty to Clayey F.S.	25	0.84	40	61	163	-----	----	443	---
27.00	0.79	70.61	1.29	1.83	Silty to Clayey F.S.	24	0.87	39	59	155	-----	----	424	---
28.00	0.82	75.17	1.20	1.60	Silty to Clayey F.S.	25	0.90	40	60	165	-----	----	451	---
29.00	0.84	88.60	1.35	1.41	Silty Fine Sand	22	0.93	40	65	195	-----	----	532	---
30.00	0.89	103.29	1.45	1.41	Silty Fine Sand	26	0.96	41	68	227	-----	----	620	---
31.00	0.97	109.71	1.91	1.74	Silty to Clayey F.S.	37	0.99	41	70	241	-----	----	658	---
32.00	1.06	150.92	1.66	1.10	Silty Fine Sand	38	1.02	43	78	332	-----	----	906	---
33.00	1.03	133.53	1.86	1.39	Silty Fine Sand	33	1.05	42	75	294	-----	----	801	---
34.00	1.01	90.21	1.61	1.79	Silty to Clayey F.S.	30	1.08	40	63	198	-----	----	541	---
35.00	1.00	83.84	1.30	1.55	Silty to Clayey F.S.	28	1.12	39	60	184	-----	----	503	---
36.00	1.08	117.96	1.39	1.18	Silty Fine Sand	29	1.15	41	70	260	-----	----	708	---
37.00	1.24	181.31	1.38	0.76	Fine Sand	36	1.18	43	82	399	-----	----	1088	---
38.00	1.30	194.73	1.70	0.87	Fine Sand	39	1.21	43	83	428	-----	----	1168	---
39.00	1.34	205.45	1.71	0.83	Fine Sand	41	1.25	43	84	452	-----	----	1233	---
40.00	1.39	200.33	1.46	0.72	Fine Sand	41	1.28	43	84	447	-----	----	1220	---
41.00	1.33	177.77	1.32	0.74	Fine Sand	36	1.31	42	80	391	-----	----	1067	---
42.00	1.29	160.39	1.32	0.82	Fine Sand	32	1.35	41	76	353	-----	----	962	---
43.00	1.25	123.23	1.22	0.99	Silty Fine Sand	31	1.38	40	68	271	-----	----	739	---

HOLE: 11PC105 CLIENT: ABB
JOB: 0CCL LOC: KINGSBAY
GWD: 2 Ft TECHS: GC

Depth	PP	PT	SL	FR	Soil Type	N	VES	FA	RD	YM	USS	SEN	CM	OCR
44.00	1.36	151.49	1.34	0.88	Fine Sand	30	1.41	41	74	333	-----	----	909	---
45.00	1.36	155.06	0.95	0.61	Fine Sand	31	1.44	41	74	341	-----	----	930	---
46.00	1.42	145.23	1.02	0.70	Fine Sand	29	1.48	40	72	320	-----	----	871	---
47.00	1.39	110.32	0.56	0.51	Fine Sand	22	1.51	39	64	243	-----	----	662	---
48.00	1.47	115.33	0.74	0.64	Fine Sand	23	1.54	39	65	254	-----	----	692	---
49.00	1.52	138.11	1.15	0.84	Fine Sand	28	1.58	40	70	304	-----	----	829	---
50.00	1.50	127.24	1.02	0.80	Fine Sand	25	1.61	39	67	280	-----	----	763	---
51.00	1.56	138.97	1.22	0.88	Fine Sand	28	1.64	40	69	306	-----	----	834	---
52.00	1.59	107.25	0.58	0.54	Fine Sand	21	1.68	38	62	236	-----	----	644	---
53.00	1.57	75.75	0.93	1.18	Silty Fine Sand	20	1.71	36	52	173	-----	----	473	---
54.00	1.62	97.80	0.98	1.00	Silty Fine Sand	24	1.74	37	58	215	-----	----	587	---
55.00	1.62	105.73	1.40	1.32	Silty Fine Sand	26	1.77	38	60	233	-----	----	634	---
56.00	1.62	97.17	0.95	0.98	Silty Fine Sand	24	1.80	37	58	214	-----	----	583	---
57.00	1.73	153.69	0.88	0.57	Fine Sand	31	1.83	40	71	338	-----	----	922	---
58.00	1.66	94.35	0.38	0.40	Fine Sand	19	1.86	37	56	208	-----	----	566	---
59.00	1.65	68.80	0.89	1.29	Silty to Clayey F.S.	23	1.90	35	47	151	-----	----	413	---
60.00	1.66	52.95	0.86	1.62	Silty to Clayey F.S.	18	1.93	33	39	116	-----	----	318	---
61.00	1.73	89.52	0.68	0.77	Silty Fine Sand	22	1.96	36	54	197	-----	----	537	---
62.00	1.79	82.76	0.82	0.99	Silty Fine Sand	21	1.99	35	52	182	-----	----	497	---
63.00	1.75	53.62	1.10	2.05	Silty to Clayey F.S.	18	2.02	33	39	118	-----	----	322	---
64.00	2.12	201.47	0.94	0.47	Fine Sand	40	2.05	40	77	443	-----	----	1209	---
65.00	1.80	87.68	1.17	1.34	Silty Fine Sand	22	2.08	36	53	193	-----	----	526	---
66.00	2.16	217.17	1.71	0.79	Fine Sand	43	2.12	41	78	478	-----	----	1303	---
67.00	1.88	96.46	1.14	1.18	Silty Fine Sand	24	2.15	36	55	212	-----	----	579	---
68.00	1.85	44.65	1.32	2.97	Clayey Fine Sand	18	2.18	---	---	566	2.8	2.0	89	7
69.00	2.03	178.38	0.67	0.37	Fine Sand	36	2.21	39	72	392	-----	----	1070	---
70.00	1.98	109.26	0.90	0.82	Silty Fine Sand	27	2.24	38	58	240	-----	----	656	---
71.00	2.02	114.80	1.01	0.88	Silty Fine Sand	29	2.27	37	59	253	-----	----	689	---
72.00	2.00	36.81	1.44	3.90	Sandy Clay	16	2.30	---	---	460	2.3	1.5	74	4
73.00	2.04	76.25	0.96	1.26	Silty Fine Sand	19	2.33	34	47	168	-----	----	458	---
74.00	2.11	89.74	0.32	0.36	Fine Sand	19	2.36	35	52	197	-----	----	538	---
75.00	2.27	103.96	1.49	1.43	Silty Fine Sand	26	2.39	36	56	229	-----	----	624	---
76.00	2.11	83.56	0.69	0.83	Silty Fine Sand	21	2.42	34	49	184	-----	----	501	---
77.00	2.03	65.53	0.37	0.56	Silty Fine Sand	16	2.46	33	42	144	-----	----	393	---
78.00	1.59	56.38	0.45	0.81	Silty Fine Sand	14	2.49	32	38	124	-----	----	338	---
79.00	1.76	43.46	0.94	2.16	Clayey Fine Sand	17	2.52	---	---	546	2.7	2.8	87	4
80.00	1.77	144.79	0.07	0.05	Fine Sand	29	2.55	37	64	319	-----	----	869	---
81.00	1.43	236.70	0.31	0.13	Cemented Sand to Har	39	2.59	40	76	521	-----	----	1420	---
82.00	0.96	201.24	0.23	0.12	Cemented Sand to Har	34	2.62	39	73	443	-----	----	1207	---
83.00	1.64	202.25	0.22	0.11	Cemented Sand to Har	34	2.66	39	73	445	-----	----	1213	---
84.00	0.67	256.72	0.79	0.31	Cemented Sand to Har	43	2.70	40	80	569	-----	----	1552	---
85.00	0.23	11.66	0.04	0.38	Clayey Fine Sand	5	2.73	---	---	119	0.6	15.7	58	1

N - Equivalent SPT Blow Count (bpf)
VES - Vertical Effective Stress (kg/cm2)
FA - Friction Angle (Degress)
RD - Relative Density (+ or - 5%)
YM - Young Modulus
USS - Unconfined Shear Strength
SEN - Sensitivity
CM - Constrained Modulus
OCR - Estimated Over Consolidation Ratio

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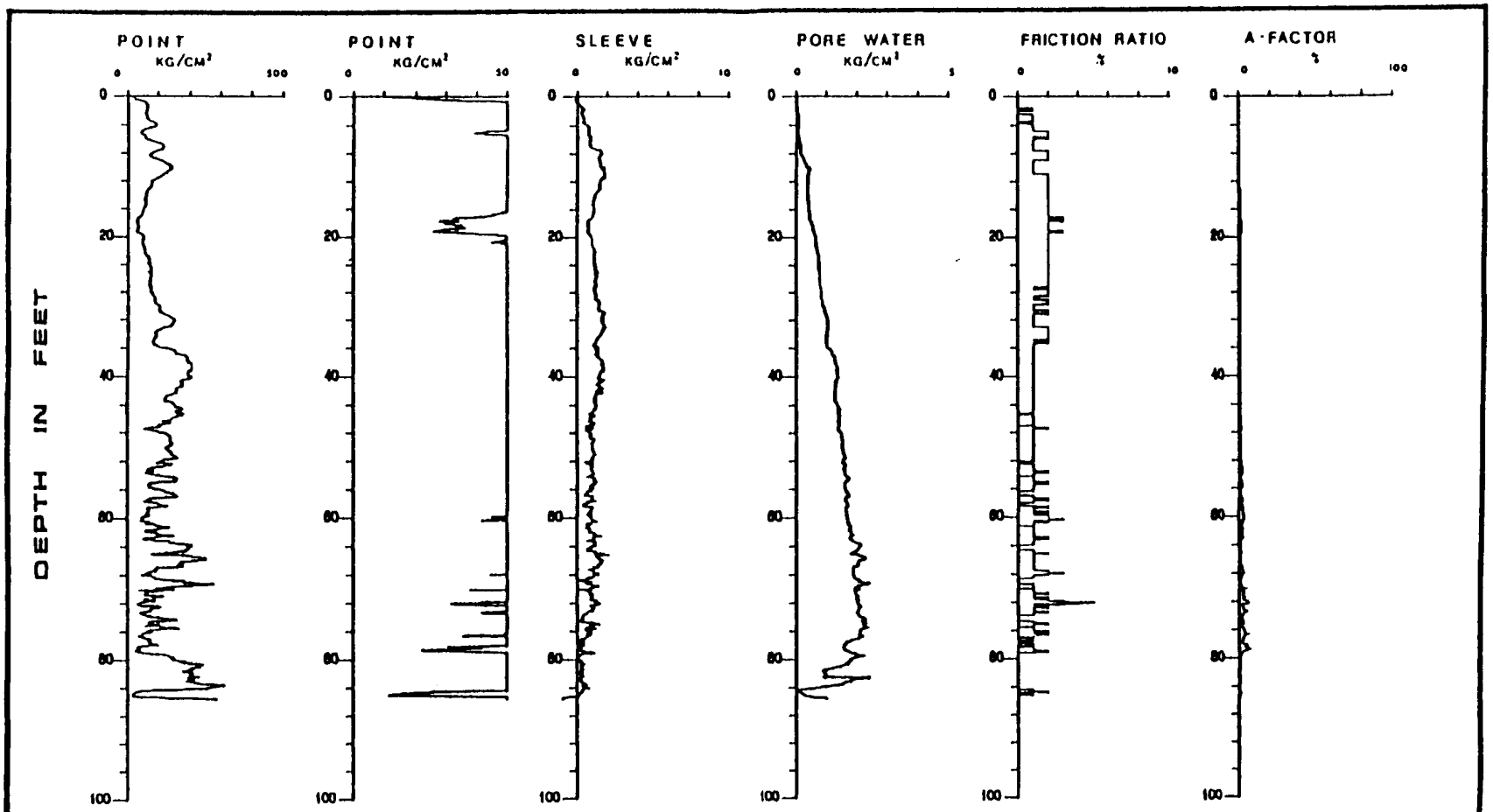

PC-1 LOG

CLIENT: ABB
JOB: OCCL
LOCATION: KINGSBAY

SOUNDING NO.: 11PC105
DATE: 10-31-1992
TIME:

SUBSURFACE TECHNOLOGY INCORPORATED

HOLE: 11PC106 CLIENT: ABB
JOB: 0001 LOC: KINGSBAY
GWD: 5 Ft TECHS: GC

Depth	PP	PT	SL	FR	Soil Type	N	VES	FA	RD	YM	USS	SEN	CM	OCR
1.00	0.02	27.01	0.66	2.43	Clayey Fine Sand	11	0.05	---	---	359	1.8	2.5	54	>10
2.00	0.05	67.42	0.60	0.89	Silty Fine Sand	17	0.10	>45	89	148	-----	----	404	---
3.00	0.03	51.09	0.39	0.76	Silty Fine Sand	13	0.15	>45	75	112	-----	----	307	---
4.00	0.03	36.77	0.46	1.26	Silty to Clayey F.S.	12	0.20	44	62	81	-----	----	221	---
5.00	0.04	38.04	0.51	1.34	Silty to Clayey F.S.	13	0.24	43	59	84	-----	----	228	---
6.00	0.07	50.41	0.37	0.73	Silty Fine Sand	13	0.27	44	66	111	-----	----	302	---
7.00	0.06	65.66	0.35	0.53	Silty Fine Sand	16	0.31	44	72	144	-----	----	394	---
8.00	0.08	62.63	0.49	0.79	Silty Fine Sand	16	0.34	44	69	138	-----	----	376	---
9.00	0.12	39.14	0.71	1.82	Clayey Fine Sand	16	0.37	---	---	517	2.6	3.3	78	>10
10.00	0.15	28.72	0.53	1.86	Clayey Fine Sand	11	0.40	---	---	378	1.9	3.2	57	>10
11.00	0.20	69.02	0.01	0.02	Silty Fine Sand	17	0.43	43	69	152	-----	----	414	---
12.00	0.22	87.71	0.31	0.35	Fine Sand	18	0.46	44	74	193	-----	----	526	---
13.00	0.54	255.59	0.24	0.10	Cemented Sand to Har	43	0.50	>45	100+	562	-----	----	1534	---
14.00	0.55	259.62	1.37	0.53	Fine Sand	52	0.53	>45	100+	571	-----	----	1558	---
15.00	0.84	351.44	1.44	0.41	Cemented Sand to Har	59	0.57	>45	100+	773	-----	----	2109	---
16.00	1.02	415.48	1.19	0.29	Cemented Sand to Har	69	0.61	>45	100+	914	-----	----	2493	---
17.00	1.11	488.89	1.46	0.30	Cemented Sand to Har	81	0.64	>45	100+	%1076	-----	----	2933	---

N - Equivalent SPT Blow Count (bpf)
VES - Vertical Effective Stress (Kg/cm2)
FA - Friction Angle (Degress)
RD - Relative Density (+ or - 5%)
YM - Youngs Modulus
USS - Undrained Sheer Strength
SEN - Sensitivity
CM - Constrained Modulus
OCR - Estimated Over Consolidation Ratio

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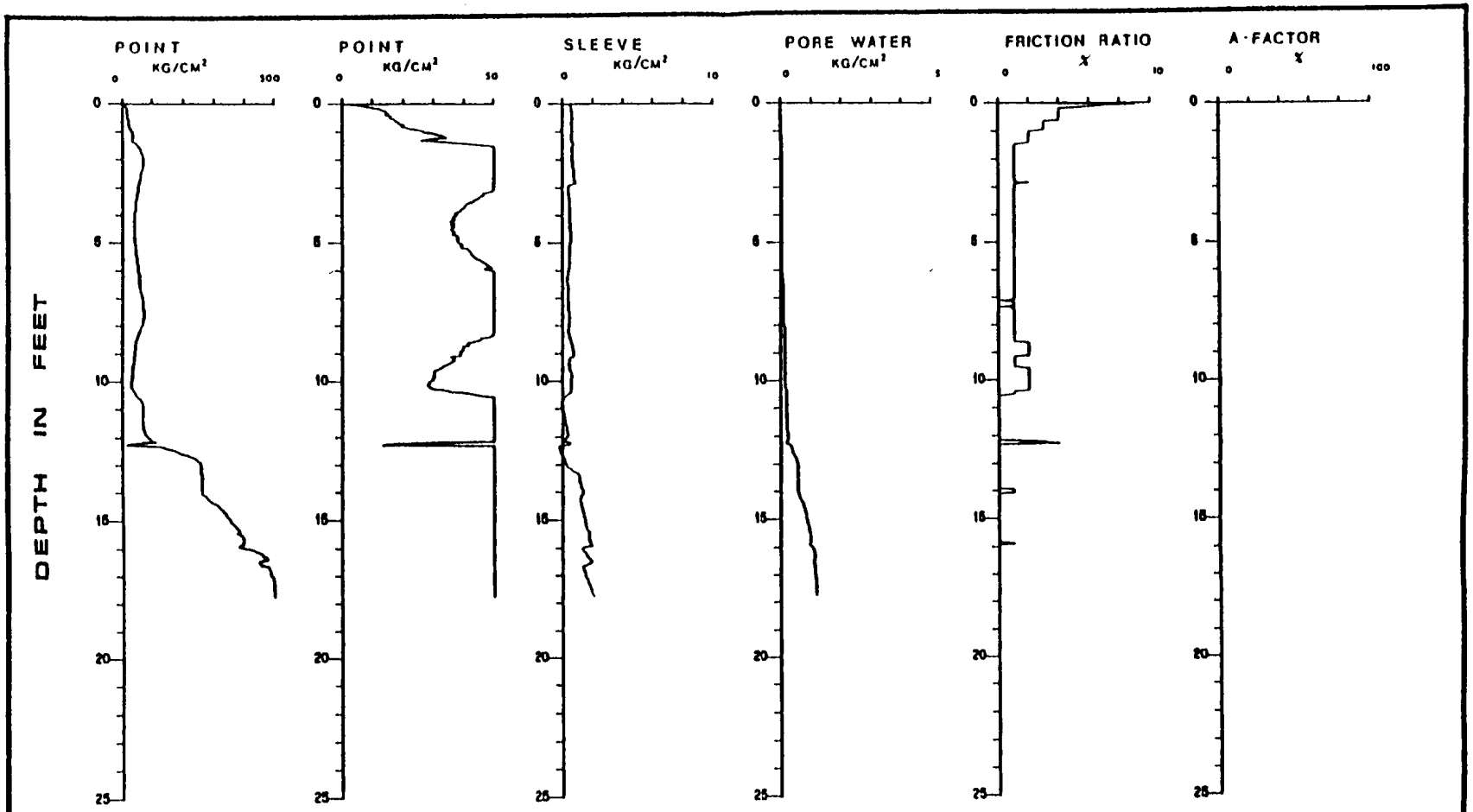

PC-1 LOG

CLIENT: ABB
JOB: OCCL
LOCATION: KINGSBAY

SOUNDING NO.: 11PC106
DATE: 12-03-1992
TIME:

SUBSURFACE TECHNOLOGY INCORPORATED

HOLE: 11PC107 CLIENT: ABB
JOB: 0CCL LOC: 107
GWD: 5 Ft TECHS: SAS

Depth	PP	PT	SL	FR	Soil Type	N	VES	FA	RD	YM	USS	SEN	CM	OCR
1.00	0.00	31.70	-0.01	0.04	Silty Fine Sand	8	0.05	>45	77	70	-----	----	190	---
2.00	-0.02	16.20	0.13	0.81	Clayey Fine Sand	6	0.10	---	---	215	1.1	7.4	81	>10
3.00	-0.02	9.83	0.05	0.51	Clayey Fine Sand	4	0.15	---	---	129	0.6	11.7	49	>10
4.00	-0.00	13.53	0.05	0.34	Clayey Fine Sand	5	0.20	---	---	178	0.9	17.4	68	>10
5.00	0.01	6.91	0.05	0.66	Sensitive Fine Grain	3	0.23	---	---	134	0.7	9.1	48	>10
6.00	-0.01	13.87	0.14	0.98	Clayey Fine Sand	6	0.26	---	---	181	0.9	6.1	69	>10
7.00	0.05	60.17	0.17	0.29	Silty Fine Sand	15	0.29	44	70	132	-----	----	361	---
8.00	0.08	46.87	0.05	0.10	Silty Fine Sand	12	0.32	42	62	103	-----	----	281	---
9.00	-0.01	88.12	-0.06	0.07	Fine Sand	18	0.36	>45	78	194	-----	----	529	---
10.00	0.06	181.34	0.75	0.41	Fine Sand	36	0.39	>45	98	399	-----	----	1089	---
11.00	0.46	365.99	1.12	0.31	Cemented Sand to Har	61	0.42	>45	100+	807	-----	----	2202	---

N - Equivalent SPT Blow Count (bpf)
VES - Vertical Effective Stress (Kg/cm2)
FA - Friction Angle (Degrees)
RD - Relative Density (+ or - 5%)
YM - Youngs Modulus
USS - Undrained Sheer Strength
SEN - Sensitivity
CM - Constrained Modulus
OCR - Estimated Over Consolidation Ratio

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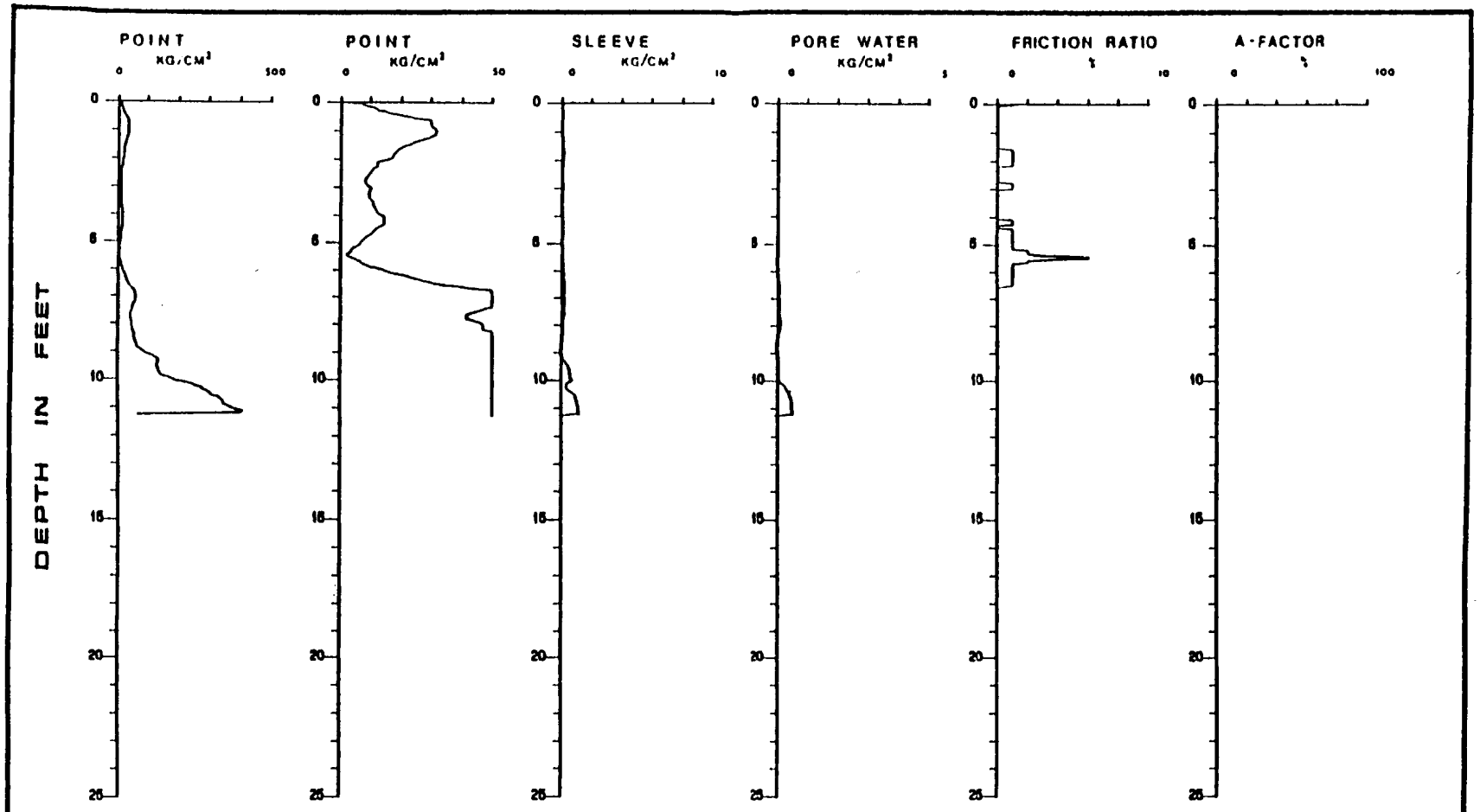


PC-1 LOG

CLIENT: ABB

JOB: OOCL

LOCATION: 907

SOUNDING NO.: 11PC107

DATE: 11-01-1992

TIME:

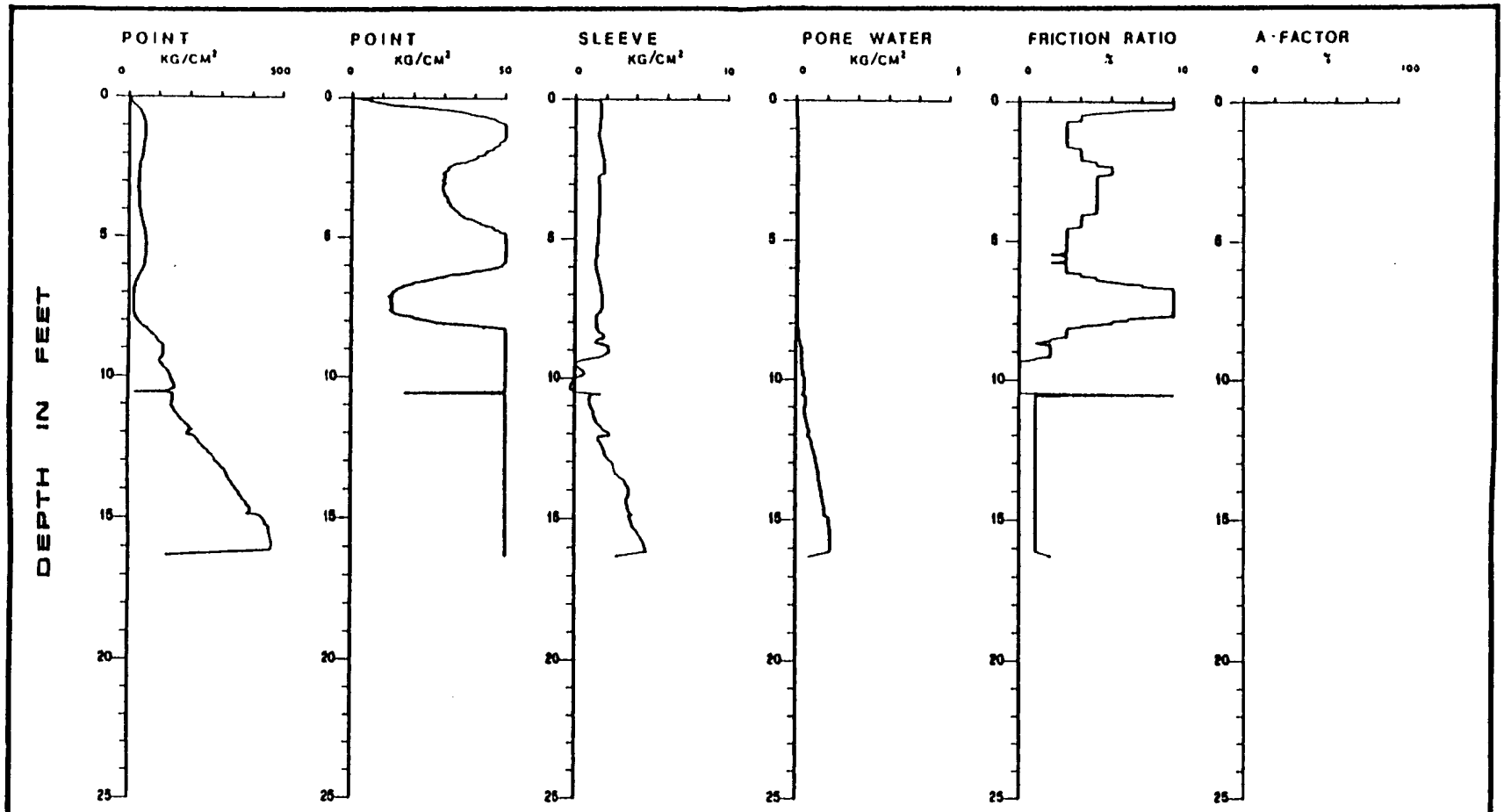
SUBSURFACE TECHNOLOGY INCORPORATED

HOLE: 11PC108 CLIENT: ABB
JOB: 0001 LOC: KINGSBAY
GWD: 5 FT TECHS: GC

Depth	PP	PT	SL	FR	Soil Type	N	VES	FA	RD	YM	USS	SEN	CM	OCR
1.00	0.04	51.46	1.52	2.95	Clayey Fine Sand	21	0.05	---	---	686	3.4	2.0	103	>10
2.00	0.03	42.60	1.75	4.10	Sandy Clay	21	0.09	---	---	567	2.8	1.5	85	>10
3.00	0.03	30.24	1.50	4.97	Clay	30	0.13	---	---	401	2.0	1.2	60	>10
4.00	0.04	33.59	1.53	4.54	Silty Clay	22	0.18	---	---	446	2.2	1.3	67	>10
5.00	0.05	52.48	1.42	2.71	Clayey Fine Sand	21	0.22	---	---	697	3.5	2.2	105	>10
6.00	0.07	48.44	1.33	2.75	Clayey Fine Sand	19	0.26	---	---	642	3.2	2.2	97	>10
7.00	0.03	13.04	1.71	13.09	Clay	13	0.28	---	---	170	0.9	0.5	65	>10
8.00	0.05	25.09	1.41	5.62	Clay	25	0.31	---	---	330	1.7	1.1	50	>10
9.00	0.19	113.73	2.18	1.91	Silty to Clayey F.S.	38	0.34	>45	86	250	-----	----	682	---
10.00	0.26	137.35	0.09	0.06	Fine Sand	27	0.37	>45	90	302	-----	----	824	---
11.00	0.29	139.66	0.98	0.70	Fine Sand	28	0.40	>45	90	307	-----	----	838	---
12.00	0.37	189.90	2.24	1.18	Fine Sand	38	0.44	>45	97	418	-----	----	1139	---
13.00	0.65	283.35	2.37	0.84	Fine Sand	57	0.47	>45	100+	623	-----	----	1700	---
14.00	0.80	347.46	3.55	1.02	Fine Sand	69	0.50	>45	100+	764	-----	----	2085	---
15.00	1.04	431.76	3.61	0.84	Cemented Sand to Har	72	0.54	>45	100+	950	-----	----	2591	---
16.00	1.09	464.06	4.58	0.99	Fine Sand	93	0.57	>45	100+	%1021	-----	----	2784	---
16.30	0.41	124.71	2.73	2.19	Silty to Clayey F.S.	42	0.60	44	81	274	-----	----	748	---

N - Equivalent SPT Blow Count (bpf)
VES - Vertical Effective Stress (Kg/cm2)
FA - Friction Angle (Degrees
RD - Relative Density - or - 5%)
YM - Youngs Modulus
USS - Undrained Sheer Strength
SEN - Sensitivity
CM - Constrained Modulus
OCR - Estimated Over Consolidation Ratio

The above data was computed following basic guidelines by P.K. Robertson and R.G. Campanella in the handbook "Guidelines for Use and Interpretation of the Electronic Cone Penetration Test", September, 1989.



PC-1 LOG

CLIENT: ABB
JOB: OCCL
LOCATION: KINGSBAY

SOUNDING NO.: 11PC108
DATE: 11-01-1992
TIME:

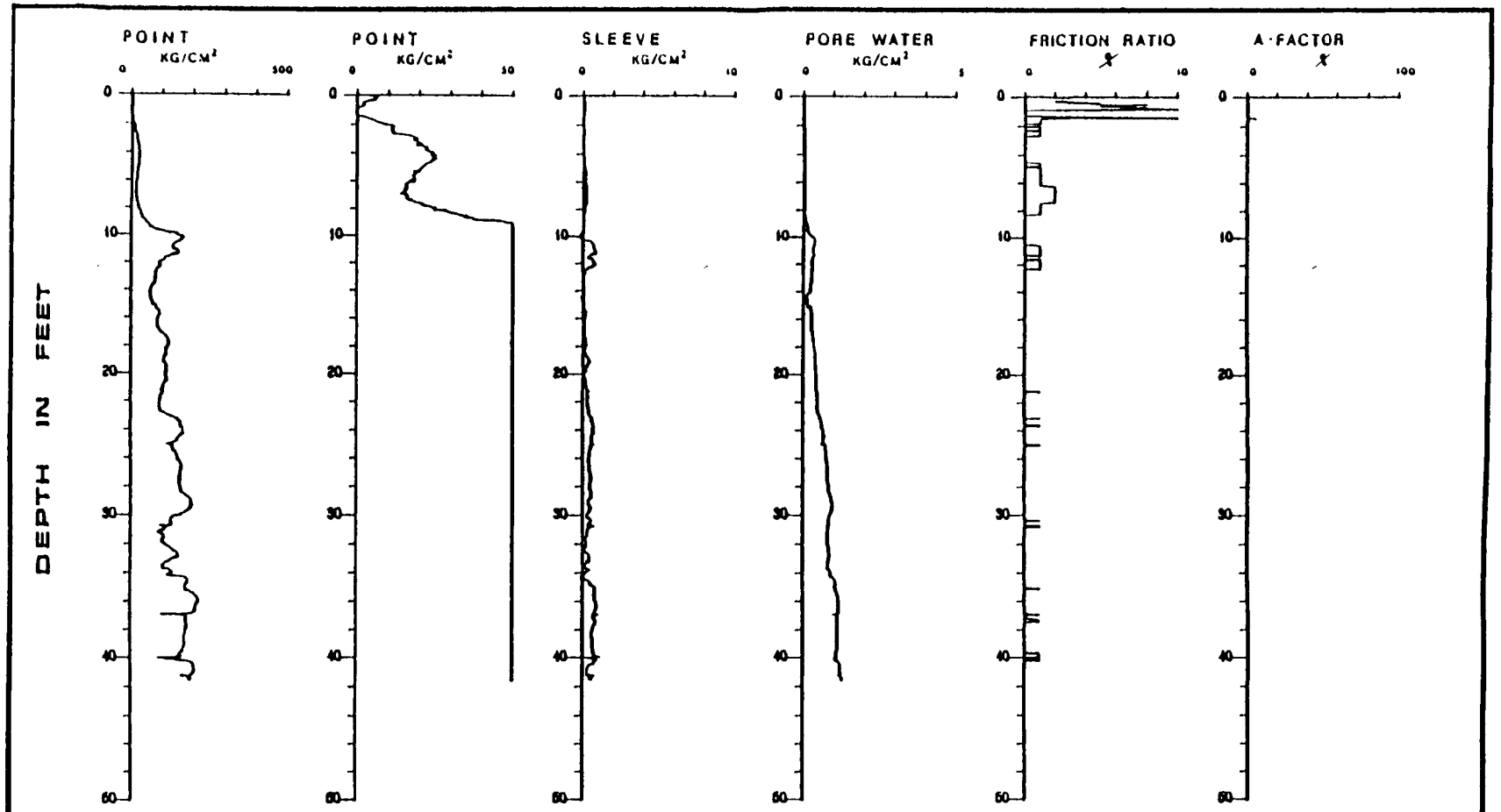
SUBSURFACE TECHNOLOGY INCORPORATED

HOLE: 11PC109 CLIENT: ABB
JOB: OCCL LOC: KINGSBAY
GWD: 5 Ft TECHS: GC

Depth	PP	PT	SL	FR	Soil Type	N	VES	FA	RD	YM	USS	SEN	CM	OCR
1.00	0.01	-0.48	0.08	16.24	Organic Material	0	0.03	---	---	---	-----	----	---	---
2.00	0.02	8.13	-0.03	0.38	Sensitive Fine Grain	4	0.07	---	---	161	0.8	15.9	41	>10
3.00	0.02	19.37	0.06	0.31	Silty to Clayey F.S.	6	0.11	43	51	43	-----	----	116	---
4.00	0.04	24.45	0.05	0.20	Silty to Clayey F.S.	8	0.16	43	53	54	-----	----	147	---
5.00	0.05	20.96	0.16	0.74	Silty to Clayey F.S.	7	0.21	40	44	46	-----	----	126	---
6.00	0.04	17.31	0.19	1.07	Clayey Fine Sand	7	0.24	---	---	228	1.1	5.6	87	>10
7.00	0.04	15.04	0.25	1.66	Clayey Fine Sand	6	0.27	---	---	197	1.0	3.6	75	>10
8.00	0.05	25.32	0.17	0.69	Silty to Clayey F.S.	8	0.30	39	45	56	-----	----	152	---
9.00	0.12	47.90	0.10	0.20	Silty Fine Sand	12	0.34	42	62	105	-----	----	287	---
10.00	0.26	144.88	-0.22	0.15	Fine Sand	29	0.37	>45	92	319	-----	----	869	---
11.00	0.32	134.52	0.82	0.61	Fine Sand	27	0.40	>45	89	296	-----	----	807	---
12.00	0.27	90.76	0.92	1.01	Silty Fine Sand	23	0.43	44	76	200	-----	----	545	---
13.00	0.26	78.04	0.07	0.09	Fine Sand	16	0.47	43	71	172	-----	----	468	---
14.00	0.23	61.93	0.15	0.24	Silty Fine Sand	15	0.50	42	63	136	-----	----	372	---
15.00	0.14	71.77	0.12	0.17	Silty Fine Sand	18	0.53	42	67	158	-----	----	431	---
16.00	0.27	88.18	0.19	0.22	Fine Sand	18	0.56	43	72	194	-----	----	529	---
17.00	0.30	96.66	0.14	0.14	Fine Sand	19	0.59	43	73	213	-----	----	580	---
18.00	0.35	121.71	0.25	0.20	Fine Sand	24	0.63	44	79	268	-----	----	730	---
19.00	0.41	104.39	0.52	0.49	Fine Sand	21	0.66	43	74	230	-----	----	626	---
20.00	0.44	112.49	0.13	0.11	Fine Sand	22	0.69	43	76	247	-----	----	675	---
21.00	0.45	102.66	0.26	0.26	Fine Sand	21	0.73	42	72	226	-----	----	616	---
22.00	0.48	91.61	0.37	0.41	Fine Sand	18	0.76	41	68	202	-----	----	550	---
23.00	0.57	119.85	0.55	0.45	Fine Sand	24	0.79	43	76	264	-----	----	719	---
24.00	0.67	168.04	0.72	0.43	Fine Sand	34	0.83	44	85	370	-----	----	1008	---
25.00	0.64	129.12	0.71	0.55	Fine Sand	26	0.86	43	76	284	-----	----	775	---
26.00	0.79	149.52	0.50	0.33	Fine Sand	30	0.89	43	80	329	-----	----	897	---
27.00	0.82	158.55	0.58	0.37	Fine Sand	32	0.93	43	81	349	-----	----	951	---
28.00	0.87	157.70	0.49	0.31	Fine Sand	32	0.96	43	81	347	-----	----	946	---
29.00	0.96	193.36	0.40	0.21	Fine Sand	39	0.99	44	86	425	-----	----	1160	---
30.00	0.90	157.11	0.31	0.20	Fine Sand	31	1.03	43	80	346	-----	----	943	---
31.00	0.84	107.06	0.35	0.33	Fine Sand	21	1.06	41	68	236	-----	----	642	---
32.00	0.83	108.64	0.30	0.28	Fine Sand	22	1.09	40	68	239	-----	----	652	---
33.00	0.87	139.01	0.42	0.30	Fine Sand	26	1.13	42	75	306	-----	----	834	---
34.00	0.94	134.46	0.30	0.22	Fine Sand	27	1.16	41	73	296	-----	----	807	---
35.00	1.05	173.99	0.85	0.49	Fine Sand	35	1.19	42	80	383	-----	----	1044	---
36.00	1.18	219.14	0.88	0.40	Fine Sand	44	1.22	43	87	482	-----	----	1315	---
37.00	1.12	165.76	0.97	0.59	Fine Sand	33	1.26	42	78	365	-----	----	995	---
38.00	1.14	179.28	0.73	0.41	Fine Sand	36	1.29	42	80	394	-----	----	1076	---
39.00	1.14	175.90	0.72	0.41	Fine Sand	35	1.32	42	79	387	-----	----	1055	---
40.00	1.12	157.61	1.19	0.76	Fine Sand	32	1.36	41	76	347	-----	----	947	---
41.00	1.23	204.95	0.30	0.15	Cemented Sand to Har	34	1.39	42	83	451	-----	----	1230	---

N - Equivalent SPT Blow Count (bpf)
VES - Vertical Effective Stress (Kg/cm2)
FA - Friction Angle (Degress)
RD - Relative Density (+ or - 5%)
YM - Youngs Modulus
USS - Undrained Sheer Strength
SEN - Sensitivity
CM - Constrained Modulus
OCR - Estimated Over Consolidation Ratio

The above data was computed following basic guidelines by P.K. Robertson and R.G. Campanella in the handbook 'Guidelines for Use and Interpretation of the Electronic Cone Penetration Test', September, 1989.



PC-1 LOG

CLIENT: ABB
JOB: GCCL
LOCATION: KINGSBAY

SOUNDING NO.: 11PC109
DATE: 11-02-1992
TIME:

SUBSURFACE TECHNOLOGY INCORPORATED

PIEZOCONE SOUNDING LOG

HOLE: 11PC110 CLIENT: ABB
JOB: OCCL LOC: PC110
GWD: 5 Ft TECHS: SS

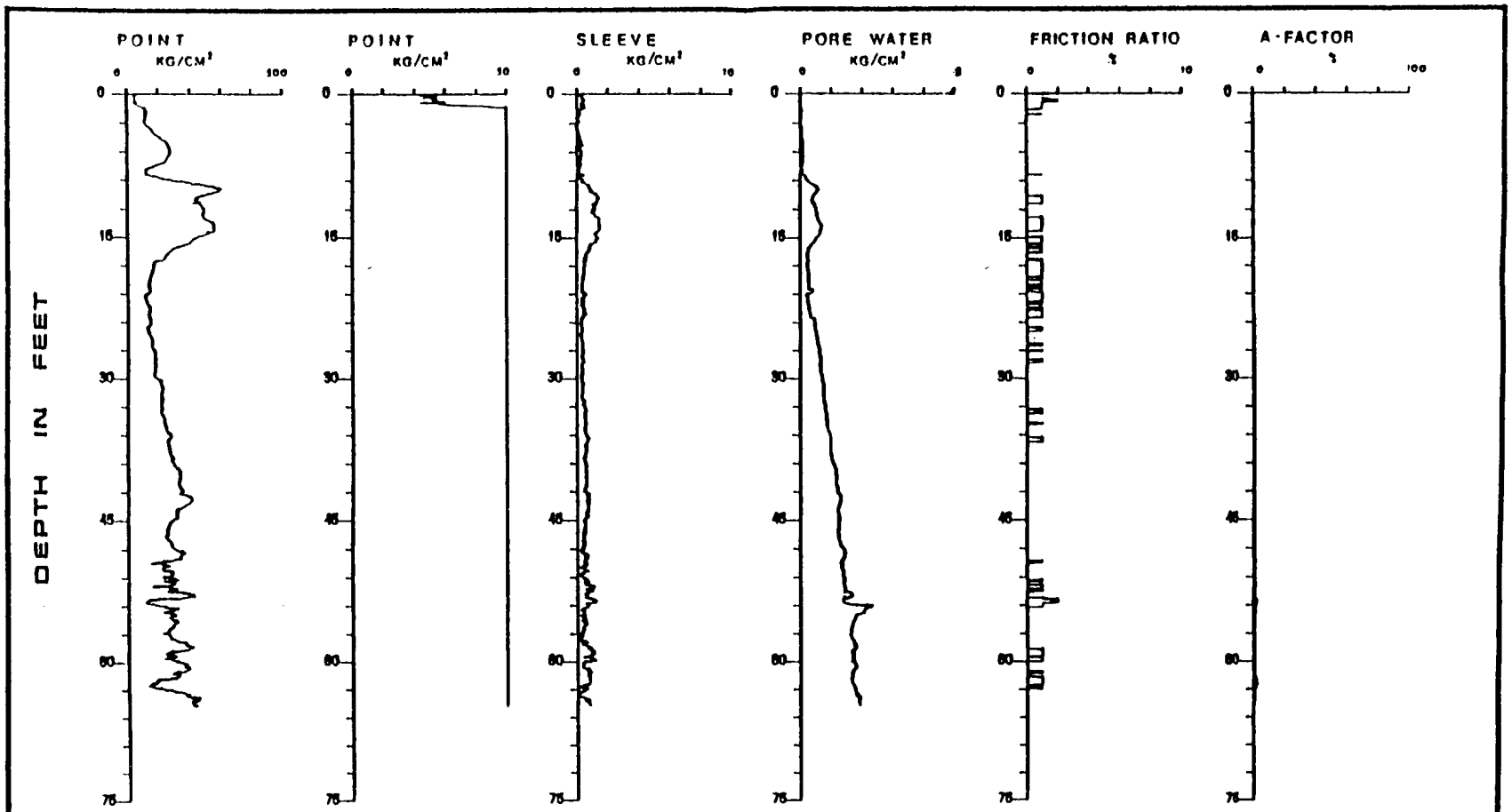
Depth	PP	PT	SL	FR	Soil Type	N	VES	FA	RD	YM	USS	SEN	CM	OCR
1.00	0.00	25.44	0.29	1.15	Clayey Fine Sand	10	0.05	---	---	339	1.7	5.2	51	>10
2.00	0.03	60.86	0.08	0.13	Silty Fine Sand	15	0.10	>45	86	134	-----	----	365	---
3.00	0.02	55.83	0.10	0.18	Silty Fine Sand	14	0.15	>45	78	123	-----	----	335	---
4.00	0.04	84.17	0.07	0.08	Fine Sand	17	0.20	>45	85	185	-----	----	505	---
5.00	0.07	123.74	0.26	0.21	Fine Sand	25	0.25	>45	93	272	-----	----	742	---
6.00	0.10	138.53	0.28	0.20	Fine Sand	28	0.29	>45	94	305	-----	----	831	---
7.00	0.09	122.97	0.21	0.17	Fine Sand	25	0.32	>45	89	271	-----	----	738	---
8.00	0.04	59.95	0.09	0.14	Silty Fine Sand	15	0.35	43	67	132	-----	----	360	---
9.00	0.23	146.56	0.27	0.18	Fine Sand	29	0.38	>45	92	322	-----	----	879	---
10.00	0.57	300.38	0.92	0.31	Cemented Sand to Har	50	0.42	>45	100+	661	-----	----	1802	---
11.00	0.37	219.04	1.27	0.58	Fine Sand	44	0.45	>45	100+	482	-----	----	1314	---
12.00	0.50	250.55	1.01	0.40	Cemented Sand to Har	42	0.49	>45	100+	551	-----	----	1503	---
13.00	0.56	250.63	1.47	0.59	Fine Sand	50	0.52	>45	100+	551	-----	----	1504	---
14.00	0.67	278.35	1.50	0.54	Cemented Sand to Har	46	0.56	>45	100+	612	-----	----	1670	---
15.00	0.51	226.44	1.28	0.56	Fine Sand	45	0.59	>45	98	498	-----	----	1359	---
16.00	0.31	172.14	0.84	0.49	Fine Sand	34	0.63	>45	89	379	-----	----	1033	---
17.00	0.23	121.97	0.60	0.49	Fine Sand	24	0.66	44	79	268	-----	----	732	---
18.00	0.24	85.41	0.49	0.57	Silty Fine Sand	21	0.69	42	68	188	-----	----	512	---
19.00	0.26	77.77	0.45	0.58	Silty Fine Sand	19	0.72	41	64	171	-----	----	467	---
20.00	0.26	67.94	0.36	0.53	Silty Fine Sand	17	0.75	40	60	149	-----	----	408	---
21.00	0.19	63.39	0.66	1.05	Silty Fine Sand	16	0.78	39	57	139	-----	----	380	---
22.00	0.25	60.71	0.39	0.65	Silty Fine Sand	15	0.81	39	56	134	-----	----	364	---
23.00	0.30	71.09	0.46	0.66	Silty Fine Sand	18	0.84	40	60	156	-----	----	427	---
24.00	0.45	72.18	0.28	0.39	Silty Fine Sand	18	0.88	39	60	159	-----	----	433	---
25.00	0.49	65.93	0.32	0.49	Silty Fine Sand	16	0.91	39	56	145	-----	----	396	---
26.00	0.55	76.87	0.32	0.42	Silty Fine Sand	19	0.94	39	60	169	-----	----	461	---
27.00	0.60	84.69	0.45	0.53	Silty Fine Sand	21	0.97	40	63	186	-----	----	508	---
28.00	0.62	89.46	0.45	0.50	Silty Fine Sand	22	1.00	40	64	197	-----	----	537	---
29.00	0.64	84.53	0.35	0.41	Silty Fine Sand	21	1.03	39	62	186	-----	----	507	---
30.00	0.69	93.24	0.31	0.33	Fine Sand	19	1.06	40	64	205	-----	----	559	---
31.00	0.73	110.06	0.36	0.33	Fine Sand	22	1.10	41	68	242	-----	----	660	---
32.00	0.74	109.14	0.26	0.24	Fine Sand	22	1.13	40	68	240	-----	----	655	---
33.00	0.78	109.21	0.44	0.40	Fine Sand	22	1.16	40	67	240	-----	----	655	---
34.00	0.81	109.37	0.53	0.49	Fine Sand	22	1.20	40	67	241	-----	----	656	---
35.00	0.84	118.21	0.48	0.40	Fine Sand	24	1.23	40	69	260	-----	----	709	---
36.00	0.95	138.71	0.53	0.38	Fine Sand	28	1.26	41	73	305	-----	----	832	---
37.00	0.94	130.24	0.51	0.39	Fine Sand	26	1.30	41	71	287	-----	----	781	---
38.00	0.97	133.15	0.56	0.42	Fine Sand	27	1.33	41	71	293	-----	----	799	---
39.00	1.06	146.34	0.45	0.31	Fine Sand	29	1.36	41	73	322	-----	----	878	---
40.00	1.14	165.32	0.61	0.37	Fine Sand	33	1.39	41	77	364	-----	----	992	---
41.00	1.15	160.30	0.67	0.41	Fine Sand	32	1.43	41	75	353	-----	----	962	---
42.00	1.20	171.92	0.39	0.23	Fine Sand	34	1.46	41	77	378	-----	----	1032	---
43.00	1.32	204.31	0.69	0.33	Fine Sand	41	1.49	42	82	455	-----	----	1241	---

HOLE: 11PC110 CLIENT: ABB
JOB: CCCL LOC: PC110
GWD: 5 Ft TECHS: SS

Depth	PP	PT	SL	FR	Soil Type	N	VES	FA	RD	YM	USS	SEN	CM	OCR
44.00	1.19	156.20	0.75	0.48	Fine Sand	31	1.53	41	74	344	-----	----	937	---
45.00	1.25	139.67	0.39	0.28	Fine Sand	28	1.56	40	70	307	-----	----	838	---
46.00	1.20	123.51	0.36	0.29	Fine Sand	25	1.59	39	66	272	-----	----	741	---
47.00	1.23	125.36	0.48	0.38	Fine Sand	25	1.63	39	67	276	-----	----	752	---
48.00	1.37	153.98	0.35	0.23	Fine Sand	31	1.66	40	72	339	-----	----	924	---
49.00	1.42	162.89	0.46	0.28	Fine Sand	33	1.69	40	73	358	-----	----	977	---
50.00	1.30	103.10	0.28	0.27	Fine Sand	21	1.73	38	60	227	-----	----	619	---
51.00	1.40	131.08	0.31	0.24	Fine Sand	26	1.76	39	67	288	-----	----	787	---
52.00	1.43	104.40	1.00	0.96	Silty Fine Sand	26	1.79	37	60	230	-----	----	626	---
53.00	1.66	205.92	0.55	0.27	Fine Sand	41	1.82	41	79	453	-----	----	1236	---
54.00	2.24	106.68	0.63	0.59	Fine Sand	21	1.86	37	60	235	-----	----	640	---
55.00	1.84	143.27	0.25	0.18	Fine Sand	29	1.89	39	68	315	-----	----	860	---
56.00	1.68	145.28	0.56	0.39	Fine Sand	29	1.92	39	69	320	-----	----	872	---
57.00	1.58	124.95	0.30	0.24	Fine Sand	25	1.96	38	64	275	-----	----	750	---
58.00	1.74	184.92	0.46	0.25	Fine Sand	37	1.99	40	75	407	-----	----	1110	---
59.00	1.63	124.95	0.92	0.74	Fine Sand	25	2.02	38	63	275	-----	----	750	---
60.00	1.65	162.52	0.56	0.34	Fine Sand	33	2.06	39	71	355	-----	----	973	---
61.00	1.70	161.75	0.54	0.33	Fine Sand	32	2.09	39	70	356	-----	----	970	---
62.00	1.60	94.06	0.85	0.90	Silty Fine Sand	24	2.12	36	55	208	-----	----	566	---
63.00	1.75	130.75	0.55	0.42	Fine Sand	26	2.15	38	64	288	-----	----	784	---
64.00	1.93	226.96	0.59	0.26	Cemented Sand to Har	36	2.19	41	79	499	-----	----	1362	---

N - Equivalent SPT Blow Count (bpf)
VES - vertical Effective Stress (Kg/cm2)
FA - Friction Angle (Degrees)
RD - Relative Density (+ or - 5%)
YM - Youngs Modulus
USS - Undrained Sheer Strength
SEN - Sensitivity
CM - Constrained Modulus
OCR - Estimated Over Consolidation Ratio

The above data was computed following basic guidelines by P.K. Robertson and R.G. Campanella in the handbook 'Guidelines for Use and Interpretation of the Electronic Cone Penetration Test', September, 1989.



PC-1 LOG

CLIENT: ABB
JOB: OCCL
LOCATION: KINGSBAY

SOUNDING NO.: 11PC110
DATE: 11-02-1992
TIME:

SUBSURFACE TECHNOLOGY INCORPORATED

PIEZOCONE SOUNDING LOG

HOLE: 11PC111 CLIENT: ABB
JOB: OCCL LOC: KINGSBAY
GWD: 5 Ft TECHS: GC

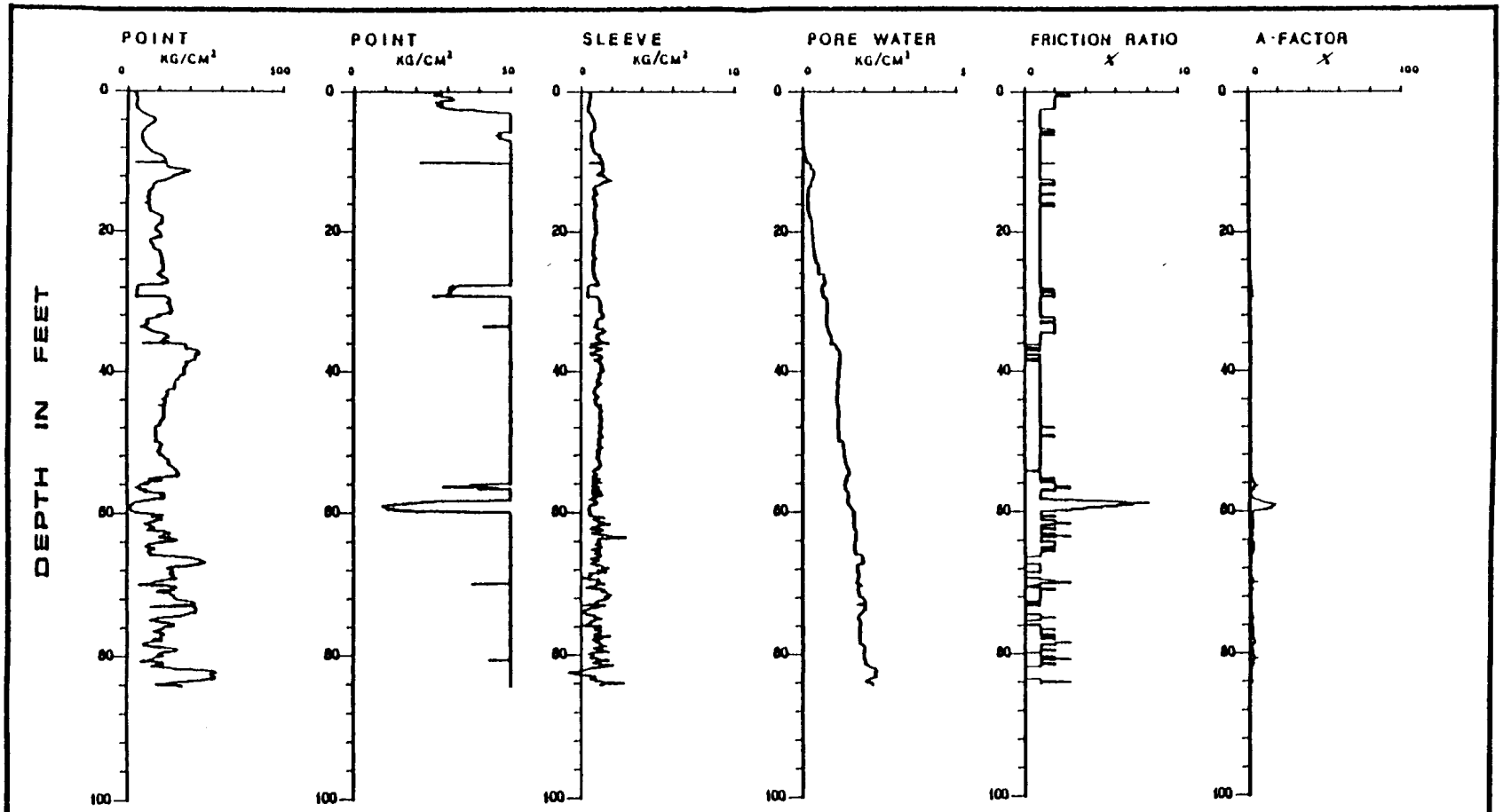
Depth	PP	PT	SL	FR	Soil Type	N	VES	FA	RD	YM	USS	SEN	CM	OCR
1.00	-0.03	32.04	0.58	1.80	Clayey Fine Sand	13	0.05	---	---	427	2.1	3.3	64	>10
2.00	-0.04	28.02	0.47	1.68	Clayey Fine Sand	11	0.10	---	---	372	1.9	3.6	56	>10
3.00	-0.03	49.10	0.60	1.21	Silty to Clayey F.S.	16	0.15	>45	74	108	-----	----	295	---
4.00	0.02	89.64	0.80	0.90	Silty Fine Sand	22	0.20	>45	87	197	-----	----	538	---
5.00	-0.01	59.43	0.87	1.47	Silty to Clayey F.S.	20	0.24	45	72	131	-----	----	357	---
6.00	-0.01	46.92	0.65	1.39	Silty to Clayey F.S.	16	0.27	43	64	103	-----	----	282	---
7.00	0.00	50.08	0.68	1.36	Silty to Clayey F.S.	17	0.31	43	64	110	-----	----	300	---
8.00	0.03	65.44	0.82	1.25	Silty to Clayey F.S.	22	0.34	44	70	144	-----	----	393	---
9.00	0.10	105.20	1.23	1.17	Silty Fine Sand	26	0.37	>45	83	231	-----	----	631	---
10.00	0.13	122.04	1.37	1.12	Silty Fine Sand	31	0.40	>45	86	268	-----	----	732	---
11.00	0.35	168.33	1.57	0.93	Fine Sand	34	0.43	>45	94	370	-----	----	1010	---
12.00	0.37	144.49	1.52	1.05	Silty Fine Sand	36	0.46	>45	89	318	-----	----	867	---
13.00	0.27	88.97	1.27	1.43	Silty Fine Sand	22	0.49	44	74	196	-----	----	534	---
14.00	0.20	76.54	0.93	1.21	Silty Fine Sand	19	0.52	42	69	168	-----	----	459	---
15.00	0.12	64.59	0.77	1.19	Silty to Clayey F.S.	22	0.55	41	63	142	-----	----	388	---
16.00	0.18	54.57	0.98	1.79	Silty to Clayey F.S.	18	0.59	40	57	120	-----	----	327	---
17.00	0.20	72.36	0.89	1.24	Silty Fine Sand	18	0.62	41	65	159	-----	----	434	---
18.00	0.26	110.65	0.91	0.82	Silty Fine Sand	28	0.65	43	76	243	-----	----	664	---
19.00	0.32	102.54	0.97	0.95	Silty Fine Sand	26	0.68	43	73	226	-----	----	615	---
20.00	0.32	95.07	1.14	1.19	Silty Fine Sand	24	0.71	42	70	209	-----	----	570	---
21.00	0.33	85.50	0.88	1.03	Silty Fine Sand	21	0.74	41	67	188	-----	----	513	---
22.00	0.38	82.54	0.85	1.03	Silty Fine Sand	21	0.77	41	65	182	-----	----	495	---
23.00	0.42	102.15	0.71	0.69	Silty Fine Sand	26	0.80	42	71	225	-----	----	613	---
24.00	0.45	109.04	0.89	0.82	Silty Fine Sand	27	0.83	42	72	240	-----	----	654	---
25.00	0.55	113.81	0.78	0.69	Fine Sand	23	0.86	42	73	250	-----	----	683	---
26.00	0.54	95.55	0.91	0.95	Silty Fine Sand	24	0.90	41	67	210	-----	----	573	---
27.00	0.75	126.29	1.08	0.86	Fine Sand	25	0.93	42	75	278	-----	----	758	---
28.00	0.65	30.55	0.45	1.47	Clayey Fine Sand	12	0.96	---	---	395	2.0	4.1	61	>10
29.00	0.66	29.00	0.46	1.59	Clayey Fine Sand	12	0.99	---	---	373	1.9	3.8	58	>10
30.00	0.81	134.57	1.19	0.88	Fine Sand	27	1.02	42	75	296	-----	----	807	---
31.00	0.83	138.58	1.22	0.88	Fine Sand	28	1.06	42	76	305	-----	----	831	---
32.00	0.78	99.85	1.49	1.49	Silty Fine Sand	25	1.09	40	66	220	-----	----	599	---
33.00	0.80	66.89	0.94	1.40	Silty to Clayey F.S.	22	1.12	38	54	147	-----	----	401	---
34.00	0.85	71.03	1.43	2.02	Silty to Clayey F.S.	24	1.15	38	55	156	-----	----	426	---
35.00	0.96	130.63	1.02	0.78	Fine Sand	26	1.18	41	72	287	-----	----	784	---
36.00	1.03	145.96	1.82	1.25	Silty Fine Sand	36	1.21	41	75	321	-----	----	876	---
37.00	1.20	221.44	1.21	0.55	Fine Sand	44	1.25	43	87	487	-----	----	1329	---
38.00	1.23	220.31	1.49	0.68	Fine Sand	44	1.28	43	86	485	-----	----	1322	---
39.00	1.21	189.05	1.28	0.67	Fine Sand	38	1.31	42	81	416	-----	----	1134	---
40.00	1.20	185.36	1.39	0.75	Fine Sand	37	1.35	42	80	408	-----	----	1112	---
41.00	1.16	162.54	1.19	0.73	Fine Sand	33	1.38	41	76	358	-----	----	975	---
42.00	1.16	152.33	1.16	0.76	Fine Sand	30	1.41	41	74	335	-----	----	914	---
43.00	1.13	128.45	0.82	0.64	Fine Sand	26	1.45	40	69	283	-----	----	771	---
44.00	1.11	112.39	0.86	0.76	Fine Sand	22	1.48	39	65	247	-----	----	674	---

HOLE: 11PC111 CLIENT: ABB
JOB: CCCL LOC: KINGSBAY
GWD: 5 Ft TECHS: GC

Depth	PP	PT	SL	FR	Soil Type	N	VES	FA	RD	YM	USS	SEN	CM	OCR
45.00	1.17	114.76	1.11	0.97	Silty Fine Sand	29	1.51	39	65	252	-----	----	689	---
46.00	1.17	116.56	1.24	1.06	Silty Fine Sand	29	1.54	39	65	256	-----	----	699	---
47.00	1.16	107.90	1.33	1.24	Silty Fine Sand	27	1.57	38	63	237	-----	----	647	---
48.00	1.17	85.66	1.49	1.74	Silty to Clayey F.S.	29	1.60	37	56	188	-----	----	514	---
49.00	1.17	88.04	1.25	1.41	Silty Fine Sand	22	1.63	37	56	194	-----	----	528	---
50.00	1.17	84.99	1.23	1.44	Silty to Clayey F.S.	28	1.66	37	55	187	-----	----	510	---
51.00	1.35	105.22	1.30	1.24	Silty Fine Sand	26	1.69	38	61	231	-----	----	631	---
52.00	1.37	113.19	1.13	1.00	Silty Fine Sand	28	1.72	38	63	249	-----	----	679	---
53.00	1.41	131.44	1.24	0.95	Fine Sand	26	1.76	39	67	289	-----	----	789	---
54.00	1.49	158.71	1.14	0.72	Fine Sand	32	1.79	40	72	349	-----	----	952	---
55.00	1.45	124.76	0.95	0.76	Fine Sand	25	1.82	38	65	274	-----	----	749	---
56.00	1.38	60.22	0.82	1.36	Silty to Clayey F.S.	20	1.85	34	44	132	-----	----	361	---
57.00	1.43	57.73	0.74	1.29	Silty to Clayey F.S.	19	1.89	34	42	127	-----	----	346	---
58.00	1.50	105.12	0.88	0.84	Silty Fine Sand	26	1.92	37	59	231	-----	----	631	---
59.00	1.52	10.91	0.78	7.17	Clay	11	1.94	---	---	120	0.6	0.8	55	1
60.00	1.70	49.93	0.66	1.31	Silty to Clayey F.S.	17	1.97	32	37	110	-----	----	300	---
61.00	1.67	94.20	0.83	0.88	Silty Fine Sand	24	2.00	36	55	207	-----	----	565	---
62.00	1.68	80.52	1.04	1.29	Silty Fine Sand	20	2.03	35	51	177	-----	----	483	---
63.00	1.75	117.87	0.76	0.65	Fine Sand	24	2.07	37	61	259	-----	----	707	---
64.00	1.72	129.45	1.08	0.84	Fine Sand	26	2.10	38	64	285	-----	----	777	---
65.00	1.72	87.25	1.14	1.31	Silty Fine Sand	22	2.13	35	52	192	-----	----	524	---
66.00	1.86	140.64	1.16	0.83	Fine Sand	28	2.16	38	66	309	-----	----	844	---
67.00	1.99	237.94	0.94	0.39	Cemented Sand to Har	40	2.20	41	81	523	-----	----	1428	---
68.00	1.78	138.14	1.63	1.18	Silty Fine Sand	35	2.23	38	65	304	-----	----	829	---
69.00	1.86	151.19	0.56	0.37	Fine Sand	30	2.26	38	67	333	-----	----	907	---
70.00	1.74	40.09	1.22	3.04	Clayey Fine Sand	16	2.30	---	---	504	2.5	2.0	80	4
71.00	1.80	98.62	1.55	1.58	Silty to Clayey F.S.	33	2.33	36	55	217	-----	----	592	---
72.00	1.92	152.33	1.83	1.20	Silty Fine Sand	38	2.36	38	67	335	-----	----	914	---
73.00	1.77	72.18	0.06	0.08	Silty Fine Sand	18	2.39	33	45	159	-----	----	433	---
74.00	1.96	199.14	0.15	0.08	Cemented Sand to Har	33	2.42	39	74	438	-----	----	1195	---
75.00	1.81	73.90	1.25	1.69	Silty to Clayey F.S.	25	2.45	33	45	163	-----	----	443	---
76.00	1.87	114.68	0.96	0.83	Silty Fine Sand	29	2.49	36	58	252	-----	----	688	---
77.00	1.88	117.03	1.16	0.99	Silty Fine Sand	29	2.52	36	58	257	-----	----	702	---
78.00	1.85	75.80	0.87	1.14	Silty Fine Sand	19	2.55	33	46	167	-----	----	455	---
79.00	2.06	158.72	1.13	0.71	Fine Sand	32	2.58	38	67	349	-----	----	952	---
80.00	2.00	112.39	0.76	0.68	Fine Sand	22	2.61	36	57	247	-----	----	674	---
81.00	2.07	117.27	1.18	1.01	Silty Fine Sand	29	2.64	36	58	258	-----	----	704	---
82.00	2.34	237.36	0.48	0.20	Cemented Sand to Har	40	2.68	40	78	522	-----	----	1424	---
83.00	2.42	279.93	0.40	0.14	Cemented Sand to Har	47	2.72	41	82	616	-----	----	1680	---
84.00	2.15	92.77	2.77	2.98	Clayey Fine Sand	37	2.75	---	---	>1200	6.0	2.0	186	>10

N - Equivalent SPT Blow Count (bpf)
VES - Vertical Effective Stress (Kg/cm2)
FA - Friction Angle (Degress)
RD - Relative Density (+ or - 5%)
YM - Youngs Modulus
USS - Undrained Sheer Strength
SEN - Sensitivity
CM - Constrained Modulus
OCR - Estimated Over Consolidation Ratio

The above data was computed following basic guidelines by P.K. Robertson and R.G. Campanella in the handbook 'Guidelines for Use and Interpretation of the Electronic Cone Penetration Test', September, 1989.



PC-1 LOG

CLIENT: ABB
JOB: OCCL
LOCATION: KINGSBAY

SOUNDING NO.: 11PC111
DATE: 11-02-1992
TIME:

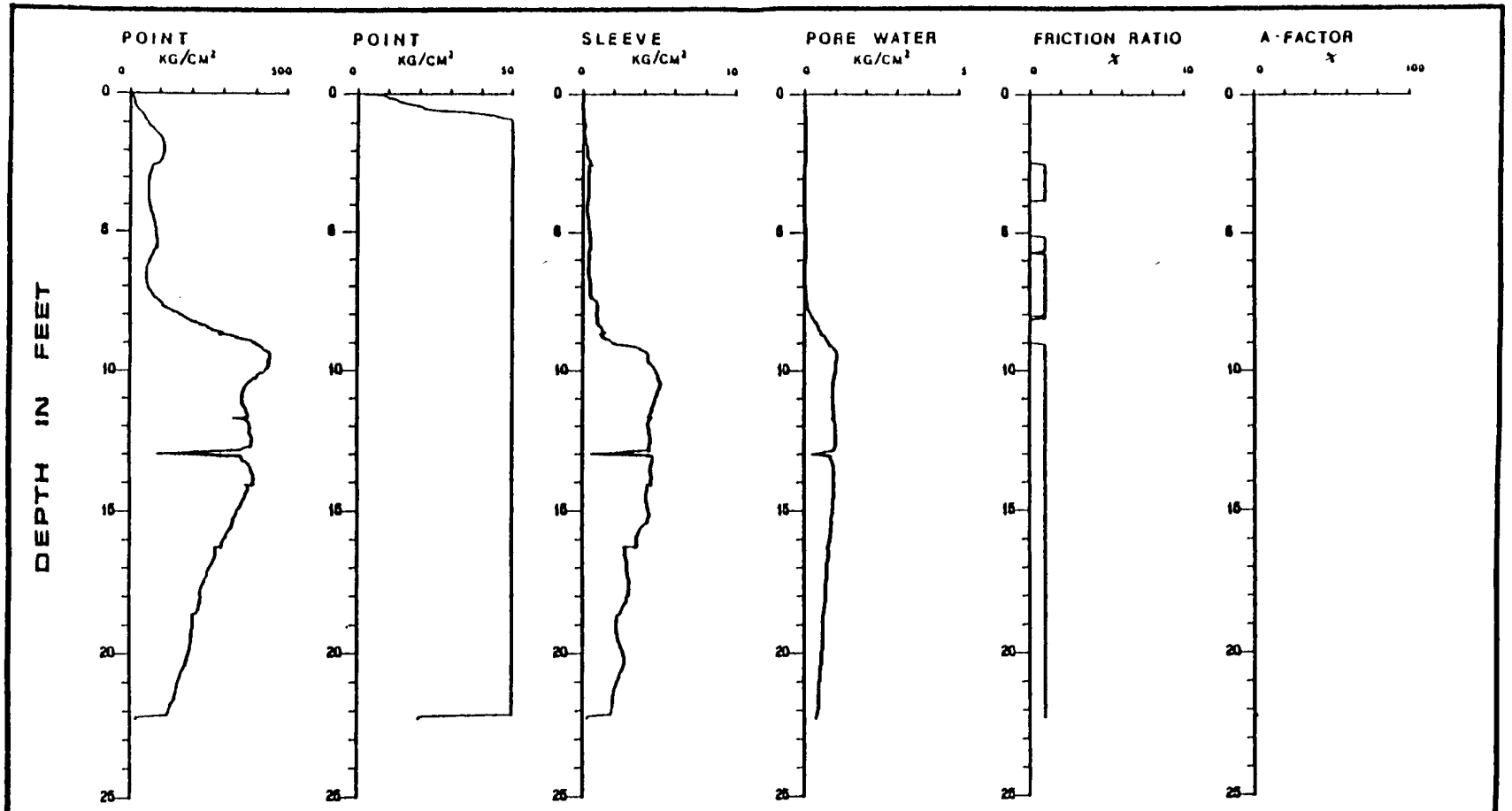
SUBSURFACE TECHNOLOGY INCORPORATED

HOLE: 11PC112 CLIENT: ABB
JOB: OCCL LOC: KINGSBAY
GWD: 5 Ft TECHS: gc

Depth	PP	PT	SL	FR	Soil Type	N	VES	FA	RD	YM	USS	SEN	CM	OCR
1.00	0.03	57.04	0.16	0.27	Silty Fine Sand	14	0.05	>45	94	125	-----	----	342	---
2.00	0.04	113.24	0.33	0.29	Fine Sand	23	0.10	>45	100+	249	-----	----	679	---
3.00	-0.01	62.69	0.37	0.59	Silty Fine Sand	16	0.15	>45	81	138	-----	----	376	---
4.00	0.00	64.09	0.29	0.45	Silty Fine Sand	16	0.20	>45	77	141	-----	----	385	---
5.00	0.03	86.84	0.41	0.47	Silty Fine Sand	22	0.25	>45	83	191	-----	----	521	---
6.00	0.03	67.11	0.39	0.59	Silty Fine Sand	17	0.28	45	74	148	-----	----	403	---
7.00	0.03	59.24	0.47	0.79	Silty Fine Sand	15	0.31	44	69	130	-----	----	355	---
8.00	0.22	164.27	0.85	0.52	Fine Sand	33	0.34	>45	97	361	-----	----	986	---
9.00	0.79	397.09	1.93	0.49	Cemented Sand to Har	66	0.38	>45	100+	874	-----	----	2363	---
10.00	0.99	431.00	4.69	1.09	Fine Sand	86	0.41	>45	100+	948	-----	----	2586	---
11.00	0.90	359.52	4.66	1.30	Fine Sand	72	0.45	>45	100+	791	-----	----	2157	---
12.00	1.00	383.70	4.19	1.09	Fine Sand	77	0.48	>45	100+	844	-----	----	2302	---
13.00	0.24	89.80	0.54	0.60	Silty Fine Sand	22	0.51	43	74	198	-----	----	539	---
14.00	0.96	392.19	4.39	1.12	Fine Sand	78	0.54	>45	100+	863	-----	----	2353	---
14.00	0.97	381.20	4.13	1.09	Fine Sand	76	0.58	>45	100+	839	-----	----	2287	---
15.00	0.69	341.92	4.28	1.25	Fine Sand	68	0.61	>45	100+	752	-----	----	2052	---
16.00	0.81	301.23	3.46	1.15	Fine Sand	60	0.64	>45	100+	663	-----	----	1807	---
16.00	0.76	276.02	2.67	0.97	Fine Sand	55	0.68	>45	100+	607	-----	----	1656	---
17.00	0.73	258.53	2.65	1.10	Fine Sand	52	0.71	>45	99	569	-----	----	1551	---
18.00	0.67	229.15	2.89	1.26	Fine Sand	46	0.74	>45	95	504	-----	----	1375	---
19.00	0.59	204.26	2.21	1.08	Fine Sand	41	0.78	>45	91	449	-----	----	1226	---
20.00	0.56	190.42	2.60	1.37	Silty Fine Sand	48	0.81	45	89	419	-----	----	1143	---
21.00	0.46	156.91	2.21	1.41	Silty Fine Sand	39	0.84	44	82	345	-----	----	941	---
22.00	0.43	128.04	1.85	1.44	Silty Fine Sand	32	0.87	43	76	282	-----	----	768	---

N - Equivalent SPT Blow Count (bpf)
VES - Vertical Effective Stress (Kg/cm2)
FA - Friction Angle (Degress)
RD - Relative Density (+ or - 5%)
YM - Youngs Modulus
USS - Undrained Shear Strength
SEN - Sensitivity
CM - Constrained Modulus
OCR - Estimated Over Consolidation Ratio

The above data was computed following basic guidelines by P.K. Robertson and R.G. Campanella in the handbook 'Guidelines for Use and Interpretation of the Electronic Cone Penetration Test', September, 1989.



PC-1 LOG

CLIENT: ABB
JOB: OCCL
LOCATION: KINGSBAY

SOUNDING NO.: 11PC112
DATE: 11-04-1992
TIME:

SUBSURFACE TECHNOLOGY INCORPORATED

HOLE: 11PC113 CLIENT: ABB
JOB: OCCL LOC: KINGSBAY
GWD: 5 Ft TECHS: GC

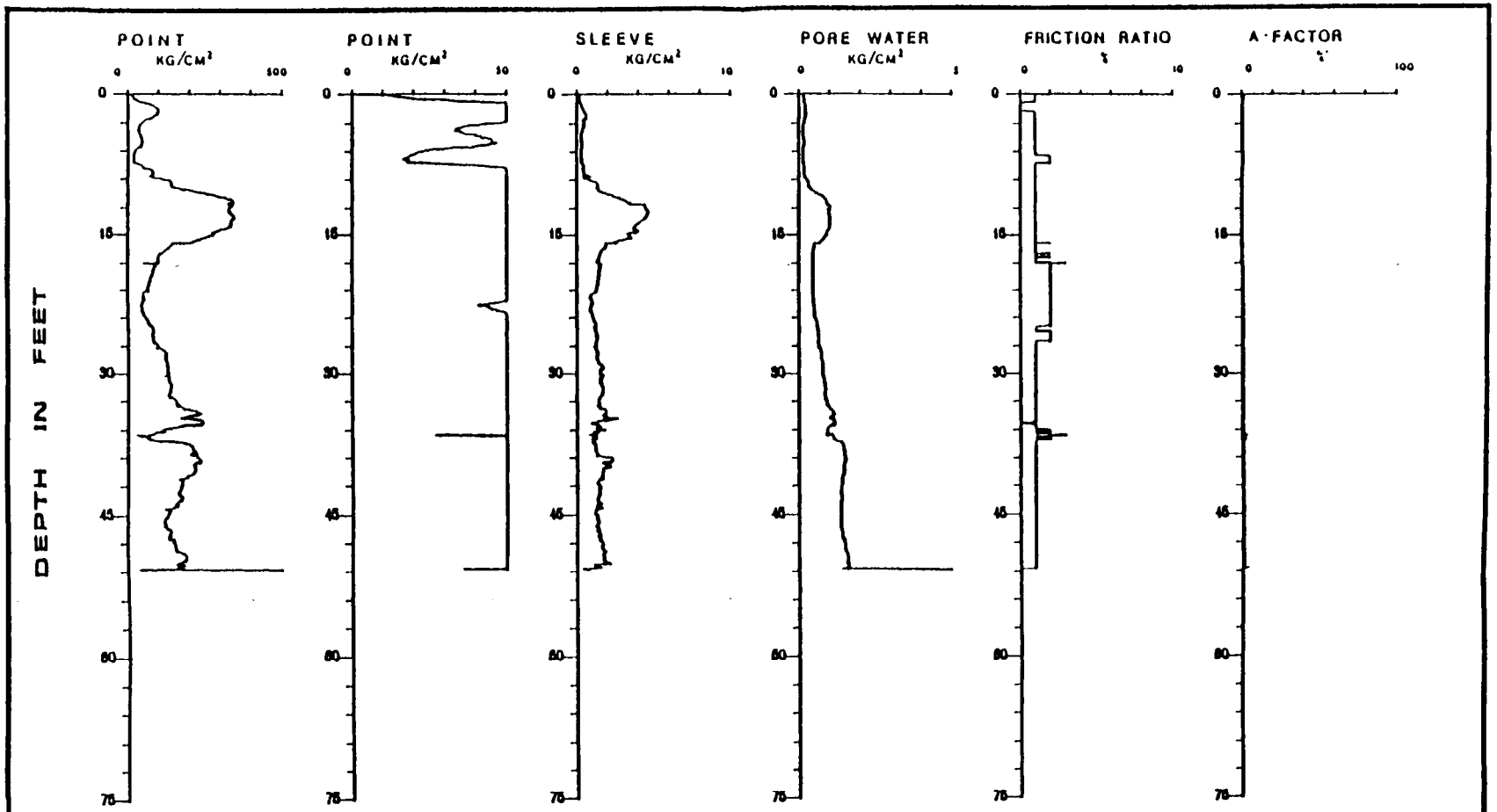
Depth	PP	PT	SL	FR	Soil Type	N	VES	FA	RD	YM	USS	SEN	CM	OCR
1.00	0.21	59.05	0.25	0.42	Silty Fine Sand	15	0.05	>45	95	130	-----	----	354	---
2.00	0.23	96.18	0.61	0.63	Silty Fine Sand	24	0.10	>45	99	212	-----	----	577	---
3.00	0.16	44.71	0.49	1.09	Silty to Clayey F.S.	15	0.15	>45	71	98	-----	----	268	---
4.00	0.15	35.39	0.31	0.87	Silty to Clayey F.S.	12	0.20	44	61	78	-----	----	212	---
5.00	0.16	45.62	0.35	0.76	Silty to Clayey F.S.	15	0.24	44	65	100	-----	----	274	---
6.00	0.15	23.28	0.29	1.24	Clayey Fine Sand	9	0.27	---	---	307	1.5	4.8	47	>10
7.00	0.14	18.49	0.28	1.50	Clayey Fine Sand	7	0.31	---	---	242	1.2	4.0	92	>10
8.00	0.19	75.48	0.48	0.63	Silty Fine Sand	19	0.34	45	75	166	-----	----	453	---
9.00	0.28	110.69	0.81	0.74	Fine Sand	22	0.37	>45	84	244	-----	----	664	---
10.00	0.41	166.45	1.37	0.82	Fine Sand	33	0.40	>45	95	366	-----	----	999	---
11.00	0.86	316.75	2.85	0.90	Fine Sand	63	0.44	>45	100+	697	-----	----	1901	---
12.00	0.99	326.72	4.50	1.38	Fine Sand	65	0.47	>45	100+	719	-----	----	1960	---
13.00	1.02	345.63	4.44	1.28	Fine Sand	69	0.50	>45	100+	760	-----	----	2074	---
14.00	1.01	330.27	3.78	1.14	Fine Sand	66	0.54	>45	100+	727	-----	----	1982	---
15.00	0.89	273.46	3.37	1.23	Fine Sand	55	0.57	>45	100+	602	-----	----	1641	---
15.00	0.61	190.25	2.12	1.12	Fine Sand	38	0.60	>45	93	419	-----	----	1141	---
16.00	0.51	142.16	1.87	1.31	Silty Fine Sand	36	0.63	45	84	313	-----	----	853	---
17.00	0.46	103.99	1.46	1.40	Silty Fine Sand	26	0.66	43	74	229	-----	----	624	---
18.00	0.45	97.66	1.29	1.32	Silty Fine Sand	24	0.69	42	72	215	-----	----	586	---
19.00	0.47	79.50	1.37	1.72	Silty to Clayey F.S.	26	0.73	41	65	175	-----	----	477	---
20.00	0.46	70.87	1.32	1.86	Silty to Clayey F.S.	24	0.76	40	61	156	-----	----	425	---
21.00	0.46	60.52	1.15	1.91	Silty to Clayey F.S.	20	0.79	39	56	133	-----	----	363	---
22.00	0.48	51.00	0.92	1.81	Silty to Clayey F.S.	17	0.82	38	51	112	-----	----	306	---
23.00	0.49	44.45	0.84	1.90	Clayey Fine Sand	18	0.85	---	---	581	2.9	3.2	89	>10
24.00	0.52	59.60	1.00	1.67	Silty to Clayey F.S.	20	0.88	38	54	131	-----	----	358	---
25.00	0.61	79.87	1.15	1.44	Silty to Clayey F.S.	27	0.91	40	62	176	-----	----	479	---
26.00	0.62	79.09	1.30	1.64	Silty to Clayey F.S.	26	0.94	40	61	174	-----	----	475	---
27.00	0.66	98.30	1.09	1.11	Silty Fine Sand	25	0.97	41	67	216	-----	----	590	---
28.00	0.73	121.21	1.35	1.11	Silty Fine Sand	30	1.00	42	72	267	-----	----	727	---
29.00	0.77	125.94	1.57	1.24	Silty Fine Sand	31	1.03	42	73	277	-----	----	756	---
30.00	0.78	126.59	1.46	1.16	Silty Fine Sand	32	1.06	41	73	279	-----	----	760	---
31.00	0.85	137.30	1.54	1.12	Silty Fine Sand	34	1.09	42	75	302	-----	----	824	---
32.00	0.84	129.90	1.61	1.24	Silty Fine Sand	32	1.13	41	73	286	-----	----	779	---
33.00	0.90	154.23	1.36	0.88	Fine Sand	31	1.16	42	77	339	-----	----	925	---
34.00	1.10	212.31	1.91	0.90	Fine Sand	42	1.19	43	86	467	-----	----	1274	---
35.00	1.15	234.87	1.82	0.78	Fine Sand	47	1.22	44	89	517	-----	----	1409	---
36.00	0.90	106.67	1.82	1.70	Silty to Clayey F.S.	36	1.26	40	66	235	-----	----	640	---
37.00	1.17	65.45	1.03	1.57	Silty to Clayey F.S.	22	1.29	37	51	144	-----	----	393	---
38.00	1.47	208.80	1.15	0.55	Fine Sand	42	1.32	43	84	459	-----	----	1253	---
39.00	1.55	225.73	2.09	0.92	Fine Sand	45	1.35	43	86	497	-----	----	1354	---
40.00	1.47	217.21	2.09	0.96	Fine Sand	43	1.39	43	85	478	-----	----	1303	---
41.00	1.42	185.33	1.63	0.88	Fine Sand	37	1.42	42	80	408	-----	----	1112	---
42.00	1.38	171.42	1.39	0.81	Fine Sand	34	1.45	41	77	377	-----	----	1029	---

HOLE: 11PC113 CLIENT: ABB
JOB: OCCL LOC: KINGSBAY
GWD: 5 Ft TECHS: GC

Depth	PP	PT	SL	FR	Soil Type	N	VES	FA	RD	YM	USS	SEN	CM	OCR
43.00	1.39	170.63	1.44	0.84	Fine Sand	34	1.49	41	77	375	-----	----	1024	---
44.00	1.36	155.71	1.39	0.89	Fine Sand	31	1.52	41	74	343	-----	----	934	---
45.00	1.36	125.17	1.21	0.96	Silty Fine Sand	31	1.55	39	67	275	-----	----	751	---
46.00	1.36	122.44	1.25	1.02	Silty Fine Sand	31	1.58	39	66	269	-----	----	735	---
47.00	1.41	137.77	1.52	1.10	Silty Fine Sand	34	1.61	40	69	303	-----	----	827	---
48.00	1.49	152.01	1.69	1.11	Silty Fine Sand	38	1.64	40	72	334	-----	----	912	---
49.00	1.55	176.19	1.79	1.01	Fine Sand	36	1.66	41	76	392	-----	----	1069	---
50.00	1.55	160.32	2.02	1.26	Silty Fine Sand	40	1.71	40	73	353	-----	----	962	---
50.75	6.90	840.42	0.74	0.09	Cemented Sand to Har	140	1.74	>45	100+	%1849	-----	----	5043	---

N - Equivalent SPT Blow Count (bpf)
VES - Vertical Effective Stress (kg/cm2)
FA - Friction Angle (Degrees)
RD - Relative Density (+ or - 5%)
YM - Youngs Modulus
USS - Undrained Sheer Strength
SEN - Sensitivity
CM - Constrained Modulus
OCR - Estimated Over Consolidation Ratio

The above data was computed following basic guidelines by P.K. Robertson and R.G. Campanella in the handbook 'Guidelines for Use and Interpretation of the Electronic Cone Penetration Test', September, 1989.



PC-1 LOG

CLIENT: ABB
JOB: GCCL
LOCATION: KINGSBAY

SOUNDING NO.: 11PC113
DATE: 11-04-1992
TIME:

SUBSURFACE TECHNOLOGY INCORPORATED

HOLE: 11PC114 CLIENT: ABB
JOB: 0001 LOC: 125
GWD: 5 Ft TECHS: SAS

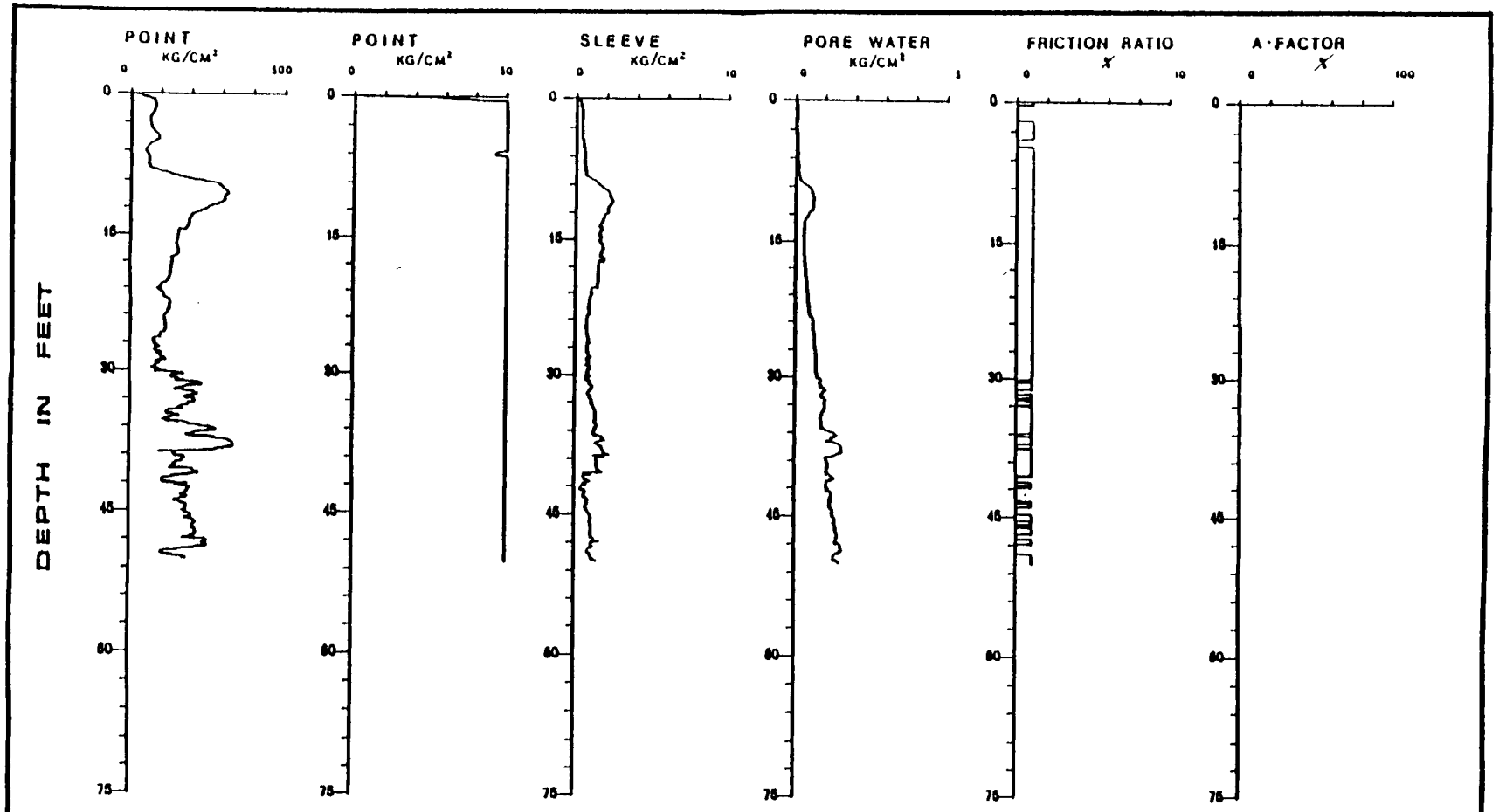
Depth	PP	PT	SL	FR	Soil Type	N	VES	FA	RD	YM	USS	SEN	CM	CCR
1.00	0.03	77.38	0.34	0.43	Silty Fine Sand	19	0.05	>45	100+	170	-----	----	464	---
2.00	0.02	69.93	0.34	0.49	Silty Fine Sand	17	0.10	>45	90	154	-----	----	420	---
3.00	0.01	60.96	0.37	0.61	Silty Fine Sand	15	0.15	>45	80	134	-----	----	366	---
4.00	0.04	81.06	0.35	0.44	Silty Fine Sand	20	0.20	>45	84	178	-----	----	486	---
5.00	0.04	76.69	0.50	0.65	Silty Fine Sand	19	0.24	>45	80	169	-----	----	460	---
6.00	0.07	46.07	0.54	1.18	Silty to Clayey F.S.	15	0.27	43	63	101	-----	----	276	---
7.00	0.08	56.85	0.56	1.02	Silty to Clayey F.S.	19	0.31	44	68	125	-----	----	341	---
8.00	0.13	91.60	0.67	0.73	Silty Fine Sand	23	0.34	>45	80	202	-----	----	550	---
9.00	0.42	230.20	1.51	0.63	Fine Sand	48	0.37	>45	100+	526	-----	----	1435	---
10.00	0.60	309.21	2.15	0.71	Fine Sand	62	0.40	>45	100+	680	-----	----	1855	---
11.00	0.57	303.65	2.28	0.75	Fine Sand	61	0.44	>45	100+	668	-----	----	1822	---
12.00	0.4[illegible]	248.89	2.05	0.82	Fine Sand	50	0.47	>45	100+	548	-----	----	1493	---
13.00	0.27	194.42	1.69	0.87	Fine Sand	39	0.50	>45	96	428	-----	----	1167	---
14.00	0.26	186.20	1.66	0.89	Fine Sand	37	0.54	>45	94	410	-----	----	1117	---
15.00	0.29	155.11	1.58	1.01	Fine Sand	31	0.57	>45	85	341	-----	----	931	---
16.00	0.28	148.79	1.83	1.23	Silty Fine Sand	37	0.60	>45	86	327	-----	----	893	---
17.00	0.30	156.61	1.79	1.13	Silty Fine Sand	40	0.63	>45	87	349	-----	----	953	---
18.00	0.34	135.93	1.49	1.10	Silty Fine Sand	34	0.66	44	82	299	-----	----	816	---
19.00	0.34	128.16	1.45	1.13	Silty Fine Sand	32	0.69	44	79	282	-----	----	769	---
20.00	0.35	125.98	1.40	1.11	Silty Fine Sand	31	0.72	43	78	277	-----	----	756	---
21.00	0.39	88.64	1.06	1.19	Silty Fine Sand	23	0.75	41	68	195	-----	----	532	---
22.00	0.44	112.11	0.91	0.81	Silty Fine Sand	28	0.78	42	74	247	-----	----	673	---
23.00	0.47	126.61	0.89	0.70	Fine Sand	31	0.82	43	77	279	-----	----	760	---
24.00	0.57	112.07	0.73	0.65	Fine Sand	22	0.85	42	73	247	-----	----	672	---
25.00	0.60	109.96	0.72	0.66	Fine Sand	22	0.88	42	71	240	-----	----	654	---
26.00	0.62	95.49	0.85	0.89	Silty Fine Sand	24	0.91	41	67	210	-----	----	573	---
27.00	0.65	78.07	0.77	0.98	Silty Fine Sand	20	0.95	39	61	172	-----	----	468	---
28.00	0.69	104.37	0.77	0.74	Silty Fine Sand	26	0.98	41	69	230	-----	----	626	---
29.00	0.66	83.95	0.80	0.95	Silty Fine Sand	21	1.01	40	61	185	-----	----	504	---
30.00	0.73	84.06	0.77	0.91	Silty Fine Sand	21	1.04	39	61	185	-----	----	504	---
31.00	0.83	133.48	0.97	0.83	Fine Sand	31	1.07	42	78	338	-----	----	921	---
32.00	0.82	151.22	0.81	0.54	Fine Sand	30	1.10	42	77	333	-----	----	907	---
33.00	1.02	202.96	1.11	0.54	Fine Sand	41	1.14	43	85	447	-----	----	1218	---
34.00	0.88	157.59	1.32	0.84	Fine Sand	32	1.17	42	76	347	-----	----	946	---
35.00	0.89	149.56	1.25	0.83	Fine Sand	30	1.20	42	76	329	-----	----	897	---
36.00	1.26	249.98	1.20	0.48	Cemented Sand to har	42	1.24	44	90	550	-----	----	1500	---
37.00	1.17	226.27	1.82	0.80	Fine Sand	45	1.27	43	87	498	-----	----	1358	---
38.00	1.55	332.96	1.61	0.54	Cemented Sand to har	55	1.31	>45	98	733	-----	----	1998	---
39.00	1.01	141.71	1.37	0.96	Fine Sand	28	1.34	41	73	312	-----	----	850	---
40.00	1.05	143.81	1.51	1.05	Silty Fine Sand	36	1.37	41	73	316	-----	----	863	---
41.00	1.29	222.16	0.56	0.25	Cemented Sand to har	37	1.41	43	85	489	-----	----	1333	---
42.00	1.07	115.08	0.58	0.51	Fine Sand	22	1.44	39	66	253	-----	----	690	---
43.00	1.20	189.02	0.61	0.32	Fine Sand	38	1.48	42	80	414	-----	----	1128	---

HOLE: 11PC114 CLIENT: ABE
JOB: 0001 LOC: 125
GWD: 5 Ft TECHS: SAS

Depth	PP	PT	SL	FR	Soil Type	N	VES	FA	RD	YM	USS	SEN	CM	OCR
44.00	1.15	153.50	0.82	0.54	Fine Sand	31	1.51	41	73	336	-----	----	921	---
45.00	1.26	177.61	1.04	0.59	Fine Sand	36	1.54	41	77	391	-----	----	1066	---
46.00	1.36	211.27	1.04	0.49	Fine Sand	42	1.58	42	82	465	-----	----	1268	---
47.00	1.41	218.40	1.05	0.48	Fine Sand	44	1.61	42	83	480	-----	----	1310	---
48.00	1.48	230.48	1.23	0.53	Fine Sand	46	1.64	42	84	507	-----	----	1383	---
49.00	1.41	189.71	0.80	0.42	Fine Sand	38	1.68	41	78	417	-----	----	1138	---
50.00	1.49	171.24	1.45	0.85	Fine Sand	34	1.71	41	75	377	-----	----	1027	---

N - Equivalent SPT Blow Count (bpf)
VES - Vertical Effective Stress (Kg/cm2)
FA - Friction Angle (Degress)
RD - Relative Density (+ or - 5%)
YM - Youngs Modulus
USS - Undrained Shear Strength
SEN - Sensitivity
CM - Constrained Modulus
OCR - Estimated Over Consolidation Ratio

The above data was computed following basic guidelines by P.K. Robertson and R.G. Campanella in the handbook 'Guidelines for use and Interpretation of the Electronic Cone Penetration Test', September, 1989.



PC-1 LOG

CLIENT: ABB
JOB: OCCL
LOCATION: 1a8

SOUNDING NO.: 11PC114
DATE: 11-10-1992
TIME:

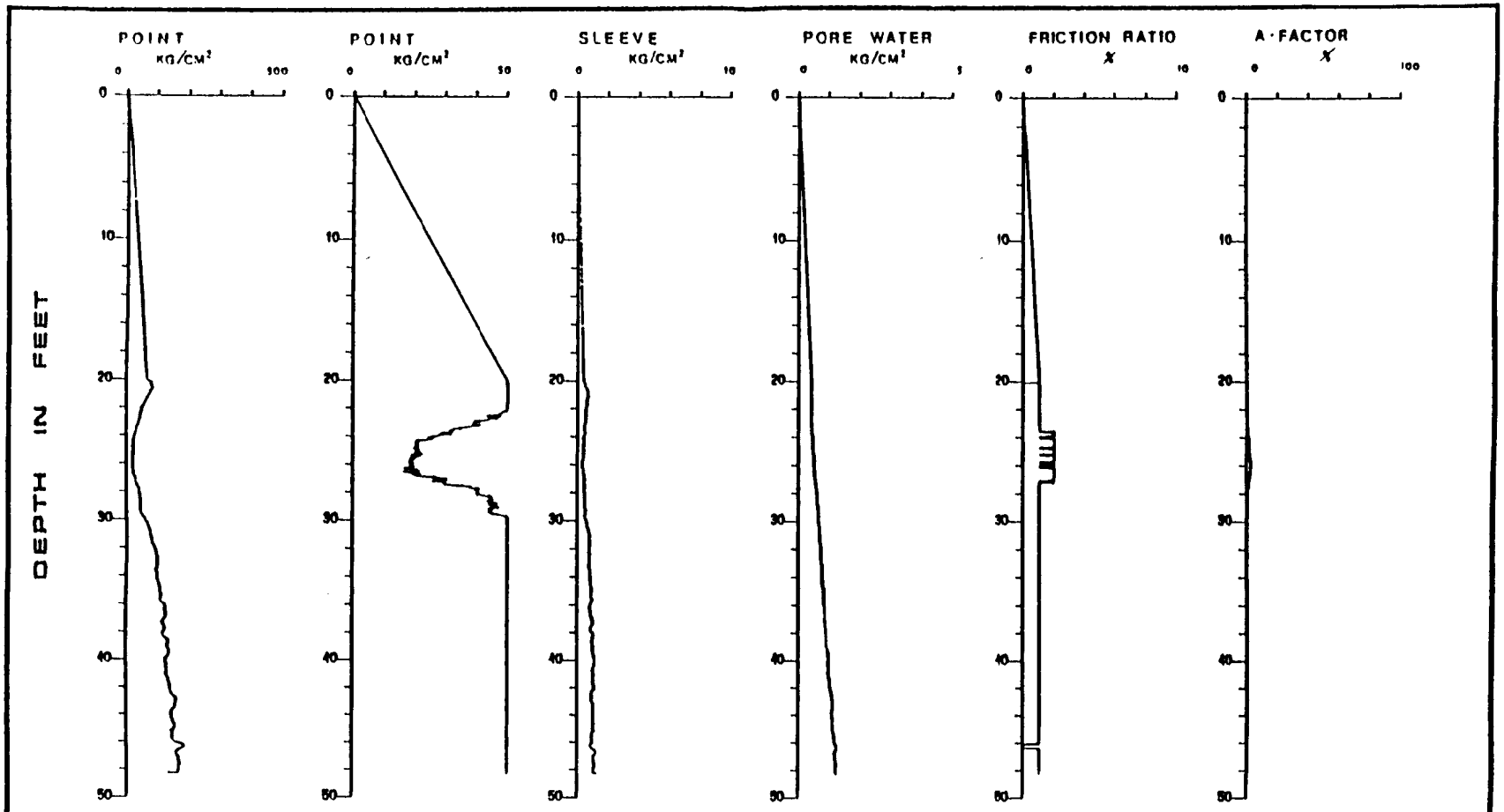
SUBSURFACE TECHNOLOGY INCORPORATED

HOLE: 11PC116 CLIENT: ABB
JOB: CCCL LOC: 116
GWD: 5 Ft TECHS: SAS

Depth	PP	PT	SL	FR	Soil Type	N	VES	FA	RD	YM	USS	SEN	CM	OCR
21.00	0.42	77.77	0.65	0.84	Silty Fine Sand	19	0.03	>45	100+	171	-----	----	467	---
22.00	0.41	50.74	0.59	1.16	Silty to Clayey F.S.	17	0.06	>45	88	112	-----	----	304	---
23.00	0.42	39.24	0.52	1.33	Silty to Clayey F.S.	13	0.09	>45	74	86	-----	----	235	---
24.00	0.46	27.07	0.39	1.43	Clayey Fine Sand	11	0.12	---	---	359	1.8	4.2	54	>10
25.00	0.47	20.54	0.48	2.32	Sandy Clay	10	0.15	---	---	272	1.4	2.6	41	>10
26.00	0.49	19.21	0.26	1.36	Clayey Fine Sand	8	0.18	---	---	254	1.3	4.4	96	>10
27.00	0.54	28.02	0.48	1.71	Clayey Fine Sand	11	0.21	---	---	371	1.9	3.5	56	>10
28.00	0.58	40.51	0.47	1.15	Silty to Clayey F.S.	14	0.24	43	61	89	-----	----	243	---
29.00	0.62	45.47	0.45	0.99	Silty to Clayey F.S.	15	0.27	43	63	100	-----	----	273	---
30.00	0.64	60.25	0.55	0.91	Silty Fine Sand	15	0.30	44	70	133	-----	----	361	---
31.00	0.69	77.73	0.81	1.04	Silty Fine Sand	19	0.34	45	75	171	-----	----	466	---
32.00	0.72	90.66	0.72	0.79	Silty Fine Sand	23	0.37	>45	79	199	-----	----	544	---
33.00	0.75	99.86	0.83	0.83	Silty Fine Sand	25	0.40	>45	80	220	-----	----	599	---
34.00	0.77	98.64	0.72	0.73	Silty Fine Sand	25	0.43	45	79	217	-----	----	592	---
35.00	0.81	110.15	0.89	0.80	Silty Fine Sand	28	0.46	45	81	242	-----	----	661	---
36.00	0.83	120.69	0.84	0.69	Fine Sand	24	0.49	45	83	266	-----	----	725	---
37.00	0.86	128.76	0.89	0.69	Fine Sand	26	0.52	45	83	283	-----	----	773	---
38.00	0.90	124.33	0.97	0.78	Fine Sand	25	0.56	45	82	274	-----	----	746	---
39.00	0.92	133.07	1.05	0.80	Fine Sand	27	0.59	45	83	293	-----	----	798	---
40.00	0.99	127.24	1.14	0.90	Fine Sand	25	0.62	44	81	280	-----	----	763	---
41.00	1.01	130.63	1.03	0.79	Fine Sand	26	0.66	44	81	287	-----	----	784	---
42.00	1.05	143.17	1.07	0.75	Fine Sand	29	0.69	44	83	315	-----	----	859	---
43.00	1.14	163.29	0.87	0.54	Fine Sand	33	0.72	45	86	359	-----	----	980	---
44.00	1.11	146.31	0.99	0.67	Fine Sand	29	0.76	44	82	322	-----	----	878	---
45.00	1.14	156.01	1.00	0.64	Fine Sand	31	0.79	44	83	343	-----	----	936	---
46.00	1.19	155.81	0.96	0.62	Fine Sand	31	0.82	44	82	343	-----	----	935	---
47.00	1.22	162.33	1.05	0.65	Fine Sand	32	0.86	44	83	357	-----	----	974	---
48.00	1.24	167.25	1.01	0.61	Fine Sand	33	0.89	44	83	366	-----	----	1004	---

N - Equivalent SPT Blow Count (bpf)
VES - Vertical Effective Stress (Kg/cm2)
FA - Friction Angle (Degrees)
RD - Relative Density (+ or - 5%)
YM - Youngs Modulus
USS - Undrained Shear Strength
SEN - Sensitivity
CM - Constrained Modulus
OCR - Estimated Over Consolidation Ratio

The above data was computed following basic guidelines by P.K. Robertson and R.G. Campanella in the handbook 'Guidelines for Use and Interpretation of the Electronic Cone Penetration Test', September, 1989.



PC-1 LOG

CLIENT: ABB
JOB: OCCL
LOCATION: 118

SOUNDING NO.: 11PC118
DATE: 11-15-1992
TIME:

SUBSURFACE TECHNOLOGY INCORPORATED

TITLE: NSB KINGS BAY, GEORGIA		LOG of WELL: KBA-11-1	BORING NO. 11SB01
CLIENT: NAVY			PROJECT NO: 7663-03
CONTRACTOR: GROUNDWATER PROTECTION, INC.		DATE STARTED: 2/8/92	COMPLTD: 2/8/92
METHOD: HSA	CASE SIZE: 2 inch	SCREEN INT.: 10 ft.	PROTECTION LEVEL: D
TOC ELEV.: 38.80 FT.	MONITOR INST.: PID	TOT DPTH: 14.5FT.	DPTH TO ∇ 8 FT.
LOGGED BY: LAURA HARRIS	WELL DEVELOPMENT DATE: 2/11/92		SITE: 11

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN
					grey silty fine to medium sand over black silty fine to medium sand		SM	
				0	orange silty fine to medium sand			
					buff medium to fine sand at 4 ft.		SW	
5			16 in.					
		03		0	color change to grey (LEL 1%)			
			20 in.					
		04		0	same		SM	
			24 in.					
10		05		0	8.5 ft. change to black silty fine to medium sand			
			24 in.					
		06		0	black silty fine to medium sand			
			24 in.					
		07		0	same			
15					TOTAL DEPTH = 14.5 ft.			
20								

PAGE 1 of KBA-11-1 ABB ENVIRONMENTAL SERVICES, INC.

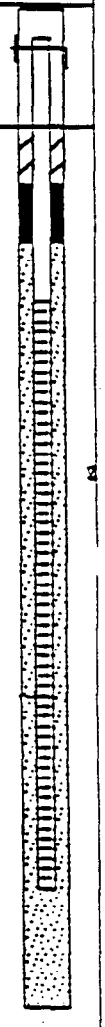
TITLE: NSB KINGS BAY, GEORGIA		LOG of WELL: KBA-11-2	BORING NO. 11SB02
CLIENT: NAVY			PROJECT NO: 7553-03
CONTRACTOR: GROUNDWATER PROTECTION, INC.		DATE STARTED: 2/10/92	COMPLTD: 2/10/92
METHOD: HSA	CASE SIZE: 2 inch	SCREEN INT.: 10 ft.	PROTECTION LEVEL: D
TOC ELEV.: 34.92 FT.	MONITOR INST.: PID	TOT DPTH: 15FT.	DPTH TO ∇ 8 FT.
LOGGED BY: LAURA HARRIS	WELL DEVELOPMENT DATE: 2/13/92		SITE: 11

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN
					gray and black silty fine to medius sand		SM	
				0	orange and buff fine to medius sand		SW	
					moist at 4 ft. (LEL=0%)			
5			18 in.		gray fine to medius sand (wet) ; well sorted			
		03		0	same (saturated)			
			24 in.					
		04		0				
			24 in.		same to 9.5 ft., then black silty fine to medius sand			
10		05		0	black silty fine sand		SM	
			24 in.					
		06		0				
			24 in.		same ; color change to dark red brown at 13.5 ft.			
		07		0				
15					TOTAL DEPTH = 15 ft.			
20								

PAGE 1 of KBA-11-2 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NSB KINGS BAY, GEORGIA		LOG of WELL: KBA-11-3	BORING NO. 11SB03
CLIENT: NAVY			PROJECT NO: 7553-03
CONTRACTOR: GROUNDWATER PROTECTION, INC.		DATE STARTED: 2/10/92	COMPLTD: 2/10/92
METHOD: HSA	CASE SIZE: 2 inch	SCREEN INT.: 10 ft.	PROTECTION LEVEL: D
TOC ELEV.: 34.58 FT.	MONITOR INST.: PID	TOT DPTH: 15FT.	DPTH TO ∇ 8 FT.
LOGGED BY: LAURA HARRIS	WELL DEVELOPMENT DATE: 2/13/92		SITE: 11

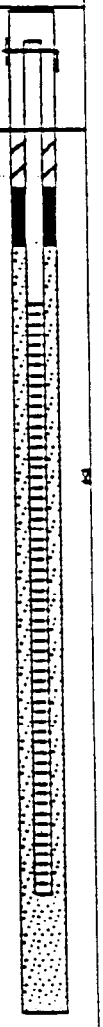
DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN
					topsoil to 6" below land surface		TOPSOIL	
							SW	
				0	grey medium to fine sand			
					buff medium to fine sand (LEL=1%)			
					buff to 4.5 ft. ; grey medium to fine sand			
5			12 in.					
		03		0				1-2-4-6
			18 in.		grey as above to 7.5 ft. ; beyond 7.5 ft. black silty fine to medium sand			
							SM	
		04		0	black silty fine to medium sand			2-2-3-2
			18 in.					
10		05		0	mottled black and tan silty fine to medium sand, tan areas coarser, less fines			4-4-5-10
			18 in.					
		06		0				
			20 in.		mottled as above to 13 ft., then brown medium sand		SW	
		07		0	no change in cuttings			15-17-18-24
15					TOTAL DEPTH = 15 ft.			
20								



PAGE 1 of KBA-11-3 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NSB KINGS BAY, GEORGIA		LOG of WELL: KBA-11-4	BORING NO. 11SB04
CLIENT: NAVY			PROJECT NO: 7553-03
CONTRACTOR: GROUNDWATER PROTECTION, INC.		DATE STARTED: 2/10/92	COMPLTD: 2/10/92
METHOD: HSA	CASE SIZE: 2 inch	SCREEN INT.: 10 ft.	PROTECTION LEVEL: D
TOC ELEV.: 35.12 FT.	MONITOR INST.: PID	TOT DPTH: 15FT.	DPTH TO ∇ 8 FT.
LOGGED BY: LAURA HARRIS	WELL DEVELOPMENT DATE: 2/13/92		SITE: 11

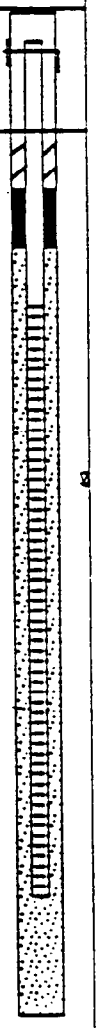
DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN
					black silty medium to fine sand		SM	
				0				
					buff medium to fine sand		SW	
5			18 in.		same to 5 ft., then grey medium sand ; wet on bottom			
		03		0	grey medium sand			4-3-3-7
			24 in.					
		04		0				
			24 in.		same to 8.5 ft., then brown silty medium sand			
							SM	
10		05		0	same: dark brown and black mottled			
			12 in.					
		06		0	same : dark brown and black mottled			
			24 in.					
		07		0	no change in cuttings			
15					TOTAL DEPTH = 15 ft.			
20								



PAGE 1 of KBA-11-4 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NSB KINGS BAY, GEORGIA		LOG of WELL: KBA-11-5	BORING NO. 11SB05
CLIENT: NAVY			PROJECT NO: 7553-03
CONTRACTOR: GROUNDWATER PROTECTION, INC.		DATE STARTED: 2/10/92	COMPLTD: 2/10/92
METHOD: HSA	CASE SIZE: 2 inch	SCREEN INT.: 10 ft.	PROTECTION LEVEL: D
TOC ELEV.: 38.01 FT.	MONITOR INST.: PID	TOT DPTH: 15FT.	DPTH TO ∇ 8 FT.
LOGGED BY: LAURA HARRIS	WELL DEVELOPMENT DATE: 2/13/92		SITE: 11

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN
					grey fine to medius sand		SW	
				0	brown silty fine to medius sand		SM	
					buff fine to medius sand w/silt			
							SW	
5			14 in.		grey fine to medius sand			
		03		0				4-6-6-7
			18 in.		grey sand as above to 7 ft., then brown silty fine to medius sand			
		04		0	interbedded brown and grey-brown fine to medius sand			3-3-4-6
			18 in.		black and silty between 9.5-10 ft.			
10		05		0	black between 10-10.5 ft., then mottled dark brown and black silty fine to medius sand		SM	10-3-3-9
			20 in.					
		06		0	same to 13.5 ft., then red medius sand at 13.5 ft.			12-12-22-32
			24 in.					
		07		0	no change in cuttings		SW	28-45-refusal
15					TOTAL DEPTH = 15 ft.			
20								



PAGE 1 of KBA-11-5 ABB ENVIRONMENTAL SERVICES, INC.

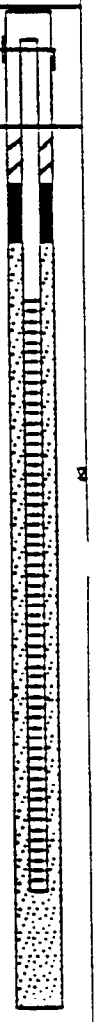
TITLE: NSB KINGS BAY, GEORGIA		LOG of WELL: KBA-11-6	BORING NO. 11SB06
CLIENT: NAVY			PROJECT NO: 7553-03
CONTRACTOR: GROUNDWATER PROTECTION, INC.		DATE STARTED: 2/10/92	COMPLTD: 2/10/92
METHOD: HSA	CASE SIZE: 2 inch	SCREEN INT.: 10 ft.	PROTECTION LEVEL: D
TOC ELEV.: 37.39 FT.	MONITOR INST.: PID	TOT DPTH: 15FT.	DPTH TO ∇ 6 FT.
LOGGED BY: LAURA HARRIS	WELL DEVELOPMENT DATE: 2/13/92		SITE: 11

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN
					grey fine to medium sand		SW	
				0	6" of black medium to fine sand			
					buff medium sand mottled with orange (LEL=1%)			
5			18 in.		same as above			
		03		0	buff as above to 6.5 ft., then grey medium sand to 7.5 ft., then black silty fine to medium sand to 8 ft.			3-3-4-6
			18 in.					
		04		0	black silty fine to medium sand		SM	6-5-4-4
			20 in.					
10		05		0	same			14-38-32-40
			18 in.					
		06		0	mottled black and brown silty fine to medium sand			30-25-32-45
			8 in.					
		07		0	no change in cuttings			35-refusal
15					TOTAL DEPTH = 15 ft.			
20								

PAGE 6 of KBA-11-6 ... ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NSB KINGS BAY, GEORGIA		LOG of WELL: KBA-11-7	BORING NO. 11SB07
CLIENT: NAVY			PROJECT NO: 7653-03
CONTRACTOR: GROUNDWATER PROTECTION, INC.		DATE STARTED: 2/10/92	COMPL'TD: 2/10/92
METHOD: HSA	CASE SIZE: 2 inch	SCREEN INT.: 10 ft.	PROTECTION LEVEL: D
TOC ELEV.: 37.25 FT.	MONITOR INST.: PID	TOT DPTH:15FT.	DPTH TO ∇ 8 FT.
LOGGED BY: LAURA HARRIS	WELL DEVELOPMENT DATE: 2/13/92		SITE: 11

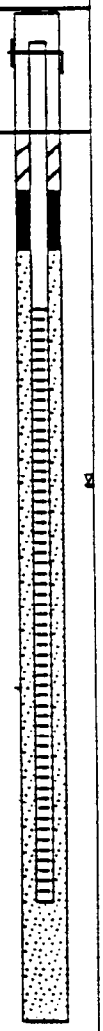
DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN
					brown medium to fine sand		SW	
					6" of black silty fine sand ; 3" of gray medium sand		SM	
				0			SW	
					buff and orange mottled fine to medium sand			
5			18 in.		buff and orange as above to 4.5 ft., then gray medium sand			
		03		0				3-4-3-5
			24 in.		same to 7.5 ft., then black silty fine to medium sand			
		04		0			SM	6-4-3-5
			20 in.		same			
10		05		0	same, grading to dark red-brown fine to medium sand			8-14-17-28
			20 in.					
		06		0	dark red-brown medium to fine sand		SW	12-23-34-47
			12 in.					
		07		0	no change in cuttings			42-45-47-48
15					TOTAL DEPTH = 15 ft.			
20								



PAGE 1 of KBA-11-7 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NSB KINGS BAY, GEORGIA		LOG of WELL: KBA-11-8	BORING NO. 11SB08
CLIENT: NAVY			PROJECT NO: 7653-03
CONTRACTOR: GROUNDWATER PROTECTION, INC.		DATE STARTED: 2/8/92	COMPLTD: 2/8/92
METHOD: HSA	CASE SIZE: 2 inch	SCREEN INT.: 10 ft.	PROTECTION LEVEL: D
TOC ELEV.: FT.	MONITOR INST.: PID	TOT DPTH: 15FT.	DPTH TO ∇ 8 FT.
LOGGED BY: LAURA HARRIS	WELL DEVELOPMENT DATE: 2/11/92		SITE: 11

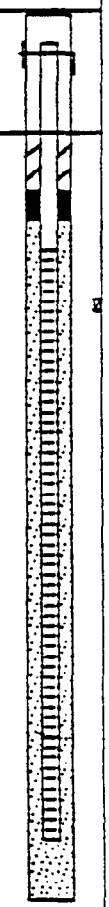
DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN
					gray medium to fine sand		SW	
				0	orange fine to medium sand			
					buff silty fine to medium sand (LEL 1%)		SM	
5			24 in.		mottled gray and orange fine to medium sand		SW	
	03			0				
			18 in.		same			
	04			0				
			24 in.		at 9 ft., change to black silty fine to medium sand		SM	
10	05			0				
			18 in.		same			
	06			0				
			18 in.					
	07			0	same			
15					TOTAL DEPTH = 15 ft.			
20								



PAGE 1 of KBA-11-8 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NSB KINGS BAY, GEORGIA		LOG of WELL: KBA-11-4	BORING NO. 11SB08
CLIENT: NAVY			PROJECT NO: 7553-03
CONTRACTOR: GROUNDWATER PROTECTION, INC.		DATE STARTED: 2/8/92	COMPLTD: 2/8/92
METHOD: HSA	CASE SIZE: 2 inch	SCREEN INT.: 10 ft.	PROTECTION LEVEL: D
TOC ELEV.: 34.68 FT.	MONITOR INST.: PID	TOT DPTH: 13FT.	DPTH TO ∇ 3 FT.
LOGGED BY: LAURA HARRIS	WELL DEVELOPMENT DATE: 2/11/92		SITE: 11

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN
					8" of topsoil		SW	
				0	gray medium to fine sand			
			12 in.		gray-brown medium sand			
5		03		0			SM	
			20 in.		same to 5'-10', then change to black silty fine to medium sand			
		04		0				
			18 in.		same grading to dark brown at 8 ft.			
10			24 in.		same to 10 ft., then change to red fine to medium sand		SW	
		05		0				
			24 in.		mottled brown and red fine to medium sand			
		06		0	TOTAL DEPTH = 13 ft.			
15								
20								



PAGE 1 of KBA-11-9 ABB ENVIRONMENTAL SERVICES, INC.

Appendix G

Hydraulic Conductivity Data

AQTESOLV™ OUTPUT OF SLUG TEST DATA

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A Q T E S O L V   R E S U L T S
Version 1.10

03/10/93 09:41:34

TEST DESCRIPTION

Data set........... KBA-11-1.DAT
Data set title..... KBA-11-1

Knowns and Constants:
No. of data points.................. 38
Radius of well casing............... 0.083
Radius of well...................... 0.33
Aquifer saturated thickness......... 81.8
Well screen length.................. 6
Static height of water in well...... 6
Log(Re/Rw).......................... 1.69
A, B, C............................. 2.101, 0.324, 0.000

ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

RESULTS FROM STATISTICAL CURVE MATCHING

STATISTICAL MATCH PARAMETER ESTIMATES

	Estimate		Std. Error
K =	8.3987E-003	+/-	5.1550E-004
y0 =	1.8525E+000	+/-	5.0065E-002

ANALYSIS OF MODEL RESIDUALS

residual = calculated - observed
weighted residual = residual * weight

Weighted Residual Statistics:
Number of residuals................ 38
Number of estimated parameters.... 2
Degrees of freedom................. 36
Residual mean...................... 0.009568
Residual standard deviation....... 0.1178
Residual variance.................. 0.01388

Model Residuals:

Time	Observed	Calculated	Residual	Weight

0.0033	2.35	1.8004	0.54965	1
0.0066	1.33	1.7496	-0.41964	1
0.01	1.65	1.6989	-0.04888	1
0.0133	1.66	1.651	0.0089772	1
0.0166	1.59	1.6045	-0.014514	1
0.02	1.55	1.558	-0.007966	1
0.0233	1.51	1.5141	-0.0040787	1
0.0266	1.44	1.4714	-0.031428	1
0.03	1.37	1.4287	-0.058741	1
0.0333	1.38	1.3885	-0.0084935	1
0.05	1.2	1.2016	-0.0015565	1
0.0666	1.03	1.0407	-0.010688	1
0.0833	0.89	0.90058	-0.010577	1
0.1	0.77	0.77933	-0.0093296	1
0.1166	0.67	0.67499	-0.0049903	1
0.1333	0.58	0.58411	-0.0041144	1
0.15	0.51	0.50547	0.0045267	1
0.16	0.44	0.46355	-0.023547	1
0.1833	0.38	0.37886	0.0011434	1
0.2	0.34	0.32785	0.01215	1
0.2166	0.29	0.28396	0.0060437	1
0.2333	0.27	0.24573	0.024274	1
0.25	0.23	0.21264	0.017356	1
0.2666	0.21	0.18417	0.025826	1
0.2833	0.19	0.15938	0.030622	1
0.3	0.17	0.13792	0.032079	1
0.3166	0.15	0.11946	0.030545	1
0.3333	0.14	0.10337	0.036627	1
0.4166	0.09	0.050253	0.039747	1
0.5	0.06	0.024408	0.035592	1
0.5833	0.05	0.011866	0.038134	1
0.6666	0.04	0.0057683	0.034232	1
0.75	0.03	0.0028017	0.027198	1
0.8333	0.02	0.001362	0.018638	1
0.9166	0.02	0.00066211	0.019338	1
1	0.01	0.00032159	0.0096784	1
1.0833	0.01	0.00015634	0.0098437	1
1.1666	0.01	7.6E-005	0.009924	1

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

	Estimate
K =	8.3987E-003
y0 =	1.8525E+000

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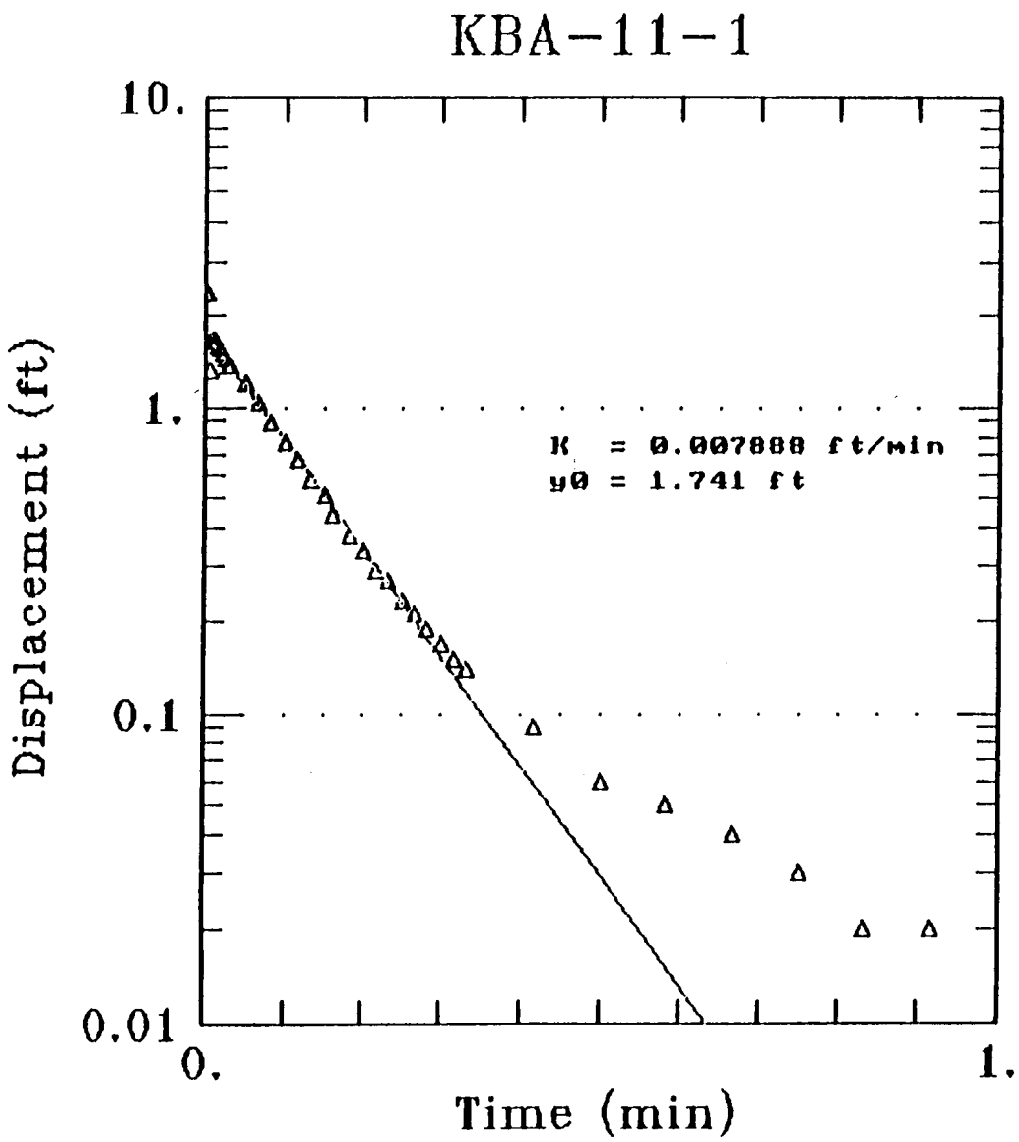
TYPE CURVE DATA

K = 7.88800E-003
y0 = 1.74100E+000


KBA-11-1
10.
1.
0.1
0.01
0.
1.
Displacement (ft)
Time (min)
K = 0.007888 ft/min
y0 = 1.741 ft

<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<>>

A Q T E S O L V   R E S U L T S
Version 1.10

03/10/93 09:46:50

TEST DESCRIPTION

```
Data set........... KBA-11-3.DAT
Data set title..... KBA-11-3

Knowns and Constants:
   No. of data points................... 60
   Radius of well casing................ 0.083
   Radius of well....................... 0.33
   Aquifer saturated thickness.......... 81.84
   Well screen length................... 6
   Static height of water in well...... 6
   Log(Re/Rw)........................... 1.69
   A, B, C.............................. 2.101, 0.324, 0.000
```

ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

RESULTS FROM STATISTICAL CURVE MATCHING

STATISTICAL MATCH PARAMETER ESTIMATES

	Estimate		Std. Error
K =	6.0595E-003	+/-	1.5372E-004
y0 =	1.8264E+000	+/-	2.0170E-002

ANALYSIS OF MODEL RESIDUALS

residual = calculated - observed
weighted residual = residual * weight

```
Weighted Residual Statistics:
   Number of residuals................ 60
   Number of estimated parameters.... 2
   Degrees of freedom................. 58
   Residual mean...................... 0.01057
   Residual standard deviation....... 0.05255
   Residual variance.................. 0.002762
```

Model Residuals:

Time	Observed	Calculated	Residual	Weight

0.0033	2.121	1.7891	0.33187	1
0.0066	1.771	1.7526	0.018375	1
0.01	1.703	1.7158	-0.012791	1
0.0133	1.671	1.6808	-0.0097805	1
0.0166	1.61	1.6465	-0.036484	1
0.02	1.597	1.6119	-0.014881	1
0.0233	1.53	1.579	-0.048991	1
0.0266	1.485	1.5468	-0.061771	1
0.03	1.414	1.5143	-0.10026	1
0.0333	1.414	1.4834	-0.069365	1
0.05	1.298	1.3364	-0.038406	1
0.0666	1.173	1.2048	-0.031759	1
0.0833	1.064	1.0854	-0.021402	1
0.1	0.964	0.97787	-0.01387	1
0.1166	0.871	0.88154	-0.010542	1
0.1333	0.787	0.79421	-0.0072066	1
0.15	0.716	0.71552	0.00047638	1
0.16	0.652	0.67219	-0.020191	1
0.1833	0.588	0.58113	0.0068661	1
0.2	0.536	0.52356	0.01244	1
0.2166	0.482	0.47199	0.010015	1
0.2333	0.443	0.42523	0.017775	1
0.25	0.401	0.3831	0.017902	1
0.2666	0.366	0.34536	0.020641	1
0.2833	0.334	0.31114	0.022856	1
0.3	0.305	0.28032	0.024681	1
0.3166	0.279	0.25271	0.026295	1
0.3333	0.257	0.22767	0.029331	1
0.4166	0.176	0.1353	0.0407	1
0.5	0.128	0.080357	0.047643	1
0.5833	0.099	0.047755	0.051245	1
0.6666	0.07	0.02838	0.04162	1
0.75	0.061	0.016855	0.044145	1
0.8333	0.051	0.010017	0.040983	1
0.9166	0.045	0.0059529	0.039047	1
1	0.038	0.0035355	0.034465	-1
1.0833	0.032	0.0021011	0.029899	1
1.1666	0.028	0.0012486	0.026751	1
1.25	0.025	0.00074159	0.024258	1
1.3333	0.022	0.00044072	0.021559	1
1.4166	0.019	0.00026191	0.018738	1
1.5	0.019	0.00015555	0.018844	1
1.5833	0.016	9.2443E-005	0.015908	1
1.6666	0.016	5.4937E-005	0.015945	1
1.75	0.012	3.2628E-005	0.011967	1
1.8333	0.009	1.939E-005	0.0089806	1
1.9166	0.012	1.1523E-005	0.011988	1
2	0.006	6.8439E-006	0.0059932	1
2.5	0.006	3.0111E-007	0.0059997	1
3	0.006	1.3248E-008	0.006	1
4	0.003	2.5646E-011	0.003	1
6	0.003	9.61E-017	0.003	1
6.5	0.003	4.2281E-018	0.003	1
7	0.003	1.8603E-019	0.003	1
7.5	0.003	8.1847E-021	0.003	1
8	0.003	3.6011E-022	0.003	1
8.5	0.003	1.5844E-023	0.003	1
9	0.003	6.9708E-025	0.003	1
9.5	0.003	3.067E-026	0.003	1

10	0.003	1.3494E-027	0.003	1

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

	Estimate
K =	6.0595E-003
y0 =	1.8264E+000

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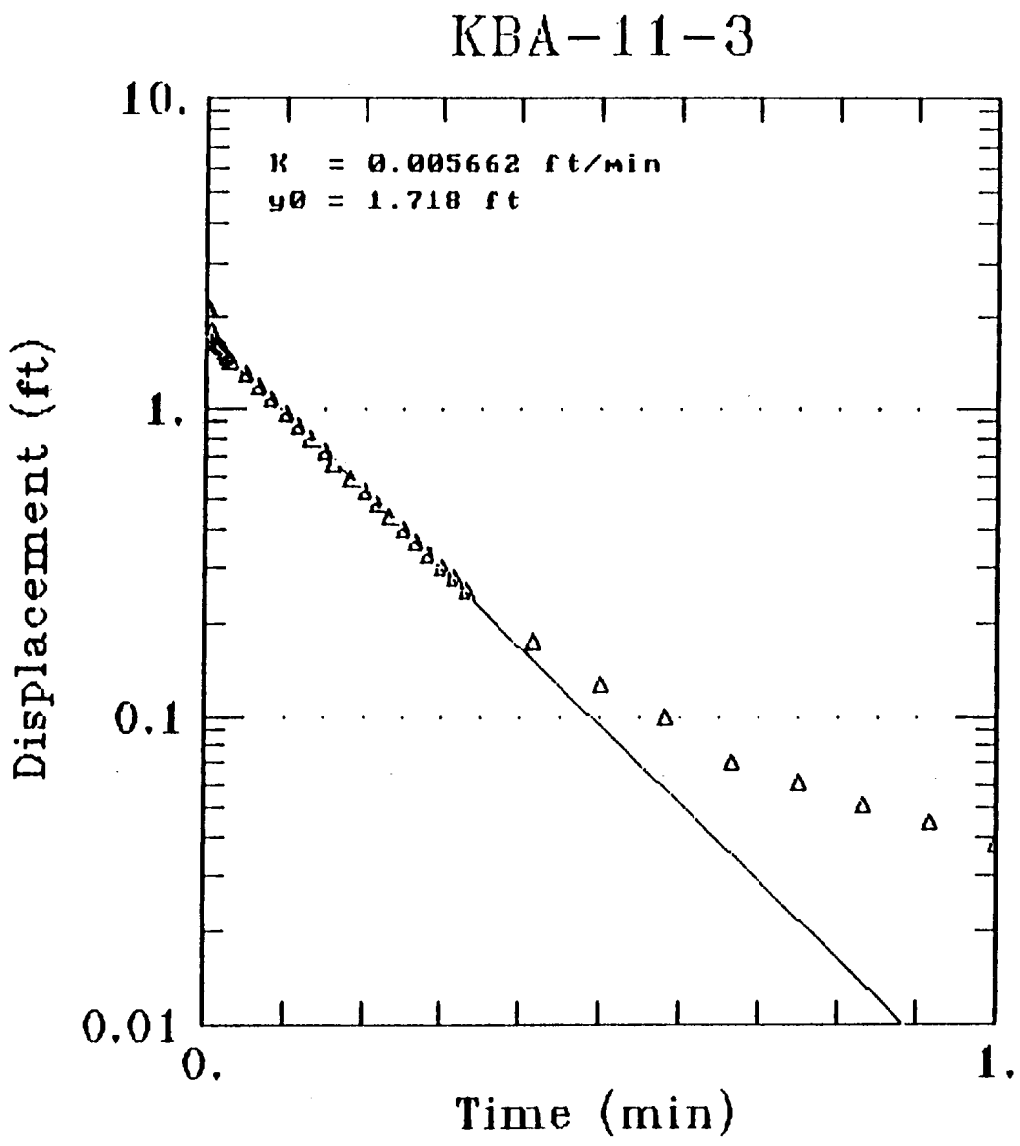
TYPE CURVE DATA

K = 5.66200E-003
y0 = 1.71800E+000

Time	Drawdown	Time	D


KBA-11-3
K = 0.005662 ft/min
y0 = 1.718 ft
10.
1.
0.1
0.01
0.
1.
Displacement (ft)
Time (min)

<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>

A Q T E S O L V R E S U L T S

Version 1.10

03/10/93 09:56:21

TEST DESCRIPTION

```
Data set........... KBA-11-5.DAT
Data set title..... KAB-11-5

Knowns and Constants:
   No. of data points................... 31
   Radius of well casing................ 0.083
   Radius of well....................... 0.33
   Aquifer saturated thickness.......... 81.8
   Well screen length................... 7
   Static height of water in well...... 7
   Log(Re/Rw)........................... 1.814
   A, B, C.............................. 2.183, 0.345, 0.000
```

ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

RESULTS FROM STATISTICAL CURVE MATCHING

STATISTICAL MATCH PARAMETER ESTIMATES

	Estimate		Std. Error
K =	6.9412E-003	+/-	9.9627E-005
y0 =	1.7266E+000	+/-	1.0899E-002

ANALYSIS OF MODEL RESIDUALS

residual = calculated - observed
weighted residual = residual * weight

```
Weighted Residual Statistics:
   Number of residuals................. 31
   Number of estimated parameters.... 2
   Degrees of freedom................. 29
   Residual mean...................... -0.004602
   Residual standard deviation....... 0.0266
   Residual variance.................. 0.0007075
```

Model Residuals:

Time	Observed	Calculated	Residual	Weight

0.0033	1.681	1.6828	-0.0018073	1
0.0066	1.591	1.6402	-0.04917	1
0.01	1.594	1.5974	-0.0033704	1
0.0133	1.523	1.5569	-0.033898	1
0.0166	1.51	1.5175	-0.0074507	1
0.02	1.437	1.4779	-0.040853	1
0.0233	1.44	1.4404	-0.000409	1
0.0266	1.443	1.4039	0.039087	1
0.03	1.366	1.3673	-0.0012787	1
0.0333	1.408	1.3326	0.075364	1
0.05	1.183	1.1703	0.01267	1
0.0666	1.048	1.0286	0.019408	1
0.0833	0.925	0.90332	0.021683	1
0.1	0.816	0.7933	0.022701	1
0.1166	0.72	0.69722	0.022777	1
0.1333	0.63	0.61231	0.017694	1
0.15	0.549	0.53773	0.011268	1
0.16	0.482	0.4975	-0.015498	1
0.1833	0.418	0.41505	0.002953	1
0.2	0.36	0.3645	-0.0044972	1
0.2166	0.311	0.32035	-0.0093531	1
0.2333	0.266	0.28134	-0.015336	1
0.25	0.231	0.24707	-0.016072	1
0.2666	0.192	0.21715	-0.025149	1
0.2833	0.163	0.1907	-0.027702	1
0.3	0.141	0.16748	-0.026476	1
0.3166	0.122	0.14719	-0.025193	1
0.3333	0.099	0.12927	-0.030266	1
0.4166	0.045	0.067631	-0.022631	1
0.5	0.019	0.035356	-0.016356	1
0.5833	0.003	0.018498	-0.015498	1

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

	Estimate
K =	6.9412E-003
y0 =	1.7266E+000

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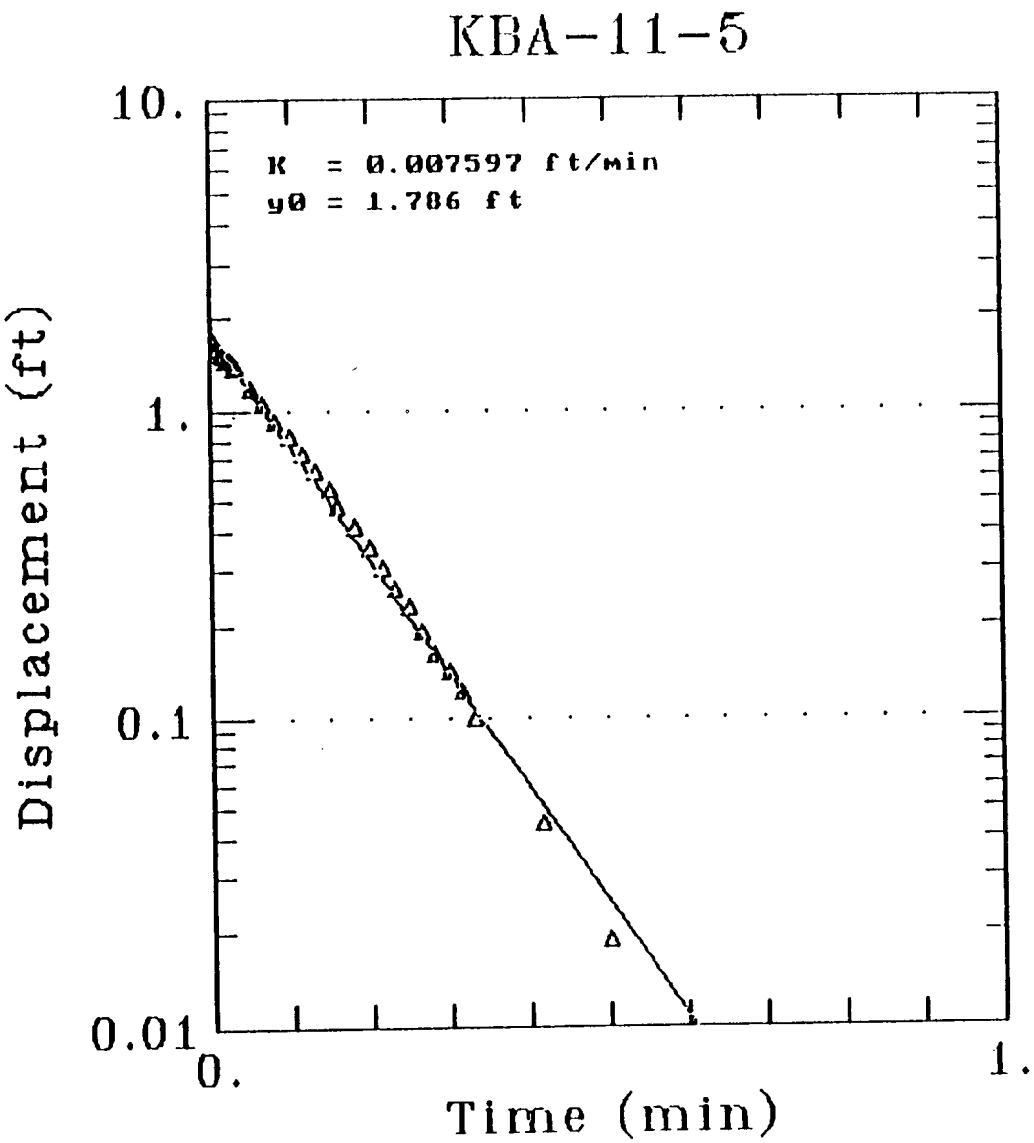
TYPE CURVE DATA

K = 7.59700E-003
y0 = 1.78600E+000

Time	Drawdown	Time	Drawdown	Time	Drawdown


KBA-11-5
K = 0.007597 ft/min
y0 = 1.786 ft
10.
1.
0.1
0.01
0.
1.
Displacement (ft)
Time (min)

<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<o>>

A Q T E S O L V   R E S U L T S

Version 1.10

03/10/93 12:15:17

TEST DESCRIPTION

Data set........... KBA-11-7.DAT
Data set title..... KBA-11-7

Knowns and Constants:
No. of data points.................. 70
Radius of well casing............... 0.083
Radius of well...................... 0.33
Aquifer saturated thickness......... 81.24
Well screen length.................. 7
Static height of water in well...... 7
Log(Re/Rw).......................... 1.814
A, B, C............................. 2.183, 0.345, 0.000

ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

RESULTS FROM STATISTICAL CURVE MATCHING

STATISTICAL MATCH PARAMETER ESTIMATES

	Estimate		Std. Error
K =	3.6665E-003	+/-	4.4716E-004
y0 =	2.0744E+000	+/-	1.0349E-001

ANALYSIS OF MODEL RESIDUALS

residual = calculated - observed
weighted residual = residual * weight

Weighted Residual Statistics:
Number of residuals................ 70
Number of estimated parameters.... 2
Degrees of freedom................. 68
Residual mean...................... 0.2107
Residual standard deviation....... 0.2989
Residual variance.................. 0.08937

Model Residuals:

Time	Observed	Calculated	Residual	Weight

0.0033	2.121	1.7891	0.33187	1
0.0066	1.771	1.7526	0.018375	1
0.01	1.703	1.7158	-0.012791	1
0.0133	1.671	1.6808	-0.0097805	1
0.0166	1.61	1.6465	-0.036484	1
0.02	1.597	1.6119	-0.014881	1
0.0233	1.53	1.579	-0.048991	1
0.0266	1.485	1.5468	-0.061771	1
0.03	1.414	1.5143	-0.10026	1
0.0333	1.414	1.4834	-0.069365	1
0.05	1.298	1.3364	-0.038406	1
0.0666	1.173	1.2048	-0.031759	1
0.0833	1.064	1.0854	-0.021402	1
0.1	0.964	0.97787	-0.01387	1
0.1166	0.871	0.88154	-0.010542	1
0.1333	0.787	0.79421	-0.0072066	1
0.15	0.716	0.71552	0.00047638	1
0.16	0.652	0.67219	-0.020191	1
0.1833	0.588	0.58113	0.0068661	1
0.2	0.536	0.52356	0.01244	1
0.2166	0.482	0.47199	0.010015	1
0.2333	0.443	0.42523	0.017775	1
0.25	0.401	0.3831	0.017902	1
0.2666	0.366	0.34536	0.020641	1
0.2833	0.334	0.31114	0.022856	1
0.3	0.305	0.28032	0.024681	1
0.3166	0.279	0.25271	0.026295	1
0.3333	0.257	0.22767	0.029331	1
0.4166	0.176	0.1353	0.0407	1
0.5	0.128	0.080357	0.047643	1
0.5833	0.099	0.047755	0.051245	1
0.6666	0.07	0.02838	0.04162	1
0.75	0.061	0.016855	0.044145	1
0.8333	0.051	0.010017	0.040983	1
0.9166	0.045	0.0059529	0.039047	1
1	0.038	0.0035355	0.034465	-1
1.0833	0.032	0.0021011	0.029899	1
1.1666	0.028	0.0012486	0.026751	1
1.25	0.025	0.00074159	0.024258	1
1.3333	0.022	0.00044072	0.021559	1
1.4166	0.019	0.00026191	0.018738	1
1.5	0.019	0.00015555	0.018844	1
1.5833	0.016	9.2443E-005	0.015908	1
1.6666	0.016	5.4937E-005	0.015945	1
1.75	0.012	3.2628E-005	0.011967	1
1.8333	0.009	1.939E-005	0.0089806	1
1.9166	0.012	1.1523E-005	0.011988	1
2	0.006	6.8439E-006	0.0059932	1
2.5	0.006	3.0111E-007	0.0059997	1
3	0.006	1.3248E-008	0.006	1
4	0.003	2.5646E-011	0.003	1
6	0.003	9.61E-017	0.003	1
6.5	0.003	4.2281E-018	0.003	1
7	0.003	1.8603E-019	0.003	1
7.5	0.003	8.1847E-021	0.003	1
8	0.003	3.6011E-022	0.003	1
8.5	0.003	1.5844E-023	0.003	1
9	0.003	6.9708E-025	0.003	1
9.5	0.003	3.067E-026	0.003	1

8	0.389	1.1164E-014	0.389	1
8.5	0.389	1.4322E-015	0.389	1
9	0.389	1.8373E-016	0.389	1
9.5	0.385	2.357E-017	0.385	1
10	0.385	3.0238E-018	0.385	1
12	0.392	8.19E-022	0.392	1
14	0.389	2.2183E-025	0.389	1
16	0.389	6.0082E-029	0.389	1
18	0.392	1.6273E-032	0.392	1
20	0.385	4.4077E-036	0.385	1
22	0.385	1.1938E-039	0.385	1

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

	Estimate
K =	3.6665E-003
y0 =	2.0744E+000

<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<>>

TYPE CURVE DATA

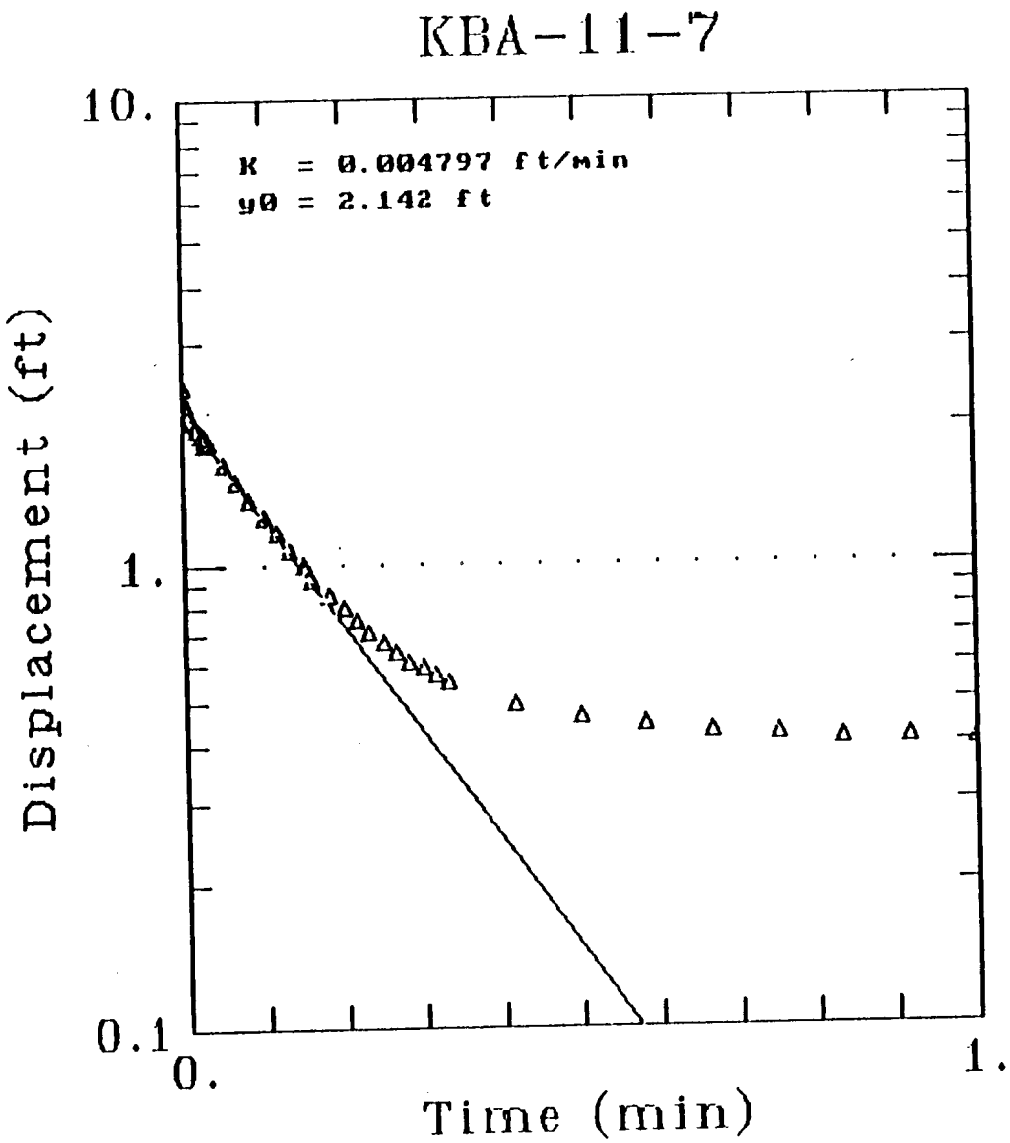
K = 3.66649E-003
y0 = 2.07436E+000

Time	Drawdown	Time	Drawdown	Time	Drawdown
0.000E+000	2.074E+000	1.000E+000	3.414E-002		

TYPE CURVE DATA

K = 4.79700E-003
y0 = 2.14200E+000

Time	Drawdown	Time	Drawdown	Time	Drawdow


KBA-11-7
K = 0.004797 ft/min
y0 = 2.142 ft
10.
1.
0.1
0.
1.
Displacement (ft)
Time (min)

PHASE I
INVESTIGATION

Hydraulic Conductivity Estimates Based on Hydrocone Data

Sample ID	Depth		Estimated Hydraulic Conductivity		
	ft BLS	ft MLW	ft/min	ft/yr	gal/day/ft^2
HC-1	11 - 12	25.65 - 24.65	3.9E-03	2.0E+03	37
HC-2	10.5 - 11.5	23.87 - 22.87	2.2E-03	1.2E+03	21
HC-3	11 - 12	23.49 - 22.49	2.5E-03	1.3E+03	24
HC-4	11 - 12	23.45 - 22.45	3.5E-03	1.8E+03	34
HC-5	11 - 12	23.59 - 22.59	6.6E-03	3.5E+03	63
HC-6A	7 - 8	25.98 - 24.98	NR	NR	NR
HC-6B	9.5 - 10.5	23.48 - 22.48	9.3E-03	4.9E+03	89
HC-6C	12.5 - 13.5	20.48 - 19.48	3.1E-03	1.6E+03	30
HC-6D	15.5 - 16.5	17.48 - 16.48	1.4E-03	7.4E+02	13
HC-7	16 - 17	18.87 -17.87	6.3E-04	3.3E+02	6.0
HC-8	16 - 17	18.53 - 17.53	6.3E-04	3.3E+02	6.0
HC-9	15.5 - 16.5	19.09 - 18.09	4.8E-05	2.5E+01	0.46
HC-10	14 - 15	20.04 - 19.04	3.9E-04	2.0E+02	3.7
HC-11	14 - 15	20.12 - 19.12	4.0E-04	2.1E+02	3.8
HC-12	16 - 17	18.74 - 17.74	3.7E-04	1.9E+02	3.5
HC-13	16 - 17	18.36 - 17.36	6.4E-04	3.4E+02	6.1
HC-14	19 - 20	13.24 - 12.24	8.0E-04	4.2E+02	7.7
HC-15A	16 - 17	15.56 - 14.56	NR	NR	NR
HC-15B	24 - 25	7.56 - 6.56	4.3E-04	2.3E+02	4.1
HC-15C	49 - 50	<17.44 - 16.44>	NR	NR	NR
HC-15D	77 - 78	<45.44 - 44.44>	2.6E-05	1.4E+01	0.25
HC-16	12 - 13	18.17 - 17.17	5.4E-04	2.8E+02	5.2
HC-17	19 - 20	9.79 - 8.79	NR	NR	NR
HC-18	16 - 17	14.16 - 13.16	2.5E-03	1.3E+03	24
HC-19	13 - 14	16.81 - 15.81	NR	NR	NR
HC-20	17 - 18	10.82 - 9.82	7.2E-04	3.8E+02	6.9
HC-21	15 - 16	14.76 - 13.76	NR	NR	NR
HC-22	16 - 17	13.38 - 12.38	3.2E-03	1.7E+03	31
HC-23	12.5 - 13.5	17.67 - 16.67	8.5E-04	4.5E+02	8.2
HC-24	13 - 14	17.00 - 16.00*	3.8E-03	2.0E+03	36
HC-25	13 - 14	15.53 - 14.53	5.6E-03	2.9E+03	54

Notes:
ft = feet
BLS = below land surface
MLW = mean low water
ft/min = feet per minute
ft/yr = feet per year
gal/day/ft^2 = gallons per day per square foot
NR = not reported because silt interfered with data collection
* elevation estimated based on topographic gradient because elevation was not reported with survey.

ICMS INVESTIGATION

Hydraulic Conductivity Estimates Based on Hydrocone Data

Sample ID	Depth (ft bgs) upper	Depth (ft bgs) lower	Depth (ft MLW) upper	Depth (ft MLW) lower	cm/sec	ft/min
11H10109	9.00	10.00	25.10	24.10	4.53E-03	8.93E-03
11H10116	16.00	17.00	18.10	17.10	4.25E-04	8.37E-04
11H10121	21.00	22.00	13.10	12.10	1.70E-03	3.35E-03
11H10210	10.00	11.00	24.70	23.70	1.18E-03	2.32E-03
11H10216	16.00	17.00	18.70	17.70	2.36E-04	4.65E-04
11H10225	25.00	26.00	9.70	8.70	6.61E-04	1.30E-03
11H10320	20.00	21.00	6.80	5.80	7.08E-04	1.39E-03
11H10330	30.00	31.00	-3.20	-4.20	1.09E-03	2.14E-03
11H10340	40.00	41.00	-13.20	-14.20	7.55E-04	1.49E-03
11H10342	42.00	43.00	-15.20	-16.20	9.91E-04	1.95E-03
11H10407	7.00	8.00	19.40	18.40	1.23E-03	2.42E-03
11H10414	14.00	15.00	12.40	11.40	1.23E-03	2.42E-03
11H10422	22.00	23.00	4.40	3.40	1.89E-03	3.72E-03
11H10430	30.00	31.00	-3.60	-4.60	1.60E-03	3.16E-03
11H10505	5.00	6.00	24.00	23.00	1.60E-03	3.16E-03
11H10517	17.00	18.00	12.00	11.00	7.08E-04	1.39E-03
11H10530	30.00	31.00	-1.00	-2.00	1.51E-03	2.98E-03
11H10545	45.00	46.00	-16.00	-17.00	7.55E-04	1.49E-03
11H10559	59.00	60.00	-30.00	-31.00	5.66E-04	1.12E-03
11H10622	22.00	23.00	11.80	10.80	1.46E-03	2.88E-03
11H10632	32.00	33.00	1.80	0.80	1.09E-03	2.14E-03
11H10642	42.00	43.00	-8.20	-9.20	9.91E-04	1.95E-03
11H10726	26.00	27.00	7.20	6.20	3.78E-04	7.44E-04
11H10728	28.00	29.00	5.20	4.20	3.30E-04	6.51E-04
11H10736	36.00	37.00	-2.80	-3.80	8.50E-04	1.67E-03
11H10822	22.00	23.00	11.20	10.20	1.60E-03	3.16E-03
11H10832	32.00	33.00	1.20	0.20	1.51E-03	2.98E-03
11H10841	41.00	42.00	-7.80	-8.80	1.04E-03	2.05E-03
11H10923	23.00	24.00	11.30	10.30	1.42E-03	2.79E-03
11H10937	37.00	38.00	-2.70	-3.70	8.97E-04	1.77E-03
11H10949	49.00	50.00	-14.70	-15.70	8.02E-04	1.58E-03
11H11014	14.00	15.00	9.80	8.80	2.27E-03	4.46E-03
11H11026	26.00	27.00	-2.20	-3.20	1.13E-03	2.23E-03
11H11039	39.00	40.00	-15.20	-16.20	8.97E-04	1.77E-03
11H11050	50.00	51.00	-26.20	-27.20	5.66E-04	1.12E-03
11H11117	17.00	18.00	6.90	5.90	3.63E-03	7.16E-03
11H11134	34.00	35.00	-10.10	-11.10	1.42E-03	2.79E-03
11H11160	60.00	61.00	-36.10	-37.10	5.66E-04	1.12E-03
11H11205	5.00	6.00	23.60	22.60	3.78E-03	7.44E-03
11H11215	15.00	16.00	13.60	12.60	2.88E-03	5.67E-03
11H11232	32.00	33.00	-3.40	-4.40	6.61E-04	1.30E-03
11H11241	41.00	42.00	-14.40	-15.40	4.25E-04	8.37E-04
11H11251	51.00	52.00	-22.40	-23.40	8.02E-04	1.58E-03
11H11325	25.00	26.00	1.00	0.00	1.46E-03	2.88E-03
11H11331	31.00	32.00	-5.10	-6.10	1.27E-03	2.51E-03
11H11442	42.00	43.00	-9.10	-10.10	1.09E-03	2.14E-03
11H11549	49.00	50.00	-25.20	-26.20	5.66E-04	1.12E-03
11H11559	59.00	60.00	-35.20	-36.20	1.04E-03	2.05E-03
11H11625	25.00	26.00	3.60	2.60	3.78E-04	7.44E-04
11H11635	35.00	36.00	-6.40	-7.40	1.13E-03	2.23E-03
11H11644	44.00	45.00	-15.40	-16.40	7.55E-04	1.49E-03
11H11726	26.00	27.00	8.00	7.00	4.25E-04	8.37E-04
11H11744	44.00	45.00	-10.00	-11.00	9.91E-04	1.95E-03
11H11756	56.00	57.00	-22.00	-23.00	6.14E-04	1.21E-03
11H11768	68.00	69.00	-34.00	-35.00	6.14E-04	1.21E-03
11H11816	16.00	17.00	9.10	8.10	9.44E-04	1.86E-03
11H11826	26.00	27.00	-0.90	-1.90	1.32E-03	2.60E-03
11H11835	35.00	36.00	-9.90	-10.90	1.13E-03	2.23E-03
11H11845	45.00	46.00	-19.90	-20.90	1.13E-03	2.23E-03
11H11855	55.00	56.00	-29.90	-30.90	6.61E-04	1.30E-03
11H11940	40.00	41.00	-12.40	-13.40	7.55E-04	1.49E-03

See notes at end of table.

Hydraulic Conductivity Estimates Based on Hydrocone Data

	Depth (ft bgs)		Depth (ft MLW)			
Sample ID	upper	lower	upper	lower	cm/sec	ft/min
11H12144	44.00	45.00	-16.90	-17.90	5.19E-04	1.02E-03
11H12153	53.00	54.00	-25.90	-26.90	3.78E-04	7.44E-04
11H12211	11.00	12.00	17.00	16.00	1.75E-03	3.44E-03
11H12309	9.00	10.00	24.50	23.50	5.43E-03	1.07E-02
11H12326	26.00	27.00	7.50	6.50	4.25E-04	8.37E-04
11H12430	30.00	31.00	3.30	3.20	8.02E-04	1.58E-03
11H12445	45.00	46.00	-11.70	-12.70	1.04E-03	2.05E-03
11H12453	53.00	54.00	-19.70	-20.70	7.08E-04	1.39E-03
11H12612	12.00	13.00	14.90	13.90	1.09E-03	2.14E-03
11H12716	16.00	17.00	13.70	12.70	2.31E-03	4.56E-03
11H12729	29.00	30.00	1.00	0.00	1.98E-03	3.91E-03
11H12740	40.00	41.00	-10.30	-11.30	1.46E-03	2.88E-03
11H12811	11.00	12.00	15.70	14.70	2.93E-03	5.77E-03
11H12853	53.00	54.00	-26.30	-27.30	1.13E-05	2.23E-05
11H13038	38.00	39.00	-12.60	-13.60	9.44E-04	1.86E-03
11H13124	24.00	25.00	3.70	2.70	1.89E-03	3.72E-03
11H13147	47.00	48.00	-19.30	-20.30	1.18E-03	2.32E-03
11H13157	57.00	58.00	29.30	30.30	1.32E-03	2.60E-03
11H13322	22.00	23.00	7.70	6.70	4.72E-04	9.30E-04
11H13331	31.00	32.00	1.30	0.30	1.13E-03	2.23E-03
11H13356	56.00	57.00	-26.30	-27.30	1.65E-04	3.25E-04
11H13535	35.00	36.00	-1.60	-2.60	8.50E-04	1.67E-03
11H13628	28.00	29.00	5.50	4.50	9.44E-04	1.86E-03
11H13642	42.00	43.00	-8.50	-9.50	8.02E-04	1.58E-03
11H13646	46.00	47.00	-12.50	-13.50	8.50E-04	1.67E-03
11H13923	23.00	24.00	11.00	10.00	1.18E-04	2.32E-04
11H14030	30.00	31.00	1.50	0.50	9.44E-04	1.86E-03
11H14035	35.00	36.00	-3.50	-4.50	8.50E-04	1.67E-03
11H14134	34.00	35.00	1.90	0.90	9.44E-04	1.86E-03
11H14138	38.00	39.00	-2.10	-3.10	1.37E-03	2.70E-03
11H14220	20.00	21.00	14.70	13.70	2.22E-03	4.37E-03
11H14229	29.00	30.00	5.70	4.70	5.66E-04	1.12E-03
11H14245	45.00	46.00	-10.30	-11.30	2.83E-04	5.58E-04
11H14333	33.00	34.00	0.50	-0.50	1.23E-03	2.42E-03
11H14342	42.00	43.00	-8.50	-9.50	1.04E-03	2.05E-03
11H14430	30.00	31.00	4.70	3.70	1.13E-03	2.23E-03
11H14546	46.00	47.00	-13.00	-14.00	8.02E-04	1.58E-03
11H14551	51.00	52.00	-18.00	-19.00	8.02E-04	1.58E-03
11H14631	31.00	32.00	2.30	1.30	7.55E-04	1.49E-03

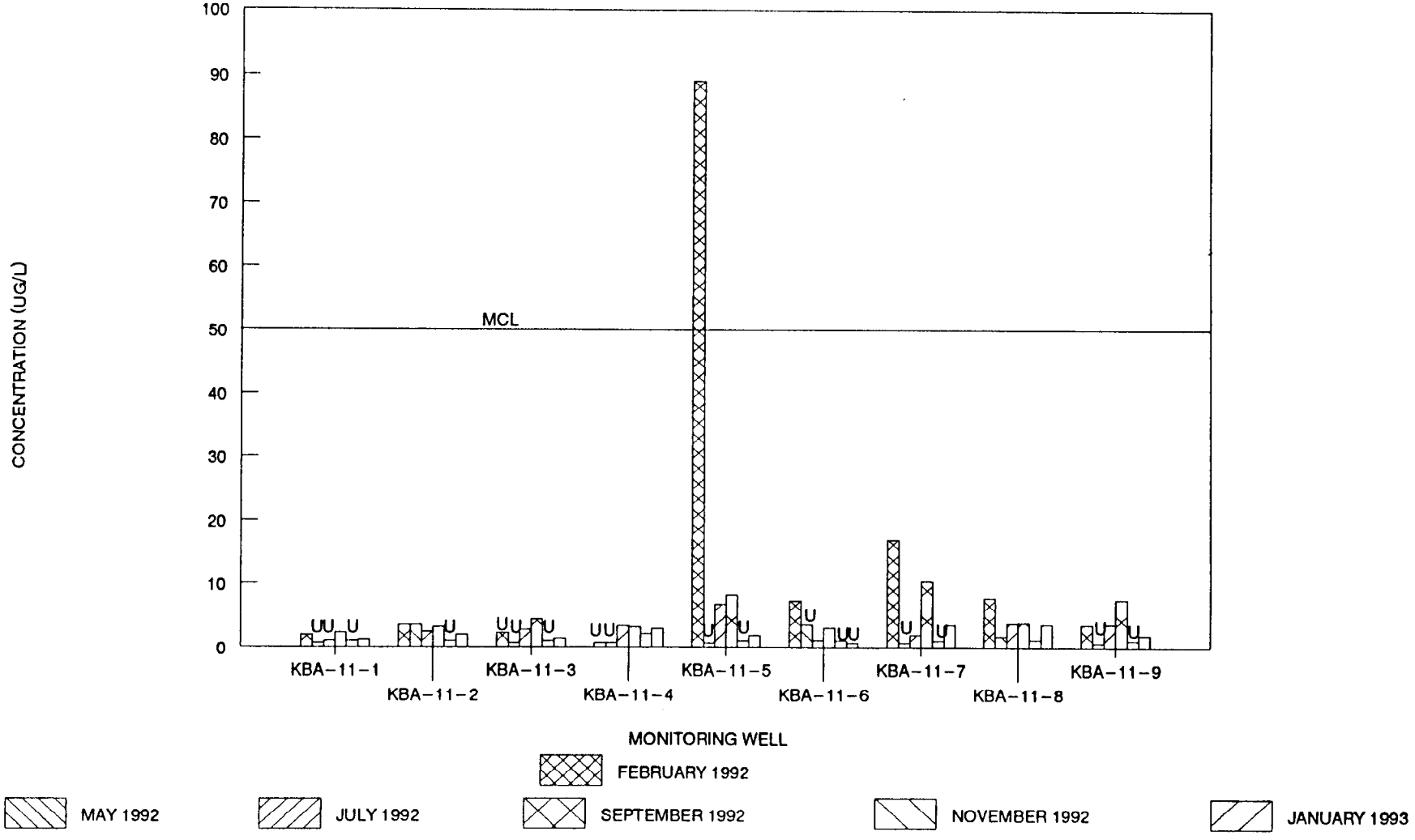
Note: Hydraulic conductivity estimates were calculated based on time lag using methods developed by Hvorslev (1951) as presented by Cedergren (1989). These estimates are similar to those obtained by rising head slug tests.

Appendix H

Bar Chart Graphics of Groundwater Inorganic Data

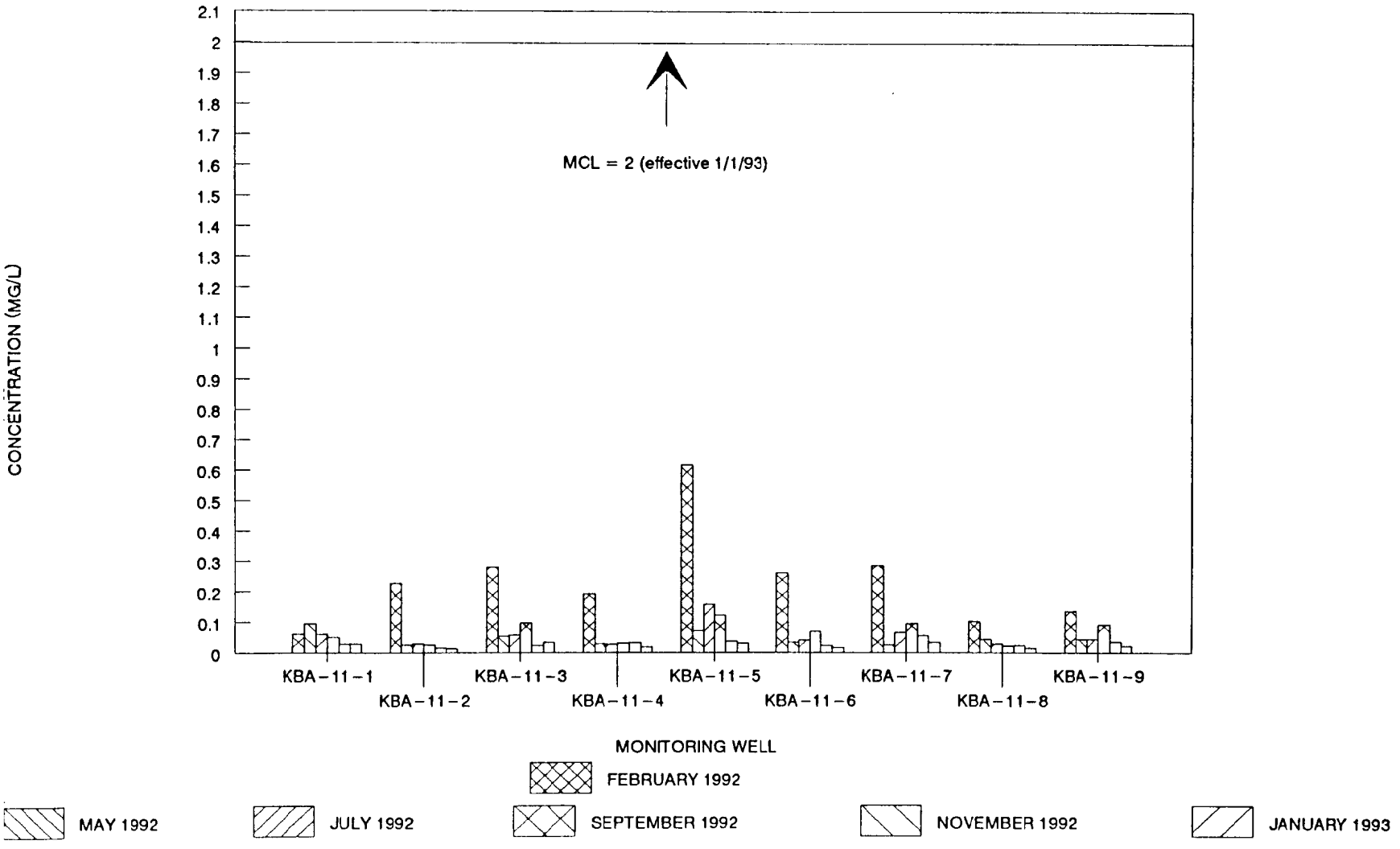
NSB KINGS BAY, GEORGIA

SITE 11 – ARSENIC IN GROUNDWATER



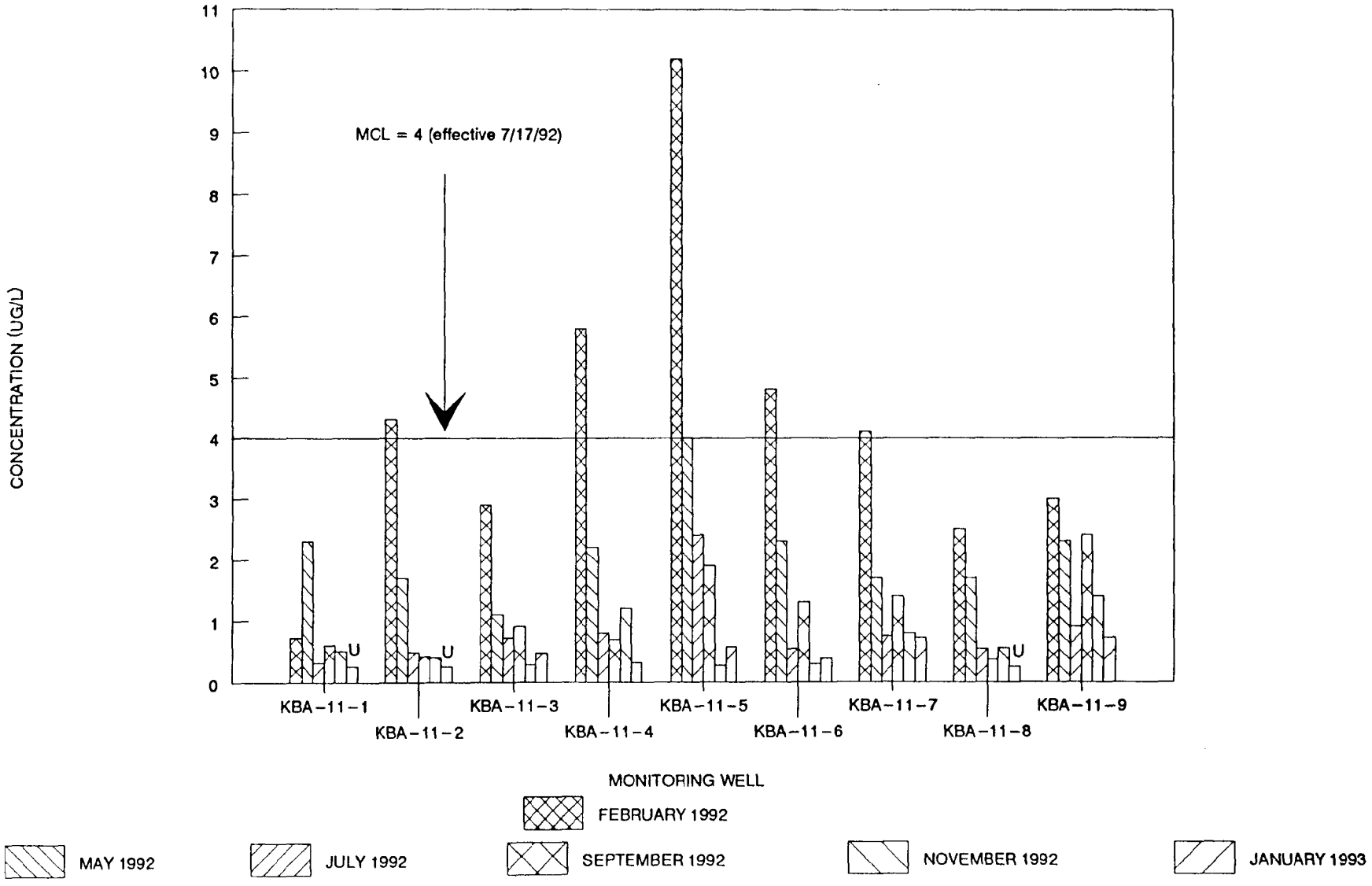
NSB KINGS BAY, GEORGIA

SITE 11 – BARIUM IN GROUNDWATER



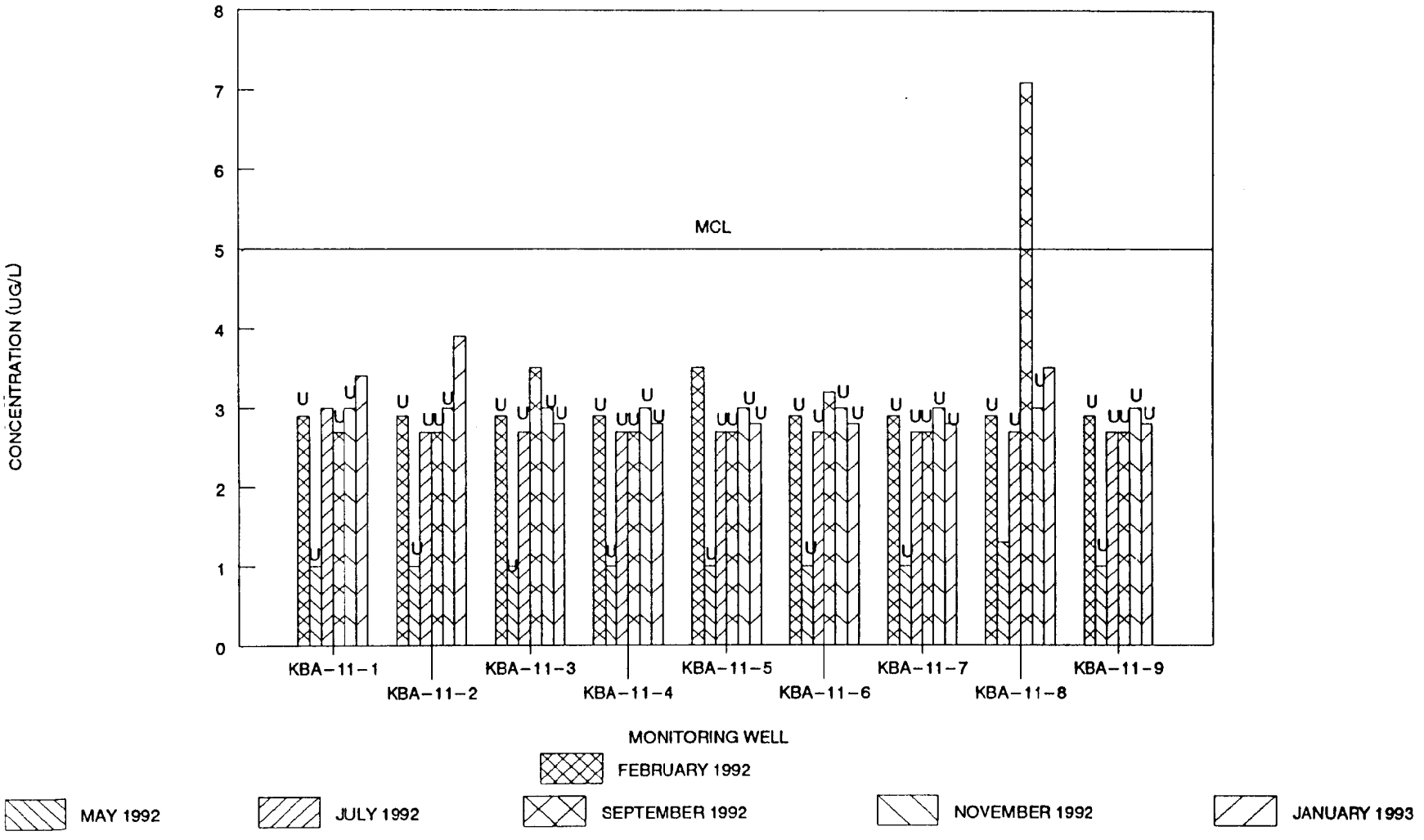
NSB KINGS BAY, GEORGIA

SITE 11 – BERYLLIUM IN GROUNDWATER



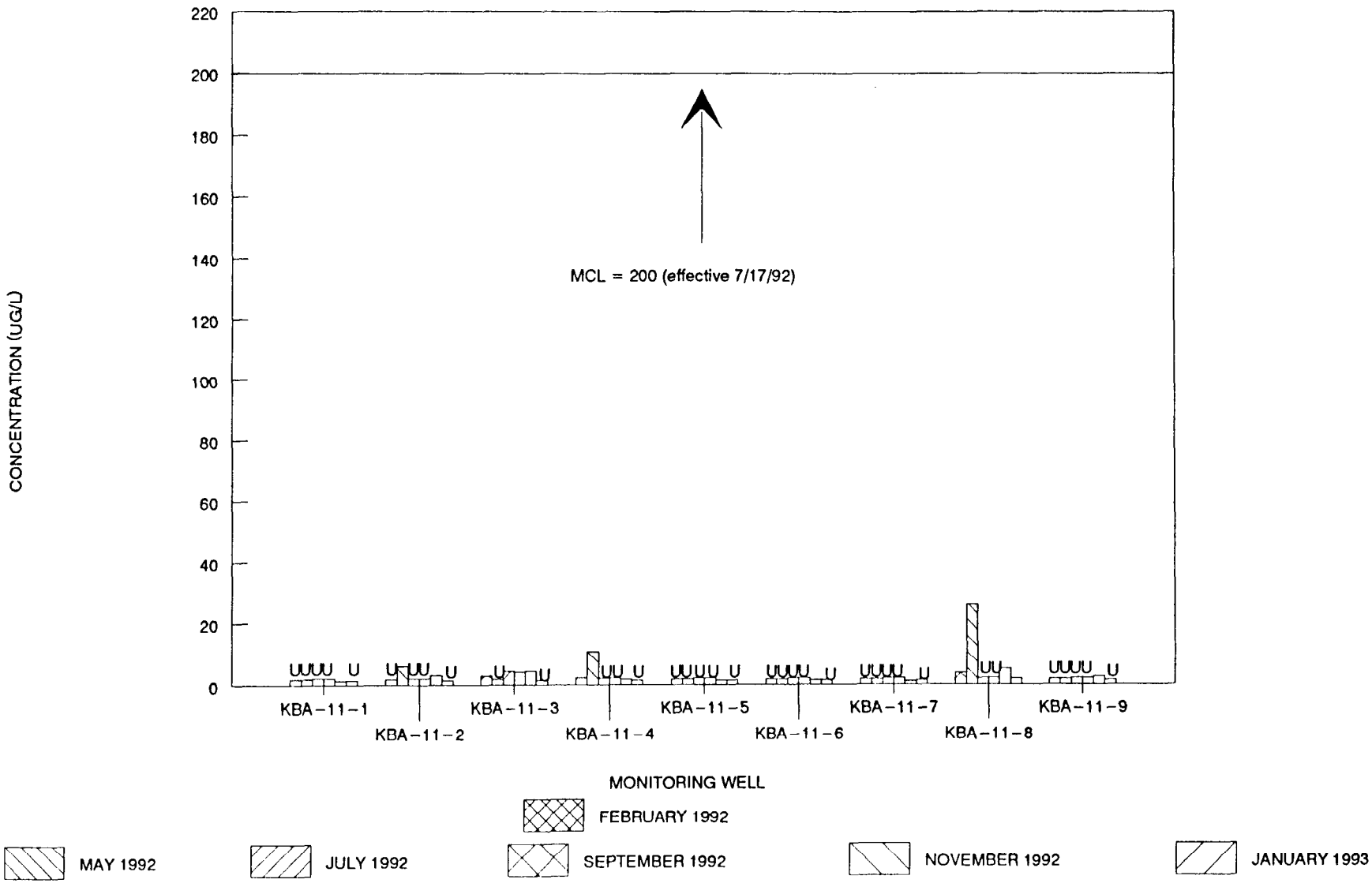
NSB KINGS BAY, GEORGIA

SITE 11 – CADMIUM IN GROUNDWATER



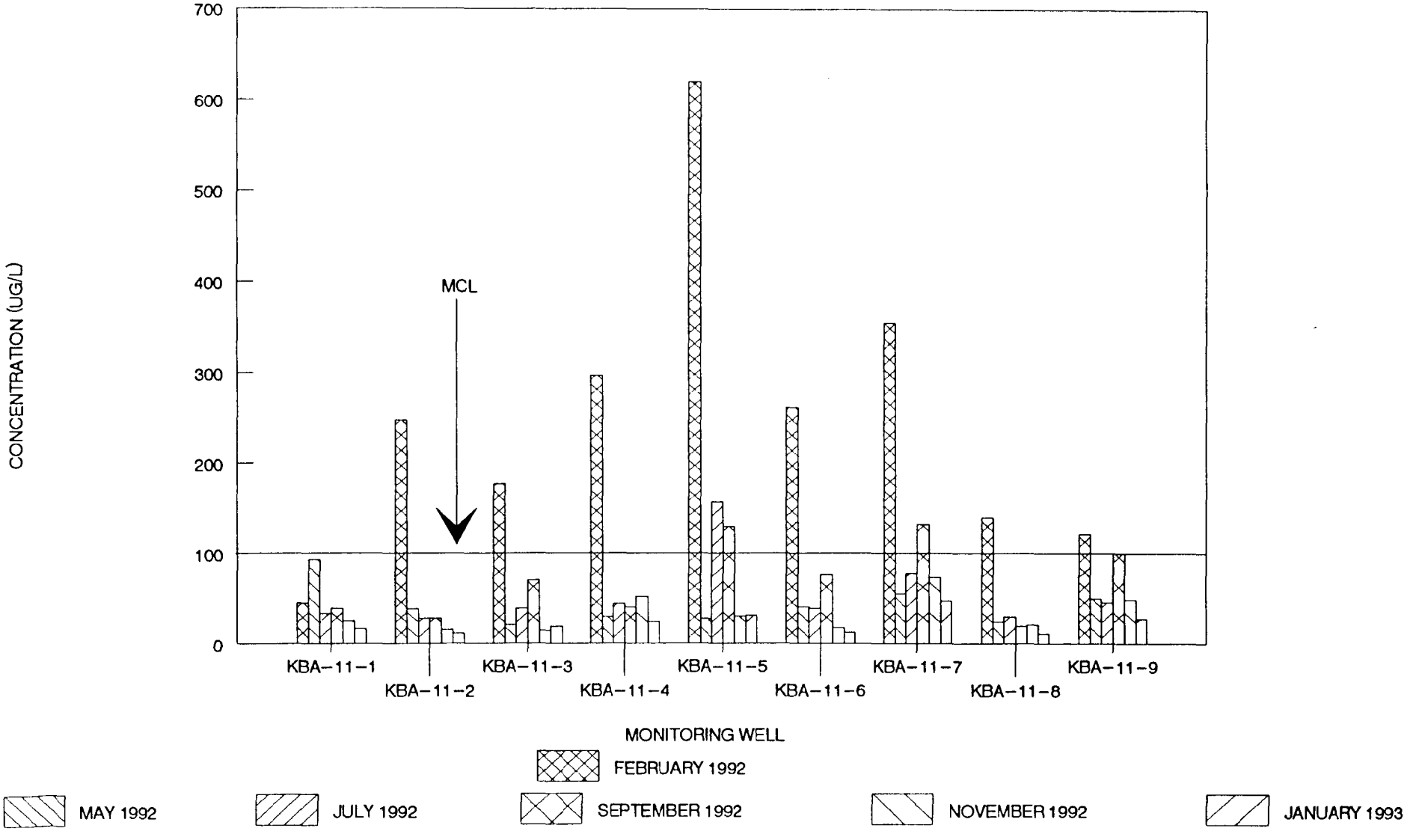
NSB KINGS BAY, GEORGIA

SITE 11 – CYANIDE IN GROUNDWATER



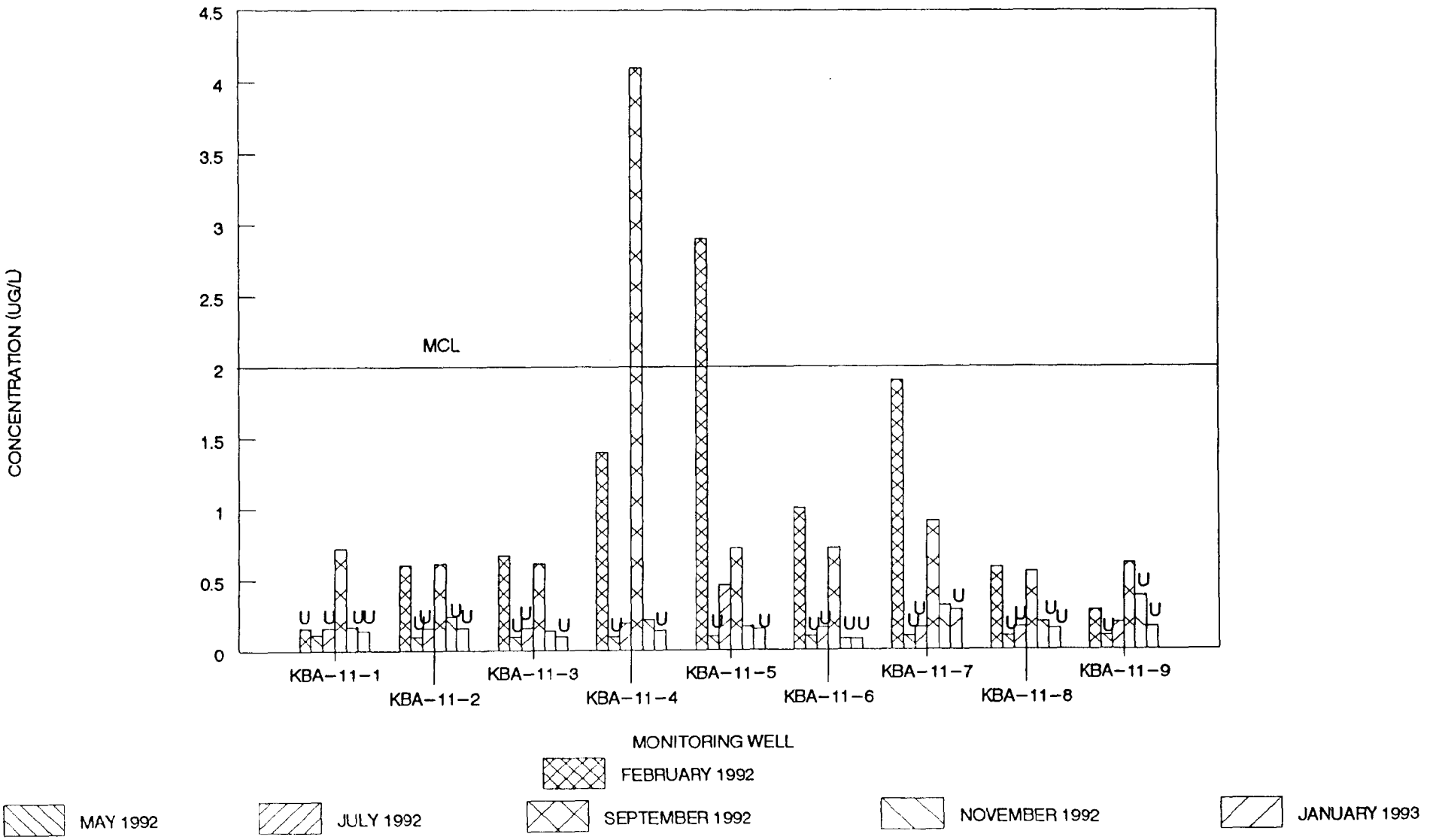
NSB KINGS BAY, GEORGIA

SITE 11 – CHROMIUM IN GROUNDWATER



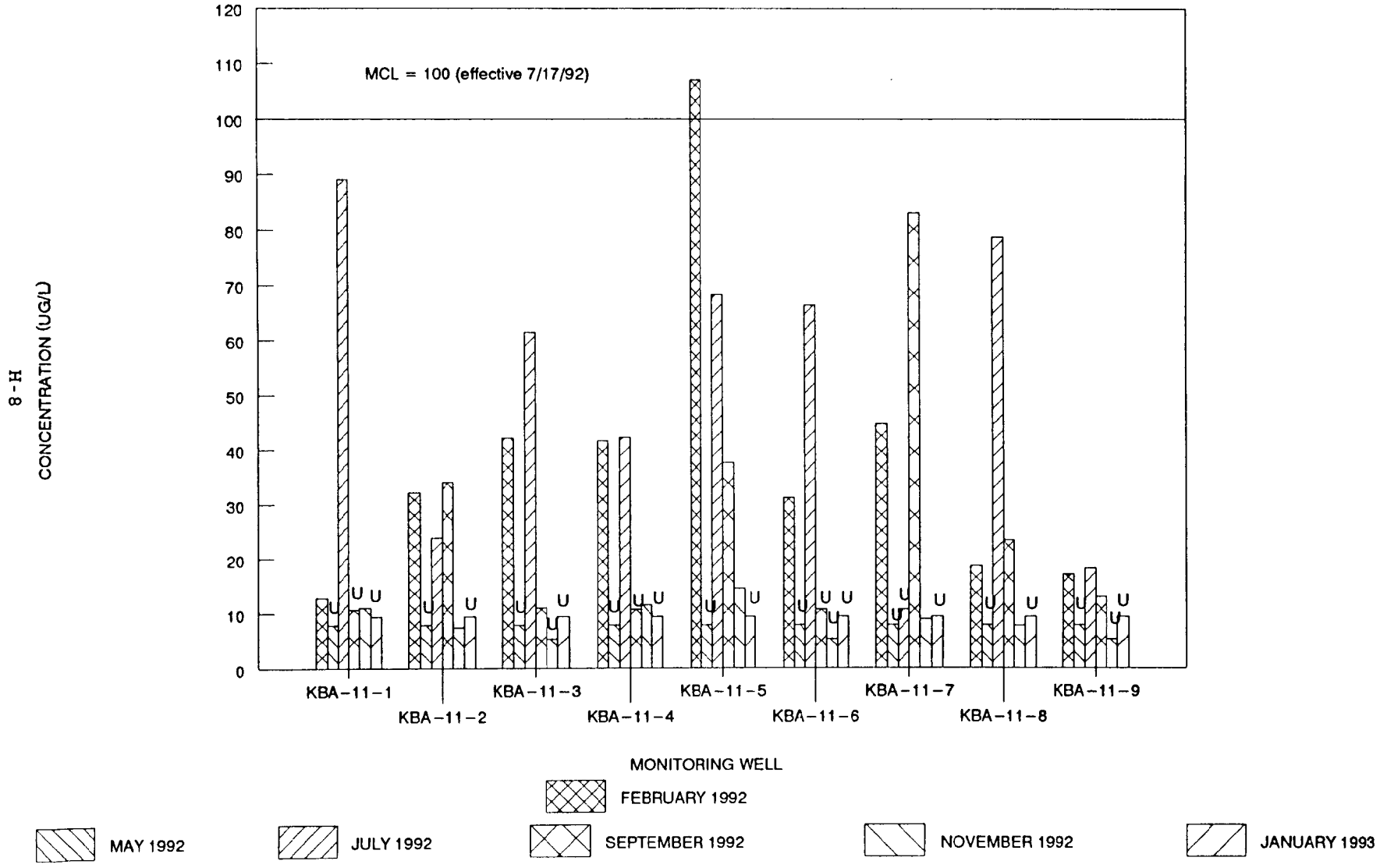
NSB KINGS BAY, GEORGIA

SITE 11 – MERCURY IN GROUNDWATER



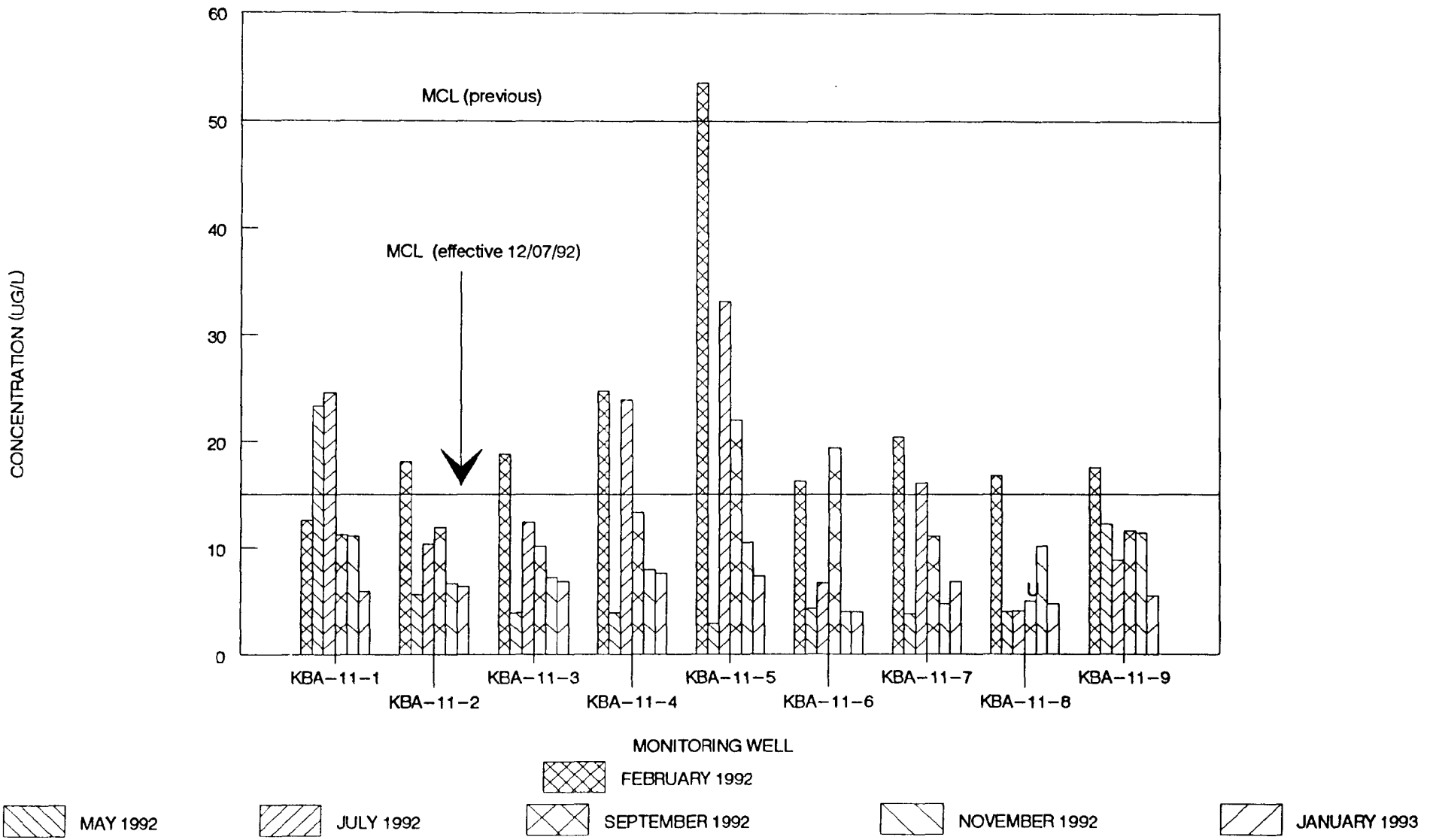
NSB KINGS BAY, GEORGIA

SITE 11 – NICKEL IN GROUNDWATER



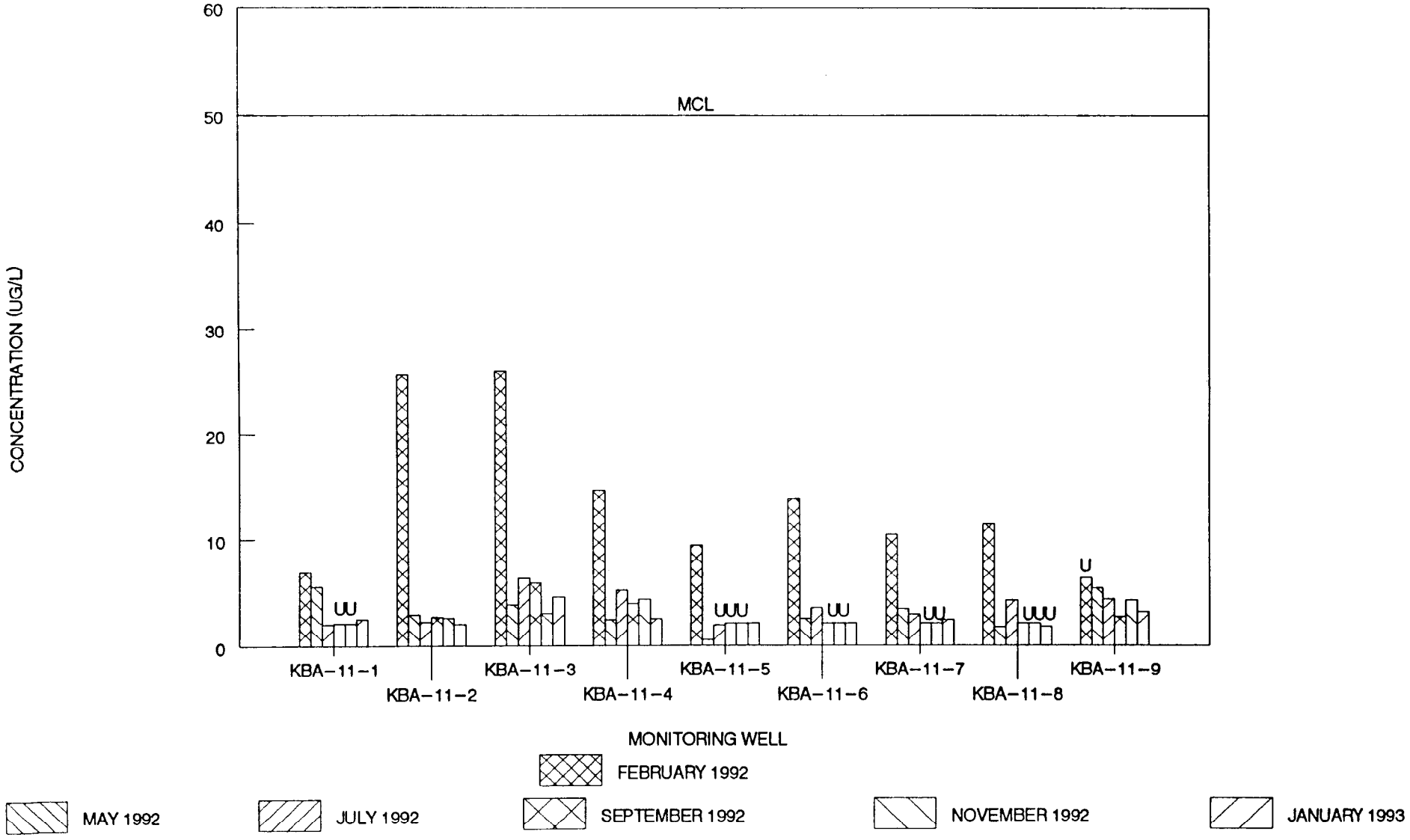
NSB KINGS BAY, GEORGIA

SITE 11 – LEAD IN GROUNDWATER



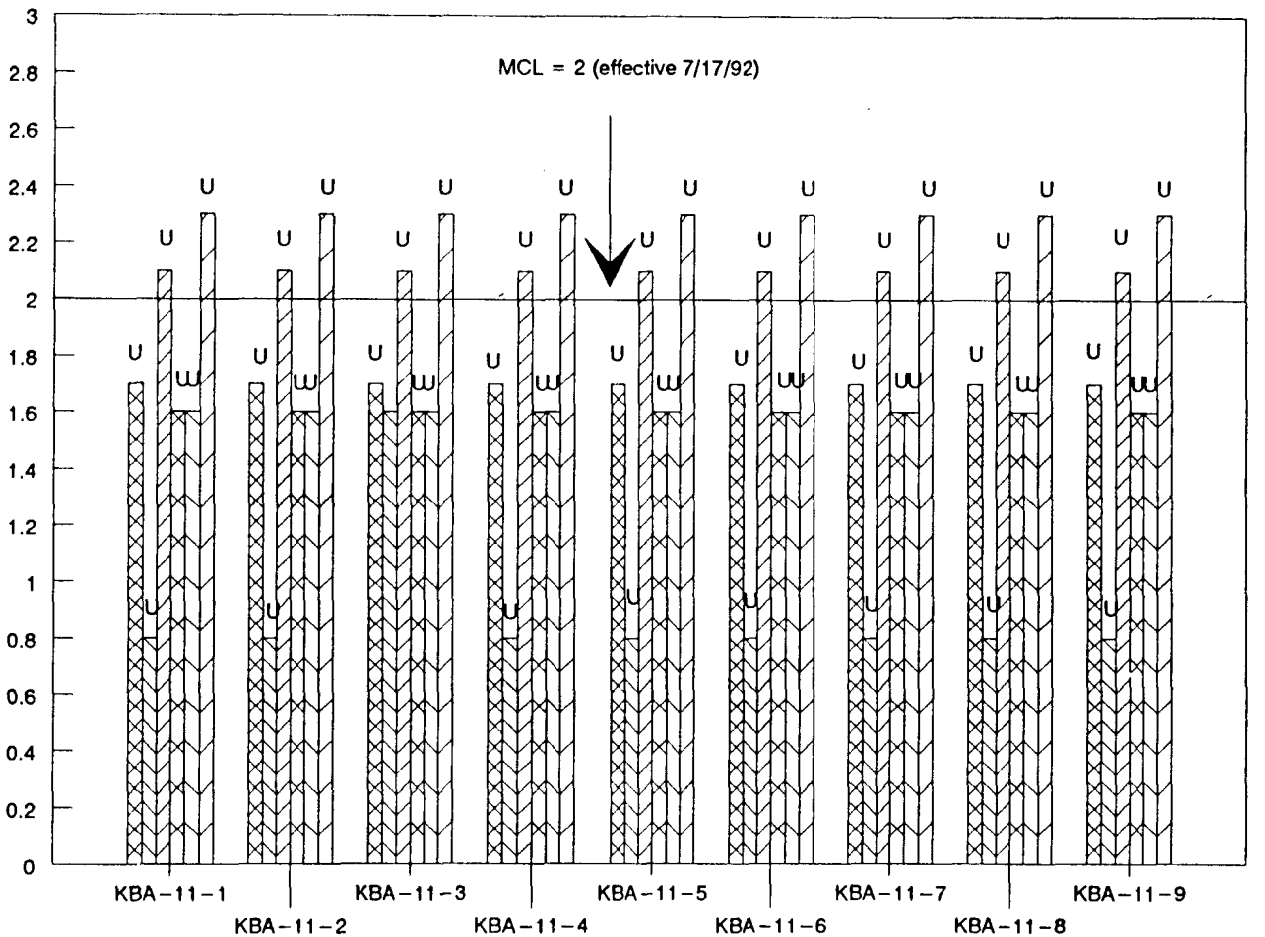
NSB KINGS BAY, GEORGIA

SITE 11 – SELENIUM IN GROUNDWATER



NSB KINGS BAY, GEORGIA

SITE 11 – THALLIUM IN GROUNDWATER



FEBRUARY 1992

MAY 1992 JULY 1992 SEPTEMBER 1992 NOVEMBER 1992 JANUARY 1993

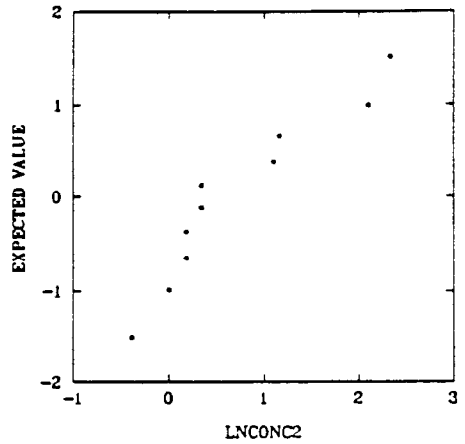
Appendix I

Normal Probability Plots of Log-Transformed Data

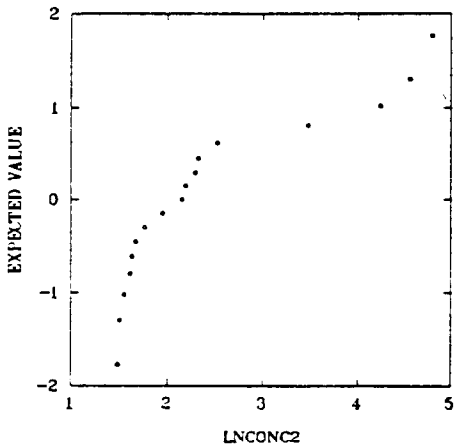
Normal Probability Plots of Log-Transformed Data

Note: Graphs are arranged alphabetically (with "Total Dissolved Solids" sorted as TDS and "Total Suspended Solids" as TSS). Only "hits" are graphed. Any missing graphs indicate that there were too few samples to plot.

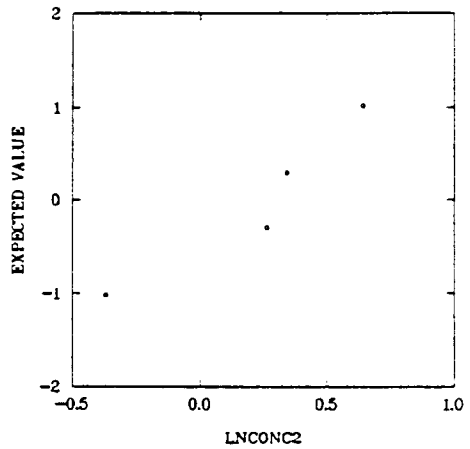
Down-Gradient, Filtered: ARSENIC



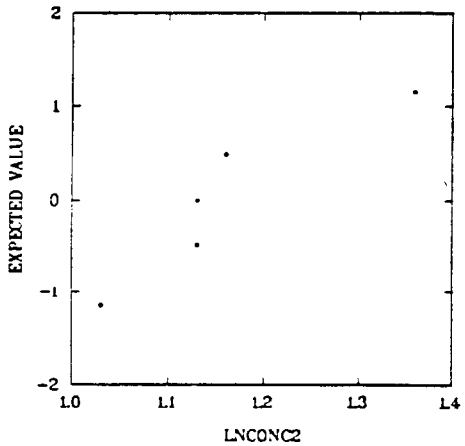
Down-Gradient, Filtered: BARIUM



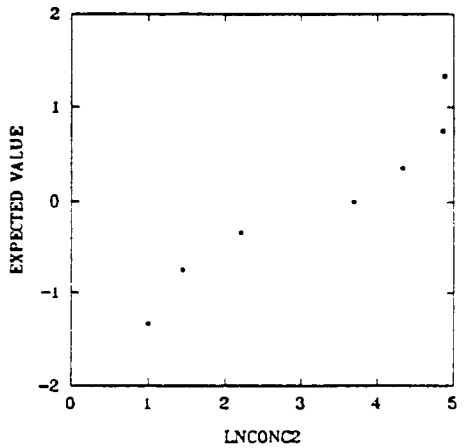
Down-Gradient, Filtered: BERYLLIUM



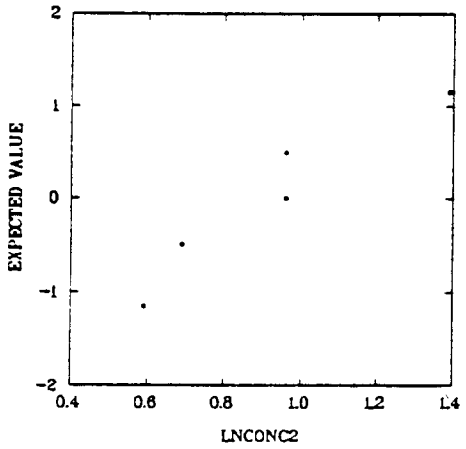
Down-Gradient, Filtered: CADMIUM



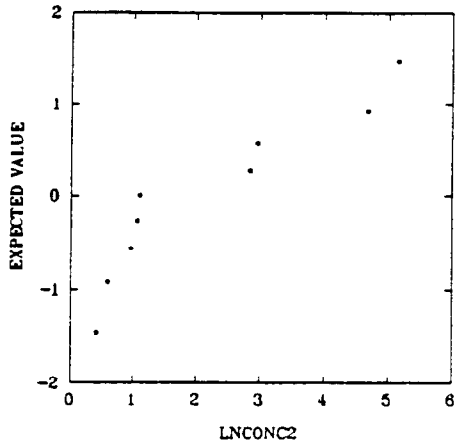
Down-Gradient, Filtered: CHROMIUM



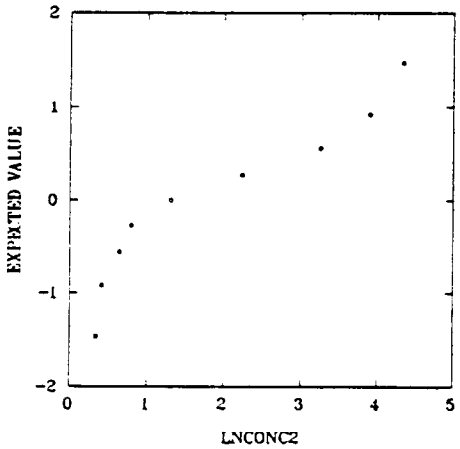
Down-Gradient, Filtered: COBALT



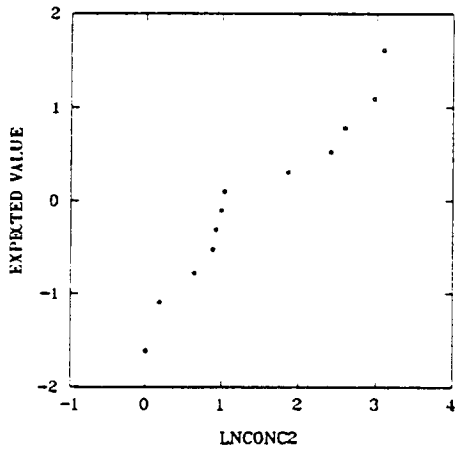
Down-Gradient, Filtered: COPPER



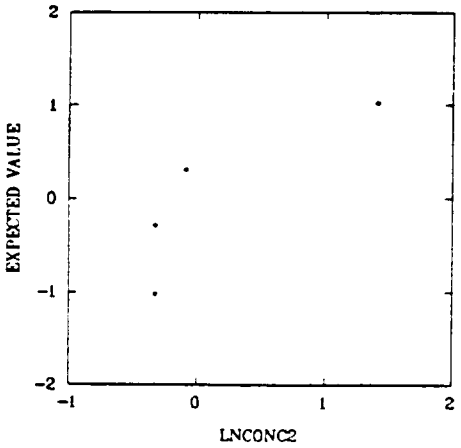
Down-Gradient, Filtered: CYANIDE



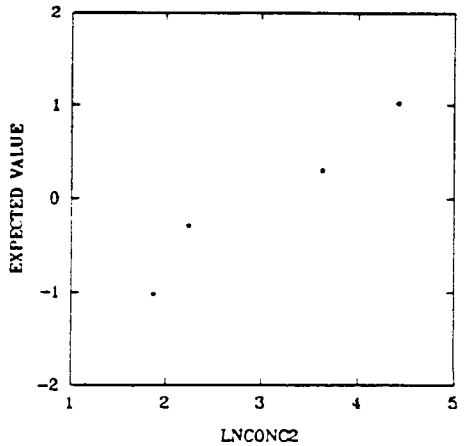
Down-Gradient, Filtered: LEAD



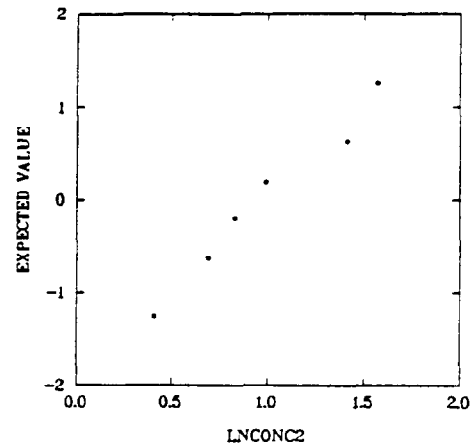
Down-Gradient, Filtered: MERCURY



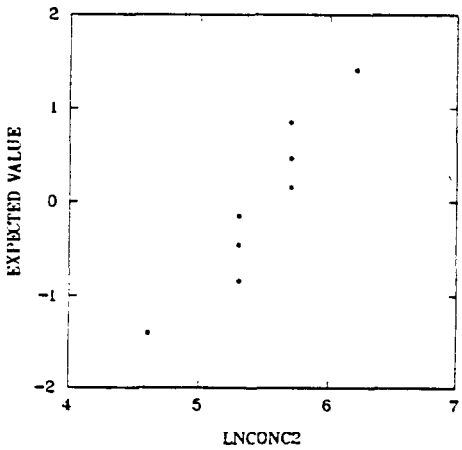
Down-Gradient, Filtered: NICKEL



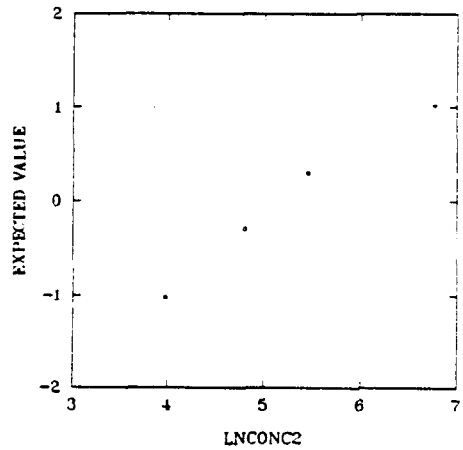
Down-Gradient, Filtered: SILVER



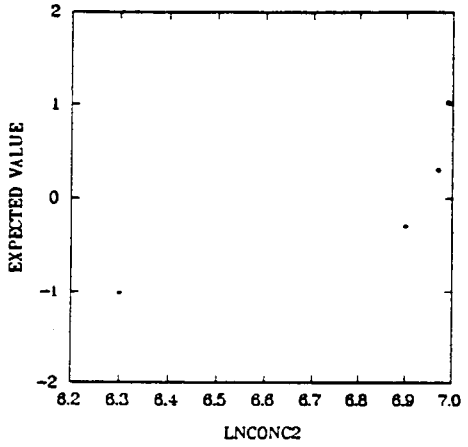
Down-Gradient, Filtered: SULFIDE



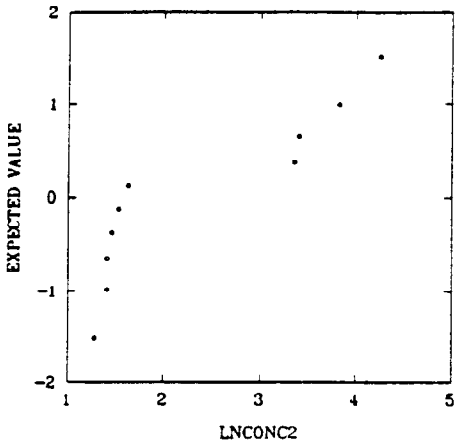
Down-Gradient, Filtered: TOTAL DISSOLVED SOLIDS



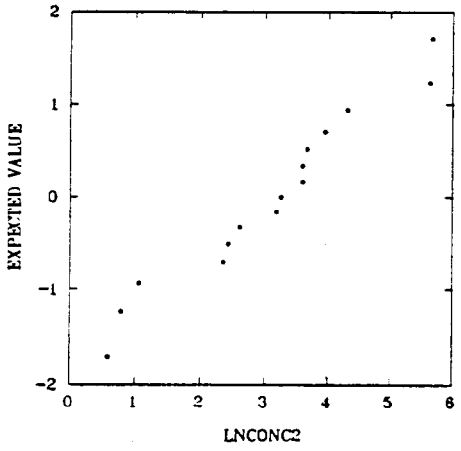
Down-Gradient, Filtered: TOTAL SUSPENDED SOLIDS



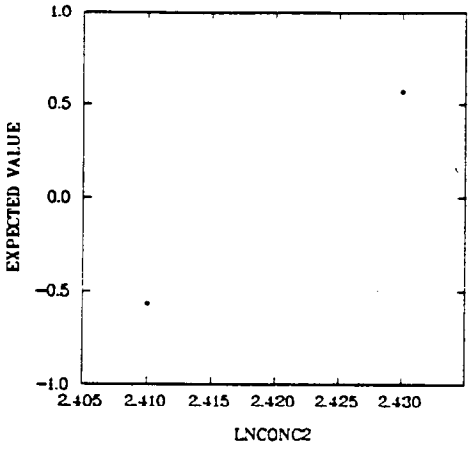
Down-Gradient, Filtered: VANADIUM



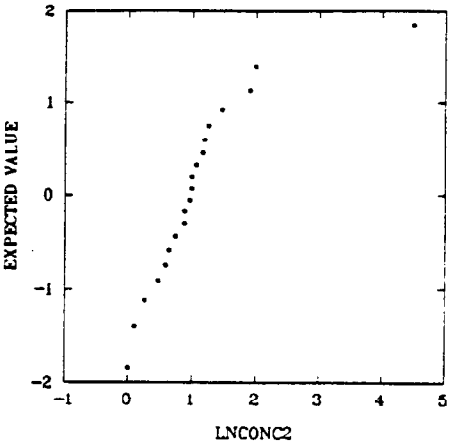
Down-Gradient, Filtered: ZINC



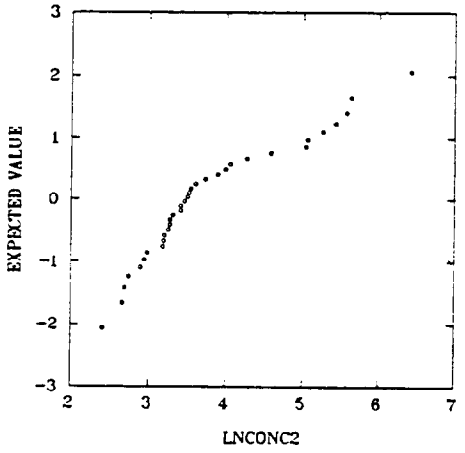
Down-Gradient, Unfiltered: ANTIMONY



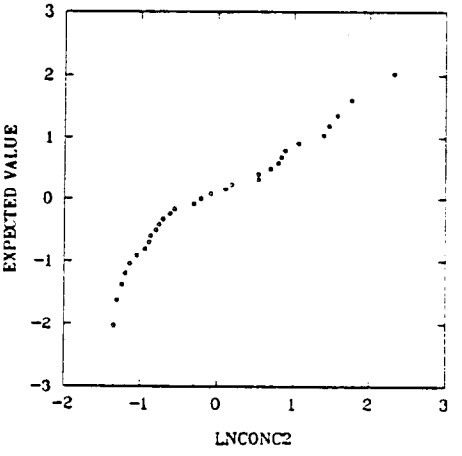
Down-Gradient, Unfiltered: ARSENIC



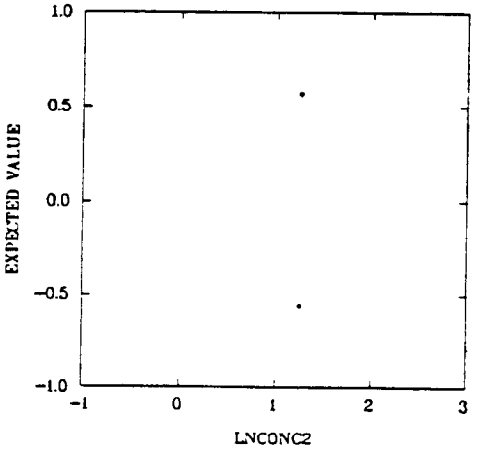
Down-Gradient, Unfiltered: BARIUM



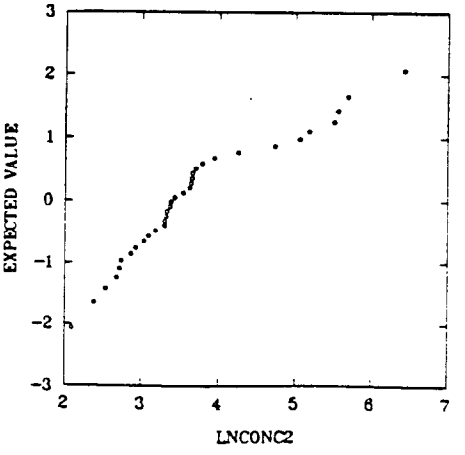
Down-Gradient, Unfiltered: BERYLLIUM



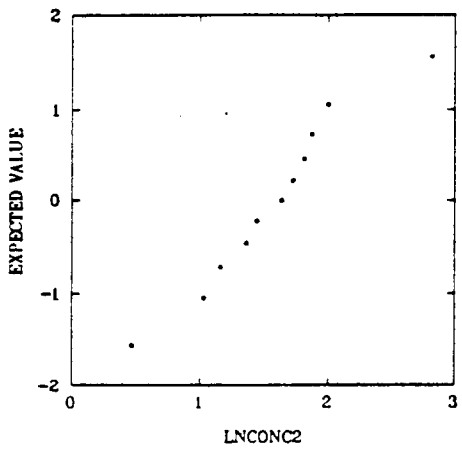
Down-Gradient, Unfiltered: CADMIUM



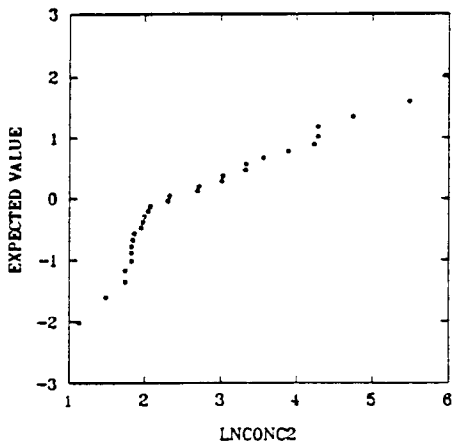
Down-Gradient, Unfiltered: CHROMIUM



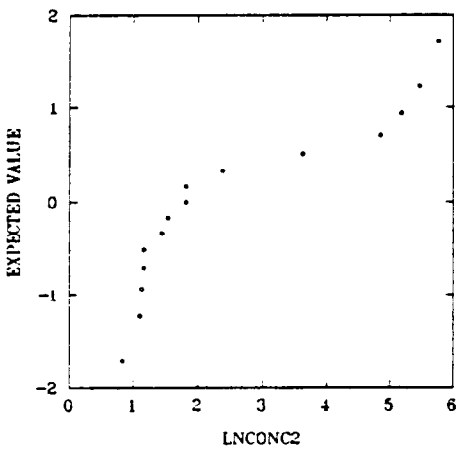
Down-Gradient, Unfiltered: COBALT



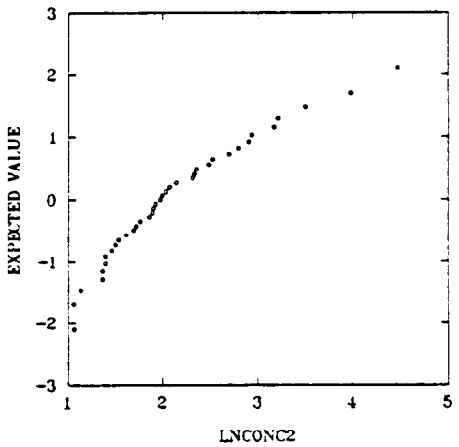
Down-Gradient, Unfiltered: COPPER



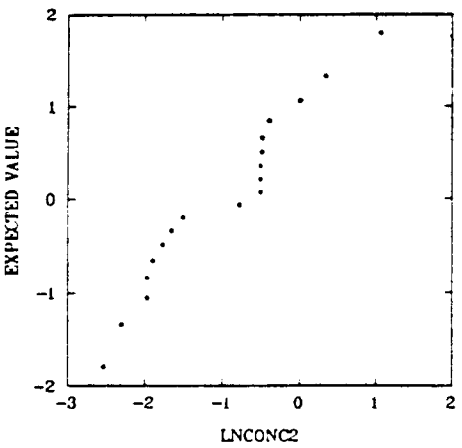
Down-Gradient, Unfiltered: CYANIDE



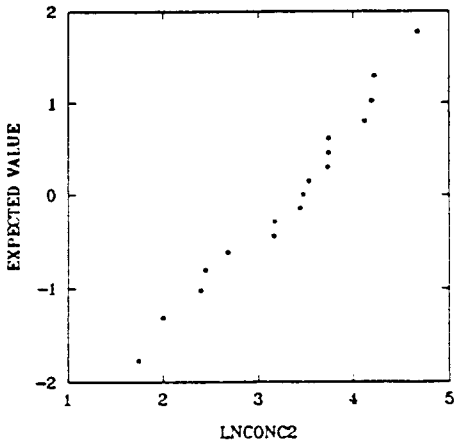
Down-Gradient, Unfiltered: LEAD



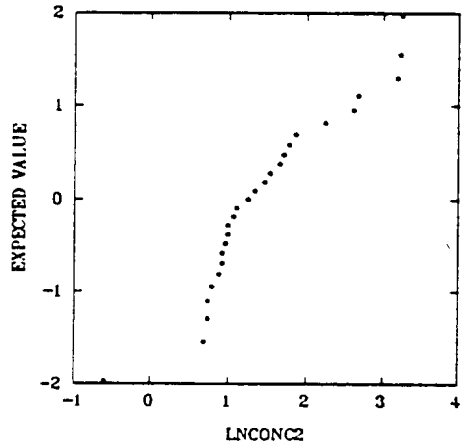
Down-Gradient, Unfiltered: MERCURY



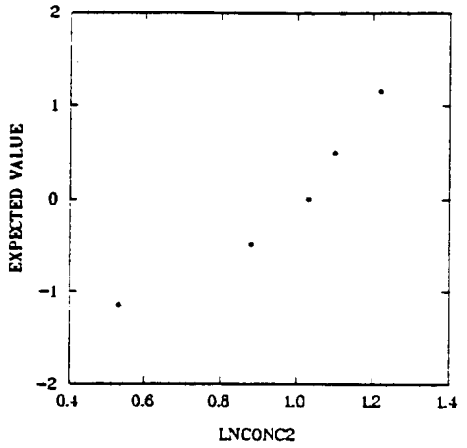
Down-Gradient, Unfiltered: NICKEL



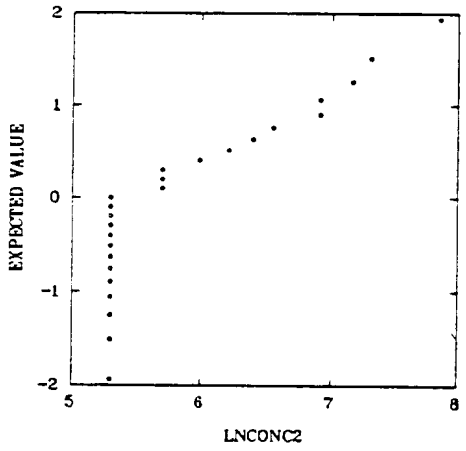
Down-Gradient, Unfiltered: SELENIUM



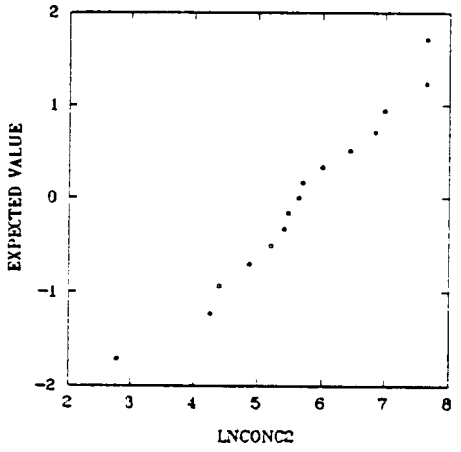
Down-Gradient, Unfiltered: SILVER



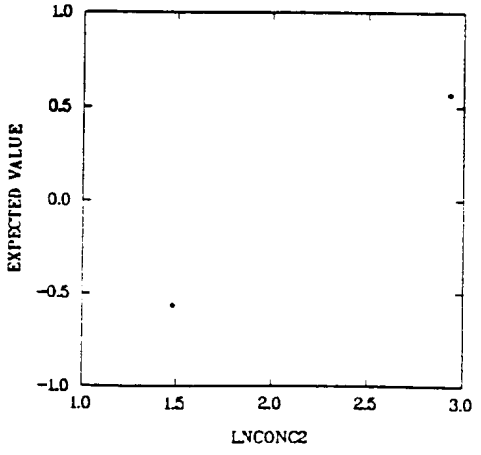
Down-Gradient, Unfiltered: SULFIDE



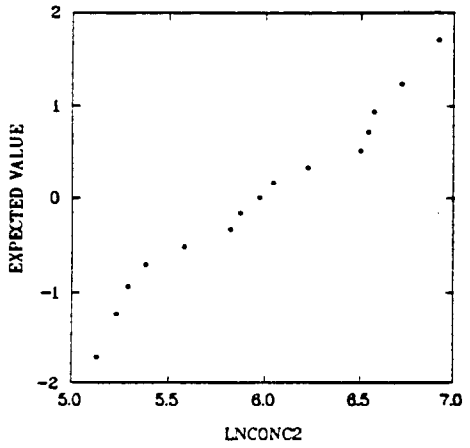
Down-Gradient, Unfiltered: TOTAL DISSOLVED SOLIDS



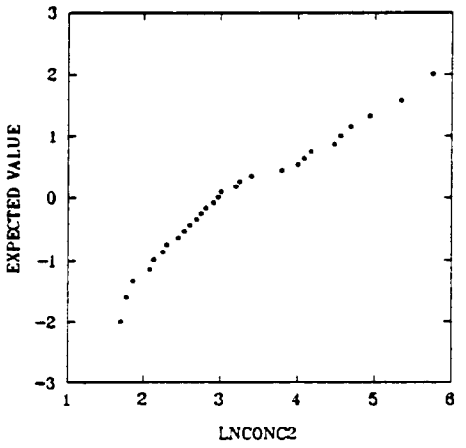
Down-Gradient, Unfiltered: TIN



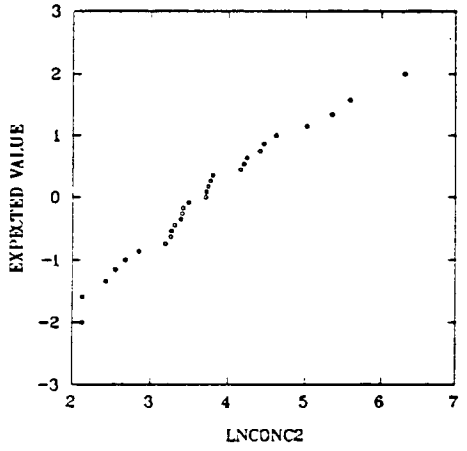
Down-Gradient, Unfiltered: TOTAL SUSPENDED SOLIDS



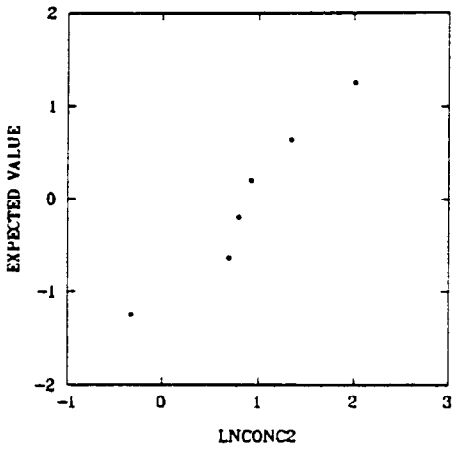
Down-Gradient, Unfiltered: VANADIUM



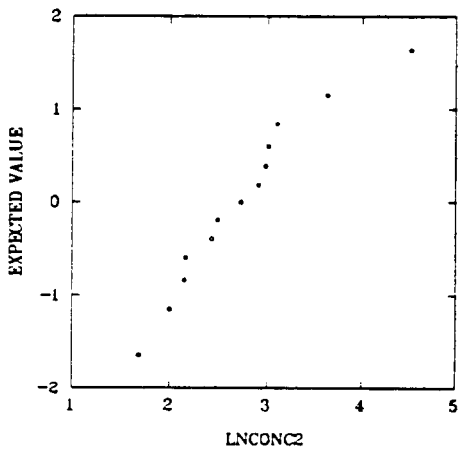
Down-Gradient, Unfiltered: ZINC



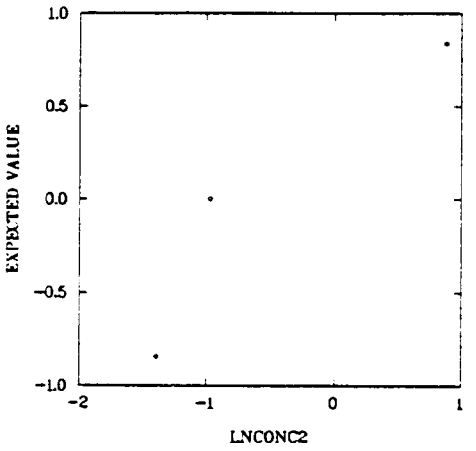
Up–Gradient, Filtered: ARSENIC



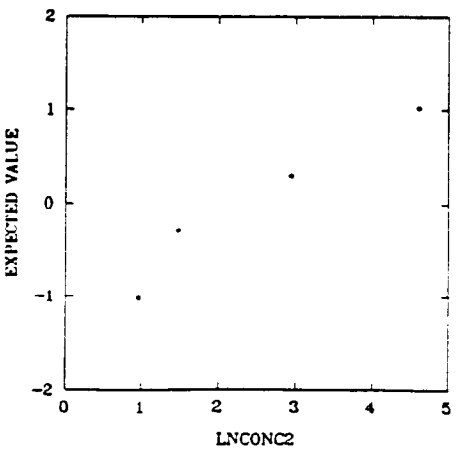
Up–Gradient, Filtered: BARIUM



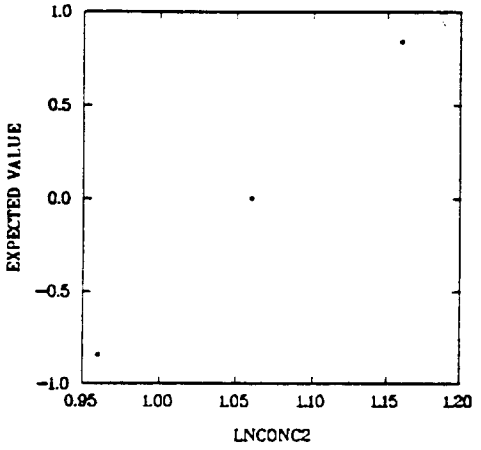
Up–Gradient, Filtered: BERYLLIUM



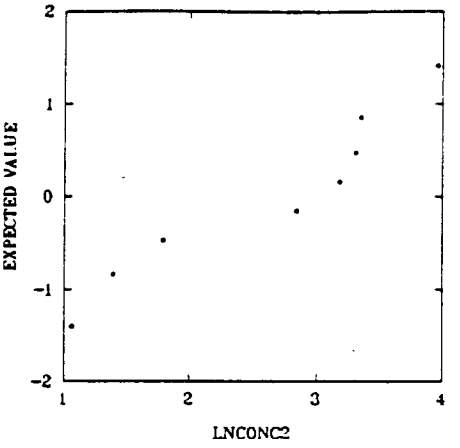
Up–Gradient, Filtered: CHROMIUM



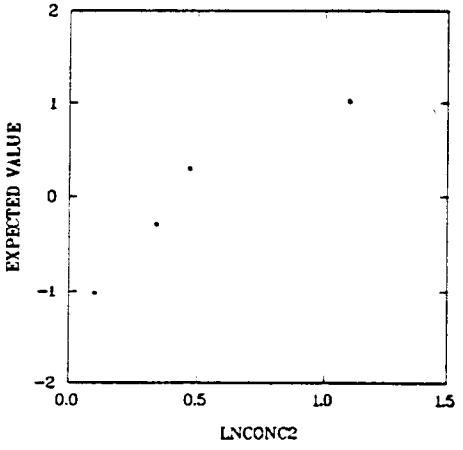
Up-Gradient, Filtered: COBALT



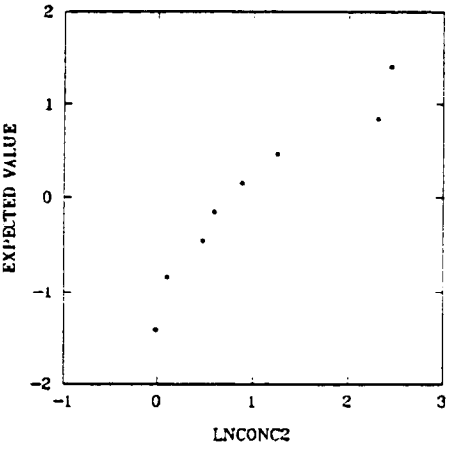
Up-Gradient, Filtered: COPPER



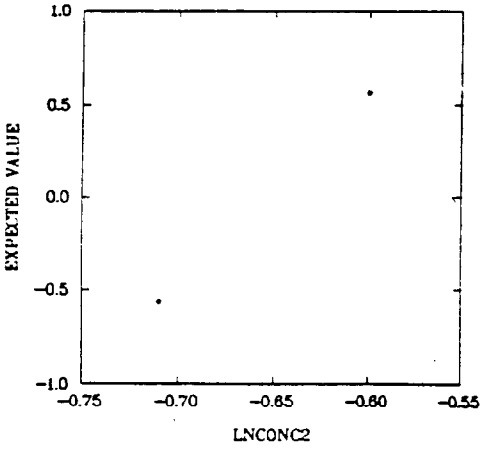
Up-Gradient, Filtered: CYANIDE



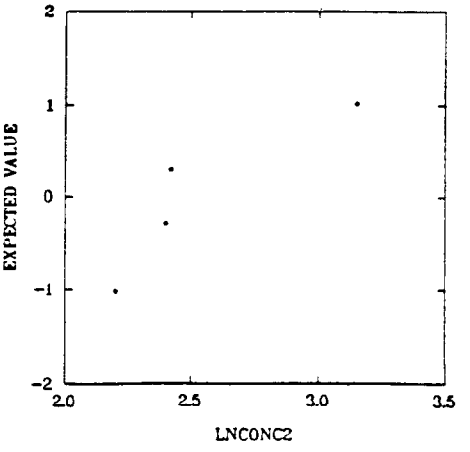
Up-Gradient, Filtered: LEAD



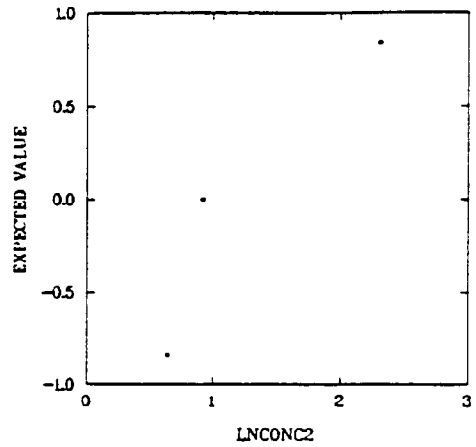
Up-Gradient, Filtered: MERCURY



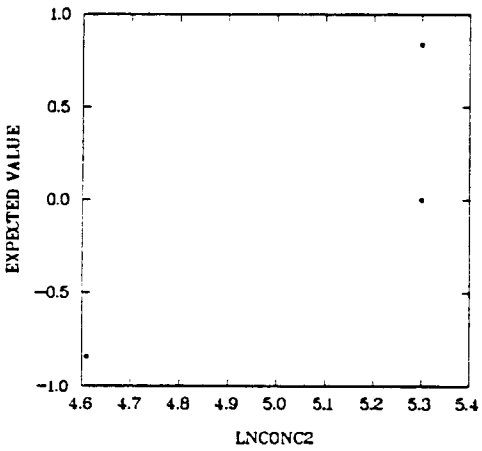
Up-Gradient, Filtered: NICKEL



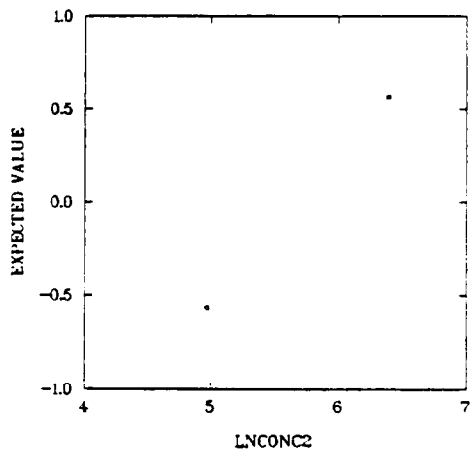
Up-Gradient, Filtered: SILVER



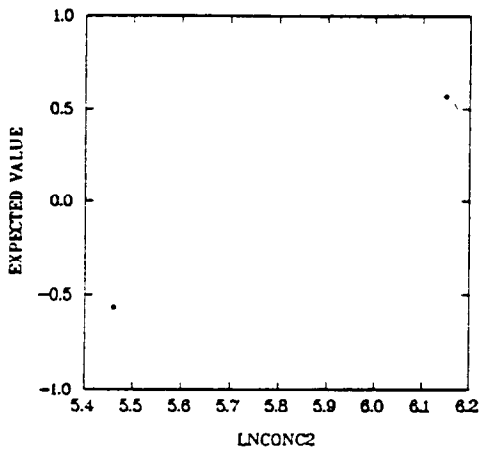
Up-Gradient, Filtered: SULFIDE



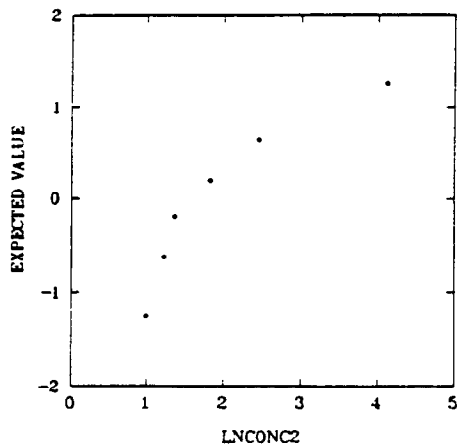
Up-Gradient, Filtered: TOTAL DISSOLVED SOLIDS



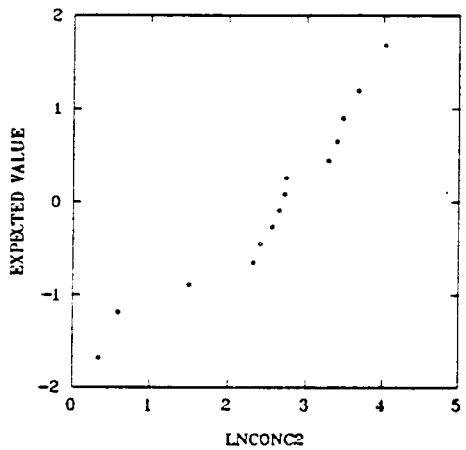
Up-Gradient, Filtered: TOTAL SUSPENDED SOLIDS



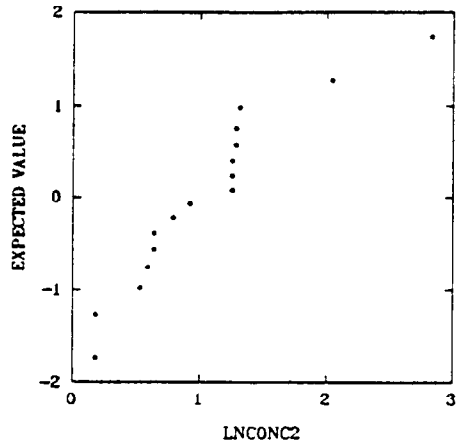
Up-Gradient, Filtered: VANADIUM



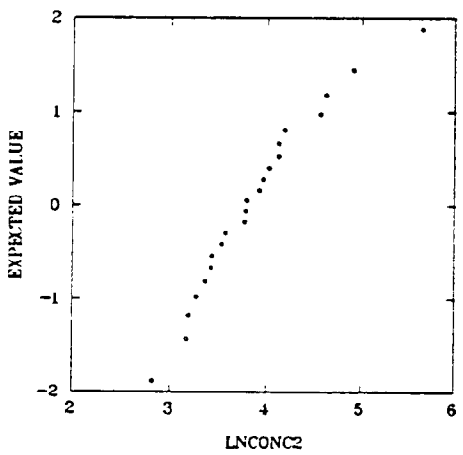
Up-Gradient, Filtered: ZINC



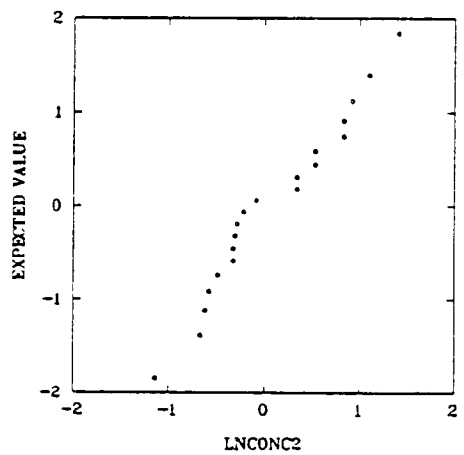
Up-Gradient, Unfiltered: ARSENIC



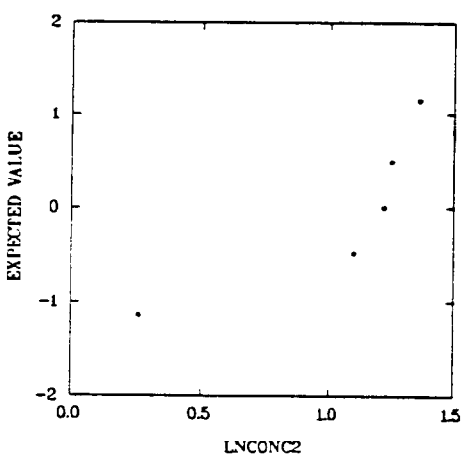
Up-Gradient, Unfiltered: BARIUM



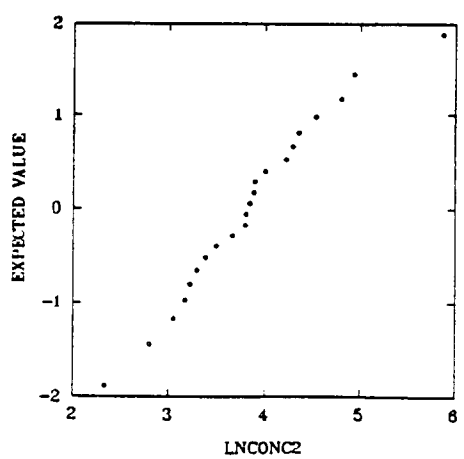
Up-Gradient, Unfiltered: BERYLLIUM



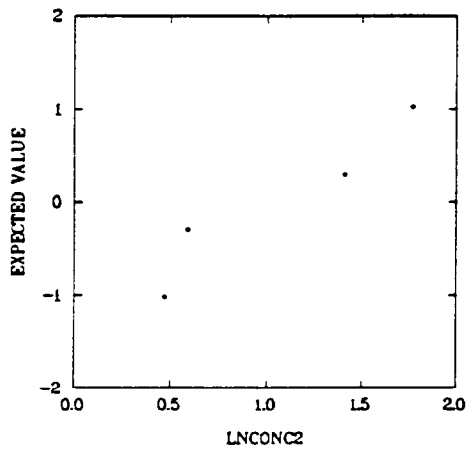
Up-Gradient, Unfiltered: CADMIUM



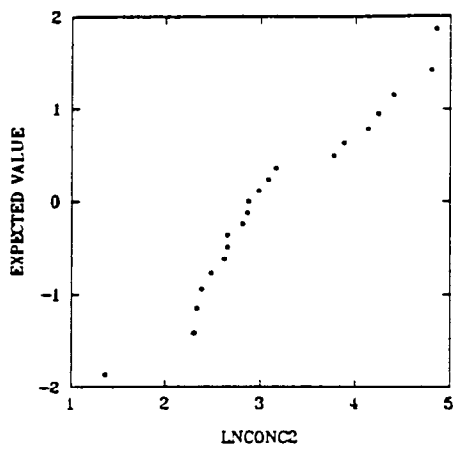
Up-Gradient, Unfiltered: CHROMIUM



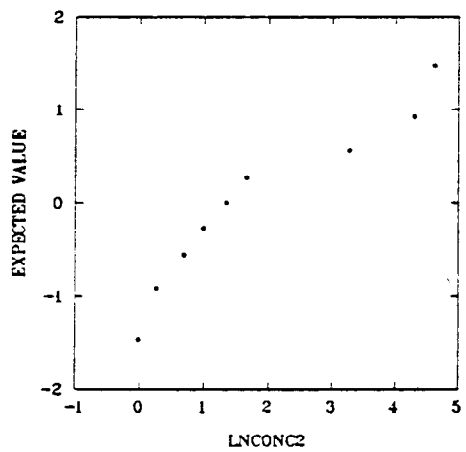
Up-Gradient, Unfiltered: COBALT



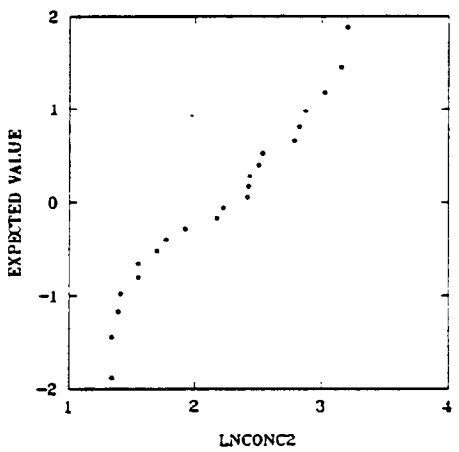
Up-Gradient, Unfiltered: COPPER



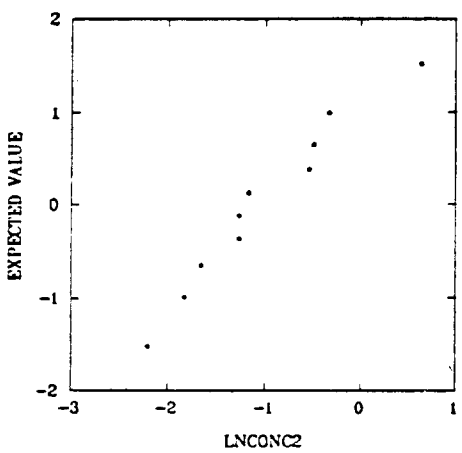
Up-Gradient, Unfiltered: CYANIDE



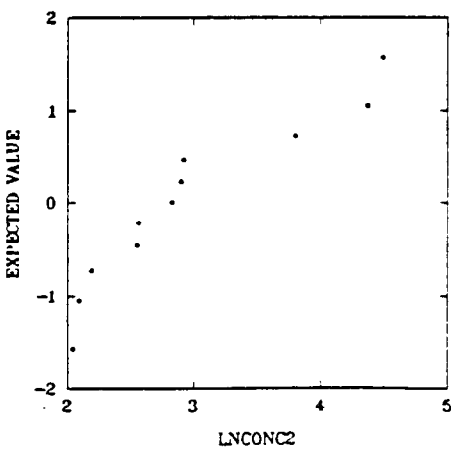
Up-Gradient, Unfiltered: LEAD



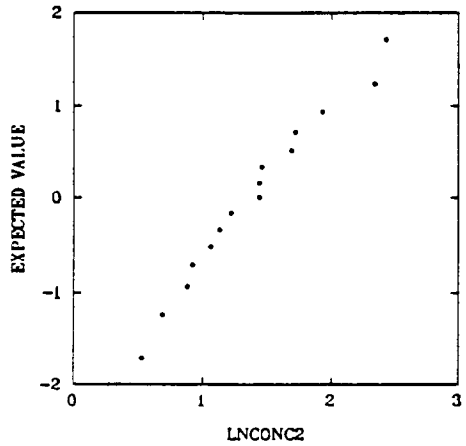
Up-Gradient, Unfiltered: MERCURY



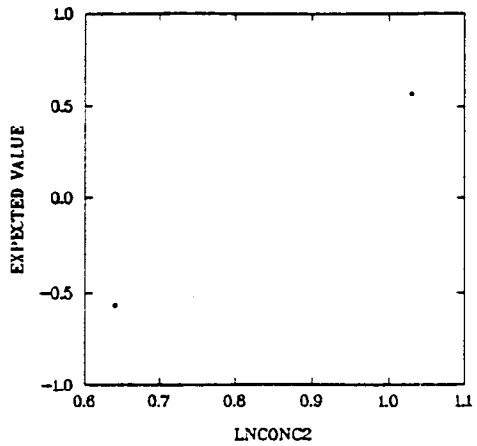
Up-Gradient, Unfiltered: NICKEL



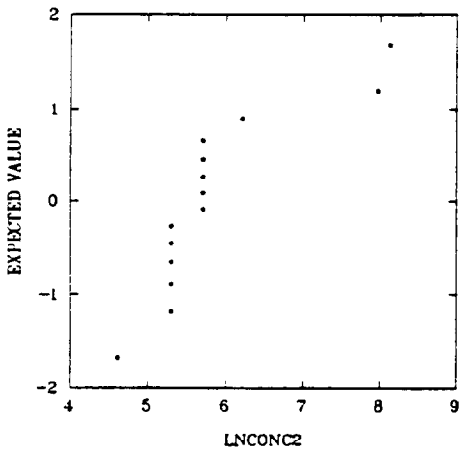
Up-Gradient, Unfiltered: SELENIUM



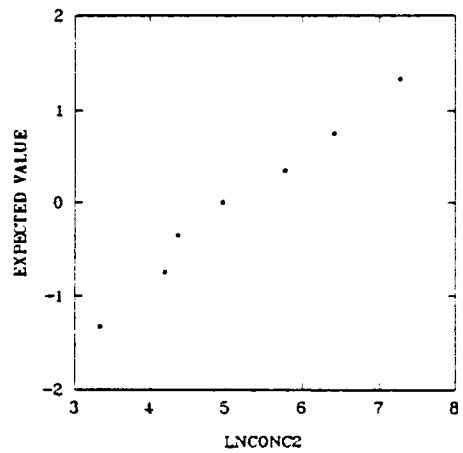
Up-Gradient, Unfiltered: SILVER



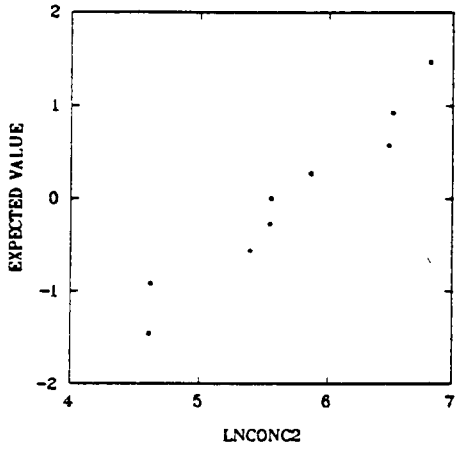
Up-Gradient, Unfiltered: SULFIDE



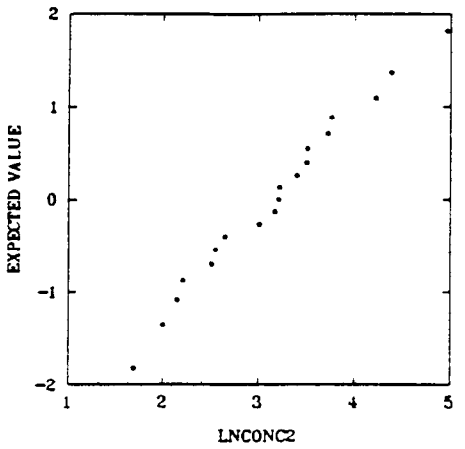
Up-Gradient, Unfiltered: TOTAL DISSOLVED SOLIDS



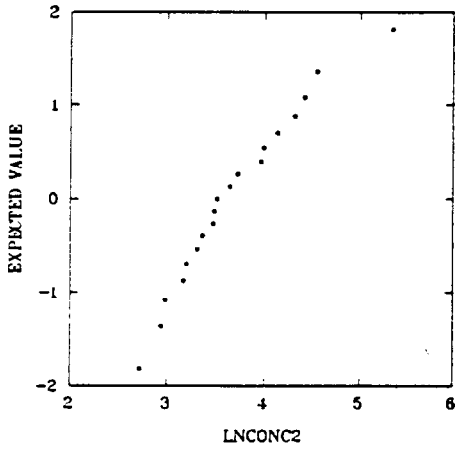
Up-Gradient, Unfiltered: TOTAL SUSPENDED SOLIDS



Up-Gradient, Unfiltered: VANADIUM



Up-Gradient, Unfiltered: ZINC



Appendix J

Air Survey Screening Data

Interim Corrective Measure Screening Investigation - Ambiet Air, NSB Kings Bay, Georgia

LOCATION		VINYL CHLORIDE PPM	DATE	BAROMETRIC PRESSURE	TEMPERATURE degrees C	COMMENTS
Offsite Background Averages	1	0.847	10-28-92	29.76	21	Bruel & Kjaer Multi-gas monitor readings on 10-28 and 10-29 from this analyzer can be influenced by other compounds with similar wave lenghts as vinyl chloride.
		0.841	10-28-92	29.76	21	
	2	1.310	10-28-92	29.76	21	
	3	0.708	10-28-92	29.76	21	
	4	0.895	10-28-92	29.76	21	
	5	0.627	10-28-92	29.76	21	
	6	0.466	10-28-92	29.76	21	
Monitoring well	7	3.390	10-28-92	29.76	21	
Monitoring well	8	5.890	10-28-92	29.76	21	
Monitoring well	9	1.670	10-28-92	29.76	21	
Monitoring well	10	0.602	10-28-92	29.76	21	
Monitoring well	11	1.030	10-28-92	29.76	21	
Monitoring well	12	0.115	10-28-92	29.76	21	
Monitoring well	13	1.290	10-28-92	29.76	21	
Monitoring well	14	0.377	10-28-92	29.76	21	
	15	0.692	10-28-92	29.76	21	
Offsite Background		0.868	10-29-92	29.80	22	
	16	1.760	10-29-92	29.80	22	
	17	1.360	10-29-92	29.80	22	
	18	2.380	10-29-92	29.80	22	
	19	0.368	10-29-92	29.80	22	
Offsite Background		0.20	11-03-92	29.92	22	Miran 1B2 gas analyzer used on 11-3 and 11-4-92. This analyzer can also be influenced by other compounds with similar wavelenghts to vinyl chloride.
Offsite Background		0.30	11-03-92	29.92	22	
Offsite Background		0.40	11-03-92	29.92	22	
Offsite Background		0.30	11-03-92	29.92	22	
Offsite Background		0.30	11-03-92	29.92	22	
Offsite Background		0.40	11-03-92	29.92	22	
	1	0.67	11-03-92	29.92	22	
	2	0.65	11-03-92	29.92	22	
	3	0.70	11-03-92	29.92	22	
	4	0.85	11-03-92	29.92	22	
	5	0.85	11-03-92	29.92	22	
	6	0.90	11-03-92	29.92	22	
	7	0.68	11-03-92	29.92	22	
	8	0.30	11-03-92	29.92	22	

See notes at end of table.

Interim Corrective Measure Screening Investigation - Ambiet Air, NSB Kings Bay, Georgia (continued)

LOCATION	VINYL CHLORIDE PPM	DATE	BAROMETRIC PRESSURE	TEMPERATURE degrees C	COMMENTS
9	0.23	11-03-92	29.92	22	
10	0.14	11-03-92	29.92	22	
11	0.38	11-03-92	29.92	22	
12	0.42	11-03-92	29.92	22	
13	0.24	11-03-92	29.92	22	
14	0.37	11-03-92	29.92	22	
15	0.54	11-03-92	29.92	22	
16	0.65	11-03-92	29.92	22	
17	0.90	11-03-92	29.92	22	
18	0.98	11-03-92	29.92	22	
19	0.87	11-03-92	29.92	22	
20	0.80	11-03-92	29.92	22	
21	0.72	11-03-92	29.92	22	
22	0.38	11-03-92	29.92	22	
23	0.70	11-03-92	29.92	22	
24	0.70	11-03-92	29.92	22	
25	0.62	11-03-92	29.92	22	
26	0.53	11-03-92	29.92	22	
27	0.80	11-03-92	29.92	22	
28	0.80	11-03-92	29.92	22	
29	0.80	11-03-92	29.92	22	
30	0.65	11-03-92	29.92	22	
31	0.80	11-03-92	29.92	22	
32	0.65	11-03-92	29.92	22	
33	0.53	11-03-92	29.92	22	
34	0.60	11-4-92	29.94	26	
35	0.37	11-4-92	29.94	26	
36	0.80	11-4-92	29.94	26	
37	0.80	11-4-92	29.94	26	
38	0.80	11-4-92	29.94	26	
39	0.80	11-4-92	29.94	26	
Offsite Background	0.70	11-4-92	29.94	26	
Offsite Background	0.70	11-4-92	29.94	26	
Offsite Background	0.60	11-4-92	29.94	26	
Offsite Background	0.50	11-4-92	29.94	26	
Offsite Background	0.30	11-4-92	29.94	26	

See notes at end of table.

Interim Corrective Measure Screening Investigation - Ambiet Air, NSB Kings Bay, Georgia (continued)

LOCATION	VINYL CHLORIDE PPM	DATE	BAROMETRIC PRESSURE	TEMPERATURE degrees C	COMMENTS
Offsite Background	0.80	11-4-92	29.94	26	
Offsite Background	0.80	11-4-92	29.94	26	
Offsite Background	0.50	11-4-92	29.94	26	
Offsite Background	0.60	11-4-92	29.94	26	
Offsite Background	0.50	11-4-92	29.94	26	
Offsite Background	1.30	11-4-92	29.94	26	Special note: readings around generator exhaust indicate influence on monitor.
Offsite Background	1.60	11-4-92	29.94	26	
Offsite Background	1.90	11-4-92	29.94	26	
Offsite Background	1.30	11-4-92	29.94	26	
Offsite Background	1.90	11-4-92	29.94	26	
Offsite Background	2.00	11-4-92	29.94	26	
Offsite Background	1.80	11-4-92	29.94	26	
Offsite Background	1.40	11-4-92	29.94	26	
Offsite Background	2.10	11-4-92	29.94	26	
Offsite Background	2.20	11-4-92	29.94	26	
Offsite Background	1.80	11-4-92	29.94	26	
Offsite Background	1.80	11-4-92	29.94	26	
1	0.70	11-4-92	29.94	26	Repeat readings from 11-3-92
2	0.50	11-4-92	29.94	26	Repeat readings from 11-3-92
3	0.60	11-4-92	29.94	26	Repeat readings from 11-3-92
4	0.40	11-4-92	29.94	26	Repeat readings from 11-3-92
34	0.40	11-4-92	29.94	26	Repeat readings from 11-3-92
35	0.40	11-4-92	29.94	26	Repeat readings from 11-3-92
36	0.50	11-4-92	29.94	26	Repeat readings from 11-3-92
30	0.40	11-4-92	29.94	26	Repeat readings from 11-3-92
33	0.40	11-4-92	29.94	26	Repeat readings from 11-3-92
27	0.50	11-4-92	29.94	26	Repeat readings from 11-3-92
9	0.50	11-4-92	29.94	26	Repeat readings from 11-3-92
10	0.40	11-4-92	29.94	26	Repeat readings from 11-3-92
11	0.50	11-4-92	29.94	26	Repeat readings from 11-3-92
14	0.60	11-4-92	29.94	26	Repeat readings from 11-3-92
15	0.40	11-4-92	29.94	26	Repeat readings from 11-3-92
1	0.40	11-4-92	29.94	26	Repeat readings at locations from day 1 on 10-28-92
2	0.50	11-4-92	29.94	26	Repeat readings at locations from day 1 on 10-28-92

See notes at end of table.

Interim Corrective Measure Screening Investigation - Ambiet Air, NSB Kings Bay, Georgia (continued)

LOCATION		VINYL CHLORIDE PPM	DATE	BAROMETRIC PRESSURE	TEMPERATURE degrees C	COMMENTS
	3	0.50	11-4-92	29.94	26	Repeat readings at locations from day 1 on 10-28-92
	4	0.40	11-4-92	29.94	26	Repeat readings at locations from day 1 on 10-28-92
	5	0.40	11-4-92	29.94	26	Repeat readings at locations from day 1 on 10-28-92
Hole at 11PC113		0.40	11-4-92	29.94	26	Hydrocone rig broke rods at hole 11PC113, in an effort to retrieve equipment a hole was excavated. Readings were taken in and around the hole and from the excavated soil.
		0.60	11-4-92	29.94	26	
		0.80	11-4-92	29.94	26	
		0.70	11-4-92	29.94	26	

Note: Reported concentrations are averages of replicate measurements.
ppm = parts per million
degrees C = degrees Celcius

Appendix K

Quality Assurance Program and Data Quality Assessments for Groundwater Sampling Events No. 1 through 6,

Phase I Interim Investigation, and

Interim Corrective Measure Screening Investigation

1.0 RFI FIELD PROGRAM AND GROUNDWATER SAMPLING EVENT NO. 1

This section summarizes the analytical program for surface soil and subsurface soil samples and groundwater samples collected during RFI/SI field activities at NSB Kings Bay. In addition it presents an assessment of data quality, identifies several points of laboratory nonconformance, and assesses the impact of laboratory nonconformancies.

1.1 CHEMICAL ANALYSES. Sampling activities at NSB Kings Bay included the collection of surface and subsurface soil samples, the installation of groundwater monitoring wells, and the collection of groundwater samples. All samples were collected in accordance with the procedures outlined in the Quality Assurance Project Plan, Appendix A of the NSB Kings Bay Work Plan. Samples were submitted to CH2M HILL Laboratories in Montgomery, Alabama, for chemical analyses. Table 1-1 summarizes the sampling and analysis program for samples collected from Sites 5, 11, and 16 during the RFI/SI. Samples were analyzed in accordance with USEPA SW-846 methods (USEPA, 1986) and NEESA Level C documentation for Appendix IX volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), dioxins and furans, organochlorine and organophosphorous pesticides, polychlorinated biphenyls (PCBs), herbicides, and inorganic analytes (including total cyanide and sulfide). Table 1-2 provides a list of Appendix IX compounds and corresponding EPA analytical method numbers.

1.2 DATA QUALITY ASSESSMENT. All soil and groundwater samples collected during the RFI/SI were properly preserved, placed in coolers, and packed with bagged ice immediately after their collection. All samples remained in the custody of the field operations leader until delivery to the courier service providing overnight shipment to the laboratory. All samples were shipped, complete with chain-of-custody forms, to CH2M HILL Laboratories within 24 hours for analysis. Upon arrival at CH2M HILL, the chain-of-custody and preservation of the samples was checked with the contents of each cooler by CH2M HILL personnel. After verification, the chain-of-custody form was signed by CH2M HILL personnel and the samples accepted for analysis.

Review of the field notebook and chain-of-custody forms did not indicate any nonconformance relative to field instrument calibration or sample handling. All required field quality control (QC) samples were collected in conformance with the requirements of the United States Environmental Protection Agency (USEPA), Navy Energy and Environmental Support Activity (NEESA), and ABB-ES Quality Assurance Plans and the June 1988 NEESA "Sampling and Chemical Analysis Quality Assurance Requirements for the Navy Installation Restoration Program" (NEESA Document 20.2-047B). These field QC samples include field duplicates, equipment rinseate blanks, field blanks, and VOC trip blanks for each VOC sample shipment.

The analytical results for environmental samples collected during the RFI/SI were evaluated and validated according to NEESA Level C quality control criteria in order to determine data quality and useability. The data tables included in Appendix C reflect validation according to Level C criteria. These criteria are described in Section 7.3.2 of NEESA Document 20.2-047B. The following subsections discuss analytical nonconformance and the evaluation of field and laboratory QC samples.

Table 1-1
Summary of Sampling and Analysis Program

Location and Type of Sampling	Laboratory Analysis					
	A	B	C	D	E	F
Site 5						
Surface Soil	7	7	7	7	7	7
Subsurface Soil	7	7	7	7	7	7
Groundwater	7	7	7	7	7	7
Site 11						
Subsurface Soil	9	9	9	9	9	9
Groundwater	9	9	9	9	9	9
Site 16						
Subsurface Soil	4	4	4	4	4	4
Groundwater	4	4	4	4	4	4
Field Duplicates						
Surface Soil	1	1	1	1	1	1
Subsurface Soil	2	2	2	2	2	2
Groundwater	2	2	2	2	2	2
Quality Control Samples						
Trip Blanks	11	0	0	0	0	0
Rinseate Blanks	11	11	11	11	11	11
Field Blanks	3	3	3	3	3	3

A - Appendix IX Volatiles
B - Appendix IX Semivolatiles
C - Appendix IX Organochlorine pesticides and PCBs
D - Appendix IX Inorganics (including cyanide and sulfide)
E - Appendix IX Dioxins and Furans
F - Appendix IX Herbicides and Organophosphorous pesticides

Table 1-2
Appendix IX, Groundwater Monitoring List

Parameter	Methods	Parameter	Methods
Acenaphthylene	8100	delta-BHC	8080
	8270		8250
Acetone	8240	gamma-BHC; Lindane	8080
Acetophenone	8270		8250
Acenaphthene	8100		
	8270		
Acetonitrile; Methyl cyanide	8015	Bis(2-chloroethoxy)methane	8270
2-Acetylaminofluorene; 2-AAF	8270	Bis(2-chloroethyl)ether	8270
Acrolein	8030	Bis(2-chloro-1-methylethyl) ether;	8010
	8240	2,2-Dichlorodiisopropyl ether	8270
Acrylonitrile	8030	Bis(2-ethylhexyl)phthalate	8060
	8240		8270
Aldrin	8080	Bromodichloromethane	8010
	8270		8240
Allyl chloride	8010	Bromoform; Tribromomethane	8010
	8240		8240
4-Aminobiphenyl	8270	4-Bromophenyl phenyl ether	8270
Aniline	8270	Butyl benzyl phthalate; Benzyl	8060
Anthracene	8100	butyl phthalate	8270
	8270	Cadmium	6010
Antimony	6010		7130
	7040		7131
	7041	Carbon disulfide	8240
Aramite	8270	Carbon tetrachloride	8010
Arsenic	6010		8240
	7060	Chlordane	8080
	7061		8250
Barium	6010	p-Chloroaniline	8270
	7080	Chlorobenzene	8010
Benzene	8020		8020
	8240		8240
Benzo(a)anthrancene; Benzanthracene	8100	Chlorobenzilate	8270
	8270	p-Chloro-m-cresol	8040
Benzo(b)fluoranthene	8100		8270
	8270	Chloroethane; Ethyl chloride	8010
Benzo(k)fluoranthene	8100		8240
	8270	Chloroform	8010
Benzo(ghi)perylene	8100		8240
	8270	2-Chloronaphthalene	8120
Benzo(a)pyrene	8100		8270
	8270	2-Chlorophenol	8040
Benzyl alcohol	8270		8270
Beryllium	6010	4-Chlorophenyl phenyl ether	8270

Table 1-2 (continued)
Appendix IX, Groundwater Monitoring List

Parameter	Methods
	7090
	7091
alpha-BHC	8080
	8250
beta-BHC	8080
	8250
Cobalt	6010
	7200
	7201
Copper	6010
	7210
Cyanide	9100
2,4D; 2,4-Dichlorophenoxyacetic acid	8150
4,4'-DDD	8080
	8270
4,4'DDE	8080
	8270
4,4-DDT	8080
	8270
Diallate	8270
Dibenz(a,h)anthracene	8100
	8270
Dibenzofuran	8270
Dibromochloromethane; Chlorodibromomethane	8240
1,2-Dibromo-3-chloropropane; DBCP	8101
	8240
	8270
1,2-Dibromoethane; Ethylene dibromide	8010
	8240
Di-n-butyl phthalate	8060
	8270
o-Dichlorobenzene	8010
	8020
	8120
	8270
m-Dichlorobenzene	8010
	8020
	8120
	8270
p-Dichlorobenzene	8010
	8020
	8120
	8270

Parameter	Methods
Chloroprene	8010
	8240
Chromium	6010
	7190
	7191
Chrysene	8100
1,2-Dichloroethane; Ethylene dichloride	8010
	8240
1,1-Dichloroethylene; Vinylidene chloride	8010
	8240
trans-1,2-Dichoroethylene	8010
	8240
2,4-Dichlorophenol	8040
	8270
2,6-Dichlorophenol	8270
1,2-Dichloropropane	8010
	8240
cis-1,3-Dichloropropene	8010
	8240
trans-1,3-Dichloropropene	8010
	8240
Dieldrin	8080
	8270
Diethyl phthalate	8060
	8270
0,0-Diethyl 0-2pyrazinyl phosphorothioate; Thionazin	8270
Dimethoate	8270
p-(Dimethylamino)azobenzene	8270
7,12-Dimethylbenz(a)anthracene	8270
3,3'-Dimethylbenzidine	8270
alpha, alpha-Dimethylphenethylamine	8270
2,4-Dimethyphenol	8040
	8270
Dimethyl phthalate	8060
	8270
m-Dinitrobenzene	8270
4,6-Dinitro-o-cresol	8040
	8270
2,4-Dinitrophenol	8040
	8270
2,4-Dinitrotoulene	8090
	8270
2,6-Dinitrotoulene	8090
	8270
Dinoseb; DNBP; 2-sec-Butyl-4,6-dinitrophenol	8150
	8270

Table 1-2 (continued)
Appendix IX, Groundwater Monitoring List

Parameter	Methods	Parameter	Methods
3,3-Dichlorobenzidine	8270	Di-n-octyl phthalate	8060
trans-1,4-Dichloro-2-butene	8240		8270
Dichlorodifluoromethane	8010	1,4-Dioxane	8015
	8240	Diphenylamine	8270
1,1-Dichloroethane	8010	Disulfoton	8140
	8240		8270
Endosulfan I	8080	Methacylonitrile	8015
	8250		8240
Endosulfan II	8080	Methapyrilene	8270
Endosulfan sulfate	8080	Methoxychlor	8080
	8270		8270
Endrin	8080	Methyl bromide; Bromomethane	8010
	8250		8240
		Methyl chloride; Chloromethane	8010
			8240
Endrin aldehyde	8080		
	8270		8240
Ethylbenzene	8020	3-Methylcholanthrene	8270
	8240	Methylene bromide; Dibromomethane	8010
Ethyl methacrylate	8015		8240
	8240	Methylene chloride; Dichloromethane	8010
	8270		8240
Ethyl methanesulfonate	8270	Methyl ethyl ketone; MEK	8015
Famfur	8270		8240
Fluoranthene	8100	Methyl iodide; Iodomethane	8010
	8270		8240
Fluorene	8100	Methyl methacrylate	8015
	8270		8240
Heptachlor	8080	Methyl methanesulfonate	8270
	8270	2-Methylnaphthalene	8270
Heptachlor epoxide	8080	methyl parathion; Parathion methyl	8140
	8270		8270
Hexachlorobenzene	8120	4-Methyl-2-pentanone; Methyl	8015
	8270	isobutyl ketone	8240
		3-methyl-phenol	8270
		2-methyl-phenol	8270
		4-methyl-phenol	8270
Hexachlorobutadiene	8120	Naphthalene	8100
	8270		8270
Hexachlorocyclopentadiene	8120	1,4-Naphthoquinone	8270
	8270	1-Naphthylamine	8270
Hexachloroethane	8120	2-Naphthylamine	8270
	8270	Nickel	6010
Hexachlorophene	8270		7520
Hexachloropropene	8270	o-Nitroaniline	8270
2-Hexanone	8240	m-Nitroaniline	8270
Indeno(1,2,3-cd)pyrene	8100	p-Nitroaniline	8270

Table 1-2 (continued)
Appendix IX, Groundwater Monitoring List

Parameter	Methods
	8270
Isobutyl alcohol	8015
Isodrin	8270
Isophorone	8090
	8270
Isosafrole	8270
Kepone	8270
Lead	6010
	7420
	7421
Mercury	7470
N-Nitrosodipropylamine; Di-n-propyl-nitrosamine	8270
N-Nitrosomethylethylamine	8270
N-Nitrosomorpholine	8270
N-Nitorsopiperidine	8270
N-Nitrosopyrrolidine	8270
5-Nitro-o-toluidine	8270
Parathion	8270
Polychlorinated biphenyls; PCBs	8080
	8250
Polychlorinated dibenzo-p-dioxins; PCDDs	8280
Polychlorinated dibenzofurans; PCDFs	8280
Pentachlorobenzene	8270
Pentachloroethane	8240
	8270
Pentachloronitrobenzene	8270
Pentachlorophenol	8040
	8270
Phenacetin	8270
Phenanthrene	8100
	8270
Phenol	8040
	8270
p-Phenylenediamine	8270
Phorate	8140
	8270
2-Picoline	8240
Pronamide	8270
Propionitrile; Ethyl cyanide	8015
	8240
Pyrene	8100
	8270
Pyridine	8240
Safrole	8270
Selenium	6010

Parameter	Methods
Nitrobenzene	8090
	8270
o-Nitrophenol	8040
	8270
p-Nitrophenol	8040
	8270
4-Nitroquinoline 1-oxide	8270
N-Nitrosodi-n-butylamine	8270
N-Nitrosodiethylamine	8270
N-Nitrosodimethylamine	8270
N-Nitrosodiphenylamine	8270
2,3,7,8-TCDD; 2,3,7,8-Tetrachloro-dibenzo-p-dioxin	8280
1,2,4,5-Tetrachlorobenzene	8270
1,1,1,2-Tetrachloroethane	8010
	8240
1,1,2,2-Tetrachloroethane	8010
	8240
Tetrachloroethylene; Perchloro-ethylene; Tetrachloroethene	8010
	8240
2,3,4,6-Tetrachlorophenol	8270
Tetraethyl dithiopyrophosphate; Sulfotepp	8270
Thalium	8010
	7840
	7841
Tin	7870
Toulene	8020
	8240
o-Toluidine	8270
Toxaphene	8080
	8250
1,2,4-Trichlorobenzene	8270
1,1,1-Trichloroethane; Methyl-chloroform	8240
1,1,2-Trichloroethane	8010
	8240
Trichloroethylene; Trichloroethene	8010
	8240
	8240
2,4,5-Trichlorophenol	8270
2,4,6-Trichlorophenol	8040
	8270
1,2,3-Trichloropropane	8010
	8240
0,0,0-Triethyl phosphorothioate	8270
sym-Trinitrobenzene	8270

Table 1-2 (continued)
Appendix IX, Groundwater Monitoring List

Parameter	Methods	Parameter	Methods
	7740	Vanadium	6010
	7741		7901
Silver	6010		7911
	7760	Vinyl acetate	8240
Silvex; 2,4,5-TP	8150	Vinyl chloride	8010
Styrene	8020		8240
	8240	Xylene (total)	8020
Sulfide	9030		8240
2,4,5-T; 2,4,5-Trichlorophenoxyacetic acid	8150	Zinc	6010
			7950

1.2.1 Analytical Performance Review of analytical data indicated that the laboratory met all applicable analytical QC criteria for organochlorine pesticide, PCB, and herbicide analyses, but not for VOC, SVOC, dioxan and furan analyses, organophosphorous pesticide analyses, and for certain inorganic analyses. Holding times were met for all sample lots. The data review and validation were performed under a subcontract to Heartland Environmental Services, Inc., St. Peters, Missouri.

For VOC and SVOC analyses, several continuing calibration check standards contained compounds with percent differences exceeding QC limits. Sample results for compounds associated with the differences have been appropriately qualified as estimated and flagged with a "J". For three groundwater samples (KBA-5-4, KBA-11-3, and KBA-16-4), SVOC surrogate recoveries for the base/neutral fraction were below QC limits. For three surface soil samples (05-SS-02, 05-SS-05, and 05-SS-07), VOC internal standards and surrogates were below QC limits. Sample results for associated compounds have been qualified as estimated and flagged with a "J". Furthermore, 12 Appendix IX VOCs and 18 Appendix IX SVOCs only had a one-point initial calibration instead of the required five-point initial calibration. All sample results associated with these one-point calibrations have been appropriately qualified as estimated and flagged with a "J". All sample results qualified as estimated are considered useable data.

For all soil and groundwater samples, the laboratory did not calibrate the GC/MS system for two SVOCs, diphenylamine and phenyl-tert-butylamine, which resulted in the rejection of all data for these compounds. Calibration of diphenylamine is not possible under the site-specific analytical program due to the presence in the calibration mix of another target compound, N-nitrosodiphenylamine. N-nitrosodiphenylamine is routinely analyzed on the GC/MS system as a Contract Laboratory Program (CLP) compound and is very unstable in the presence of heat. Upon injection into the gas chromatograph (GC), N-nitrosodiphenylamine decomposes to form diphenylamine; thus, resulting in two indistinguishable analytes. The laboratory should not have reported results for diphenylamine for this reason. It should be noted that the environmental sample results for N-

nitrosodiphenylamine, which are all non-detects, actually represent the absence of both diphenylamine and N-nitrosodiphenylamine.

All results for phenyl-tert-butylamine were also non-detects. Although an initial calibration for this compound was not performed, a library search was performed to tentatively identify this compound. The search did not reflect any positive sample results for this compound. This search should be considered in relation to the quantitation results obtained in the next sampling period to help determine the presence or absence of phenyl-tert-butylamine.

Analytical blanks associated with certain VOC sample analyses contained detectable concentrations of acetone, methylene chloride, and chloroform. Acetone and methylene chloride are common laboratory solvents and are frequently observed artifacts in laboratory method blanks. Chloroform is a trihalomethane and is a by-product of water treatment process. Table 1-3 summarizes VOC method blank analytical results. For one VOC method blank, VBLKSM, a medium-level preparation was performed prior to VOC analysis because a medium-level preparation was required for corresponding environmental samples. As a result of performing medium-level sample preparation, contract required quantitation limits (CRQLs) for VOC compounds are 120 times greater than the CRQL for low-level analyses. Acetone and methylene chloride were detected in VBLKSM at 770 ug/kg and 330 ug/kg, respectively. These values are high relative to other blank values but are below the CRQL for medium-level analyses (1200 ug/kg and 620 ug/kg, respectively). The presence of these VOCs do not affect the interpretability of associated data because methylene chloride was not detected in associated soil samples and acetone was detected in both associated soil samples (05-SS-3 and 05-SS-03D) but at much greater concentrations (12000 ug/kg and 17000 ug/kg, respectively).

Analytical blanks associated with SVOC sample analyses contained detectable concentrations of di-n-butylphthalate, diethylphthalate, and bis(2-ethylhexylphthalate). Phthalate compounds are common laboratory and field contaminants which may originate from many types of plastic gloves, containers, and tubing used during field and laboratory operations. Table 1-4 summarizes SVOC method blank analytical results.

Qualifications of sample results for VOC and SVOC compounds associated with blank contamination are made according to NEESA Level C quality control guidelines and are as follows:

- If a chemical is present in a method blank but not in associated samples, the sample results are reported unqualified at the CRQL. For the five common VOC and SVOC laboratory contaminants the CRQL is as follows:

	Aqueous	Soil
Methylene chloride	5 U µg/L	5 U µg/kg
Acetone	10 U µg/L	10 U µg/kg
2-butanone	10 U µg/L	10 U µg/kg
Toluene	5 U µg/L	5 U µg/kg
Phthalates	10 U µg/L	330 U µg/kg

Table 1-3
Summary of Sampling and Analysis Program

Method Blank ID	Blank Analysis Results			Associated Samples
	Compound	Concentration (µg/L)	CRQL (µg/L)	Sample ID
VBLKW	Acetone	5 J	10	BT-1-FB, BS-1-ER, BS-1-FB
VBLKW	Methylene Chloride	2 J	5	BT-4-FB
	Acetone	2 J	10	
VBLKW-2	Methylene Chloride	5	5	BS-4-ER
	Acetone	3 J	10	
VBLKW	Methylene Chloride	2 J	5	BS-5-ER, BT-5-FB
	Acetone	10	10	
X02262 B1	Methylene Chloride	4 J	5	BT-6-FB, BS-6-ER
	Acetone	3 J	10	
VBLKW	Methylene Chloride	3 J	5	BS-7-ER, BT-7-FB
	Acetone	6 J	10	
X03032 B1	Methylene Chloride	4 J	5	KBA-5-1, KBA-5-2, KBA-5-3 KBA-11-9, BT-8-FB
	Acetone	4 J	10	
X03042 B1	Methylene Chloride	6	5	BS-8-ER, BT-9-FB, BS-9-ER BS-2-FB, BS-3-FB, KBA-5-4 KBA-5-5, KBA-5-6, KBA-5-7 KBA-11-1, KBA-11-6, KBA-11-8 KBA-11-7
	Acetone	8 J	10	
	Chloroform	1 J	5	
K03032 B1	Methylene Chloride	2 J	5	KBA-11-2
	Acetone	6 J	10	
K03042 B1	Chloroform	1 J	5	BS-10-ER,BS-11-ER
X03052 B1	Chloroform	1 J	5	KBA-11-4, KBA-11-5, KBA-16-4
	Methylene Chloride	4 J	5	
	Acetone	3 J	10	
		ug/kg	ug/kg	
VBLKS-2	Methylene Chloride	8	5	05-SB-01, 05-SB-03, 05-SB-04
	Acetone	10	10	
VBLKS	Methylene Chloride	7	5	05-SB-05, 05-SB-06, 05-SB-07
	Acetone	6 J	10	

Table 1-3 (continued)
Summary of Sampling and Analysis Program

Method Blank ID	Blank Analysis Results			Associated Samples
	Compound	Concentration (µg/L)	CRQL (µg/L)	Sample ID
VBLKS	Methylene Chloride	10	5	11-SB-02, 11-SB-03, 11-SB-03D 11-SB-04, 11-SB-05, 11-SB-06 11-SB-07
	Acetone	6 J	10	
VBLKS	Methylene Chloride	19	5	16-SB-01, 16-SB-03, 16-SB-04
	Acetone	10	10	
C02272 B1	Methylene Chloride	12	5	16-SB-02
	Acetone	2 J	10	
VBLKSM	Methylene Chloride	330	620	05-SS-03, 05-SS-03D
	Acetone	770	1200	
VBLKS	Methylene Chloride	8	5	05-SS-01, 05-SS-02, 05-SS-04 05-SS-05, 05-SS-06, 05-SS-07
	Acetone	10	10	

Notes: J = indicates that the reported concentration is estimated because it is below the CRQL

Table 1-4
Summary of Semivolatile Organic Chemical Analysis of Method Blanks Associated with Samples Collected from all Sites

Method Blank ID	Blank Analysis Results			Associated Samples
	Compound	Concentration (µg/L)	CRQL (µg/L)	Sample ID
SBLKW	Di-n-butylphthalate	3 J	10	BS-1-ER, BS-1-FB
SBLKW	bis(2-ethylhexyl)phthalate	6 J	10	BS-2-ER, BS-3-ER
	di-n-butylphthalate	5 J	10	
C02172B2	di-n-butylphthalate	3 J	10	BS-6-ER
C02242B1	di-n-butylphthalate	5 J	10	BS-8-ER, KBA-5-1, KBA-5-2, KBA-5-3, KBA-5-4, KBA-5-4D, KBA-5-5, KBA-5-6, KBA-5-7
C02242B2	di-n-butylphthalate	5 J	10	KBA-11-1, KBA-11-4, KBA-11-5, KBA-11-6, KBA-11-7, KBA-11-8, KBA-11-9, BS-9-ER BS-3-FB
C02262B2	diethylphthalate	5 J	10	BS-11-ER, KBA-16-4
C02242B1	diethylphthalate	6 J	10	KBA-11-2, KBA-11-3, KBA-11-3D, KBA-16-1, KBA-16-2, KBA-16-3
	di-n-butylphthalate	4 J	10	
	bis(2-ethylhexyl)phthalate	3 J	10	
		ug/kg	ug/kg	
SBLKS1	di-n-butylphthalate	52	330	05-SB-06
SBLKS	bis(2-ethylhexyl)phthalate	38	330	11-SB-02, 11-SB-03 11-SB-03D
SBLKS2	bis(2-ethylhexyl)phthalate	200	330	11-SB-04, 11-SB-05, 11-SB-06, 11-SB-07
SBLKS	di-n-butylphthalate	52	330	11-SB-08
SBLKS	di-n-butylphthalate	44	330	16-SB-01, 16-SB-04
SBLKS	di-n-butylphthalate	55	330	05-SS-01, 05-SS-04
SBLKS2	di-n-butylphthalate	46	330	05-SS-06
SBLKS3	di-n-butylphthalate	44	330	05-SS-05, 05-SS-07

Notes:

J = indicates that the reported concentration is estimated because it is below the CRQL

- If a chemical is present in the sample above CRQL, but less than 5 times the concentration detected in the associated blanks (10 times for the chemicals listed above), qualify the result as undetected, "U". The "U" designation signifies that the chemical was analyzed for but not detected.

- If the sample result is below the CRQL and less than 5 times the blank value (10 times for the chemicals listed above), qualify by reporting as undetected at the CRQL.

- If the chemical is present at greater than 5 times the CRQL (10 times for the above chemicals), report as an unqualified result.

For organophosphorous pesticide analytes, one continuing calibration standard contained one compound, disulfoton, with a percent difference above the QC limit. As a result non-detect results for one groundwater sample (KBA-16-4) and one equipment rinseate (BS-11-ER) were appropriately qualified as estimated (UJ).

One equipment rinseate blank, BS-7-ER, was not analyzed for Appendix IX dioxins and furans (Method 8280). Since environmental samples associated with this rinseate blank did not contain dioxins or furans; the lack of dioxin and furan data for this blank does not affect the interpretability of sample data.

For each of the GC fractions (organochlorine pesticides, organophosphorous pesticides, and herbicides) three Appendix IX compounds were not analyzed for and therefore not reported due to poor recovery from spiking studies performed at CH2M HILL Laboratory. These compounds are: Kepone, Method 8080; Dimethoate, Method 8140; and Dinoseb, Method 8150. Upon request by ABB-ES, CH2M HILL has arranged to subcontract to another laboratory, if necessary, to provide for the analysis of groundwater samples obtained during the next sampling event for the three compounds to help determine the presence or absence of these compounds.

For metals analyses, all holding times were met. One matrix spike result for antimony, thallium, and arsenic was below QC limits. One duplicate result for zinc, chromium, and arsenic and three duplicate results for lead were outside QC limits. Associated sample results have been appropriately qualified as estimated. Several inorganics were detected in method blanks. Table 1-5 summarizes inorganic preparation and calibration blank analytical results. Inorganic results for environmental samples, in which concentrations of metals were also found in associated blanks, are designated undetected if the concentration in the sample is below CRQL and less than five times the blank value. For sample concentrations between five and 10 times that found in a blank that exhibited negative bias for an inorganic analyte, the sample results are qualified as estimated. No qualification is required if the sample value is more than 5 times the blank value and there is no negative bias, or more than 10 times the blank value if there is negative basis. All sample results qualified as estimated are considered useable data.

1.2.2 Evaluation of Field QC Samples Three field blanks, eleven trip blanks, and eleven rinseate blanks were collected during sampling activities. Two field blanks, BS-1-FB and BS-2-FB, represent organic-free, deionized water which was used as a final rinse during equipment decontamination procedures and one field blank, BS-3-FB, represents regular deionized water which was used as an intermediate rinse during

Table 1-5
Summary of Inorganic Analysis of Preparation Blanks
Associated with Samples Collected from all Sites

Sample Delivery Group No.	Blank Analysis Results			Associated Samples
	Compound	Concentration	CRQL	
20865	Barium	0.204 mg/kg	40	05-SB-01, 05-SB-02,
20867	Chromium	0.672 mg/kg	2	05-SB-02D, 05-SB-03,
	Copper	0.806 mg/kg	5	05-SB-04, 05-SB-05,
	Lead	0.328 mg/kg	0.6	05-SB-06, 05-SB-07,
	Silver	0.486 mg/kg	2	11-SB-01, 11-SB-08,
	Zinc	1.046 mg/kg	4	11-SB-09
	Vanadium	0.506 mg/kg	10	
20873	Chromium	0.602 mg/kg	2	11-SB-02, 11-SB-03,
	Copper	1.666 mg/kg	5	11-SB-03D, 11-SB-04,
	Nickel	0.800 mg/kg	8	11-SB-05, 11-SB-06,
	Zinc	0.808 mg/kg	4	11-SB-07
20917	Lead	0.328 mg/kg	0.6	16-SB-02
	Zinc	1.018 mg/kg	4	
32241	Silver	0.353 mg/kg	2	16-SB-01, 16-SB-03,
	Beryllium	-0.079 mg/kg	1	16-SB-04
	Chromium	-0.484 mg/kg	2	
20940	Arsenic	0.186 mg/kg	2	05-SS-01, 05-SS-02,
	Copper	3.384 mg/kg	5	05-SS-03, 05-SS-04,
	Lead	0.162 mg/kg	0.6	05-SS-03D, 05-SS-05,
				05-SS-06, 05-SS-07
20865	Barium	0.85 µg/L	200	BS-1-FB, BS-1-ER,
20867	Zinc	15.86 µg/L	20	BS-2-ER, BS-3-ER,
20873				BS-4-ER
20917	Barium	0.95 µg/L	200	BS-6-ER
	Zinc	8.93 µg/L	20	
	Copper	6.60 µg/L	25	

Table 1-5 (continued)
Summary of Inorganic Analysis of Preparation Blanks
Associated with Samples Collected from all Sites

Sample Delivery Group No.	Blank Analysis Results			Associated Samples
	Compound	Concentration	CRQL	
20865	Barium	0.204 mg/kg	40	05-SB-01, 05-SB-02,
20867	Chromium	0.672 mg/kg	2	05-SB-02D, 05-SB-03,
	Copper	0.806 mg/kg	5	05-SB-04, 05-SB-05,
	Lead	0.328 mg/kg	0.6	05-SB-06, 05-SB-07,
	Silver	0.486 mg/kg	2	11-SB-01, 11-SB-08,
	Zinc	1.046 mg/kg	4	11-SB-09
	Vanadium	0.506 mg/kg	10	
20985	Barium	1.44 µg/L	200	KBA-5-1, KBA-5-2,
	Chromium	2.51 µg/L	10	KBA-5-3, KBA-5-4,
	Copper	3.80 µg/L	25	KBA-5-4D, KBA-5-5,
	Lead	1.36 µg/L	5	KBA-5-6, KBA-5-7,
	Zinc	6.93 µg/L	20	BS-8-ER
	Nickel	-4.32 µg/L	40	
20997	Copper	8.63 µg/L	25	KBA-11-1, KBA-11-4,
	Zinc	6.94 µg/L	20	KBA-11-5, KBA-11-6,
				KBA-11-7, KBA-11-8,
				KBA-11-9, BS-9-ER,
				BS-2-FB, BS-3-FB
21012	Barium	0.88 µg/L	200	KBA-16-4, BS-7-ER,
20940	Copper	13.8 µg/L	25	BS-11-ER
	Lead	1.07 µg/L	5	
	Nickel	6.96 µg/L	40	
	Zinc	12.48 µg/L	20	
21022	Arsenic	0.69 µg/L	10	KBA-11-2, KBA-11-3,
	Barium	0.87 µg/L	200	KBA-11-3D, KBA-16-1,
	Chromium	2.90 µg/L	10	KBA-16-2, KBA-16-3,
	Copper	19.54 µg/L	25	BS-10-ER
	Nickel	5.13 µg/L	40	
	Zinc	13.65 µg/L	20	

equipment decontamination procedures. The eleven equipment rinseate samples were collected during decontamination procedures involving split-spoons, hand augers, and bailers.

No pesticides, PCBs, herbicides, dioxins, or furans were found in field blanks or rinseate blanks collected during the RFI/SI. Two SVOCs, di-n-butylphthalate and bis(2-ethylhexylphthalate, were detected in rinseate blanks as shown in Table 1-6. Phthalate compounds are common laboratory and field contaminants which may originate from certain types of plastic gloves, containers, and tubing used during field and laboratory operations. The concentrations of these particular phthalates found in rinseate blanks and in corresponding method blanks are considered in interpretation of the results of the environmental samples. Occurrence of the observed levels in rinseate blanks and method blanks is common and do not constitute grounds for data rejection.

Several inorganics were detected in field blanks and rinseate blanks as shown in Table 1-6. Concentrations for these inorganics are well below the CRQL for each inorganic. These findings do not affect the interpretability of the data since they would not affect the observed concentrations of these metals in soils and are far below any regulatory limit in water, but will be considered in the evaluation of environmental samples. Inorganics in rinseate blanks represent a mass of the analyte in the sample an order of magnitude or more below the mass present in a sample of background soil.

The VOCs methylene chloride and acetone were detected in three trip blanks as shown in Table 1-6. The VOCs methylene chloride, carbon disulfide, chloroform, chlorobenzene, tetrachloroethene, dibromochloromethane, and bromodichloromethane were detected in field blanks and rinseate blanks. As discussed in Section 1.2.1, method blanks associated with several of these rinseate and trip blanks also contained methylene chloride, acetone, and chloroform. The concentrations of methylene chloride and acetone found in trip blanks and rinseate blanks are considered in interpretation of the results of the environmental samples.
Occurrence of the observed levels in blanks is common and does not constitute grounds for data rejection. Carbon disulfide was detected in one rinseate blank (BS-07-ER) at an estimated 1 μg/L.

Carbon disulfide is an industrial solvent used in curing rubber but may also form naturally in the environment as a result of biological activity involving naturally occurring organo-sulfur acids. Carbon disulfide was also detected in the associated surface soil samples. Organics in rinseate blanks represent a mass of the analyte in the sample one order of magnitude or more below the mass present in a sample of background soil.

None of the environmental samples associated with the rinsates that contained chloroform, bromodichloromethane, dibromochloromethane, tetrachloroethene, and chlorobenzene contained these compounds. Chloroform, bromodichloromethane, and chlorodibromomethane are trihalomethanes which form in water chlorinated for drinking water disinfection. They also frequently occur in laboratory deionized (ASTM Type II) water due to carry over in distillation and deionization. However, the water used during rinseate collection was organic-free water and should not have contained organic compounds. Chlorobenzene, chloroform, bromodichloromethane, and chlorodibromomethane were also detected in the field blanks representing organic-free water but were not present in the field blank representing regular deionized water. A possible source of organics in the water is the improper maintenance of the charcoal filters used during

Table 1-6
Summary of Trip Blanks and Field Blanks
Associated with Samples Collected from all Sites

Trip Blanks							
Compounds Detected	**CRQL**	**BT-1-FB**	**BT-2-FB**	**BT-3-FB**	**BT-4-FB**	**BT-5-FB**	**BT-06-FB**
VOCs (µg/L)							
Methylene Chloride	5	3 J	16 U	12 U	6 U	14 U	5 U
Acetone	10	10 U	10 U	10 U	10 U	10 U	10 U

Trip Blanks							
Compounds Detected	**CRQL**	**BT-7-FB**	**BT-8-FB**	**BT-9-FB**	**BT-10-FB**	**BT-11-FB**	
VOCs (µg/L)							
Methylene Chloride	5	10 U	9 U	7 U	3 J	3 J	
Acetone	10	10 U	10 U	10 U	6 J	5 J	

Equipment Rinseate Blanks							
Compounds Detected	**CRQL**	**BS-1-ER**	**BS-2-ER**	**BS-3-ER**	**BS-4-ER**	**BS-5-ER**	**BS-6-ER**
VOCs (µg/L)							
Methylene Chloride	5	4 J	19 U	5	5 U	6 U	9 U
Chloroform	5	10	10	10	7	33	17
Bromodichloromethane	5	7	8	7	4 J	14	9
Dibromochloromethane	5	3 J	3 J	4 J	2 J	4 J	4 J
Tetrachloroethene	5	1 J	2 J	5 U	5 U	5 U	5 U
Chlorobenzene	5	2 J	2 J	2 J	5 U	1 J	5 U
SVOCs (µg/L)							
bis(2-Ethylhexyl)Phthalate	10	12	10 U	10 U	10 U	10 U	10 U
Pesticides/PCBs/Herbicides				**Not Detected**			
Inorganics (µg/L)							
Barium	200	13.7 J	13.6 J	0.65 U	0.73 U	0.33 J	1.1 U
Chromium	10	3.9 J	2.1 U	2.1 U	2.1 U	2.0 U	4.1 J
Copper	25	3.3 J	7.5 J	2.1 U	3.6 J	1.4 U	2.9 U
Lead	5	0.92 J	0.68 U	0.68 U	0.68 U	0.70 J	0.68 U

Table 1-6
Summary of Trip Blanks and Field Blanks
Associated with Samples Collected from all Sites

Equipment rinseate blanks							
Compounds Detected	**CRQL**	**BS-1-ER**	**BS-2-ER**	**BS-3-ER**	**BS-4-ER**	**BS-5-ER**	**BS-6-ER**
Inorganics (continued) (µg/L)							
Nickel	40	4.3 J	3.8 U	3.8 U	3.8 U	6.5 U	3.8 U
Vanadium	50	1.9 J	1.7 U	1.7 U	1.7 U	1.2 U	1.7 U
Zinc	20	8.5 U	10.4 U	24.4 U	8.6 U	4.8 J	11.0 U

Equipment Rinseate Blanks						
Compounds Detected	**CRQL**	**BS-7-ER**	**BS-8-ER**	**BS-9-ER**	**BS-10-ER**	**BS-11-ER**
VOCs (µg/L)						
Carbon Disulfide	5	1 J	5 U	5 U	5 U	5 U
Chloroform	5	22	5 U	5 U	12	8
Bromodichloromethane	5	9	5 U	5 U	7	3 J
Dibromochloromethane	5	3 J	5 U	5 U	3 J	5 U
Chlorobenzene	5	5 U	5 U	5 U	5 U	2 J
SVOCs (µg/L)						
Di-n-Butylphthalate	10	10 U	10 U	10 U	2 J	3 J
bis(2-Ethylhexyl)Phthalate	10	10 U	10 U	10 U	2 J	10 U
Pesticides/PCBs/Herbicides			**Not Detected**			
Inorganics (µg/L)						
Barium	200	1.6 U	11.1 J	1.3 J	0.58 U	1.8 U
Chromium	10	2.1 U	3.4 U	3.4 J	2.1 U	2.3 J
Lead	5	1.3 J	3.1 U	0.70 J	1.6 J	0.68 UJ
Silver	10	1.7 U	1.7 U	2.1 J	1.7 U	1.7 U
Cyanide	10	1.8 U	1.8 U	2.8 J	1.8 U	1.8 U

Table 1-6
Summary of Trip Blanks and Field Blanks
Associated with Samples Collected from all Sites

Field Blanks				
Compounds Detected	**CRQL**	**BS-1-FB**	**BS-2-FB**	**BS-3-FB**
VOCs (μg/L)				
Chloromethane	10	1 J	10 U	10 U
Methylene Chloride	5	2 J	8 U	15 U
Chloroform	5	9	5 U	5 U
Bromodichloromethane	5	6	5 U	5 U
Dibromochloromethane	5	3 J	5 U	5 U
Chlorobenzene	5	2 J	2 J	5 U
SVOCs (μg/L)	**Not Detected**			
Pesticides/PCBs/Herbicides	**Not Detected**			
Inorganics (μg/L)				
Arsenic	10	1.4 J	0.72 J	0.69 U
Barium	200	0.69 U	0.79 J	2.1 J
Chromium	10	2.4 J	2.1 UJ	5.1 J
Copper	25	2.1 U	3.9 U	5.3 U
Lead	5	0.88 J	0.68 UJ	0.68 UJ
Nickel	40	3.8 U	3.8 U	4.8 J
Vanadium	50	1.9 J	1.7 U	1.7 U

* Trip blanks are analyzed for VOCs only.

J = estimated value
U = not detected at the reported value

filtering processes. Since none of these compounds were present in associated samples, the usability and interpretation of the sample data is not affected.

Review of the field duplicates showed good agreement for soils and groundwater (Table 1-7). During field duplicate comparisons, where an analyte was not detected in one soil or groundwater replicate it was present at less than three times the detection limit in the duplicate. Due to natural nonhomogenity in the distribution of inorganic and organic matter in soils, variation among soil replicates by factors of two to five times is not uncommon. Replication is similarly variable for sample replicates in which the analyte is present near the detection limit.

Table 1-7
Summary of Field Duplicate Results
for Samples Collected from all Sites

Sample Matrix	Sample Identification	Results[1]			
Soil Borings	05-SB-02/05-SB-02D 4' - 6' interval	**VOCs (µg/kg)**			
		Xylene (total)		3 J/ 6 U	
		All other VOCs non-detected			
		SVOCs (µg/kg)			
		Bis(2-ethylhexyl)Phthalate		590 / 360	
		All other SVOCs non-detected			
		Pesticides and PCBs/ Herbicides (µg/kg)			
		No compounds detected			
		Metals (mg/kg)			
		Arsenic	0.24 J/ 0.17 U	Lead	2.7/ 3.2
		Barium	5.0 J/ 5.3 J	Nickel	0.98 J/ 0.98 J
		Beryllium	0.05 J/ 0.07 J	Selenium	0.71 J/ 0.33 J
		Chromium	6.5/ 6.0		
	11-SB-03/ 11-SB-03D 4 - 6' interval	**VOCs (µg/kg)**			
		Acetone		96/ 210	
		SVOCs (µg/kg)			
		Di-n-Butylphthalate		64 J/ 46 J	

Table 1-7 (continued)
Summary of Field Duplicate Results
for Samples Collected from all Sites

Sample Matrix	Sample Identification	Results[1]			
		Pesticides and PCBs/ Herbicides (µg/kg)			
		No compounds detected			
		Metals (mg/kg)			
		Barium	3.0 J/ 2.7 J	Lead	1.8/ 0.88
		Cadmium	0.81 J/ 0.73 U	Vanadium	1.7 J/ 1.6 J
Surface Soil	05-SS-03/ 05-SS-03D	**VOCs (µg/kg)**			
		Acetone		12000/ 17000	
		SVOCs (µg/kg)			
		bis(2-Ethylhexyl)Phthalate		790/ 710	
		Pesticides and PCBs/ Herbicides (µg/kg)			
		No compounds detected			
		Metals (mg/kg)			
		Barium	3.0 J/ 3.0 J	Vanadium	3.4 J/ 3.2 J
		Beryllium	0.15 J/ 0.11 J	Zinc	15.9/ 11.9
		Chromium	6.2/ 6.1	Sulfide	5200U/ 5100
		Lead	5.3/ 5.5		

Table 1-7 (continued)
Summary of Field Duplicate Results
for Samples Collected from all Sites

Sample Matrix	Sample Identification	Results[1]			
Groundwater	KBA-5-4/KBA-5-4D	**VOCs (µg/L)**			
		None detected			
		SVOCs (µg/L)			
		None detected			
		Pesticides and PCBs/ Herbicides (µg/L)			
		None detected			
		Metals (µg/L)			
		Antimony	14.0 J/ 10.9 U	Copper	31.7/ 36.9
		Arsenic	15.9/ 18.0	Lead	22.0/ 25.2
		Barium	601/ 588	Nickel	40.2 J/ 42.7 J
		Beryllium	3.1 J/ 2.9 J	Selenium	2.0 J/ 1.6 J
		Cadmium	2.9 U/ 3.7 J	Thallium	1.6 J/ 1.5 J
		Chromium	103/ 101	Tin	232 J/ 208 U
		Cobalt	28.5 J/ 29.1 J	Zinc	153 J/ 177 J
		Vanadium	84.7/ 82.6	Sulfide	300/ 400

Table 1-7 (continued)
Summary of Field Duplicate Results
for Samples Collected from all Sites

Sample Matrix	Sample Identification	Results[1]			
	KBA-11-3/ KBA-11-3D	**VOCs (µg/L)**			
		1,4-Dichlorobenzene		13/ 15	
		Chlorobenzene		6/ 7	
		SVOCs (µg/L)			
		1,4-Dichlorobenzene		4 J/ 7 J	
		Pesticides and PCBs/ Herbicides (µg/L)			
		No compounds detected			
		Metals (µg/L)			
		Antimony	11.1 J/ 10.9 UJ	Nickel	19.6 U/ 42.2
		Barium	155 J/ 280	Selenium	24.5/ 26.0
		Beryllium	2.0 J/ 2.9 J	Vanadium	87.4/ 138
		Chromium	113/ 177	Zinc	54.8 U/ 102
		Cobalt	3.9 J/ 5.1 J	Cyanide	3.0 J/ 1.8 U
		Lead	18.8 J/ 14.8 J	Sulfide	600/ 1000
		Mercury	0.60 J/ 0.67 J		

Notes:

[1]Numbers separated by a slash indicate respective concentrations of an analyte in replicate samples identified similarly under the heading for sample identification.

U = undetected at the stated detection limit
J = concentration value estimated. Either below CRQL or due to non-rejectable QA problems.

2.0 GROUNDWATER SAMPLING EVENT NO. 2

This section summarizes the analytical program for groundwater samples collected during groundwater sampling event No.2 at NSB Kings Bay. In addition, it presents an assessment of data quality and useability.

2.1 CHEMICAL ANALYSES. Sampling activities during the second groundwater sampling event at NSB Kings Bay included the collection of 22 groundwater samples, including two duplicate samples. All samples were collected in accordance with the procedures outlined in the Quality Assurance Project Plan, Appendix A of the NSB Kings Bay Work Plan (ABB-ES, 1991). Samples were submitted to CH2M HILL Laboratories in Montgomery, Alabama, for chemical analyses. Table 2-1 summarizes the sampling and analysis program for samples collected from Sites 5, 11, and 16 during the second sampling event. Samples were analyzed in accordance with USEPA SW-846 methods (USEPA, 1986) and NEESA Level C documentation for Appendix IX volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), dioxins and furans, organochlorine and organophosphorous pesticides, polychlorinated biphenyls (PCBs), herbicides, and inorganic analytes (including total cyanide and sulfide) (NEESA, 1988). Table 2-2 provides a list of Appendix IX compounds and corresponding EPA analytical method numbers.

2.2 DATA QUALITY ASSESSMENT. All groundwater samples collected during the RFI/SI were properly preserved, placed in coolers, and packed with bagged ice immediately after their collection. All samples remained in the custody of the field operations leader until delivery to the courier service providing overnight shipment to the laboratory. All samples were shipped, complete with chain-of-custody forms, to CH2M HILL Laboratories within 24 hours for analysis. Upon arrival at CH2M HILL, the chain-of-custody and preservation of the samples was checked with the contents of each cooler by CH2M HILL personnel. After verification, the chain-of-custody form was signed by CH2M HILL personnel and the samples accepted for analysis.

Review of the field notebook and chain-of-custody forms did not indicate any non-conformance relative to field instrument calibration or sample handling. All required field quality control (QC) samples were collected in conformance with the requirements of the USEPA, NEESA, and ABB-ES Quality Assurance Plans and the June 1988 NEESA "Sampling and Chemical Analysis Quality Assurance Requirements for the Navy Installation Restoration Program" (NEESA 1988). These field QC samples include field duplicates, equipment rinseate blanks, source water blanks, and VOC trip blanks for each VOC sample shipment.

The analytical results for environmental samples collected during groundwater sampling event No. 2 were evaluated and validated according to NEESA Level C quality control criteria in order to determine data quality and useability. The data tables included in Appendix A reflect validation according to Level C criteria. These criteria are described in Section 7.3.2 of NEESA Document 20.2-047B. The following subsections discuss analytical performance and the evaluation of field and laboratory QC samples.

Table 2-1 Summary of Sampling and Analysis Program

Location and Type of Sampling	Laboratory Analysis					
	A	B	C	D	E	F
Site 5						
Groundwater	7	7	7	7	7	7
Site 11						
Groundwater	9	9	9	9	9	9
Site 16						
Groundwater	4	4	4	4	4	4
Field Duplicates						
Groundwater	2	2	2	2	2	2
Quality Control Samples						
Trip Blanks	5	0	0	0	0	0
Rinseate Blanks	5	5	5	5	5	5
Field Blanks	2	2	2	2	2	2

A - Appendix IX Volatile Organic Compounds (VOCs)
B - Appendix IX Semivolatile Organic Compounds (SVOCs)
C - Appendix IX Organochlorine pesticides and PCBs
D - Appendix IX Inorganic constituents (including cyanide and sulfide)
E - Appendix IX Dioxins and Furans
F - Appendix IX Herbicides and Organophosphorous pesticides

Table 2-2 Appendix IX, Groundwater Monitoring List

Volatile Organic Compounds (58 total)
SW-846 Method 8240

Chloromethane	Tetrachloroethene
Bromomethane	1,1,2,2-Tetrachloroethane
Vinyl Chloride	Toluene
Chloroethane	Chlorobenzene
Methylene Chloride	Ethylbenzene
Acetone	Styrene
Carbon Disulfide	Xylene (total)
Trichlorofluoromethane	1,3-Dichlorobenzene
1,1-Dichloroethene	1,4-Dichlorobenzene
1,1-Dichloroethane	1,2-Dichlorobenzene
1,2-Dichloroethene (total)	Acrolein
Chloroform	Iodomethane
1,2-Dichloroethane	Acrylonitrile
2-Butanone	Dibromomethane
1,1,1-Trichloroethane	Ethyl Methacrylate
Carbon Tetrachloride	1,2,3-Trichloropropane
Vinyl Acetate	trans-1,4-Dichloro-2-Butene
Bromodichloromethane	Acetonitrile
1,2-Dichloropropane	3-Chloropropene
cis-1,3-Dichloropropene	Propionitrile
Trichloroethene	Methacrylonitrile
Dibromochloromethane	1,4-Dioxane
1,1,2-Trichloroethane	Methyl Methacrylate
Benzene	1,2-Dibromoethane
trans-1,3-Dichloropropene	1,1,1,2-Tetrachloroethane
2-Chloroethylvinylether	1,2-Dibromo-3-Chloropropane
Bromoform	Pentachloroethane
2-Hexanone	Isobutyl alcohol
4-Methyl-2-Pentanone	Chloroprene

Semivolatile Organic Compounds (acid fraction)
SW-846 Method 8270 (18 total)

Phenol	2,4-Dichlorophenol
2,6-Dichlorophenol	4-Chloro-3-Methylphenol
2-Chlorophenol	2,4,6-Trichlorophenol
2-Methylphenol	2,4,5-Trichlorophenol
2,3,4,6-Tetrachlorophenol	2,4-Dinitrophenol
3-Methylphenol	4-Nitrophenol
4-Methylphenol	4,6-Dinitro-2-Methylphenol
2-Nitrophenol	2,4-Dimethylphenol
Benzoic Acid	Pentachlorophenol

Table 2-2 (continued) Appendix IX, Groundwater Monitoring List

Semivolatile Organic Compounds (base/neutral fraction)
SW-846 Method 8270 (93 total)

N-Nitrosodimethylamine	Di-n-Octyl Phthalate
Aniline	Benzo(b)Fluoranthene
bis(2-Chloroethyl)Ether	Benzo(k)Fluoranthene
1,3-Dichlorobenzene	Benzo(a)Pyrene
1,4-Dichlorobenzene	Indeno(1,2,3-cd)Pyrene
Benzyl Alcohol	Dibenz(a,h)Anthracene
1,2-Dichlorobenzene	Benzo(g,h,i)Perylene
bis(2-Chloroisopropyl)Ether	2-Picoline
N-Nitroso-Di-n-Propylamine	Methyl methanesulfonate
Hexachloroethane	Ethyl methanesulfonate
Nitrobenzene	Acetophenone
Isophorone	N-Nitrosopiperidine
bis(2-Chloroethoxy)Methane	Phenyl-tert-butylamine
1,2,4-Trichlorobenzene	N-Nitroso-di-n-butylamine
Naphthalene	N-Nitrosodiethylamine
4-Chloroaniline	N-Nitrosopyrrolidine
Hexachlorobutadiene	Benzidine
2-Methylnaphthalene	1,2,4,5-Tetrachlorobenzene
Hexachlorocyclopentadiene	Pentachlorobenzene
2-Chloronaphthalene	1-Naphthylamine
2-Nitroaniline	2-Naphthylamine
Dimethylphthalate	Diphenylamine
Acenaphthylene	Phenacetine
2,6-Dinitrotoluene	4-Aminobiphenyl
3-Nitroaniline	Pentachloronitrobenzene
Acenaphthene	Pronamide
Dibenzofuran	p-Dimethylaminoazobenzene
2,4-Dinitrotoluene	3-Methylcholanthrene
Diethylphthalate	7,12-Dimethylbenz(a)Anthracene
4-Chlorophenyl-phenylether	Pyridine
Fluorene	N-Nitrosomethylethylamine
4-Nitroaniline	N-Nitrosomorpholine
N-Nitrosodiphenylamine	o-Toluidine
1,2-Diphenylhydrazine	Hexachloropropene
4-Bromophenyl-phenylether	p-Phenylenediamine
Hexachlorobenzene	Safrole
Aramite	Isosafrole
Phenanthrene	1,4-Napthoquinone
Anthracene	1,3-Dinitrobenzene
Di-n-Butylphthalate	5-Nitro-o-toluidine
Fluoranthene	1,3,5-Trinitrobenzene
Pyrene	4-Nitroquinoline-1-oxide
Butylbenzylphthalate	Methapyrilene
3,3'-Dichlorobenzidine	3,3'Dimethylbenzidine
Benzo(a)Anthracene	2-Acetamidofluorene
Chrysene	Hexachlorophene
bis(2-Ethylhexyl)Phthalate	

Table 2-2 (continued) Appendix IX, Groundwater Monitoring List

Chlorinated Dibenzofurans and Dibenzo-p-dioxins
SW-846 Method 8280 (7 total)

Tetrachlorodibenzo-p-dioxins (TCDDs) (total)
2,3,7,8- TCDD (total)
Pentachlorodibenzo-p-dioxins (PeCDDs) (total)
Hexachlorodibenzo-p-dioxins (HeCDDs) (total)
Tetrachlorodibenzofurans (TCDFs) (total)
Pentachlorodibenzofurans (PeCDFs) (total)
Hexachlorodebenzofurans (HeCDFs) (total)

Organochlorine Pesticide and PCB Compounds (30 total)
SW-846 Method 8080

alpha-BHC	4,4'-DDT
beta-BHC	Methoxychlor
delta-BHC	Chlordane
gamma-BHC (Lindane)	Toxaphene
Heptachlor	Aroclor-1016
Aldrin	Aroclor-1221
Heptachlor epoxide	Aroclor-1232
Endosulfan I	Aroclor-1242
Dieldrin	Aroclor-1248
4,4'-DDE	Aroclor-1254
Endrin	Aroclor-1260
Endosulfan II	Kepone
4,4'-DDD	Chlorobenzilate
Endrin aldehyde	Diallate
Endosulfan Sulfate	Isodrin

Organophosphorous Pesticide Compounds (9 total)
SW-846 Method 8140

Triethylphosphorothioate	Disulfoton
Thionazin	Methyl Parathion
Sulfotepp	Ethyl Parathion
Phorate	Famphur
Dimethoate	

Chlorinated Herbicide Compounds (4 total)
SW-846 Method 8150

2,4-D	Silvex	2,4,5-T	Dinoseb

Table 2-2 (continued) Appendix IX, Groundwater Monitoring List

Inorganic Analytes (19 total) **SW-846 Methods**		
Antimony	Copper	Thallium
Arsenic	Lead	Vanadium
Barium	Mercury	Zinc
Beryllium	Nickel	Tin
Cadmium	Selenium	Cyanide
Chromium	Silver	Sulfide
	Cobalt	

2.2.1 Analytical Performance Review of analytical data indicated that the laboratory generally met applicable analytical QC criteria for all chemical analyses. Extraction and analysis holding times for all sample lots (except for three herbicide extractions) were met. The data review and validation were performed under a subcontract to Heartland Environmental Services, Inc., St. Peters, Missouri.

For VOC and SVOC analyses, all tuning criteria, holding times, internal standard/surrogate recoveries, precision, and accuracy criteria were met. However, several continuing calibration check standards contained compounds with percent differences exceeding QC limits. Sample results for compounds associated with the differences have been appropriately qualified as estimated and flagged with a "J". Sample quantitation limits for compounds associated with the differences have been appropriately qualified as estimated and flagged with a "UJ." All sample results qualified as estimated are considered useable data.

Analytical blanks associated with certain VOC sample analyses contained detectable concentrations of acetone and methylene chloride. Acetone and methylene chloride are common laboratory solvents and are frequently observed artifacts in laboratory method blanks. Table 2-3 summarizes VOC method blank analytical results.

Analytical blanks associated with SVOC sample analyses contained detectable concentrations of di-n-butylphthalate. Phthalate compounds are common laboratory and field contaminants which may originate from many types of plastic gloves, containers, and tubing used during field and laboratory operations. Table 2-3 summarizes SVOC method blank analytical results.

Qualifications of sample results for VOC and SVOC compounds associated with blank contamination are made according to NEESA Level C quality control guidelines and are as follows:

- If a chemical is present in a method blank, but not in associated samples, the sample results are reported unqualified at the CRQL. For the five common VOC and SVOC laboratory contaminants the CRQL is as follows:

	Aqueous CRQL
Methylene chloride	5 µg/l
Acetone	10 µg/l
2-butanone	10 µg/l
Toluene	5 µg/l
Phthalates	10 µg/l

- If a chemical is present in the sample above the CRQL, but less than 5 times the concentration detected in the associated blanks (10 times for the chemicals listed above), qualify the result as undetected, "U". The "U" designation signifies that the chemical was analyzed for but not detected.

Table 2-3 Summary of VOC and SVOC Analysis of Method Blanks Associated with Samples Collected from all Sites

Blank Analysis Results				Associated Samples
Method Blank ID	Compound	Concentration (μg/l)	CRQL[a] (μg/l)	Sample ID
X05082B1	Methylene Chloride	4 J	5	BT-12-FB, BS-12-ER, BT-13-FB, BS-13-ER, KBA-5-3, KBA-5-4, KBA-16-1, KBA-16-2, KBA-16-3, KBA-16-4
	Acetone	10	10	
X05132B1	Methylene Chloride	1 J	5	BT-14-FB, BS-14-ER, BT-15-FB, BS-15-ER, KBA-5-1, KBA-5-2, KBA-5-5, KBA-5-5D, KBA-5-6, KBA-5-7, KBA-11-1, KBA-11-8, KBA-11-9
	Acetone	7 J	10	
X05142B1	Methylene Chloride	1 J	5	BS-4-FB, BS-5-FB, BT-16-FB, KBA-11-2, KBA-11-2D, KBA-11-3, KBA-11-4, KBA-11-5, KBA-11-6, KBA-11-7
X05152B2	Methylene Chloride	3 J	5	BS-16-ER
	Acetone	5 J	10	
C05112B1	Di-n-butylphthalate	3 J	10	BS-13-ER, KBA-16-1, KBA-16-2, KBA-5-3, KBA-5-4
C05112B2	Di-n-butylphthalate	4 J	10	BS-14-ER, BS-15-ER, KBA-5-1, KBA-5-2, KBA-5-5, KBA-5-5D, KBA-5-6, KBA-5-7, KBA-11-1, KBA-11-8, KBA-11-9
C05112B3	Di-n-butylphthalate	5 J	10	BS-16-ER, KBA-11-2, KBA-11-2D, KBA-11-3, KBA-11-4, KBA-11-7, BS-5-FB

Notes: J = indicates that the reported concentration is estimated because it is below the CRQL
μg/l = micrograms per liter
[a]Contract required quantitation limit

- If the sample result is below the CRQL and less than 5 times the blank value (10 times for the chemicals listed above), qualify by reporting as undetected at the CRQL.

- If the chemical is present in the sample at greater than 5 times the concentration in the method blank (10 times for the above chemicals), report as an unqualified result (i.e. the analyte is present).

Herbicide extraction holding times for three samples (BS-12-ER, KBA-16-3, and KBA-16-4) were exceeded by two days. Associated sample quantitation limits have been appropriately qualified as estimated and flagged with a "UJ".

For inorganic analyses, all holding times were met. Two matrix spike results for arsenic and cyanide and one matrix spike result for lead and selenium were below QC limits. Associated sample results and quantitation limits have been appropriately qualified as estimated. Several inorganics were detected in method blanks. Table 2-4 summarizes inorganic preparation and calibration blank analytical results. Inorganic results for environmental samples, in which concentrations of metals were also found in associated blanks, are designated undetected if the concentration in the sample is below CRQL and less than five times the blank value. For sample concentrations between 5 and 10 times that found in a blank that exhibited negative bias for an inorganic analyte, the sample results are qualified as estimated. No qualification is required if the sample value is more than 5 times the blank value and there is no negative bias, or more than 10 times the blank value if there is negative basis. All sample results qualified as estimated are considered useable data.

2.2.2 Evaluation of Field QC Samples Two field blanks, five trip blanks, and five rinseate blanks were collected during the second groundwater sampling event. One field blank, BS-4-FB, represents organic-free, deionized water which was used as a final rinse during equipment decontamination procedures and one field blank, BS-5-FB, represents regular deionized water which was used as an intermediate rinse during equipment decontamination procedures. The five equipment rinseate samples were collected during decontamination procedures involving teflon bailers.

No pesticides, PCBs, herbicides, dioxins, or furans were found in field blanks or rinseate blanks. Two SVOCs, diethylphthalate and bis(2-ethylhexyl)phthalate, were detected in rinseate blanks as shown in Table 2-5. Phthalate compounds are common laboratory and field contaminants which may originate from certain types of plastic gloves, containers, and tubing used during field and laboratory operations. The concentrations of these particular phthalates found in rinseate blanks and in corresponding method blanks are considered in interpretation of the results of the environmental samples. Occurrence of the observed levels in rinseate blanks and method blanks is common and do not constitute grounds for data rejection.

Several inorganics were detected in field blanks and rinseate blanks as shown in Table 2-5. Concentrations for all but two inorganic analytes are well below the CRQL. Blanks containing inorganic analytes below the CRQL are far below any regulatory limit in water, but will be considered in the evaluation of environmental samples.

Table 2-4 Summary of Inorganic Analysis of Preparation Blanks Associated with Samples Collected from all Sites

Sample Delivery Group No.	Blank Analysis Results			Associated Samples
	Compound	Concentration (µg/l)	CRQL[a] (µg/l)	
21599	Barium	0.5 J	200	BS-12-ER, KBA-16-3, BS-14-ER, KBA-16-4, KBA-5-1, KBA-5-2, KBA-5-5, KBA-5-5D, KBA-5-6, KBA-5-7, BS-15-ER, KBA-11-1, KBA-11-2, KBA-11-2D, KBA-11-7, KBA-11-8, KBA-11-9
21628	Lead	0.7 J	5	
21644	Zinc	5.0 J	20	
	Cadmium	-1.7 J	5	
	Vanadium	-1.4 J	50	
21616	Barium	1.4 J	200	BS-13-ER, KBA-16-1, KBA-16-2, KBA-5-3, KBA-5-4, KBA-11-3, BS-4-FB,BS-5-FB, BS-16-ER, KBA-11-4, KBA-11-5, KBA-11-6
21652	Mercury	0.1 J	0.2	
	Zinc	7.8 J	20	
	Nickel	-7.8 J	40	

Notes: [a]Contract required quantitation limit
J = indicates that the reported concentration is estimated because it is below the CRQL
µg/l = micrograms per liter

Table 2-5 Summary of Trip Blanks and Field Blanks Associated with Samples Collected from all Sites

Compounds Detected	CRQL	Sample Identification				
				Trip Blanks		
		BT-12-FB	**BT-13-FB**	**BT-14-FB**	**BT-15-FB**	**BT-16-FB**
VOCs (µg/l)						
Chloroform	5	4 J	5 U	4 J	5 U	5 U
2-Butanone	10	10 U	18	11	15	10 U
Xylene (total)	5	1 J	5 U	5 U	5 U	5 U
				Equipment Rinseate Blanks		
		BS-12-ER	**BS-13-ER**	**BS-14-ER**	**BS-15-ER**	**BS-16-ER**
VOCs (µg/l)						
Acetone	10	100 U	72 U	280	210	58
Chloroform	5	8	11	3 J	2 J	9
2-Butanone	10	71	42	170	220	27
Bromodichloromethane	5	2 J	4 J	5 U	5 U	4 J
Dibromochloromethane	5	5 U	2 J	5 U	5 U	2 J
Chlorobenzene	5	2 J	5 U	2 J	2 J	5 U
Acetonitrile	100	36 J	100 U	100 U	100 U	100 U
3-Chloropropene	5	3 J	5 U	5	5 U	5 U
SVOCs (µg/l)						
bis(2-Ethylhexyl) Phthalate	10	10 U	3 J	10 U	10 U	10 U
Inorganics (µg/l)						
Chromium	10	3.3 U	3.3 U	6.0 J	3.3 U	3.3 U
Copper	25	28.9	33.0	205	51.6	108
Lead	5	1.8 U	0.90 J	2.1 U	1.0 U	0.90 J
Nickel	40	7.8 U	7.8 UJ	7.8 U	7.8 U	9.0 J
Thallium	10	0.80 U	0.90 J	0.80 U	0.80 U	0.80 U
Zinc	20	7.0 U	6.0 U	21.6	8.3 U	16.1 U

See notes at end of table.

Table 2-5 (continued) Summary of Trip Blanks and Field Blanks Associated with Samples Collected from all Sites

Compounds Detected	CRQL	Sample Identification		
		Field Blanks		
			BS-4-FB	**BS-5-FB**
VOCs (µg/l)				
Acetone		10	35 J	10 UJ
Trichlorofluoromethane		5	5 U	2 J
Chloroform		5	16	5 U
2-Butanone		10	28	10 U
Bromodichloromethane		5	6	5 U
Dibromochloromethane		5	3 J	5 U
Chlorobenzene		5	2 J	5 U
SVOCs (µg/l)		None Detected		
Diethylphthalate		10	2 J	10 U
bis(2-Ethylhexyl) Phthalate		10	3 J	10 U
Pesticides/PCBs/Herbicides		None Detected		
Inorganics (µg/l)				
Chromium		10	4.1 J	3.3 U
Copper		25	15.2 J	1.1 U
Lead		5	0.90 J	0.50 U

Notes:

* Trip blanks are analyzed for VOCs only.

J = estimated value
U = not detected at the reported value
µg/l = micrograms per liter

Zinc was detected in all five rinseate blanks and was also present in their corresponding preparation blanks. For four rinsates the result for zinc was qualified as undetected because the concentration in the rinseate sample was less than five times the concentration in the preparation blank. The result for the fifth rinseate blank (BS-14-ER) could not be qualified as undetected based on Level C validation guidelines; however, the result of 20 μg/l is considered biased high. Concentrations of copper in rinseate blanks exceeded the CRQL of 25 μg/l. Copper was also detected in the field blank and is representative of the source water used to collect these rinseate blanks. Both copper and zinc were detected in associated environmental samples but at much lower concentrations. The presence of copper and zinc in rinseate samples does not affect the interpretability of the data since concentrations are far below any regulatory limit, but the reported concentrations of copper and zinc in environmental samples may be biased high.

The VOCs chloroform, 2-butanone, and xylene were detected in four trip blanks as shown in Table 2-5. Several VOCs, including acetone, were detected in field blanks and rinseate blanks. As discussed in Section 2.2.1, method blanks associated with several of these rinseate blanks and field blanks also contained acetone. The occurrence of the observed levels of acetone in blanks is common and does not constitute grounds for data rejection.

None of the environmental samples associated with the trip blanks or rinseate blanks that contained detectable levels of VOCs contained these particular compounds. Chloroform, bromodichloromethane, and chlorodibromomethane are trihalomethanes which form in water chlorinated for drinking water disinfection. They also frequently occur in laboratory, deionized, organic-free water (ASTM Type II) water due to carry over in distillation and deionization. However, the water used during rinseate collection was carbon filtered and should not have contained organic compounds. Chlorobenzene, chloroform, bromodichloromethane, 2-butanone, and chlorodibromomethane were also detected in the field blanks representing organic-free water (BS-4-FB), but were not present in the field blank representing regular deionized water. A possible source of organics in the water is the improper maintenance of the charcoal filters used during filtering processes. Chlorobenzene was the only VOC found in BS-4-FB that was also detected in environmental samples. The presence of chlorobenzene in the field blank will be considered in evaluation of sample results.

Based on USEPA guidelines, organic-free water which has been treated with activated carbon and deionizing units should contain no pesticides, herbicides, extractable organic compounds (SVOCs), and less than 50 μg/l of purgeable organic compounds (VOCs) (USEPA, 1991). The field blank BS-4-FB contained an estimated 90 μg/l VOCs. Due to the extent of contamination in the organic-free, deionized water, ABB-ES will obtain the organic-free water required for final decontamination rinsing from an alternate source during future groundwater sampling events.

Review of the field duplicates showed good agreement for groundwater with the exception of one analyte in groundwater sample, KBA-5-5 (Table 2-6). During field duplicate comparisons, where an analyte was not detected in one groundwater replicate it was present at less than three times the quantitation limit in the duplicate. Variation in groundwater replicate results is common when an analyte is present in the replicates at or near the detection limit. Bis(2-ethylhexyl)phthalate was detected in one replicate (KBA-5-5) at 18 μg/l and undetected in the other replicate (KBA-5-5D) (see Table 2-6). As previously

mentioned, phthalate compounds are common laboratory and field contaminants. The detection of this particular phthalate compound in one replicate but not the other is most likely indicative of laboratory or sampling contamination; however, the presence of bis(2-ethylhexyl)phthalate will be considered in the evaluation of this sample.

Table 2-6 Summary of Field Duplicate Results for Groundwater Samples Collected from all Sites

Sample Identification	Results[1]			
	VOCs (µg/l)			
KBA-5-5/KBA-5-5D	None detected			
	SVOCs (µg/l)			
	bis(2-Ethylhexyl)Phthalate	18/ 10 U		
	Pesticides and PCBs/ Herbicides (µg/l)			
	None detected			
	Metals (µg/l)			
	Arsenic	22.5 J/ 24.0 J	Lead	17.8/ 16.9
	Barium	187 J/ 187 J	Nickel	24.3 J/ 24.7 J
	Beryllium	2.6 J/ 2.3 J	Selenium	3.3 J/ 2.5 J
	Cadmium	1.3 U/ 3.1 J	Thallium	1.1 J/ 1.3 J
	Chromium	30.8/ 30.2	Vanadium	42.1 J/ 37.6 J
	Cobalt	14.7 J/ 13.0 J	Zinc	62.9/ 62.2
	Copper	9.6 J/ 9.8 J	Sulfide	1200/ 1300

See notes at end of table.

Table 2-6 (continued) Summary of Field Duplicate Results for Groundwater Samples Collected from all Sites

Sample Identification	Results[1]			
	VOCs (µg/l)			
KBA-11-2/ KBA-11-2D	**VOCs (µg/l)**			
	Vinyl Chloride	64/ 100		
	1,2-Dichloroethene	16/ 22		
	Trichloroethene	5 U/ 1 J		
	Tetrachloroethene	1 J/ 1 J		
	Toluene	5 U/ 1 J		
	Xylene (total)	2 J/ 4 J		
	SVOCs/ Pesticides and PCBs/ Herbicides (µg/l)			
	No compounds detected			
	Metals (µg/l)			
	Barium	26.2 J/ 25.9 J	Selenium	2.7 J/ 2.9 J
	Beryllium	1.7 J/ 1.7 J	Vanadium	20.2 J/ 24.5 J
	Chromium	38.1/ 37.2	Cyanide	6.1 J/ 6.1 J
	Copper	6.4 J/ 6.2 J	Sulfide	2600/ 1000
	Lead	4.5/ 5.6		

Notes:
µg/l = micrograms per liter
[1]Numbers separated by a slash indicate respective concentrations of an analyte in replicate samples identified similarly under the heading for sample identification.
U = undetected at the stated detection limit
J = concentration value estimated. Either below CRQL or due to non-rejectable QA problems.

3.0 GROUNDWATER SAMPLING EVENT NO. 3

This section summarizes the analytical program for groundwater samples and surface soil samples collected during groundwater sampling event No. 3 at NSB Kings Bay. In addition, it presents an assessment of data quality and useability.

3.1 CHEMICAL ANALYSES. Sampling activities during the third groundwater sampling event at NSB Kings Bay included the collection of 22 groundwater samples, including two duplicate samples and eight surface soil samples, including one duplicate. All samples were collected in accordance with the procedures outlined in the Quality Assurance Project Plan, Appendix A of the NSB Kings Bay Work Plan (ABB-ES, 1991). Samples were submitted to CH2M HILL Laboratories in Montgomery, Alabama, for chemical analyses. Table 3-1 summarizes the sampling and analysis program for samples collected from Sites 5, 11, and 16 during the third sampling event. Samples were analyzed in accordance with USEPA SW-846 methods (USEPA, 1986) and NEESA Level C documentation (NEESA, 1988) for a modified list of Appendix IX volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), inorganic analytes (including total cyanide and sulfide), total dissolved solids (TDS), and total suspended solids (TSS). Table 3-2 provides the modified list of Appendix IX compounds and corresponding EPA analytical method numbers.

3.2 DATA QUALITY ASSESSMENT. All groundwater samples collected during the RFI/SI were properly preserved, placed in coolers, and packed with bagged ice immediately after their collection. All samples remained in the custody of the field operations leader until delivery to the courier service providing overnight shipment to the laboratory. All samples were shipped, complete with chain-of-custody forms, to CH2M HILL Laboratories within 24 hours for analysis. Upon arrival at CH2M HILL, the chain-of-custody and preservation of the samples was checked with the contents of each cooler by CH2M HILL personnel. After verification, the chain-of-custody form was signed by CH2M HILL personnel and the samples accepted for analysis.

Review of the field notebook and chain-of-custody forms did not indicate any non-conformance relative to field instrument calibration or sample handling. All required field quality control (QC) samples were collected in conformance with the requirements of the USEPA, NEESA, and ABB-ES Quality Assurance Plans and the June 1988 NEESA "Sampling and Chemical Analysis Quality Assurance Requirements for the Navy Installation Restoration Program" (NEESA, 1988) (Document 20.2-047B). These field QC samples include field duplicates, equipment rinseate blanks, source water blanks, and VOC trip blanks for each VOC sample shipment.

The analytical results for environmental samples collected during groundwater sampling event No. 3 were evaluated and validated according to NEESA Level C quality control criteria in order to determine data quality and useability. The data tables included in Appendix A reflect validation according to Level C criteria. These criteria are described in Section 7.3.2 of NEESA Document 20.2-047B. The following subsections discuss analytical performance and the evaluation of field and laboratory QC samples.

Table 3-1 Summary of Sampling and Analysis Program

Location and Type of Sampling	Laboratory Analysis				
	A	B	C	D	E
Site 5					
Groundwater	7	0	7	14	7
Surface Soil	0	0	7	0	0
Site 11					
Groundwater	9	0	0	18	9
Site 16					
Groundwater	4	4	0	8	4
Field Duplicates					
Groundwater	2	1	1	4	2
Surface Soil	0	0	1	0	0
Quality Control Samples					
Trip Blanks	5	0	0	0	0
Rinseate Blanks	4	1	3	4	4
Field Blanks	2	2	2	3	2

A - Volatile Organic Compounds (VOCs)
B - Semivolatile Organic Compounds (SVOCs)
C - Polychlorinated biphenyls (PCBs)
D - Inorganic constituents (including cyanide and sulfide)
E - Total Dissolved Solids (TDS) and Total Suspended Solids (TSS)

Table 3-2 Compounds and Analytical Methods for Groundwater Sampling Event No. 3

Parameter: **Volatile Organic Compounds (38 total)**
TCL List plus 4 additional compounds
Method: **SW-846 Method 8240**

Chloromethane	cis-1,3-Dichloropropene
Bromomethane	Trichloroethene
Vinyl Chloride	Dibromochloromethane
Chloroethane	1,1,2-Trichloroethane
Methylene Chloride	Benzene
Acetone	trans-1,3-Dichloropropene
Carbon Disulfide	Bromoform
Trichlorofluoromethane*	2-Hexanone
1,1-Dichloroethene	4-Methyl-2-Pentanone
1,1-Dichloroethane	Tetrachloroethene
1,2-Dichloroethene (total)	1,1,2,2-Tetrachloroethane
Chloroform	Toluene
1,2-Dichloroethane	Chlorobenzene
2-Butanone	Ethylbenzene
1,1,1-Trichloroethane	Styrene
Carbon Tetrachloride	Xylene (total)
Vinyl Acetate	1,3-Dichlorobenzene*
Bromodichloromethane	1,4-Dichlorobenzene*
1,2-Dichloropropane	1,2-Dichlorobenzene*

* Non-TCL compounds

Parameter: **Polychlorinated Biphenyls (PCBs) (7 total)**
Method: **SW-846 Method 8080**

Aroclor-1016	Aroclor-1221	Aroclor-1232
Aroclor-1242	Aroclor-1248	Aroclor-1254
	Aroclor-1260	

Parameter: **Appendix IX Inorganic Analytes (19 total)**
Method: **SW-846 Methods (listed in parentheses)**

Antimony (6010)	Copper (6010)	Thallium (7841)
Arsenic (7060)	Lead (7421)	Vanadium (6010)
Barium (6010)	Mercury (7470)	Zinc (6010)
Beryllium (6010)	Nickel (6010)	Tin (6010)
Cadmium (6010)	Selenium (7740)	Cyanide (9010)
Chromium (6010)	Silver (6010)	Sulfide (9030)
	Cobalt (6010)	

Table 3-2 (continued) Compounds and Analytical Methods for Groundwater Sampling Event No. 3

Parameter: **Semivolatile Organic Compounds (base/neutral fraction) TCL List (base/neutral fraction)**
Method: **SW-846 Method 8270 (50 total)**

bis(2-Chloroethyl)Ether
1,3-Dichlorobenzene
1,4-Dichlorobenzene
Benzyl Alcohol
1,2-Dichlorobenzene
bis(2-Chloroisopropyl)Ether
N-Nitroso-Di-n-Propylamine
Hexachloroethane
Nitrobenzene
Isophorone
bis(2-Chloroethoxy)Methane
1,2,4-Trichlorobenzene
Naphthalene
4-Chloroaniline
Hexachlorobutadiene
2-Methylnaphthalene
Hexachlorocyclopentadiene
2-Chloronaphthalene
2-Nitroaniline
Dimethylphthalate
Acenaphthylene
2,6-Dinitrotoluene
3-Nitroaniline
Acenaphthene
Dibenzofuran
2,4-Dinitrotoluene
Diethylphthalate
4-Chlorophenyl-phenylether
Fluorene
4-Nitroaniline
N-Nitrosodiphenylamine
4-Bromophenyl-phenylether
Hexachlorobenzene
Phenanthrene
Anthracene
Di-n-Butylphthalate
Fluoranthene
Pyrene
Butylbenzylphthalate
3,3'-Dichlorobenzidine
Benzo(a)Anthracene
Chrysene
bis(2-Ethylhexyl)Phthalate
Di-n-Octyl Phthalate
Benzo(b)Fluoranthene
Benzo(k)Fluoranthene
Benzo(a)Pyrene
Indeno(1,2,3-cd)Pyrene
Dibenz(a,h)Anthracene
Benzo(g,h,i)Perylene

Parameter: **Total Dissolved Solids (TDS)/ Total Suspended Solids (TSS)**
Method: **Standard Methods-- Methods 2540C and 2540D**

3.2.1 Analytical Performance Review of analytical data indicated that the laboratory generally met applicable analytical QC criteria for all chemical analyses. Extraction and analysis holding times for all sample lots were met. The data review and validation were performed under a subcontract to Heartland Environmental Services, Inc., St. Peters, Missouri.

For VOC and SVOC analyses, all tuning criteria, holding times, internal standard/surrogate recoveries, precision, and accuracy criteria were met. However, several continuing calibration check standards contained compounds with percent differences exceeding QC limits. Sample results for compounds associated with the differences have been appropriately qualified as estimated and flagged with a "J". Sample quantitation limits for compounds associated with the differences have been appropriately qualified as estimated and flagged with a "UJ." All sample results qualified as estimated are considered useable data.

Analytical blanks associated with certain VOC sample analyses contained detectable concentrations of acetone and methylene chloride. Acetone and methylene chloride are common laboratory solvents and are frequently observed artifacts in laboratory method blanks. Qualifications of sample results for VOC compounds associated with blank contamination are made according to NEESA Level C quality control guidelines. Sample results for all compounds associated with acetone and methylene chloride contamination have been appropriately qualified as undetected because sample values were less than ten times the method blank concentration.

For inorganic analyses, all holding times were met. Two matrix spike results for lead and one matrix spike result for arsenic and thallium were below QC limits. One duplicate analysis for copper and zinc also exceeded QC limits. Associated sample results and quantitation limits have been appropriately qualified as estimated. Several inorganics were detected in method blanks. Table 3-3 summarizes inorganic preparation and calibration blank analytical results. Inorganic results for environmental samples, in which concentrations of metals were also found in associated blanks, are designated undetected if the concentration in the sample is below CRQL and less than five times the blank value. For sample concentrations between 5 and 10 times that found in a blank that exhibited negative bias for an inorganic analyte, the sample results are qualified as estimated. No qualification is required if the sample value is more than 5 times the blank value and there is no negative bias, or more than 10 times the blank value if there is negative basis. All sample results qualified as estimated are considered useable data.

3.2.2 Evaluation of Field QC Samples Three field blanks, five trip blanks, and five rinseate blanks were collected during the third groundwater sampling event. One field blank, BS-6-FB, represents organic-free, deionized water which was used as a final rinse during equipment decontamination procedures and one field blank, BS-8-FB, represents regular deionized water which was used as an intermediate rinse during equipment decontamination procedures. The third field blank, BS-7-FB, is a filter blank that represents organic free, deionized water that has been passed through a 0.45 micron filter. Four equipment rinseate samples were collected during decontamination procedures involving teflon bailers and one equipment rinseate sample was collected during decontamination procedures involving a hand auger.

Table 3-3 Summary of Inorganic Analysis of Preparation Blanks Associated with Samples Collected from all Sites

Sample Delivery Group No.	Blank Analysis Results: Compound	Concentration (μg/l)	CRQL[a] (μg/l)	Associated Samples		
22201	Barium	6.09 J	200	KBA-11-1F	KBA-11-3F	KBA-11-3D
22202	Copper	1.99 J	25	KBA-5-1F	KBA-5-3F	KBA-5-3D
	Chromium	-2.21 J	10	KBA-11-1	KBA-11-3	KBA-5-1
				KBA-5-3	KBA-5-2	KBA-5-2F
				KBA-11-4	KBA-11-5	KBA-11-6
				KBA-11-4F	KBA-11-5F	KBA-11-6F
				BS-18-ER		
22191	Chromium	2.45 J	10	KBA-11-2	KBA-11-2D	KBA-11-2F
22205	Cobalt	3.77 J	50	KBA-11-7	KBA-11-7F	KBA-11-8
	Copper	3.51 J	25	KBA-11-9	KBA-11-9F	KBA-16-1
	Zinc	12.9 J	20	KBA-16-1F	KBA-16-2	KBA-16-3
				KBA-16-3F	KBA-16-4	KBA-16-4F
				BS-17-ER	BS-19-ER	KBA-11-8F
				KBA-16-2F		
22208	Barium	0.67 J	200	BS-7-FB	BS-6-FB	BS-8-FB
	Beryllium	-0.46 J	5			
	Cobalt	-2.12 J	50			
22203	Barium	5.47 J	200	BS-20-ER	KBA-5-5	KBA-5-7
	Lead	2.74 J	5	KBA-5-4	KBA-5-7F	KBA-5-4F
	Antimony	-15.23 J	60	KBA-5-6	KBA-5-5D	KBA-5-6F
	Beryllium	-0.27 J	5	KBA-5-5F		
	Cobalt	-7.05 J	50			

Notes: [a]Contract required quantitation limit
J = indicates that the reported concentration is estimated because it is below the CRQL
μg/l = micrograms per liter

No VOCs, PCBs, or SVOCs were found in field blanks or rinseate blanks. Several inorganics were detected in field blanks and rinseate blanks as shown in Table 3-4. Concentrations for all but one inorganic analyte are well below the CRQL. Blanks containing inorganic analytes below the CRQL are far below any regulatory limit in water, but will be considered in the evaluation of environmental samples.

Zinc was detected in two rinseate blanks, BS-18-ER and BS-20-ER, and cannot be directly attributed to method blank or source water blank contamination. The concentration of zinc in BS-20-ER (22.8 μg/l) exceeds the CRQL of 20 μg/l. The presence of zinc in rinseate samples does not affect the interpretability of the data since concentrations in groundwater are far below any regulatory limit, but the reported concentrations of zinc in associated environmental samples may be biased high.

Review of the field duplicates showed good agreement for groundwater samples and soil soil samples. During field duplicate comparisons, where an analyte was not detected in one groundwater replicate it was present at less than three times the quantitation limit in the duplicate. Variation in groundwater replicate results is common when an analyte is present in the replicates at or near the detection limit. Groundwater replication for inorganic analytes may also vary by factors of two to five times due to the variation in the amount of suspended solids in each sample and due to the nature the inorganic constituents which are sorbed to those suspended solids.

Table 3-4 Summary of Rinseate Blanks and Field Blanks Associated with Samples Collected from all Sites

Compounds Detected	CRQL	Sample Identification				
		Rinseate Blanks			Field Blanks	
		BS-17-ER	BS-18-ER	BS-20-ER	BS-06-FB	BS-07-FB	BS-08-FB
Barium		1.0 J	6.4 U	9.5 U	1.0 U	0.57 U	1.3 U
Beryllium		0.24 U	0.20 U	0.24 UJ	0.28J	0.24 UJ	0.24 UJ
Copper		9.1 U	6.8 UJ	18.5 J	2.6 J	3.1 J	1.8 U
Lead		1.5 J	0.94 U	4.3 U	0.94 U	0.94 U	0.94 U
Zinc		12.9 U	14.9 J	22.8	7.6 U	7.6 U	7.6 U

4.0 GROUNDWATER SAMPLING EVENT NO.4

This section summarizes the analytical program for groundwater samples collected from monitoring wells at Site 11 during groundwater sampling event No. 4 at NSB Kings Bay. In addition, it presents an assessment of data quality and useability.

4.1 CHEMICAL ANALYSES. Sampling activities during the third groundwater sampling event at NSB Kings Bay included collection of 11 groundwater samples, including two duplicate samples. All samples were collected in accordance with procedures outlined in the Quality Assurance Project Plan, Appendix A of the NSB Kings Bay Work Plan (ABB-ES, 1991). Samples were submitted to CH2M HILL Laboratories in Montgomery, Alabama, for chemical analyses. Table 4-1 summarizes the sampling and analysis program for samples collected from Site 11 during the fourth sampling event. Samples were analyzed in accordance with USEPA SW-846 methods (USEPA, 1986) and Naval Energy and Environmental Support Activity (NEESA) Level C documentation (NEESA, 1988) for a modified list of Appendix IX VOCs, inorganic analytes (including total cyanide and sulfide), total dissolved solids (TDS), and total suspended solids (TSS). Table 4-2 is the modified list of Appendix IX compounds and corresponding U.S. Environmental Protection Agency (USEPA) analytical method numbers.

4.2 DATA QUALITY ASSESSMENT. All groundwater samples collected during the RFI/SI were properly preserved, placed in coolers, and packed with bagged ice immediately after collection. All samples remained in the custody of the field operations leader until delivery to the courier service providing over-night shipment to the laboratory. All samples were shipped, complete with chain-of-custody forms, to CH2M HILL Laboratories within 24 hours for analysis. Upon arrival at CH2M HILL, the chain-of-custody and preservation of the samples checked with the contents of each cooler by CH2M HILL personnel. After verification, the chain-of-custody form was signed by CH2M HILL personnel and the samples accepted for analysis.

Review of the field notebook and chain-of-custody forms did not indicate any non-conformance relative to field instrument calibration or sample handling. All required field quality control (QC) samples were collected in conformance with the requirements of the USEPA, NEESA, and ABB-ES Quality Assurance Plans and the June 1988 NEESA "Sampling and Chemical Analysis Quality Assurance Requirements for the Navy Installation Restoration Program" (NEESA, 1988) (Document 20.2-047B). These field QC samples include field duplicates, equipment rinseate blanks, source water blanks, and VOC trip blanks for each VOC sample shipment.

The analytical results for environmental samples collected during groundwater sampling event No. 4 were evaluated and validated according to NEESA Level C QC criteria to determine data quality and useability. The data tables included in Appendix A reflect validation according to Level C criteria. These criteria are described in Section 7.3.2 of NEESA Document 20.2-047B. The following subsections discuss analytical performance and the evaluation of field and laboratory QC samples.

Table 4-1 Summary of Sampling and Analysis Program for Site 11

Location and Type of Sampling	Laboratory Analysis			
	A	B	C	D
Site 11				
Groundwater	9	18	9	4
Field Duplicates				
Groundwater	1	2	1	1
Quality Control Samples				
Trip Blanks	2	0	0	1
Rinseate Blanks	2	2	2	1
Field Blanks	2	3	2	1

A - Volatile Organic Compounds (VOCs) (Method 8240)
B - Inorganic constituents (including cyanide and sulfide)
C - Total Dissolved Solids (TDS) and Total Suspended Solids (TSS)
D - Volatile Organic Compounds (VOCs) (Methods 8010/8020)

Table 4-2 Compounds and Analytical Methods for Groundwater Sampling Event No. 4 at Site 11

Parameter: **Volatile Organic Compounds (38 total)**
TCL List plus 4 additional compounds
Method: **SW-846 Method 8240**

Chloromethane	cis-1,3-Dichloropropene
Bromomethane	Trichloroethene
Vinyl Chloride	Dibromochloromethane
Chloroethane	1,1,2-Trichloroethane
Methylene Chloride	Benzene
Acetone	trans-1,3-Dichloropropene
Carbon Disulfide	Bromoform
Trichlorofluoromethane*	2-Hexanone
1,1-Dichloroethene	4-Methyl-2-Pentanone
1,1-Dichloroethane	Tetrachloroethene
1,2-Dichloroethene (total)	1,1,2,2-Tetrachloroethane
Chloroform	Toluene
1,2-Dichloroethane	Chlorobenzene
2-Butanone	Ethylbenzene
1,1,1-Trichloroethane	Styrene
Carbon Tetrachloride	Xylene (total)
Vinyl Acetate	1,3-Dichlorobenzene*
Bromodichloromethane	1,4-Dichlorobenzene*
1,2-Dichloropropane	1,2-Dichlorobenzene*

* Non-TCL compounds

Parameter: **Volatile Organic Compounds (35 total)**
Method: **SW-846 Method 8010/8020**

Benzene	cis-1,2-Dichloroethene
Bromodichloromethane	trans-1,2-Dichloroethene
Bromoform	1,2-Dichloropropane
Bromomethane	cis-1,3-Dichloropropene
Carbon tetrachloride	trans-1,3-Dichloropropene
Chlorobenzene	Ethyl Benzene
Chloroethane	Methyl tert butyl ether
2-Chloroethyl vinyl ether	Methylene chloride
Chloroform	1,1,2,2-Tetrachloroethane
Chloromethane	Tetrachloroethene
Dibromochloromethane	Toluene
1,2-Dichlorobenzene	1,1,1-Trichloroethane
1,3-Dichlorobenzene	1,1,2-Trichloroethane
1,4-Dichlorobenzene	Trichloroethene
Dichlorodifluoromethane	Trichlorofluoromethane
1,1-Dichloroethane	Vinyl chloride
1,2-Dichloroethane	Total Xylenes
1,1-Dichloroethene	

Table 4-2 (continued) Compounds and Analytical Methods for Groundwater Sampling Event No. 4 at Site 11

Parameter: **Appendix IX Inorganic Analytes (19 total)**
Method: **SW-846 Methods (listed in parentheses)**

Antimony (6010)	Copper (6010)	Thallium (7841)
Arsenic (7060)	Lead (7421)	Vanadium (6010)
Barium (6010)	Mercury (7470)	Zinc (6010)
Beryllium (6010)	Nickel (6010)	Tin (6010)
Cadmium (6010)	Selenium (7740)	Cyanide (9010)
Chromium (6010)	Silver (6010)	Sulfide (9030)
	Cobalt (6010)	

Parameter: **Total Dissolved Solids (TDS)/ Total Suspended Solids (TSS)**
Method: **Standard Methods-- Methods 2540C and 2540D**

TCL = Target Compound List

4.2.1 Analytical Performance Review of analytical data indicated the laboratory generally met applicable analytical QC criteria for all chemical analyses. Extraction and analysis holding times for all sample lots were met. The data review and validation were performed under subcontract to Heartland Environmental Services, Inc., St. Peters, Missouri.

For VOC analyses, all holding times, internal standard/surrogate recoveries, precision, and accuracy criteria were met. However, one continuing calibration check standard contained compounds with percentage differences exceeding QC limits. Positive sample results for compounds associated with the differences have been appropriately qualified as estimated and flagged with a "J." Also, one tuning standard associated with three aqueous samples (KBA-11-2, KBA-11-2D, and BT-23-FB) did not meet tuning criteria. All positive sample results for these samples have been appropriately qualified as estimated and flagged with a J qualifier. All sample results qualified as estimated are considered useable data.

Two analytical blanks associated with certain VOC sample analyses contained detectable concentrations of methylene chloride, a common laboratory solvent and frequently observed artifact in laboratory method blanks. Qualifications of sample results for VOC compounds associated with blank contamination are made according to NEESA Level C QC guidelines. Table 4-3 summarizes VOC method blank analytical results. Sample results for all compounds associated with methylene chloride contamination have been appropriately qualified as undetected because sample values were less than 10 times the method blank concentration.

For inorganic analyses, all holding times were met. One matrix spike result for lead, selenium, silver, and thallium was below QC limits. One duplicate analysis for cyanide and zinc also exceeded QC limits. Associated sample results and quantitation limits were appropriately qualified as estimated. Several inorganics were detected in method blanks. Table 4-3 summarizes inorganic preparation and calibration blank analytical results. Inorganic results for environmental samples, in which concentrations of metals were also found in associated blanks, are designated undetected if the concentration in the sample is below the contract required quantitation limit (CRQL) and less than five times the blank value. For sample concentrations between five and 10 times that found in a blank exhibiting negative bias for an inorganic analyte, the sample results are qualified as estimated. No qualification is required if the sample value is more than five times the blank value and there is no negative bias, or more than 10 times the blank value if there is negative bias. All sample results qualified as estimated are considered useable data.

4.2.2 Evaluation of Field QC Samples Three field blanks, two trip blanks, and two rinseate blanks were collected during the fourth groundwater sampling event at Site 11. One field blank, BS-10-FB, represents organic-free, deionized water used as a final rinse during equipment decontamination procedures, and one field blank, BS-12-FB, represents regular deionized water used as an intermediate rinse during equipment decontamination procedures. The third field blank, BS-11-FB, is a filter blank that represents organic-free, deionized water passed through a 0.45-micron filter. The two equipment rinseate samples, BS-22-ER and BS-23-ER, were collected during decontamination procedures involving Teflon bailers.

Table 4-3 Summary of Organic Analyses of Method Blanks and Inorganic Analysis of Preparation Blanks

Blank Analysis Results				
Method Blank ID	Compound	Concentration	CRQL[a]	Associated Samples
Volatile Organic Chemical Aqueous Analysis (µg/l)				
VBLKW1	Methylene chloride	3 J	5	KBA-11-1, KBA-11-2,
	Acetone	5 J	10	KBA-11-2D, KBA-11-3, KBA-11-4, KBA-11-5, KBA-11-7, KBA-11-8, KBA-11-9, BS-27-ER, BT-28-FB, BT-29-FB
VBLKW2	Methylene chloride	10	5	BS-28-ER, KBA-11-6
	Acetone	4 J	10	
Inorganic Aqueous Analysis (µg/l)				
23248	Barium	0.57 J	200	KBA-11-1, KBA-11-1F,
	Mercury	0.11 J	0.2	KBA-11-2, KBA-11-2F, KBA-11-2D, KBA-11-2DF,
	Arsenic	-2.21		KBA-11-8, KBA-11-8F, KBA-11-9, KBA-11-9F, BS-27-ER
23266	Antimony	-13.72		KBA-11-3, KBA-11-3F, KBA-11-4, KBA-11-4F, KBA-11-5, KBA-11-5F, KBA-11-6, KBA-11-6F, KBA-11-7, KBA-11-7F, BS-28-ER
				BS-13-FB, BS-14-FB, BS-15-FB

Notes:

[a]Contract required quantitation limit
µg/l = micrograms per liter
J = indicates that the reported concentration is estimated because it is below the CRQL

The VOCs methylene chloride and acetone were detected in trip blanks BT-23-FB and BT-24-FB as shown in Table 4-4. Sample results for VOC compounds associated with trip blank contamination are qualified according to NEESA Level C QC guidelines. Sample results for methylene chloride and acetone associated with trip blank contamination were appropriately qualified as undetected because sample values were less than ten times the trip blank concentration. Acetone was also detected in field blanks BS-10-FB and BS-12-FB. None of the environmental samples associated with these field blanks contained detectable concentrations of acetone attributable to field blank contamination.

Several inorganics were detected in field blanks and rinseate blanks as shown in Table 4-5. Concentrations for all analytes are below their respective CRQLs. Blanks containing inorganic analytes below the CRQL are below any regulatory limit in water, but are considered in the evaluation of environmental samples.

Analytical results for filtered samples collected from monitoring wells at Site 11 required qualification because of filter contamination. As shown in Table 4-5, barium, beryllium, cobalt, and vanadium were detected in the filter blank, BS-11-FB, but were not detected in the field blank (BS-10-FB) representing the source water used to collect the filter blank. None of the filtered samples collected from Site 11 contained beryllium and, therefore, qualification for beryllium contamination was not required. However, several filtered samples contained barium, cobalt, and vanadium. Associated sample results for barium, cobalt, and vanadium have been appropriately qualified as non-detects because sample concentrations were less than filter blank concentrations.

With one exception, review of the field duplicates exhibited agreement with groundwater samples (Table 4-6). During field duplicate comparisons, where an analyte was not detected in one groundwater replicate, it was present at less than three times the quantitation limit in the duplicate. Variation in groundwater replicate results is common when an analyte is present in the replicated samples at or near the detection limit. Groundwater replication for inorganic analytes may also vary by factors of two to five times because of the variation in the amount of suspended solids in each sample and the nature of the inorganic constituents sorbed to those suspended solids.

As shown in Table 4-6, analytical results for vinyl chloride in duplicate samples, KBA-11-2 and KBA-11-2D, varied significantly for both VOC methods used. Differences in vinyl chloride concentrations for the two duplicate samples and the relatively low recovery of vinyl chloride in one sample (15 J micrograms per liter [μg/l]) are most likely due to the physical characteristics of vinyl chloride (i.e., low boiling point and high volatility) and sample handling techniques. Vinyl chloride is an extremely volatile compound and can easily be lost to the atmosphere from a groundwater sample during all stages of environmental sampling and chemical analysis if special care is not taken. Sample results for vinyl chloride have been qualified as estimated and flagged with a J qualifier because of the disparity among duplicate results. Careful examination of sample preparation records showed that the sample containing 15 J μg/l of vinyl chloride was prepared and placed on the autosampler approximately five hours before the analysis was performed. This type of time delay could have caused the low recovery of vinyl chloride.

Table 4-4 Summary of Organic Analyses of Trip Blanks and Field Blanks

Compounds Detected	Trip Blanks* (μg/l)		Field Blanks (μg/l)	
	BT-23-FB	BT-24-FB	BS-10-FB	BS-12-FB
Methylene chloride	4 J	6	5 U	5 U
Acetone	10 U	10	6 J	7 J

Notes:

* Trip Blanks analyzed for volatile organic compounds only
J = estimated value
U = not detected at the reported value
μg/l = micrograms per liter

Table 4-5 Summary of Inorganic Analyses of Rinseate Blanks and Field Blanks

Compounds Detected	Rinseate Blanks (μg/l)		Field Blanks (μg/l)		
	BS-22-ER	BS-23-ER	BS-10-FB	BS-11-FB	BS-12-FB
Barium	0.62 J	1.2 J	1.1 U	38.9 J	1.2 U
Beryllium	0.24 U	0.24 U	0.24 U	0.47 J	0.24 U
Chromium	1.9 U	1.9 U	2.8 J	3.5 J	3.9 J
Cobalt	1.6 U	1.6 U	1.6 U	3.2 J	1.6 U
Copper	1.8 U	1.8 U	1.8 U	1.8 U	6.2 J
Silver	1.5 UJ	1.5 UJ	1.5 U	1.5 U	1.8 J
Vanadium	1.3 U	1.3 U	1.3 U	6.3 J	1.3 J
Zinc	13.1 U	10.0 U	7.7 J	16.0 J	8.4 J

Notes:

J = estimated value
U = not detected at the reported value
μg/l = micrograms per liter

Table 4-6 Summary of Field Duplicate Results for Groundwater Samples Collected from Site 11

Sample Identification		Results[1]		
KBA-11-2/KBA-11-2D		VOCs (µg/l)		
		Method 8240		Method 8010
	Vinyl Chloride	48 J/71 J		15 J/100 J
	Chloroethane	10 U/10 U		1.0 U/3.3
	1,2-Dichloroethene	5 U/8 J		1.0 U/4.8
	Chloroform	4 J/5 U		1.0 U/1.0 U
	Toluene	5 U/1 J		1.0 U/1.1
		Metals (µg/l)		
	Arsenic	3.2 J/2.7 J	Nickel	34.0 J/10.7 U
	Barium	26.4/19.0 J	Selenium	2.7 J/2.1 UJ
	Beryllium	0.42 J/0.24 U	Silver	3.4 J/2.8 J
	Chromium	27.6/21.9	Vanadium	15.7 J/10.0 J
	Copper	35.2/10.2 J	Zinc	64.0/32.9 J
	Lead	11.9 J/6.7 UJ	Sulfide	200/100 U
	Mercury	0.60/0.61		

See notes at end of table.

Table 4-6 (continued) Summary of Field Duplicate Results for Groundwater Samples Collected from Site 11

Sample Identification		Results[1]		
KBA-11-9/KBA-11-9D		VOCs		
		Not analyzed for		
		Metals (μg/l)		
	Arsenic	7.5 J/3.5 J	Mercury	0.49/0.61
	Barium	91.9 J/52.4 J	Nickel	11.3 J/13.0 J
	Beryllium	2.4 J/1.4 J	Selenium	2.7 J/2.1 UJ
	Chromium	100/68.1	Silver	1.9 J/2.8 J
	Cobalt	2.6 J/1.8 J	Vanadium	61.3/41.3 J
	Copper	27.4/23.5 J	Zinc	56.5 J/41.4 J
	Lead	11.6 J/7.5 UJ	Sulfide	100 U/200

Notes:

[1]Numbers separated by a slash indicate respective concentrations of an analyte in replicate samples identified similarly under the heading for sample identification.
μg/l = micrograms per liter.
U = undetected at the slated detection limit
J = concentration value estimated. Either below contract required quantitation limit or due to non-rejectable quality assurance problems.
VOC = volatile organic compound

5.0 GROUNDWATER SAMPLING EVENT NO. 5

This section summarizes the analytical program for groundwater samples collected from monitoring wells at Site 11 during groundwater sampling event No. 5 at NSB Kings Bay. In addition, it presents an assessment of data quality and useability.

5.1 CHEMICAL ANALYSES. Sampling activities during the fifth groundwater sampling event at NSB Kings Bay included collection of 11 groundwater samples, including two duplicate samples. All samples were collected in accordance with procedures outlined in the Quality Assurance Project Plan, Appendix A of the NSB Kings Bay Work Plan (ABB-ES, 1991). Samples were submitted to CH2M HILL Laboratories in Montgomery, Alabama, for chemical analyses. Table 5-1 summarizes the sampling and analysis program for samples collected from Site 11 during the fifth sampling event. Samples were analyzed in accordance with USEPA SW-846 methods (USEPA, 1986) and NEESA Level C documentation (NEESA, 1988) for a modified list of Appendix IX VOCs, inorganic analytes (including total cyanide and sulfide), total dissolved solids (TDS), and total suspended solids (TSS). Table 5-2 is the modified list of Appendix IX compounds and corresponding U.S. Environmental Protection Agency (USEPA) analytical method numbers.

5.2 DATA QUALITY ASSESSMENT. All groundwater samples collected during the RFI/SI were properly preserved, placed in coolers, and packed with bagged ice immediately after collection. All samples remained in the custody of the field operations leader until delivery to the courier service providing overnight shipment to the laboratory. All samples were shipped, complete with chain-of-custody forms, to CH2M HILL Laboratories within 24 hours for analysis. Upon arrival at CH2M HILL, the chain-of-custody and preservation of the samples were checked with the contents of each cooler by CH2M HILL personnel. After verification, the chain-of-custody form was signed by CH2M HILL personnel and the samples accepted for analysis.

Review of the field notebook and chain-of-custody forms did not indicate any non-conformance relative to field instrument calibration or sample handling. All required field quality control (QC) samples were collected in conformance with the requirements of the USEPA and ABB-ES Quality Assurance Plans and the June 1988 NEESA "Sampling and Chemical Analysis Quality Assurance Requirements for the Navy Installation Restoration Program" (NEESA, 1988) (Document 20.2-047B). These field QC samples included field duplicates, equipment rinseate blanks, source water blanks, and VOC trip blanks for each VOC sample shipment.

The analytical results for environmental samples collected during groundwater sampling event No. 5 were evaluated and validated according to NEESA Level C QC criteria to determine data quality and useability. The data tables included in Appendix A reflect validation according to Level C criteria. These criteria are described in Section 7.3.2 of NEESA Document 20.2-047B (NEESA 1988). The following subsections discuss analytical performance and the evaluation of field and laboratory QC samples.

Table 5-1 Summary of Sampling and Analysis Program for Site 11

Location and Type of Sampling	Laboratory Analysis		
	A	B	C
Site 11			
Groundwater	9	18	9
Field Duplicates			
Groundwater	1	2	1
Quality Control Samples			
Trip Blanks	2	0	0
Rinseate Blanks	2	2	2
Field Blanks	2	3	2

A - Volatile Organic Compounds (VOCs) (Method 8240)
B - Inorganic constituents (including cyanide and sulfide)
C - Total Dissolved Solids (TDS) and Total Suspended Solids (TSS)

Table 5-2 Compounds and Analytical Methods for Groundwater Sampling Event No. 5 at Site 11

Parameter: **Volatile Organic Compounds (38 total)**
TCL List plus 4 additional compounds
Method: **SW-846 Method 8240**

Chloromethane	cis-1,3-Dichloropropene
Bromomethane	Trichloroethene
Vinyl Chloride	Dibromochloromethane
Chloroethane	1,1,2-Trichloroethane
Methylene Chloride	Benzene
Acetone	trans-1,3-Dichloropropene
Carbon Disulfide	Bromoform
Trichlorofluoromethane	2-Hexanone
1,1-Dichloroethene	4-Methyl-2-Pentanone
1,1-Dichloroethane	Tetrachloroethene
1,2-Dichloroethene (total)	1,1,2,2-Tetrachloroethane
Chloroform	Toluene
1,2-Dichloroethane	Chlorobenzene
2-Butanone	Ethylbenzene
1,1,1-Trichloroethane	Styrene
Carbon Tetrachloride	Xylene (total)
Vinyl Acetate	1,3-Dichlorobenzene
Bromodichloromethane	1,4-Dichlorobenzene
1,2-Dichloropropane	1,2-Dichlorobenzene

Parameter: **Appendix IX Inorganic Analytes (19 total)**
Method: **SW-846 Methods (listed in parentheses)**

Antimony (6010)	Copper (6010)	Thallium (7841)
Arsenic (7060)	Lead (7421)	Vanadium (6010)
Barium (6010)	Mercury (7470)	Zinc (6010)
Beryllium (6010)	Nickel (6010)	Tin (6010)
Cadmium (6010)	Selenium (7740)	Cyanide (9010)
Chromium (6010)	Silver (6010)	Sulfide (9030)
	Cobalt (6010)	

Parameter: **Total Dissolved Solids (TDS)/ Total Suspended Solids (TSS)**
Method: **Standard Methods-- Methods 2540C and 2540D**

5.2.1 Analytical Performance The data review and validation were performed under subcontract to Heartland Environmental Services, Inc., St. Peters, Missouri. Review of analytical data indicated the laboratory generally met applicable analytical QC criteria for all chemical analyses. Extraction and analysis holding times for all sample lots were met.

For VOC analyses, all holding times, tuning criteria, internal standard/surrogate recoveries, precision, and accuracy criteria were met. However, analytical method blanks contained detectable concentrations of the VOCs, acetone and methylene chloride. These chemicals are common laboratory solvents and are frequently observed artifacts in laboratory method blanks. Qualifications of sample results for VOC compounds associated with blank contamination are made according to NEESA Level C QC guidelines. Table 5-3 summarizes VOC method blank analytical results. Sample results for all compounds associated with acetone and methylene chloride contamination have been qualified as undetected because sample values were less than 10 times the method blank concentration (NEESA, 1988).

For inorganic analyses, all holding times, calibration criteria, precision, and accuracy criteria (except for one duplicate result) were met. One duplicate result for zinc was outside control limits for one groundwater sample, KBA-11-2F. The associated sample quantitation limit for zinc has been qualified as estimated and flagged "UJ." Several inorganics were detected in method blanks. Table 5-3 summarizes inorganic preparation and calibration blank analytical results. Inorganic results for environmental samples, in which concentrations of metals were also found in associated blanks, are designated undetected if the concentration in the sample is below the contract required quantitation limit (CRQL) and less than five times the blank value. For sample concentrations between five and 10 times that found in a blank exhibiting negative bias for an inorganic analyte, the sample results are qualified as estimated. No qualification is required if the sample value is more than five times the blank value and there is no negative bias, or more than 10 times the blank value if there is negative bias (NEESA, 1988). All sample results qualified as estimated are considered useable data.

5.2.2 Evaluation of Field QC Samples Three field blanks, two trip blanks, and two rinseate blanks were collected during the fifth groundwater sampling event at Site 11. One field blank, BS-13-FB, represents organic-free, deionized water used as a final rinse during equipment decontamination procedures, and a second field blank, BS-15-FB, represents regular deionized water used as an intermediate rinse during equipment decontamination procedures. The third field blank, BS-14-FB, is a filter blank that represents organic-free, deionized water passed through a 0.45-micron filter. The two equipment rinseate samples, BS-27-ER and BS-28-ER, were collected during decontamination procedures involving Teflon™ bailers.

No VOCs were detected in trip blanks, rinseate blanks, or source water blanks. Several inorganics were detected in field blanks and rinseate blanks as shown in Table 5-4. Concentrations for all analytes are below their respective CRQLs. Blanks containing inorganic analytes below the CRQL are below any regulatory limit in water, but are considered in the evaluation of environmental samples.

Review of the chemical concentrations in groundwater field duplicates exhibited agreement. During field duplicate comparisons, where an analyte was not detected in one groundwater replicate, it was present at less than three times the quantitation limit in the duplicate. Variation in groundwater replicate results

Table 5-3 Summary of Organic Analyses of Method Blanks and Inorganic Analyses of Preparation Blanks

Blank Analysis Results				
Method Blank ID	Compound	Concentration	CRQL[a]	Associated Samples
Volatile Organic Chemical Aqueous Analysis (µg/l)				
VBLKW1	Methylene chloride	3 J	5	KBA-11-1, KBA-11-2,
	Acetone	5 J	10	KBA-11-2D, KBA-11-3,
				KBA-11-4, KBA-11-5,
				KBA-11-7, KBA-11-8,
				KBA-11-9, BS-27-ER,
				BT-28-FB, BT-29-FB
VBLKW2	Methylene chloride	10	5	BS-28-ER, KBA-11-6
	Acetone	4 J	10	
Inorganic Aqueous Analysis (µg/l)				
23248	Barium	0.57 J	200	KBA-11-1, KBA-11-1F,
	Mercury	0.11 J	0.2	KBA-11-2, KBA-11-2F,
				KBA-11-2D, KBA-11-2DF,
	Arsenic	-2.21	10	KBA-11-8, KBA-11-8F,
				KBA-11-9, KBA-11-9F,
				BS-27-ER
23266	Antimony	-13.72 J	60	KBA-11-3, KBA-11-3F,
				KBA-11-4, KBA-11-4F,
				KBA-11-5, KBA-11-5F,
				KBA-11-6, KBA-11-6F,
				KBA-11-7, KBA-11-7F,
				BS-28-ER
23285	Cadmium	-8.52		BS-13-FB, BS-14-FB,
	Nickel	-5.59		BS-15-FB

Notes:

[a]Contract required quantitation limit
µg/l = micrograms per liter
J = indicates that the reported concentration is estimated because it is below the SQL

Table 5-4 Summary of Inorganic Analyses of Rinseate Blanks and Field Blanks

Compounds Detected	Rinseate Blanks (μg/l)		Field Blanks (μg/l)		
	BS-27-ER	BS-28-ER	BS-13-FB	BS-14-FB	BS-15-FB
Barium	0.86 U	1.0 U	2.8 J	0.65 U	2.6 J
Chromium	2.9 U	2.9 U	2.9 U	2.9 U	3.7 J
Lead	1.8 J	1.4 U	1.4 U	1.4 U	1.4 U
Zinc	9.6 U	9.6 U	9.6 U	9.6 U	10.1 J
Cyanide	0.98 J	0.84 U	0.84 U	0.84 U	0.84 U

Notes:

J = estimated value
U = not detected at the reported value
μg/l = micrograms per liter

is common when an analyte is present in the replicated samples at or near the detection limit. Groundwater replication for inorganic analytes may also vary by factors of two to five times because of the variation in the amount of suspended solids in each sample and the nature of the inorganic constituents sorbed to those suspended solids.

6.0 GROUNDWATER SAMPLING EVENT NO. 6

This section summarizes the analytical program for groundwater samples collected from monitoring wells at Site 11 during groundwater sampling event No. 6 at NSB Kings Bay. In addition, it presents an assessment of data quality and useability.

6.1 CHEMICAL ANALYSES. Sampling activities during the sixth groundwater sampling event at NSB Kings Bay included collection of 11 groundwater samples, including two duplicate samples. All samples were collected in accordance with procedures outlined in the Quality Assurance Project Plan, Appendix A of the NSB Kings Bay Work Plan (ABB-ES, 1991). Samples were submitted to CH2M HILL Laboratories in Montgomery, Alabama, for chemical analyses. Table 6-1 summarizes the sampling and analysis program for samples collected from Site 11 during the sixth sampling event. Samples were analyzed in accordance with USEPA SW-846 methods (USEPA, 1986) and NEESA Level C documentation (NEESA, 1988) for a modified list of Appendix IX volatile organic compounds (VOCs), inorganic analytes (including total cyanide and sulfide), total dissolved solids (TDS), and total suspended solids (TSS). Table 6-2 is the modified list of Appendix IX compounds and corresponding U.S. Environmental Protection Agency (USEPA) analytical method numbers.

6.2 DATA QUALITY ASSESSMENT. All groundwater samples collected during the RFI/SI were properly preserved, placed in coolers, and packed with bagged ice immediately after collection. All samples remained in the custody of the field operations leader until delivery to the courier service providing overnight shipment to the laboratory. All samples were shipped, complete with chain-of-custody forms, to CH2M HILL Laboratories within 24 hours for analysis. Upon arrival at CH2M HILL, the chain-of-custody and preservation of the samples were checked with the contents of each cooler by CH2M HILL personnel. After verification, the chain-of-custody form was signed by CH2M HILL personnel and the samples accepted for analysis.

Review of the field notebook and chain-of-custody forms did not indicate any non-conformance relative to field instrument calibration or sample handling. All required field quality control (QC) samples were collected in conformance with the requirements of the USEPA and ABB-ES Quality Assurance Plans and the June 1988 NEESA "Sampling and Chemical Analysis Quality Assurance Requirements for the Navy Installation Restoration Program" (NEESA, 1988) (Document 20.2-047B). These field QC samples included field duplicates, equipment rinseate blanks, source water blanks, and VOC trip blanks for each VOC sample shipment.

The analytical results for environmental samples collected during groundwater sampling event No. 6 were evaluated and validated according to NEESA Level C QC criteria to determine data quality and useability. These criteria are described in Section 7.3.2 of NEESA Document 20.2-047B (NEESA 1988). The following subsections discuss analytical performance and the evaluation of field and laboratory QC samples.

6.2.1 Analytical Performance The data review and NEESA Level C validation were performed under subcontract to Heartland Environmental Services, Inc., St. Peters, Missouri. Review of analytical data indicated the laboratory generally met applicable analytical QC criteria for all chemical analyses. Extraction and analysis holding times for all sample lots were met.

Table 6-1 Summary of Sampling and Analysis Program for Site 11

Location and Type of Sampling	Laboratory Analysis		
	A	B	C
Site 11			
Groundwater	9	18	9
Field Duplicates			
Groundwater	1	2	1
Quality Control Samples			
Trip Blanks	2	0	0
Rinseate Blanks	2	2	2
Field Blanks	2	3	2

A - Volatile Organic Compounds (VOCs) (Method 8240)
B - Inorganic constituents (including cyanide and sulfide)
C - Total Dissolved Solids (TDS) and Total Suspended Solids (TSS)

Table 6-2 Compounds and Analytical Methods for Groundwater Sampling Event No. 6 at Site 11

Parameter: **Volatile Organic Compounds**
Method: **SW-846 Method 8240**

Chloromethane	cis-1,3-Dichloropropene
Bromomethane	Trichloroethene
Vinyl Chloride	Dibromochloromethane
Chloroethane	1,1,2-Trichloroethane
Methylene Chloride	Benzene
Acetone	trans-1,3-Dichloropropene
Carbon Disulfide	Bromoform
Trichlorofluoromethane	2-Hexanone
1,1-Dichloroethene	4-Methyl-2-Pentanone
1,1-Dichloroethane	Tetrachloroethene
1,2-Dichloroethene (total)	1,1,2,2-Tetrachloroethane
Chloroform	Toluene
1,2-Dichloroethane	Chlorobenzene
2-Butanone	Ethylbenzene
1,1,1-Trichloroethane	Styrene
Carbon Tetrachloride	Xylene (total)
Vinyl Acetate	1,3-Dichlorobenzene
Bromodichloromethane	1,4-Dichlorobenzene
1,2-Dichloropropane	1,2-Dichlorobenzene

Parameter: **Appendix IX Inorganic Analytes**
Method: **SW-846 Methods (listed in parentheses)**

Antimony (6010)	Copper (6010)	Thallium (7841)
Arsenic (7060)	Lead (7421)	Vanadium (6010)
Barium (6010)	Mercury (7470)	Zinc (6010)
Beryllium (6010)	Nickel (6010)	Tin (6010)
Cadmium (6010)	Selenium (7740)	Cyanide (9010)
Chromium (6010)	Silver (6010)	Sulfide (9030)
	Cobalt (6010)	

Parameter: **Total Dissolved Solids (TDS)/ Total Suspended Solids (TSS)**
Method: **Standard Methods-- Methods 2540C and 2540D**

For VOC analyses, all holding times, tuning criteria and internal standard/ surrogate recovery criteria were met. With the exception of one continuing calibration standard, no qualification of data was required based on precision and accuracy criteria. The result for acetone in one groundwater sample (KBA-11-3) and one source water blank (BS-18-FB) were qualified as estimated because an associated continuing calibration standard contained acetone with a percentage difference greater than the quality control limit of 20. No other VOC data collected during the sixth sampling event required qualification.

For inorganic analyses, all holding times, calibration criteria, precision, and accuracy criteria were met. However, barium, copper, and mercury were detected in method blanks. Table 6-3 summarizes inorganic preparation and calibration blank analytical results. Inorganic results for environmental samples, in which concentrations of metals were also found in associated blanks, are designated undetected if the concentration in the sample is below the practical quantitation limit (PQL) and less than five times the blank value. For sample concentrations between five and 10 times that found in a blank exhibiting negative bias for an inorganic analyte, the sample results are qualified as estimated. No qualification is required if the sample value is more than five times the blank value and there is no negative bias, or more than 10 times the blank value if there is negative bias (NEESA, 1988). All sample results qualified as estimated are considered useable data.

6.2.2 Evaluation of Field QC Samples Three field blanks, two trip blanks, and two rinseate blanks were collected during the sixth groundwater sampling event at Site 11. One field blank, BS-16-FB, represents organic-free, deionized water used as a final rinse during equipment decontamination procedures, and the second field blank, BS-18-FB, represents regular deionized water used as an intermediate rinse during equipment decontamination procedures. The third field blank, BS-17-FB, is a filter blank that represents organic-free, deionized water passed through a 0.45-micron filter. The two equipment rinseate samples, BS-33-ER and BS-34-ER, were collected during decontamination procedures involving Teflon bailers.

No VOCs were detected in trip blanks or rinseate blanks. Two VOCs, acetone and chloroform, were detected in the source water blank representing regular deionized water (Table 6-4). Chloroform is a trihalomethane which forms in water chlorinated for drinking water disinfection. None of the environmental samples associated with this source water blank contained chloroform. Acetone was also detected in one groundwater sample (KBA-11-3) collected during sampling event No. 6; however, no qualification of data was performed or required because acetone was not detected in the rinseate and source water blank representing water used as a final rinse during equipment decontamination procedures.

Several inorganics were detected in source water blanks and rinseate blanks as shown in Table 6-5. Concentrations for all analytes are well below any regulatory limits in water and, except for mercury and tin, concentrations for all analytes are below their respective PQL. Tin was detected in one source water blank (BS-18-FB) at 909 μg/l.

However, no qualification was required because none of the groundwater samples collected during sampling event No. 6 contained tin. Barium, lead, and zinc were also detected in source water blanks; however, no qualification of data was performed or required because these analytes were not detected in corresponding rinseate samples. Mercury, copper, and silver were detected in rinseate samples

Table 6-3 Summary of Inorganic Analyses of Preparation Blanks

Blank Analysis Results				
Method Blank ID	Compound	Concentration	CRQL[a]	Associated Samples
Inorganic Aqueous Analysis (µg/l)				
23710	Copper	2.12 J	25	KBA-11-1, KBA-11-1F, KBA-11-2, KBA-11-2F, KBA-11-2D, KBA-11-2DF, KBA-11-8, KBA-11-8F, BS-16-FB, BS-17-FB, BS-18-FB, BS-33-ER
	Mercury	0.057 J	0.2	
23726	Barium	0.82 J	200	KBA-11-3, KBA-11-3F, KBA-11-4, KBA-11-4F, KBA-11-5, KBA-11-5F, KBA-11-6, KBA-11-6F, KBA-11-7, KBA-11-7F, KBA-11-9, KBA-11-9F, BS-34-ER

Notes:

[a]Contract required quantitation limit
µg/l = micrograms per liter
J = indicates that the reported concentration is estimated because it is below the CRQL

Table 6-4 Summary of Organic Analyses of Source Water Blanks

Compounds Detected	Source Water Blanks (µg/l)	
	BS-16-FB	BS-18-FB
Acetone	10 U	19 J
Chloroform	5 U	2 J

Notes:
J = estimated value
U = not detected at the reported value
µg/l = micrograms per liter

Table 6-5 Summary of Inorganic Analyses of Rinseate Blanks and Source Water Blanks

Compounds Detected	Rinseate Blanks (µg/l)		Field Blanks (µg/l)		
	BS-33-ER	BS-34-ER	BS-16-FB	BS-17-FB	BS-18-FB
Barium	0.64 U	3.2 U	2.9 J	0.85 J	3.0 J
Copper	1.2 U	1.3 J	2.1 U	7.4 U	2.1 U
Lead	1.7 U	1.7 U	1.7 U	1.7 U	2.3 J
Mercury	0.29	0.26	0.18 U	0.19 U	0.08 U
Silver	2.0 U	2.2 J	2.0 U	2.0 U	2.0 U
Tin	12.7 U	12.7 U	12.7 U	12.7 U	909
Zinc	9.0 U	9.0 U	9.0 U	10.7 J	9.0 U

Notes:
J = estimated value
U = not detected at the reported value
µg/l = micrograms per liter

BS-33-ER and BS-34-ER and were also detected at similar concentrations in certain groundwater samples. Mercury and copper were also detected in an analytical method blank associated with groundwater samples. All sample results for mercury and silver and unfiltered sample results for monitoring wells KBA-11-3 and KBA-11-4 have been qualified as undetected because sample concentrations were less than or similar to concentrations detected in associated rinseate samples.

Review of the chemical concentrations in groundwater field duplicates exhibited agreement. During field duplicate comparisons, where an analyte was not detected in one groundwater replicate, it was present at less than three times the quantitation limit in the duplicate. Variation in groundwater replicate results is common when an analyte is present in the replicated samples at or near the detection limit. Groundwater replication for inorganic analytes may also vary by factors of two to five times because of the variation in the amount of suspended solids in each sample and the nature of the inorganic constituents sorbed to those suspended solids.

6.3 DATA QUALITY OBJECTIVES ASSESSMENT. The quality of the field sampling data generated during the field program met the established field QC criteria and were traceable to sample location. The data generated met the Level I field screening and Level C data quality objectives established for the RFI/SI. For data collected at the nine groundwater monitoring wells at Site 11, 100 percent of the data is considered useable, based on NEESA Level C validation criteria (NEESA, 1988), and are acceptable for use in site characterization and evaluation.

7.0 PHASE I INTERIM INVESTIGATION

7.1 ANALYTICAL PROGRAM. ABB-ES established a mobile laboratory facility at NSB, Kings Bay. A 28-foot field trailer and portable purge and trap GC were mobilized to NSB, Kings Bay. The GC was operated by an ABB-ES chemist. Field analyses included the five target halogenated VOCs listed below. Corresponding detection limits are also listed below.

Compound	Practical Quantitation Limit
Chloroethane	10 μg/l
Vinyl Chloride	2 μg/l
trans-1,2-Dichloroethene	2 μg/l
Trichloroethene	5 μg/l
Tetrachloroethene	2 μg/l

Groundwater samples collected using the hydrocone were decanted into 40-milliliter (ml) vials having Teflon™ septa. Hydrochloric acid preservative was added to the vials prior to filling with groundwater. After collection, vials were placed on ice in a cooler, chain-of-custody was completed, and the samples were transported to the field laboratory for analysis.

Samples were analyzed according to SW-846 Method 8010, adapted for field application, for purgeable halocarbons. Quantification of vinyl chloride was done using a photoionization detector (PID). The purge and trap connection to the GC was adapted for use of the PID for measurement of vinyl chloride concentrations. analysis of performance standards and correlation to off-site analytical data confirmed the accuracy of field measurements of low concentrations of vinyl chloride, trans-1,2-dichloroethene, and tetrachloroethene. The practical quantitation limits for chloroethane and trichloroethene were elevated to 10 μg/l and 5 μg/l, respectively, from 2 μg/l because initial calibration criteria were not met for these compounds.

Groundwater samples HC-1 through HC-5 were collected on Friday, August 7, 1992, in anticipation of the field laboratory overcoming technical problems by noon that day. When noon passed and the field laboratory was still experiencing problems, a decision was made to terminate sampling for a period of two days, the weekend, to either have the field laboratory become functional and fulfill its intended use, or make alternate arrangements. The two-day period that sampling was ceased was sufficient for the problems with the field laboratory to be corrected, confirmation of the viability of using the PID for vinyl chloride analysis, and analysis of the five groundwater samples previously collected. The samples were properly preserved with concentrated hydrochloric acid and stored on ice in an ice chest. Analysis of the samples was performed within 3 days of sample collection, which is well within holding time.

7.2 CONFIRMATION LABORATORY ANALYTICAL RESULTS. Six groundwater samples, including one duplicate sample, were sent to CH2M Hill Laboratories for analysis of halogenated VOCs according to SW-846 Method 8010 (USEPA, 1986). One of the six was also analyzed for aromatic VOCs according to SW-846 Method 8020.

7.2.1 Correlation of Confirmatory and Field Analytical Data Groundwater samples HC-2, HC-3, HC-10, HC-15B, and HC-23 were replicated for analysis at CH2M HILL Laboratories. The field analytical data and corresponding confirmatory

analytical data, in units of μg/l, are as follows:

Sample	Compound	Field	Confirmatory
HC-2	vinyl chloride	2.2	2.0
HC-3	(no target VOCs detected by either analysis)		
HC-10	vinyl chloride	4.3	1.4
HC-15B	vinyl chloride	11	11
HC-23	trichloroethene	5 U	4.9/4.7
	vinyl chloride	45 J	32 J/35 J

The field data and confirmatory data for vinyl chloride are generally in agreement, indicating the field GC data for the 33 groundwater samples is adequate for the intended use. The field laboratory experienced difficulty in quantification of trichloroethene due to poor integration for this compound. The detection limit for trichloroethene was elevated to 5 μg/l for the field analyses. The concentrations of 4.9 μg/l and 4.7 μg/l of trichloroethene reported for the confirmatory analyses are below the practical quantitation limit of the field GC.

8.0 INTERIM CORRECTIVE MEASURE SCREENING INVESTIGATION

This section summarizes the analytical program for on-site and off-site analyses of sediment samples, surface water samples, PIW samples, vapor cone samples, and groundwater samples collected during Interim Corrective Measure Screening Investigation field activities at Site 11. In addition, it assesses on-site and off-site data quality and useability and compares on-site and off-site analytical results.

8.1 ANALYTICAL PROGRAM. Field activities during the screening investigation included the collection and chemical analysis of groundwater and PIW samples, surface water samples, sediment samples, and vapor cone samples. All samples were collected in accordance with procedures outlined in the Quality Assurance Project Plan, Appendix A, of the NSB Kings Bay RFI/SI Work Plan (ABB-ES, 1991).

8.1.1 On-Site Chemical Analysis Samples collected for on-site analysis were analyzed for target VOCs using a gas chromatographic (GC) field laboratory. The analytical method used was a modification of the USEPA 8010/8020 purge-and-trap GC method as described in the Interim Corrective Measure Screening Investigation Work Plan (ABB-ES, 1992c). Table 8-1 summarizes the sampling and analysis program for samples collected for on-site laboratory analysis.

8.1.1.1 On-Site Analytical Method Modifications to the USEPA 8010/8020 Method are summarized in this subsection. Samples were analyzed using an LSC-2000 purge-and trap unit connected to a Hewlett-Packard™ 5890 GC. A DB-624 75-meter megabore column was used for compound separation. For efficiency, two GCs were used, each with a purge-and-trap unit and two detectors, a photometric ionization detector and an electrolytic conductivity (Hall) detector. A standard sample volume of 25-ml was used for each analysis. The following run conditions were established:

LSC-2000 purge time = 6 minutes
LSC-2000 desorb time = 3 minutes
LSC-2000 bake time = 5 minutes
HP 5890 injection port temperature = 225 °C
HP 5890 detector port temperature = 275 °C
HP 5890 initial oven temperature = 35 °C
HP 5890 oven temperature ramp = 6 °C per minute
helium carrier flow = 10 ml per minute
helium make-up flow = 20 ml per minute
hydrogen make-up flow = 75 ml per minute

8.1.1.2 Performance Criteria The quality control (QC) criteria for the on-site analytical method were established to monitor method performance. An initial three-point calibration for quantitation (low, mid-range, and high concentrations) was performed for each instrument. Target compounds and reporting limits are presented on Table 8-2. Instrument stabilities were monitored every 24 hours with a calibration standard at the mid-range concentration. The quantitation performance criterion for operation was agreement of the check standard with the three-point calibration curve to within 30 percent. Samples were to be analyzed only if no more than one compound per

Table 8-1 Summary of Sampling and Analysis Program for Samples Collected for On-site Analysis

Type of Sampling	Number of VOC Analyses
Groundwater	142
Private Irrigation Wells	51
Surface Water	3
Sediment	3
Soil Vapor	22
Quality Control Samples	
Field Duplicates	25
MS/MSD	11
Equipment Rinseate Blanks	14
Method Blanks	41

Notes:

VOC = Volatile Organic Compounds
MS/MSD = Matrix spike/Matrix Spike Duplicate

Table 8-2 Target Compounds and Reporting Limits for On-site Analysis

Compound Name	Reporting Limit (μg/l)
Vinyl Chloride	2.0
trans-1,2-Dichloroethene	5.0
cis-1,2-Dichloroethene	5.0
Trichloroethene	5.0
Tetrachloroethene	5.0
Benzene	5.0
Toluene	5.0
Ethylbenzene	5.0
m/p-Xylene	10
o-Xylene	5.0

Note: μg/l = micrograms per liter

detector (a total of 10 percent of the target compounds) exceeded these criteria. If the standard did not meet this criterion, a second standard was analyzed. If this second standard did not meet criteria, a new calibration curve was prepared.

The identities of the target compounds were based on comparison with the retention times for the standards. Retention time windows of plus or minus 3 percent were established, based on the most recent calibration curve. For some cases, especially vinyl chloride, the peak was so broad that a 3 percent retention time window was not adequate and operator judgment was applied.

Every 24 hours, a method blank of deionized water was analyzed to confirm that no target compounds were introduced by sample handling and analysis. The method blank criterion was met if no target compounds present above the reporting limit for the instrument. A surrogate solution containing 100 $\mu g/l$ of bromofluorobromine (BFB) was injected into each sample to determine percentage recoveries. The recovery range of 30 to 170 percent was established as one of the operating criteria for on-site analyses.

8.1.2 Off-site Analysis In accordance with the Interim Corrective Measure Screening Investigation Work Plan (ABB-ES, 1992c), a minimum of 10 percent of all samples collected for on-site VOC analysis and all samples collected for SVOC analysis were submitted to a contract laboratory for chemical analysis. Table 8-3 summarizes the sampling and analysis program for samples collected for off-site analysis. Samples for VOC and SVOC analyses were analyzed according to the USEPA CLP SOW for multi-media samples (USEPA, 1991a). Naval Energy and Environmental Support Activity (NEESA) Level D documentation (NEESA, 1988) was used for VOC and SVOC analyses. Appendix C contains validated Level D Data. Table 8-4 lists the TCL SVOCs analyzed in samples and corresponding Contract Required Quantitation Limits (CRQLs).

Because many of the target VOCs currently have Federal Primary Drinking Water Maximum Contaminant Levels (MCLs) below their respective CLP CRQLs, it was necessary to acheive lower reporting limits for VOCs. Based on VOC Method Detection Limit (MDL) studies performed and submitted by the contract laboratory, lower reporting limits for VOCs were achieved. Table 8-5 lists the TCL VOCs, their corresponding MDLs, and the reporting limits used during this investigation. All reporting limits listed in Table 8-5 are lower than corresponding Federal Primary Drinking Water MCLs. Appendix D contains data supporting the MDL study.

8.2 DATA QUALITY ASSESSMENT. Data generated by the on-site and off-site laboratories were reviewed against applicable performance criteria. In addition, data quality indicators of precision, accuracy, representativeness, comparability and completeness (PARCC) were evaluated and established for both on-site and off-site data.

8.2.1 On-Site Data Quality and Use All samples collected for on-site analysis during the screening investigation were properly preserved, placed in coolers, and packed with bagged ice immediately after collection. All samples remained in the custody of an investigation team member until delivery to the on-site laboratory.

Table 8-3 Summary of Sampling and Analysis for Samples Collected for Off-site Analysis

Type of Sampling	Number of Laboratory Analyses	
	VOC	SVOC
Groundwater	17	2
Private Irrigation Wells	24	0
Surface Water	3	3
Sediment	3	3
Field Duplicates		
Groundwater	2	1
Private Irrigation Wells	3	0
Surface Water	1	1
Sediment	1	1
Quality Control Samples		
Trip Blanks	15	0
Equipment Rinsate Blanks	11	2
Source Water Blanks	9	0

Notes:

VOC = Volatile Organic Compounds
SVOC = Semivolatile Organic Compounds

Table 8-4 Target Compound List and Contract Required Quantitation Limits (CRQLs) for Off-site Laboratory Analysis of Semivolatile Organic Compounds

	CRQL	
	Soil (μg/kg)	Water (μg/l)
Semivolatile Organic Compounds (64 total)		
Method: Contract Laboratory Program Statement of Work for Organic Analysis, Multi-media, Multi-concentration, USEPA Document No. OLM01.0, 1991.		
Phenol	330	10
Acenaphthene	330	10
bis(2-Chloroethyl)Ether	330	10
2,4-Dinitrophenol	800	25
2-Chlorophenol	330	10
4-Nitrophenol	800	25
1,3-Dichlorobenzene	330	10
Dibenzofuran	330	10
1,4-Dichlorobenzene	330	10
2,4-Dinitrotoluene	330	10
1,2-Dichlorobenzene	330	10
Diethylphthalate	330	10
2-Methylphenol	330	10
4-Chlorophenyl-phenylether	330	10
2,2'-oxybis(1-Chloropropane)	330	10
Fluorene	330	10
4-Methylphenol	330	10
4-Nitroaniline	800	25
N-Nitroso-Di-n-Propylamine	330	10
4,6-Dinitro-2-methylphenol	800	25
Hexachloroethane	330	10
N-Nitrosodiphenylamine	330	10
Nitrobenzene	330	10
4-Bromophenyl-phenylether	330	10
Isophorone	330	10
Hexachlorobenzene	330	10
2-Nitrophenol	330	10
Pentachlorophenol	800	25
2,4-Dimethylphenol	330	10
Phenanthrene	330	10
bis(2-chloroethoxy)Methane	330	10
Anthracene	330	10

See notes at end of table.

Table 8-4 (continued) Target Compound List and Contract Required Quantitation Limits (CRQLs) for Off-site Laboratory Analysis of Semivolatile Organic Compounds

	CRQL	
	Soil (μg/kg)	Water (μg/l)
2,4-Dichlorophenol	330	10
Carbazole	330	10
1,2,4-Trichlorobenzene	330	10
Di-n-Butylphthalate	330	10
Naphthalene	330	10
Fluoranthene	330	10
4-Chloroaniline	330	10
Pyrene	330	10
Hexachlorobutadiene	330	10
Butylbenzylphthalate	330	10
4-Chloro-3-methylphenol	330	10
3,3'-Dichlorobenzidine	330	10
2-Methylnapthalene	330	10
Hexachlorocyclopentadiene	330	10
2,4,6-Trichorophenol	330	10
2,4,5-Trichlorophenol	800	25
2-Chloronaphthalene	330	10
2-Nitroaniline	800	25
Dimethylphthalate	330	10
Acenaphthalene	330	10
2,6-Dinitrotoluene	330	10
3-Nitroaniline	800	25
Benzo(a)anthracene	330	10
Chrysene	330	10
bis(2-Ethylhexyl)phthalate	330	10
Di-n-octylphthalate	330	10
Benzo(b)fluoranthene	330	10
Benzo(k)fluoranthene	330	10
Benzo(a)pyrene	330	10
Ideno(1,2,3-cd)pyrene	330	10
Dibenz(a,h)anthracene	330	10
Benzo(g,h,i)perylene	330	10

Notes: μg/kg = micrograms per kilogram
μg/l = micrograms per liter

Table 8-5 Method Detection Limits (MDLs) and Reporting Limits for Volatile Organic Compounds

	MDL (µg/l)	Reporting Limit (µg/l)
Volatile Organic Compounds (37 total)		
Method: Contract Laboratory Program Statement of Work for Organic Analysis, Multi-media, Multi-concentration, USEPA Document No. OLM01.0, 1991.		
Chloromethane	0.203	1
cis-1,3-Dichloropropene	0.274	1
Bromomethane	0.396	1
Trichloroethene	0.185	1
Vinyl Chloride	0.165	1
Dibromochloromethane	0.190	1
Chloroethane	0.147	1
1,1,2-Trichloroethane	0.268	1
Methylene Chloride	9.712	10
Benzene	0.235	1
Acetone	3.491	5
trans-1,3-Dichloropropene	0.097	1
Carbon Disulfide	0.114	1
Bromoform	0.230	1
1,1-Dichloroethene	0.175	1
2-Hexanone	0.465	5
1,1-Dichloroethane	0.205	1
4-Methyl-2-Pentanone	0.746	5
cis-1,2-Dichloroethene	0.215	1
Tetrachloroethene	0.340	1
trans-1,2-Dichloroethene	0.254	1
1,1,2,2-Tetrachloroethane	0.391	1
Chloroform	0.285	1
Toluene	0.167	1
1,2-Dichloroethane	0.160	1
Chlorobenzene	0.238	1
2-Butanone	0.709	5
Ethylbenzene	0.195	1
1,1,1-Trichloroethane	0.221	1
Styrene	0.240	1
Carbon Tetrachloride	0.354	1
Xylenes (total)	0.141	1
Bromodichloromethane	0.144	1
1,3-Dichlorobenzene	0.126	1
1,2-Dichloropropane	0.236	1
1,4-Dichlorobenzene	0.164	1
1,2-Dichlorobenzene	0.222	1

Note: µg/l = micrograms per liter

8.2.1.1 Analytical Performance Review of analytical data indicated the on-site laboratory generally met applicable analytical QC criteria for VOC analyses. Extraction and analysis holding times for all sample lots were met. Problems with instrument stability were noted for vinyl chloride, especially between October 27 and November 4, 1992. During this period, continuing calibration standards regularly exceeded the QC criteria of 30 percent. This problem was especially acute on October 29 and 30, 1992, when calibration standards indicated that the Hall detector lost sensitivity to vinyl chloride. This resulted in underestimates of the true concentrations of vinyl chloride in the samples analyzed on these two days. As a result, the vinyl chloride could not be quantified during this period and only the presence or absence of vinyl chloride could be reported. Samples in which vinyl chloride was detected, but not quantified, are as follows:

H11826
H11845
H11940
H11950
CRP PW-22
CRP PW-6
CRP PW-7

Percentage surrogate recoveries, based on BFB, were calculated for individual samples and are in the field analytical logbook. Overall, 96 percent of surrogate recoveries fell within the established 30 to 170 percent recovery range. Method blank and equipment rinseate blank results indicated that there were no target compounds introduced as a result of the sample handling and analysis procedures.

8.2.1.2 On-site Data Use Performance criteria for the on-site analytical method, described in Subsection 8.1.1.2, were used to assess the quality of data generated by the field laboratory. PARCC parameters were established based on the extent of conformance to these performance criteria.

The accuracy and precision of the on-site analytical method were established. Accuracy was calculated based on the range of matrix spike percentage recoveries (%R) for matrix spike/matrix spike duplicate (MS/MSD) samples and precision was calculated based on the relative percentage difference (RPD) between spike results for MS/MSD samples. Calculation of %R and RPD are as follows:

$$\%R = (\text{spike sample result} / \text{concentration of spike added}) \times 100 \quad (1)$$

and

$$RPD = \frac{|\text{MS result} - \text{MSD result}|}{(\text{MS result} + \text{MSD result}) / 2} \times 100. \quad (2)$$

MS/MSD samples were analyzed every 20 samples for each matrix using a mid-level calibration standard containing all target compounds. Eleven sets of MS/MSD samples were analyzed and the precision and accuracy results for the target compounds are shown in Table 8-6. The accuracy and precision acheived by the on-site analyses were expected to have a greater range than off-site Level D laboratory analyses. Except for vinyl chloride, the accuracy range was 36 to 160

Table 8-6 Summary of Precision and Accuracy for On-site MS/MSD Analysis

Compound	MS/MSD Recovery Range (Accuracy)	RPD Range (Precision)
Vinyl Chloride	11-220	0-67
trans-1,2-Dichloroethene	36-160	4-65
cis-1,2-Dichloroethene	36-140	1-82
Trichloroethene	47-120	3-63
Tetrachloroethene	49-120	0-69
Benzene	40-120	3-73
Toluene	56-120	0-24
Ethylbenzene	56-120	0-26
m/p-Xylene	55-120	0-40
o-Xylene	51-125	0-45
USEPA Method 8010/8020	75-120	2-28

Notes:

RPD = Relative Percent Difference
MS/MSD = Matrix Spike/Matrix Spike Duplicate

percent and the precision range was 0 to 82 percent. For example, as a point of comparison, ranges for accuracy and precision for the established USEPA Method 8010/8020 in an off-site laboratory are 75 to 120 percent accuracy and 2 to 27.7 percent precision (USEPA, 1987). The net result is that the data produced by the on-site laboratory is of the same order of magnitude as that of the off-site laboratory.

Representativeness is a qualitative parameter that expresses how well the sampling represents the environmental conditions of the sampled media. Field duplicates were collected to give an indication of representativeness and to monitor method reproducibility. A total of 25 duplicate samples were collected and analyzed on site. In general, results for field duplicates show good agreement with RPD values ranging from 0 to 45 percent.

The completeness of the on-site data set was measured by establishing what percentage of the data set was considered valid after data review. Valid results are defined as those results from analyses meeting the performance criteria defined by calibration checks and surrogate recoveries. The completeness for all analytes, except vinyl chloride, was determined to be 100 percent. For vinyl chloride, the completeness was determined to be 84 percent.

Comparability is often a qualitative indicator of the confidence with which one data set can be measured with another. The use of standard techniques to collect and analyze the samples helps to confirm comparable results. For this project, the results of the on-site analyses were compared to those of the off-site results using a set of statistical tests described in Subsection 8.2.3 of this document.

Overall, data generated by the on-site analytical laboratory met USEPA Level II criteria for field screening. Except for certain vinyl chloride data, the data are suitable for use in site characterization, engineering design, and evaluation of remedial alternatives.

8.2.2 Off-site Data Quality and Use All samples collected for off-site analysis were properly preserved, placed in coolers, and packed with bagged ice immediately after collection. All samples remained in the custody of an investigation team member until delivery to the courier service providing overnight shipment to the laboratory. All samples requiring off-site analysis were shipped, complete with chain-of-custody forms, to the contract laboratory within 24 hours for analysis. Upon arrival at the laboratory, the chain-of-custody and preservation of the samples were checked with the contents of each cooler. After verification, the chain-of-custody form was signed and the samples accepted for analysis.

Review of the field notebook and chain-of-custody forms did not indicate any non-conformance relative to field instrument calibration or sample handling. All required field QC samples were collected in conformance with the requirements of the USEPA, NEESA, and ABB-ES Quality Assurance Plans and the June 1988 NEESA "Sampling and Chemical Analysis Quality Assurance Requirements for the Navy Installation Restoration Program" (NEESA, 1988) (Document 20.2-047B). These

field QC samples included field duplicates, equipment rinseate blanks, source water blanks, and VOC trip blanks for each VOC sample shipment.

Analytical results for environmental samples collected during the investigation were evaluated and validated according to NEESA Level D QC criteria to establish data quality and useability. NEESA Level D documentation and validation requirements are equivalent to USEPA Level IV requirements. The data tables included in Appendix C reflect validation according to Level D criteria, which are described in Subsection 7.3.1 of NEESA Document 20.2-047B. The following subsections discuss analytical performance and the evaluation of field and laboratory QC samples.

8.2.2.1 Analytical Performance Data review and NEESA Level D validation were performed under subcontract. Review of analytical data indicated the laboratory generally met applicable analytical QC criteria for all chemical analyses. Extraction and analysis holding times for all sample lots were met.

For VOC analyses, all holding times, tuning criteria, internal standard/surrogate recoveries, and MS/MSD criteria were met. However, seven continuing calibration standards contained acetone, methylene chloride, bromoform, 1,1,2,2-tetrachloroethane, and 2-butanone with differences between 25 and 50 percent. For these compounds, qualification was only required for positive sample results. Bromoform, 1,1,2,2-tetrachloroethane, and 2-butanone were not detected in associated samples and, therefore, did not require qualification. Acetone and methylene chloride were detected in associated samples and results for these compounds have been appropriately qualified as estimated and flagged with a J qualifier. One additional continuing calibration standard contained acetone and 2-hexanone with differences between 50 and 90 percent. Only one sample associated with this standard, a trip blank (BT106FB), required qualification. Sample quantitation limits for these two compounds were qualified as estimated and flagged with a UJ qualifier. The exceedance of QC criteria by calibration compounds is common and sample results qualified as estimated because of calibration deficiencies are considered useable data according to risk assessment guidance (USEPA, 1989b).

For SVOC analyses, all holding times, tuning criteria, and internal standard/surrogate recovery criteria were met. However, five continuing calibration standards contained compounds with differences between 25 and 50 percent. No qualification of data was required because compounds exceeding criteria were not detected in associated samples. One set of MS/MSDs contained three compounds with spike recoveries above QC limits. However, no qualification of data was required because associated samples did not contain these compounds.

Analytical method blanks associated with certain VOC sample analyses contained detectable concentrations of acetone and methylene chloride. Acetone and methylene chloride are common laboratory solvents and are frequently observed artifacts in laboratory method blanks. Table 8-7 summarizes analytical method blank results for VOCs. Analytical blanks associated with SVOC sample analyses contained detectable concentrations of bis(2-ethylhexyl)phthalate. Phthalate compounds are common laboratory and field contaminants that can originate from

Table 8-7 Summary of Volatile Organic Compounds Detected in Method Blanks

Blank ID	Methylene chloride (ug/l)	Acetone (ug/l)	Associated Samples				
VBW1170	16	5 U	11H10116, BT102FB,	BS101ER, 11H10632,	BT101FB, BS103ER,	11H10342, BT103FB	BS102ER
VBW1189	5	5 U	11H11134, BS102FB, BS106ER,	BS105ER, BS103FB, BS106FB	BT104FB, BT105FB,	11H11346, 11H11625,	BS101FB 11H11625D
VBW1276	18	5 U	CRP-PW1, CRP-PW9,	CRP-PW2, BT107FB,	CRP-PW3, 11H11835,	CRP-PW5, 11H11950,	CRP-PW6 CRP-PW17 BT108FB
VBW1295	5	5 U	11H12015, BT109FB,	11H12045, BS109ER,	CRP-PW22,	CRP-PW21,	CRP-PW26
VBW1302	5	5 U	11SW103,	11SW104,	11SW104D,	11SW105,	BT110FB
VBW1311	8	5 U	CRP-PW29, 11H12716,	CRP-PW29D, 11H12740,	CRP-PW32, BS110ER,	CRP-PW33, BT111FB	CRP-PW39
VBW1329	8	5 U	11H12811, CRP-PW45,	CRP-PW41, BT112FB,	11H12748, BS111ER,	11H12748D, CRP-PW46,	CRP-PW43 CRP-PW47
VBW2329	2	5 U	CRP-PW42, BT113FB,	CRP-PW48, BS104FB,	CRP-PW50, BS105FB,	CRP-PW51, BS106FB	CRP-PW51D
VBW1438	3	5 U	BS107FB,	BS121ER,	BT117FB,	11H14229	
VBW2276	5	5 U	CRP-PW3D,	CRP-PW4,	BS108ER		
VBS1302	23 ug/kg	4 J ug/kg	11SD101,	11SD102,	11SD102D,	11SD103	
	bis(2-Ethylhexyl)phthalate (µg/l)						
SB34302	1 J		11SW105				
SB34443	35		11H14621,	11H14621D,	BS123ER		

Notes: J = value is considered estimated because it is less than the Contract Required Quantitation Limit
U = compound was not detected at the stated quantitation limit
µg/l = micrograms per liter
µg/kg = micrograms per kilogram

many types of plastic gloves, containers, and tubing used during field and laboratory operations. Table 8-7 summarizes analytical method blank results for SVOCs.

Qualifications of sample results for VOC and SVOC compounds associated with blank contamination were made according to NEESA Level D QC guidelines and are as follows.

- If a chemical is present in a method blank but not in associated samples, the sample results are reported unqualified at the Sample Quantitation Limit (SQL). For the five common VOC and SVOC laboratory contaminants, the CRQLs are as follows:

	Aqueous	Soil
Methylene chloride	10 µg/l	10 µg/kg
Acetone	5 µg/l	5 µg/kg
2-Butanone	5 µg/l	5 µg/kg
Toluene	1 µg/l	1 µg/kg
Phthalates	10 µg/l	330 µg/kg

  µg/l = micrograms per liter
  µg/kg = micrograms per kilogram

- If a chemical is present in the sample above the SQL, but is less than five times the concentration detected in the associated blanks (10 times for the chemicals listed above), qualify the result as undetected, "U." The "U" designation signifies that the chemical was analyzed for but not detected.

- If the sample result is below the SQL and less than five times the blank value (10 times for the chemicals listed above), qualify by reporting as undetected at the SQL.

- If the chemical is present at more than five times the SQL (10 times for the above chemicals), report as an unqualified result.

8.2.2.2 **Evaluation of Field QC Samples** Nine source water blanks, 15 trip blanks, and 13 rinseate blanks were collected during field activities. The nine source water blanks represented organic-free, deionized water used as a final rinse during equipment decontamination procedures, regular deionized water used as an intermediate rinse during equipment decontamination procedures, and potable water used to steam-clean equipment. The 13 equipment rinseate samples were collected during decontamination procedures involving hydrocone equipment.

The VOCs methylene chloride and/or acetone were detected in three trip blanks as shown in Table 8-8. Sample results for VOC compounds associated with trip blank contamination are qualified according to NEESA Level D QC guidelines. Sample results for methylene chloride and acetone associated with trip blank contamination were appropriately qualified as undetected because sample values were less than 10 times the trip blank concentration.

Table 8-8 Summary of Compounds Detected in Rinseate Blanks, Source Water Blanks, and Trip Blanks

	Equipment Rinseate Blanks								
Compounds Detected (μg/l)	BS101ER	BS102ER	BS103ER	BS106ER	BS108ER	BS109ER	BS110ER	BS111ER	BS114ER
Acetone[1]	22	3 J	7	8 J	5 J	50 J	4 J	7	7 J
Carbon disulfide	1 U	1 U	51	1 U	70	74	1 U	1	6
Methylene chloride[1]	17 U	16 U	14 U	2 U	2 U	3 U	8 U	2 U	11 U
Toluene	1 U	1 U	1 U	1 U	2	3	1 U	1 U	1
Xylenes (total)	1 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U

	Source Water Blanks			Trip Blanks		
Compounds Detected (μg/l)	BS101FB	BS104FB	BS108FB	BT107FB	BT109FB	BT114FB
Acetone[2]	5 U	5 U	5 U	4 J	4 J	5 U
Methylene chloride[1]	4 U	2 U	2 U	27 U	4 U	15 J
Bromodichloromethane	15	11	7	1 U	1 U	1 U
Bromoform	1 U	2	1 U	1 U	1 U	1 U
Chloroform	11	12	7	1 U	1 U	1 U
Dibromochloromethane	12	10	6	1 U	1 U	1 U

Notes:

BSXXXER = hydrocone rinseate blank
BSXXXFB = source water blank
BTXXXFB = volatile trip blank
μg/l = micrograms per liter
U = compound was not detected at the stated concentration

1 = sample result(s) are considered estimated and flagged with a J qualifier because an associated continuing calibration standard exceeded QC limits.
2 = sample results are considered estimated and flagged with a J qualifier because concentrations are less than the Sample Quantitation Limit.

The VOCs bromodichloromethane, bromoform, chloroform, and dibromochloromethane were detected in the three source water blanks representing potable water. VOCs were not detected in the blanks representing organic-free, deionized water and regular deionized water. Chloroform, bromoform, bromodichloromethane, and dibromochloromethane are trihalomethanes that form in water chlorinated for drinking water disinfection. No qualification of data was required because none of the environmental samples associated with these field blanks contained detectable concentrations of these trihalomethanes.

Nine of the 13 equipment rinseate blanks contained detectable concentrations of VOCs that could not be attributed to method blank contamination (see Table 8-8). Xylenes were detected in one rinseate blank, BS109ER, but were not detected in environmental samples associated with this blank. The presence of toluene in three rinseate blanks may be attributable to poor equipment decontamination procedures following the collection of hydrocone samples (H11835 and H13642), which contained relatively high concentrations of toluene, 120 and 61 μg/l, respectively. One hydrocone sample, H12045, contained toluene at a concentration similar to the concentration detected in the corresponding rinseate BS109ER (4 μg/l). The toluene result for H12045 is attributed to incomplete decontamination and has been qualified as not detected (4 U μg/l).

Except for one rinseate sample (BS111ER), the presence of carbon disulfide in rinseate blanks cannot be directly attributed to equipment decontamination because none of the samples associated with these rinseates contained carbon disulfide at concentrations higher than the rinseate concentration. Concentrations of carbon disulfide in samples that were lower than concentrations found in associated rinseate blanks are considered to be artifacts and have been qualified as not detected. Because the presence of carbon disulfide in rinseate samples is sporadic, and a source of carbon disulfide in the rinseates cannot be established, the analytical measurement of carbon disulfide in all environmental samples collected during the investigation is considered to have a positive bias.

Nine of the 11 rinseate samples submitted for VOC analysis contained acetone at concentrations ranging from 3 J μg/l to 50 J μg/l. Three possible sources of acetone in rinseate blanks are groundwater samples containing high concentrations of acetone, isopropanol used during equipment decontamination that has partially degraded to form acetone or contained acetone as an impurity, and/or acetone used during sample preparation at the laboratory. Sample results associated with rinseate blank contamination are qualified according to NEESA Level D QC guidelines. Qualification criteria for blank contamination are discussed in Subsection 8.2.2.1 of this document. Table 8-9 provides a summary of acetone detected in groundwater samples and in associated rinseate samples and sample results after NEESA Level D qualification.

The prevalence of acetone in the rinseate blanks indicates it is present as a sampling artifact and suggests a positive bias in the analytical measurement of acetone in all environmental samples collected during this investigation. The source of the acetone may be from incomplete rinsing after decontamination and can vary in any environmental sample.

Review of VOC and SVOC results for field duplicates generally showed good agreement.

Table 8-9 Summary of Acetone Detected in Rinseate Blanks and Associated Groundwater Samples

Sample Number	Sample Concentration (μg/l)	Associated Rinseate Concentration (μg/l)	Sample Concentration after Qualification (μg/l)
H10116	170	22	170
H10342	170	3 J	170
H10632	14	7	14 U
H11134	58	5 U	58
H11346	28	5 U	28
H11625	10 U	8 J	10 U
H11835	330 J	5 J	330 J
H11950	38	5 J	38 U
H12015	40	50 J	40 U
H12045	54	50 J	54 U
H12716	13	4 J	13 U
H12740	93	4 J	93
H12748	160	7	160
H12811	8	7	8 U
H13642	100 J	7 J	100 J
H13646	24	7 J	24 U
H14229	6	5 U	6

Notes:

U = compound was not detected at the stated concentration
J = estimated value
μg/l = micrograms per liter

With one exception, all duplicate results outside control limits were detected at or near the instrument detection limit. Carbon disulfide was detected in replicate groundwater samples from one hydrocone location (11H12748) at 5 and 13 $\mu g/l$. The discrepancy between results may be attributed to sampling techniques, analytical techniques, or heterogeneity of the sample matrix.

8.2.2.3 Off-site Data Use The quality of the off-site sampling data generated during the field program met the established field QC criteria and was traceable to sample location. The data generated meet Level D Data Quality Objectives (DQOs) established for the Interim Corrective Measure Screening Investigation and are acceptable for use in site characerization and evaluation.

Blank qualifications for VOCs resulted in elevated detection limits for the chemicals discussed earlier. The widespread occurence of acetone and the unknown origin of carbon disulfide in rinseate blanks render data for acetone and carbon disulfide suspect for groundwater and PIW samples containing these compounds at concentrations that could not be directly attributed to contamination. The source of acetone and carbon disulfide in rinseate samples will be further investigated during future field programs at NSB Kings Bay.

8.2.3 Statistical Comparison of Field Laboratory Results and Off-Site Laboratory Results A statistical analysis of groundwater contamination data was performed on the analytical results from on-site analysis and results from off-site laboratory analysis. Two sets of field data were collected: hydrocone groundwater samples and groundwater samples obtained from PIWs.

The hydrocone groundwater samples were collected from 46 locations at various depths to provide a total of 144 samples. In addition, 16 duplicate samples were collected. Of these 144 samples, 17 were also analyzed at an off-site laboratory for confirmation. The PIW samples were collected from 51 locations with 25 sent to the off-site laboratory for confirmation. Because of instrument instability at the on-site laboratory over a 2-day period, vinyl chloride results for those 2 days were removed from the analysis.

With both sets of data, a problem in comparing the results from the two different analytical techniques is the disparity between quantification or detection limits. For most VOCs, the on-site analytical laboratory detection limits were 5 $\mu g/l$ (except vinyl chloride at 2 $\mu g/l$ and xylenes at 10 $\mu g/l$), whereas the off-site laboratory detection limit was 1 $\mu g/l$. A problem arises when comparing laboratory results reported at concentrations below the field analytical detection limit. Because the concentrations observed are very close to the detection limit, the standard practice of substituting the detection limit or one-half the detection limit when the results were reported as "less than" values would bias the comparison. Because most of the data were below the detection limit, the statistical analysis would be comparing two different detection limits, not analytical results. To compare the results from the two analytical procedures, it was necessary to transform the data to a more comparable form. Therefore, for this evaluation, the off-site laboratory results were transformed to match up with the corresponding field detection limits. If the field result was below the detection limit and the corresponding off-site laboratory value was reported at any level less than this value (whether it be a detected concentration or a "less than" value), then the laboratory value was transformed to the field result. For example, suppose the field GC result for VOC "X" was "<5" and the off-site laboratory result was "2." Because the field result was below the detection limit and the off-site laboratory value was also less than

this value, the off-site laboratory value was transformed to "<5." The evaluation is concerned with differences that are above the field GC detection limit because the true value of a reported "<5" result cannot be quantified.

Because the vast majority of data is below the detection limit, the preferred standard Gaussian parametric procedures such as ANOVA (analysis of variance) and paired t-Test would be inappropriate. The Wilcoxon Signed Rank nonparametric procedure was employed to test for differences between the paired data sets. Nonparametric procedures do not require the data to follow a known distribution as do most parametric procedures such as ANOVA and t-Tests. The Wilcoxon procedure does not require the data to be normally or lognormally distributed and therefore is more appropriate for this analysis. The procedure relies on the fact that if paired data were comparable then the differences would by symmetrically distributed with a mean difference of zero. If the distribution of differences is skewed in either direction this would be evidence that the two data are not comparable. The first step in this procedure is to rank the differences between the paired on-site and off-site data results and assign the ranks a sign, say "+" for on-site being the greater value and "-" for off-site being the greater value. If paired data are comparable then the "+" ranks and "-" ranks would be approximately evenly distributed and the sum of the "+" ranks and"-" ranks would not be significantly different (i.e, the sum would not be significantly greater or less than zero). The Wilcoxon Signed Rank test deletes ties (zero differences) so the probability levels are calculated for only non-zero differences. The results of the analyses are presented in Tables 8-10 (hydrocone) and 8-11 (PIW).

The results from on-site and off-site analyses for all compounds, except for vinyl chloride and cis-1,2-dichloroethene, are statistically similar. Vinyl chloride and cis-1,2-dichloroethene data from the on-site and off-site analyses had a statistical difference. Vinyl chloride concentrations detected by on-site analysis were frequently not confirmed by off-site analysis. This is attributed to unavoidable loss of vinyl chloride due to volatization during transport to the off-site laboratory. Conversely, cis-1,2-dichloroethene concentrations reported by off-site analysis were not consistent with concentrations reported by on-site analysis. The off-site analysis included mass spectroscopy in conjunction with GC. Some compounds, such as cis-1,2-dichloroethene, are better suited for quantification using mass spectroscopy. The statistical difference between cis-1,2-dichloroethene data is attributed to difference in performance capabilities of GC alone and GC combined with mass spectroscopy.

Based on the measured precision and accuracy of the on-site and off-site results, and a statistical test for comparability of results, the on-site data can be used to augment the off-site data for site characterization.

Table 8-10 Wilcoxon Signed Rank Test Results: Hydrocone Data

Analyte	Non-Zero Differences	Sum On-site Ranks	Sum Off-site Ranks	Probability Level	Conclusion
Benzene	3	1	5	.250	ACCEPT
Ethylbenzene	4	2	8	.188	ACCEPT
Tetrachloroethene	1	1	0	N/A	ACCEPT[1]
Toluene	6	3	18	.078	ACCEPT
Trichloroethene	3	2	4	.375	ACCEPT
Vinyl Chloride	7	28	0	.008	REJECT
Xylenes (Total)	3	0	6	.125	ACCEPT[1]
cis-1,2-dichloroethene	7	0	28	.008	REJECT
trans-1,2-dichloroethene	1	0	1	N/A	ACCEPT[1]

Table 8-11 Wilcoxon Signed Rank Test Results: Private Well Data

Analyte	Non-zero Differences	Sum On-site Ranks	Sum Off-site Ranks	Probability Level	Conclusion
Benzene	0	0	0	N/A	ACCEPT[1]
Ethylbenzene	1	0	1	N/A	ACCEPT[1]
Tetrachloroethene	0	0	0	N/A	ACCEPT[1]
Toluene	0	0	0	N/A	ACCEPT[1]
Trichloroethene	0	0	0	N/A	ACCEPT[1]
Vinyl Chloride[1]	2	3	0	.250	ACCEPT[1]
Xylenes (Total)	0	0	0	N/A	ACCEPT[1]
cis-1,2-dichloroethene	3	0	6	.125	ACCEPT[1]
trans-1,2-dichloroethene	0	0	0	N/A	ACCEPT[1]

[1] - "Accept" indicates that there were too few quantifiable results to reject the hypothesis that the on-site laboratory and off-site laboratory results are similar. In order to reject at the 95% confidence limit there would have to be at least six quantifiable values - all ranks greater for either laboratory.

NA = not applicable

9.0 QUALITY ASSURANCE PROGRAM AND DATA QUALITY ASSESSMENT

This section summarizes the analytical program for on-site and off-site analyses of groundwater samples and PIW samples collected during the 1993 follow-on ICMSI field activities at Site 11. In addition, it assesses on-site and off-site data quality and useability and compares on-site and off-site analytical results.

9.1 ANALYTICAL PROGRAM. Field activities during the screening investigation included the collection of groundwater samples from the landfill using hydropunch equipment and from PIWs. All samples were collected in accordance with procedures outlined in the Quality Assurance Project Plan, Appendix A, of the NSB Kings Bay RFI/Site Investigation Work Plan (ABB-ES, 1991). Groundwater samples from the landfill were analyzed in an on-site laboratory with a minimum of 10 percent of the samples submitted for confirmatory off-site analysis. PIW groundwater samples were submitted to the off-site laboratory and were not analyzed in the on-site laboratory. Table 9-1 summarizes the sampling and analysis program for samples collected for on-site and off-site laboratory analysis.

9.1.1 On-Site Chemical Analysis Hydropunch groundwater samples collected for on-site analysis were analyzed for target VOCs using a gas chromatographic (GC) field laboratory. The analytical method was a modification of the USEPA 8010/8020 purge-and-trap GC method as described in the ICMSI Work Plan (ABB-ES, 1992f).

9.1.1.1 On-Site Analytical Method Modifications to the USEPA 8010/8020 Method are summarized in this subsection. Samples were analyzed using an LSC-2000 purge-and trap unit connected to a Hewlett-Packard™ 5890 GC. A DB-624 75-meter megabore column was used for compound separation. The on-site GC was equipped with a purge-and-trap unit and two detectors, a photometric ionization detector and an electrolytic conductivity (Hall) detector. A standard sample volume of 25 milliliters was used for each analysis. The following run conditions were established:

LSC-2000 purge time = 6 minutes
LSC-2000 desorb time = 3 minutes
LSC-2000 bake time = 5 minutes
HP 5890 injection port temperature = 225 °C
HP 5890 detector port temperature = 275 °C
HP 5890 initial oven temperature = 35 °C
HP 5890 oven temperature ramp = 6 °C per minute
helium carrier flow = 10 ml per minute
helium make-up flow = 20 ml per minute
hydrogen make-up flow = 75 ml per minute

9.1.1.2 Performance Criteria The quality control (QC) criteria for the on-site analytical method were established to monitor method performance. An initial three-point calibration for quantitation (low, mid-range, and high concentrations) was performed for each instrument. Target compounds and reporting limits are presented on Table 9-2. Instrument stabilities were monitored every 24 hours with a calibration standard at the mid-range concentration. The quantitation performance criterion for operation was agreement of the check standard with the three-point calibration curve to within 30 percent.

Table 9-1 Summary of Sampling and Analysis Program for Samples Collected for On-site and Off-site Analysis

Type of Sampling	Number of VOC Analyses	
	On-site	Off-site
Groundwater	50	5
Private Irrigation Wells	0	11
Field Duplicates		
Groundwater	4	1
Private Irrigation Wells	0	3
Quality Control Samples		
Trip Blanks	0	4
Equipment Rinsate Blanks	9	3
Source Water Blanks	2	2
MS/MSDs	3	2
Method Blanks	10	8

Notes:

VOC = Volatile Organic Compound
MS/MSD = Matrix Spike/Matrix Spike Duplicate

Table 9-2 Target Compounds and Reporting Limits for On-site Analysis

Compound Name	Reporting Limit (μg/l)
Vinyl Chloride	1.0
trans-1,2-Dichloroethene	1.0
cis-1,2-Dichloroethene	1.0
Trichloroethene	1.0
Tetrachloroethene	1.0
Benzene	1.0
Toluene	1.0
Ethylbenzene	1.0
m/p-Xylene	2.0
o-Xylene	1.0

Note: μg/l = micrograms per liter

The identities of the target compounds were based on comparison with the retention times for the standards. Retention time windows of plus or minus 3 percent were established, based on the most recent calibration curve. Every 24 hours, a method blank of deionized water was analyzed to confirm that no target compounds were introduced by sample handling and analysis. The method blank criterion was met if no target compounds were present above the reporting limit for the instrument. A surrogate solution containing 100 micrograms per liter ($\mu g/l$) of bromofluorobromine was injected into each sample to establish percentage recoveries. The recovery range of 30 to 170 percent was established as one of the operating criteria for on-site analyses.

9.1.2 Off-Site Analysis In accordance with the ICMSI Work Plan (ABB-ES, 1992f), a minimum of 10 percent of all groundwater samples collected for on-site VOC analysis and all PIW samples were submitted to a contract laboratory for chemical analysis. Table 9-1 summarizes the sampling and analysis program for samples collected for off-site analysis. Samples for VOC analysis were analyzed according to the USEPA CLP SOW for multi-media samples (USEPA, 1991a). Naval Energy and Environmental Support Activity (NEESA) Level D documentation (NEESA, 1988) was used for VOC analyses. Appendix C contains validated Level D Data.

Because many target VOCs currently have Federal Primary Drinking Water Maximum Contaminant Levels (MCLs) below their respective CLP Contract Required Quantitation Limits, it was necessary to achieve lower reporting limits for VOCs. Based on VOC Method Detection Limit (MDL) studies performed and submitted by the contract laboratory, lower reporting limits for VOCs were achieved. Table 3-3 lists the TCL VOCs, their corresponding MDLs, and the reporting limits used during this investigation. All reporting limits listed in Table 9-3 are lower than corresponding Federal Primary Drinking Water MCLs. Appendix B of the ICMS Investigation report (ABB-ES, 1993a) contains data supporting the MDL study.

9.2 DATA QUALITY ASSESSMENT. Data generated by the on-site and off-site laboratories were reviewed against applicable performance criteria. In addition, data quality indicators of precision, accuracy, representativeness, comparability, and completeness (PARCC) were evaluated and established for both on-site and off-site data, as discussed below.

9.2.1 On-Site Data Quality and Use All samples collected for on-site analysis during the screening investigation were properly preserved, placed in coolers, and packed with ice immediately after collection. All samples remained in the custody of an investigation team member until delivery to the on-site laboratory. Except for one groundwater sample (G15230), all groundwater samples collected during the investigation were analyzed by the on-site laboratory. Groundwater sample G15230 could not be analyzed on site because of insufficient sample volume; however, this sample was analyzed by the off-site laboratory.

9.2.1.1 Analytical Performance Review of analytical data indicated the on-site laboratory generally met applicable analytical QC criteria for VOC analyses. All tuning criteria, extraction and analysis holding times, initial and continuing calibration standard criteria, and internal standard/surrogate recoveries were met. Overall, no qualification of environmental data was required based on precision and accuracy criteria. However, qualifications were required because several analytical method blanks contained target compounds at concentrations ranging from below the reporting limit of 1.0 $\mu g/l$ to 2.7 $\mu g/l$. Table 9-4 summarizes compounds detected in on-site analytical method blanks. In accordance

Table 9-3 Method Detection Limits (MDLs) and Reporting Limits for Volatile Organic Compounds

	MDL (μg/l)	Reporting Limit (μg/l)
Volatile Organic Compounds (37 total)		
Method: Contract Laboratory Program Statement of Work for Organic Analysis, Multi-media, Multi-concentration, USEPA Document No. OLM01.0, 1991.		
Chloromethane	0.203	1
cis-1,3-Dichloropropene	0.274	1
Bromomethane	0.396	1
Trichloroethene	0.185	1
Vinyl Chloride	0.165	1
Dibromochloromethane	0.190	1
Chloroethane	0.147	1
1,1,2-Trichloroethane	0.268	1
Methylene Chloride	9.712	10
Benzene	0.235	1
Acetone	3.491	5
trans-1,3-Dichloropropene	0.097	1
Carbon Disulfide	0.114	1
Bromoform	0.230	1
1,1-Dichloroethene	0.175	1
2-Hexanone	0.465	5
1,1-Dichloroethane	0.205	1
4-Methyl-2-Pentanone	0.746	5
cis-1,2-Dichloroethene	0.215	1
Tetrachloroethene	0.340	1
trans-1,2-Dichloroethene	0.254	1
1,1,2,2-Tetrachloroethane	0.391	1
Chloroform	0.285	1
Toluene	0.167	1
1,2-Dichloroethane	0.160	1
Chlorobenzene	0.238	1
2-Butanone	0.709	5
Ethylbenzene	0.195	1
1,1,1-Trichloroethane	0.221	1
Styrene	0.240	1
Carbon Tetrachloride	0.354	1
Xylenes (total)	0.141	1
Bromodichloromethane	0.144	1
1,3-Dichlorobenzene	0.126	1
1,2-Dichloropropane	0.236	1
1,4-Dichlorobenzene	0.164	1
1,2-Dichlorobenzene	0.222	1

Note: μg/l = micrograms per liter

Table 9-4 Summary of Compounds Detected in On-site Analytical Method Blanks

Compound	Reporting Limit	Blank ID Numbers (µg/l)				
		GC002	GC011	GC020	GC032	GC053
Vinyl chloride	1	1 U	1 U	1 U	1 U	0.41 J
trans-1,2-Dichloroethene	1	1 U	1 U	0.98 J	1.0	1 U
cis-1,2-Dichloroethene	1	0.74 J	0.63 J	0.93 J	0.97 J	0.65 J
Trichloroethene	1	2.7	1 U	1 U	1 U	1 U
Tetrachloroethene	1	0.28 J	0.63 J	0.82 J	0.89 J	0.74 J
Benzene	1	0.66 J	1 U	0.71 J	0.77 J	1 U
Toluene	1	0.29 J	1.4	0.50 J	0.52 J	0.34 J
Ethylbenzene	1	0.30 J	1.8	0.72 J	0.71 J	0.62 J
m/p-Xylene	2	0.35 J	2 U	2 U	2 U	2 U
o-Xylene	1	0.60 J	1 U	0.34 J	0.35 J	1 U

Compound	Reporting Limit	Blank ID Numbers (µg/l)				
		GC059	GC069	GC088	GC108	GC122
Vinyl chloride	1	1 U	1 U	1 U	0.79 J	1 U
trans-1,2-Dichloroethene	1	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	1	0.62 J	0.79 J	0.56 J	1.1	0.47 J
Trichloroethene	1	1 U	1 U	1 U	1.1	1 U
Tetrachloroethene	1	0.76 J	0.59 J	0.54 J	1.0	0.48 J
Benzene	1	0.57 J	0.57 J	0.57 J	0.68 J	1 U
Toluene	1	1.6	1.1	0.78 J	0.85 J	0.43 J
Ethylbenzene	1	0.83 J	0.82 J	0.84 J	1.2	0.62 J
m/p-Xylene	2	2 U	2 U	2 U	2 U	2 U
o-Xylene	1	0.74 J	0.47 J	0.50 J	0.63 J	1 U

Notes: U = compound not detected at the stated quantitation limit
J = sample result is considered estimated because it is less than the reporting limit
µg/l = micrograms per liter

with NEESA Level C guidelines (NEESA, 1988), all positive sample results associated with method blank contamination were qualified as undetected if the sample concentration was less than five times the blank concentration. Sample concentrations greater than five times associated method blank concentrations did not require qualification.

9.2.1.2 On-Site Data Use Performance criteria for the on-site analytical method, described in Subsection 9.1.1.2, were used to assess the quality of data generated by the field laboratory. PARCC parameters were established based on the extent of conformance to these performance criteria.

The accuracy and precision of the on-site analytical method were established. Accuracy was calculated based on the range of matrix spike percentage recoveries (%R) for matrix spike/matrix spike duplicate (MS/MSD) samples and precision was calculated based on the relative percentage difference (RPD) between spike results for MS/MSD samples. Calculation of %R and RPD are as follows:

$$\%R = (\text{spike sample result} / \text{concentration of spike added}) \times 100 \quad (1)$$

and

$$RPD = \frac{|\text{MS result} - \text{MSD result}|}{(\text{MS result} + \text{MSD result}) / 2} \times 100 \quad (2)$$

Three sets of MS/MSD samples were analyzed on site during field activities and the precision and accuracy results for the target compounds are shown in Table 9-5. The accuracy range was 73 to 210 and the precision range was 0 to 18 percent. Overall, no qualification of environmental data was required based on accuracy criteria.

Representativeness is a qualitative parameter that expresses how well the sampling represents the environmental conditions of the sampled media. Field duplicate samples, equipment rinsate samples, and source water blanks were collected to give an indication of representativeness and to monitor method reproducibility. A total of four duplicate samples were collected and analyzed on site. In general, results for field duplicates show good agreement with RPD values ranging from 0 to 35 percent. Nine equipment rinsate samples and two source water blanks were collected and analyzed by the on-site laboratory. None of the rinsate samples or source water blanks contained target compounds.

The completeness of the on-site data set was measured by establishing what percentage of the data set was considered valid after data review. Valid results are defined as those results from analyses meeting the performance criteria defined by calibration checks and surrogate recoveries. The completeness for all analytes was established to be 100 percent.

Comparability is discussed in Subsection 9.2.3 of this document.

Overall, data generated by the on-site analytical laboratory met USEPA Level II criteria for field screening and are suitable for use in site characterization, engineering design, and evaluation of remedial alternatives.

Table 9-5 Summary of Precision and Accuracy for On-site MS/MSD Analysis

Compound	MS/MSD Recovery Range (Accuracy)	RPD Range (Precision)
Vinyl Chloride	76-100	3-9
trans-1,2-Dichloroethene	110-210	0-2
cis-1,2-Dichloroethene	120-180	0-13
Trichloroethene	89-150	9-14
Tetrachloroethene	100-170	7-14
Benzene	90-120	2-10
Toluene	73-110	9-16
Ethylbenzene	92-120	0-8
m/p-Xylene	90-120	9-10
o-Xylene	91-120	0-18
USEPA Method 8010/8020	75-120	2-28

Notes:

RPD = Relative Percentage Difference
MS/MSD = Matrix Spike/Matrix Spike Duplicate

9.2.2 Off-Site Data Quality and Use All samples collected for off-site analysis were properly preserved, placed in coolers, and packed with ice immediately after collection. All samples remained in the custody of an investigation team member until delivery to the courier service providing overnight shipment to the laboratory. All samples requiring off-site analysis were shipped, complete with chain-of-custody forms, to the contract laboratory within 24 hours for analysis. Upon arrival at the laboratory, the chain-of-custody and preservation of the samples were checked with the contents of each cooler. After verification, the chain-of-custody form was signed and the samples accepted for analysis.

Review of the field notebook and chain-of-custody forms did not indicate any non-conformance relative to field instrument calibration or sample handling. Except for one sample delivery, all required field QC samples were collected in conformance with the requirements of the USEPA, NEESA, and ABB-ES Quality Assurance Plans and the June 1988 NEESA "Sampling and Chemical Analysis Quality Assurance Requirements for the Navy Installation Restoration Program" (NEESA, 1988) (Document 20.2-047B). These field QC samples included field duplicates, equipment rinsate blanks, source water blanks, and VOC trip blanks for each VOC sample shipment.

Analytical results for environmental samples collected during the investigation were evaluated and validated according to NEESA Level D QC criteria to establish data quality and useability. NEESA Level D documentation and validation requirements are equivalent to USEPA Level IV requirements. The data tables included in Appendix C of this report reflect validation according to Level D criteria, which are described in Subsection 7.3.1 of NEESA Document 20.2-047B. The following subsections discuss analytical performance and the evaluation of field and laboratory QC samples.

9.2.2.1 Analytical Performance Data review and NEESA Level D validation were performed under subcontract. Review of analytical data indicated the laboratory generally met applicable analytical QC criteria for all chemical analyses. Appendix C of the ICMS Investigation Report (ABB-ES, 1993a) contains a detailed evaluation of each PARCC parameter and data tables summarizing analytical results for MS/MSD samples, initial and continuing calibration standards, field duplicate samples, and compounds detected in method blanks, trip blanks, rinsate blanks, and source water blanks. The following subsections summarize evaluations of each PARCC parameter.

For VOC analyses, all analytical holding times, tuning criteria, internal standard/surrogate recoveries, and MS/MSD criteria were met. Except for one equipment rinsate sample, BS126ER, no qualifications were required based on precision or accuracy criteria. The positive sample result for acetone in BS126ER was qualified as estimated and flagged with a J qualifier because an associated continuing calibration standard exceeded QC limits for acetone.

Field duplicate samples, analytical method blanks, trip blanks, equipment rinsate samples, and source water blanks were collected to give an indication of representativeness and to monitor method reproducibility. A total of four duplicate samples were collected and analyzed off site. In general, results for field duplicates show good agreement. However, one set of PIW replicate samples, PW-55/PW-55D, showed disagreement in results for one common laboratory contaminant, acetone. Acetone was detected in replicate samples PW-55 and PW-55D at 19 and 32 μg/l, respectively; however, the result for PW-55D was qualified as

undetected due to method blank contamination. The poor replication of acetone in duplicate samples and the prevalence of acetone in several method blanks associated with this investigation and previous investigations at Site 11 indicate that the concentrations of acetone detected in PIW samples are most likely laboratory artifacts.

Four trip blanks, three equipment rinsate blanks, and two source water blanks were submitted for off-site VOC analysis. The equipment rinsate samples were collected during decontamination procedures involving hydropunch equipment. The source water blanks represented organic-free, deionized water used as a final rinse during equipment decontamination procedures (BS113FB) and potable water used to steam-clean hydropunch equipment (BS114FB). Trip blanks accompanied each VOC sample shipment to monitor contamination introduced during sample collection, shipment, and storage. However, one sample shipment including PIW samples PW-60, PW-61, PW-61D, PW-62, and PW-55D did not contain a trip blank. One common laboratory contaminant, 2-butanone, was detected in one sample associated with the shipment (PW-61D) but was not detected in the replicate sample (PW-61). The presence of 2-butanone in PW-61D is considered suspect and may be due to laboratory or sampling contamination.

In summary, the representativeness of the data was only affected by the prevalence of acetone, methylene chloride, and carbon disulfide in analytical method blanks and the prevalence of acetone in rinsate samples. The occurrence of acetone, methylene chloride, and carbon disulfide in method blanks and field blanks render data for these compounds suspect for groundwater and PIW samples containing these compounds at concentrations that could not be directly attributed to contamination.

Comparability could not be accurately measured for data collected during this investigation because environmental samples were not submitted to two different contract laboratories; however, the results of the on-site analyses were compared to those of the off-site results and are discussed in Subsection 3.2.3 of this document.

The completeness goal for laboratory analysis for this investigation was 95 percent useable data. Unusable data are those results reported by the laboratory but rejected during the validation process. For all samples collected during this investigation, the analytical completeness was established to be 100 percent.

9.2.2.2 Off-Site Data Use Overall, the data generated during this investigation meet Level D data quality objectives established for the ICMSI and are acceptable for use in site characterization and evaluation. Blank qualifications for VOCs resulted in elevated detection limits for the chemicals discussed earlier. The widespread occurrence of acetone, and methylene chloride and the unknown origin of carbon disulfide in method blanks and field blanks render data for these compounds suspect for groundwater and PIW samples containing these compounds at concentrations that could not be directly attributed to contamination. The source of these contaminants will be further investigated during future field programs at NSB Kings Bay.

9.2.3 Comparison of On-Site Laboratory Results and Off-Site Laboratory Results
Four groundwater samples that were analyzed on site were also analyzed by the off-site laboratory. A summary of analytical results for the 10 target VOCs analyzed by both laboratories, in units of $\mu g/l$, are as follows:

Sample	Compound	On-site	Off-site
G15030	(no target VOCs detected by either analysis)		
G15885	vinyl chloride	1.5	1 U
	cis-1,2-dichloroethene	7.0	1 U
	toluene	4.0	2
G15940/G15940D	vinyl chloride	4.6/4.3	1 U
	cis-1,2-dichloroethene	18/20	6
	ethylbenzene	16/22	15
	m/p-xylene	2 U/2 U	12 (total)
	o-xylene	4.6/1 U	12 (total)
G16035	vinyl chloride	6.9	1 U
	cis-1,2-dichloroethene	64 J	22
	trichloroethene	1 U	3
	benzene	12	5
	toluene	20	11
	ethyl benzene	8.4	6
	m/p-xylene	6.4	14 (total)
	o-xylene	8.6	14 (total)

Except for vinyl chloride and cis-1,2-dichloroethene, on-site laboratory results correlated well with off-site results when target compounds were detected in both on-site and off-site samples at concentrations greater than five times the quantitation limit. Comparison of vinyl chloride and cis-1,2-dichloroethene results for on-site and off-site samples indicated that the off-site laboratory may have experienced a loss of sensitivity for these compounds. The loss of sensitivity most likely occurred during shipment to the laboratory via air transport or during sample preparation at the analytical laboratory.

Based on the comparison of the on-site and off-site results, the on-site data can be used to augment the off-site data for site characterization.

Appendix L

Precision and Accuracy Results for the RFI Program

HEARTLAND ENVIRONMENTAL
SERVICES, INC.

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PRECISION AND ACCUARCY

FIELD DUPLICATE RESULTS

AND

MS/MSD RESULTS

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FIELD DUPLICATE PRECISION - TABLE 1.1
VOLATILES

SDG	SAMPLE ID	MATRIX	NO. ASSC. SAMPLES	COMPOUND	SAMPLE CONC.	DUP CONC	MAX RPD	RPD
20867	KB05SB0203	SOIL	7	XYLENE (TOTAL)	3	0	35%	200.0%
20873	KB11SB0303	SOIL	6	ACETONE	96	210	35%	74.5%
20940	05SS03	SOIL	7	ACETONE	12000	17000	35%	34.5%
21002	KBA-11-3	WATER	5	CHLOROBENZENE	6	7	20%	15.4%
				1,4-DICHLOROBENZENE	13	15	20%	14.3%
20985	KBA-5-4	WATER	7	NO COMPOUNDS DETECTED	NA	NA	20%	NA
21628	KBA-5-5	WATER	5	NO COMPOUNDS DETECTED	NA	NA	20%	NA
21644	KBA-11-2	WATER	5	VINYL CHLORIDE	64	100	20%	43.9%
				1,2-DICHLOROETHENE(TOTAL	16	22	20%	31.6%
				TETRACHLOROETHENE	1	1	20%	0.0%
				XYLENE(TOTAL)	2	4	20%	66.7%
22201	KBA-5-3A	WATER	8	NO COMPOUNDS DETECTED	NA	NA	20%	NA
22191	KBA-11-2	WATER	5	VINYL CHLORIDE	63	150	20%	81.7%
				1,2-DICHLOROETHENE(TOTAL	5	10	20%	66.7%
				TOLUENE	0	2	20%	200.0%
				XYLENE(TOTAL)	0	2	20%	200.0%
22711	KBA-11-2	WATER	9	VINYL CHLORIDE	48	71	20%	38.7%
				1,2-DICHLOROETHENE(TOTAL	4	8	20%	66.7%
				TOLUENE	0	1	20%	200.0%
22727	KBA-5-3	WATER	4	NO COMOUNDS DETECTED	NA	NA	20%	NA
34467	KBA-11-2	WATER	4	VINYL CHLORIDE	140	160	20%	13.3%
				CHLOROETHANE	3	3	20%	0.0%
				1,2-DICHLOROETHENE(TOTAL	11	13	20%	16.7%
				ETHYLBENZENE	1	1	20%	0.0%
				XYLENE(TOTAL)	4	2	20%	66.7%
				1,4-DICHLOROBENZENE	1	1	20%	0.0%
				TOLUENE	0	3	20%	200.0%
23710	KBA-11-2	WATER	3	VINYL CHLORIDE	100	85	20%	16.2%
				1,2-DICHLOROETHENE(TOTAL	12	11	20%	8.7%
				TOLUENE	2	2	20%	0.0%
				XYLENE(TOTAL)	2	2	20%	0.0%
23739	KBA-5-3	WATER	2	NO COMPOUNDS DETECTED	NA	NA	20%	NA
23751	KBA-16-2	WATER	4	NO COMPOUNDS DETECTED	NA	NA	20%	NA
20865			3					
20900			3					
20917			1					
21652			4					
21616			4					
21599			2					
21012			1					
34464			5					
23740			5					
20997			7					
22205			4					
22203			4					
22723			4					
22725			3					
23726			6					

% OF DUPLICATES COLLECTED	RPD IN	RPD OUT	% WITHIN RPD LIMIT
10.9%	19	14	57.6%

000001

FIELD DUPLICATE PRECISION - TABLE 1.1.1
SEMI-VOLATILES

SDG	SAMPLE ID	MATRIX	NO. ASSC. SAMPLES	COMPOUND	SAMPLE CONC.	DUP CONC	MAX RPD	RPD
20867	KB05SB02030	SOIL	7	BIS(2-ETHYLHEXYL)PHTHALATE	590	360	35%	48.4%
20873	KB11SB03030	SOIL	6	NO COMPOUNDS DETECTED	NA	NA	35%	NA
20940	05SS03	SOIL	7	BIS(2-ETHYLHEXYL)PHTHALATE	790	710	35%	10.7%
21002	KBA-11-3	WATER	5	1,4-DICHLOROBENZENE	4	7	20%	54.5%
				BIS(2-ETHYLHEXYL)PHTHALATE	31	0	20%	200.0%
20985	KBA-5-4	WATER	7	DIETHYLPHTHALATE	2	0	20%	200.0%
				DI-N-BUTYLPHTHALATE	2	0	20%	200.0%
21628	KBA-5-5	WATER	5	BIS(2-ETHYLHEXYL)PHTHALATE	18	0	20%	200.0%
21644	KBA-11-2	WATER	5	NO COMPOUNDS DETECTED	NA	NA	20%	NA
22205	KBA-16-2	WATER	4	BIS(2-ETHYLHEXYL)PHTHALATE	3	6	20%	66.7%
22723	KBA-16-2	WATER	4	BIS(2-ETHYLHEXYL)PHTHALATE	0	1	20%	200.0%
23751	KBA-16-2	WATER	4	NO COMPOUNDS DETECTED	NA	NA	20%	NA
20865			3					
20900			3					
20917			1					
21652			4					
21616			4					
21599			2					
21012			1					
22725			0					
23739			0					

% OF DUPLICATES COLLECTED	RPD IN	RPD OUT	% WITHIN RPD LIMIT
13.9%	4	8	33.3%

FIELD DUPLICATE PRECISION - TABLE 1.1.2
PESTICIDES

SDG	SAMPLE ID	MATRIX	NO. ASSC. SAMPLES	COMPOUND	SAMPLE CONC.	DUP CONC	MAX RPD	RPD
20867	KB05SB02030	SOIL	7	NO COMPOUNDS DETECTED	NA	NA	35%	NA
20873	KB11SB03030	SOIL	6	NO COMPOUNDS DETECTED	NA	NA	35%	NA
20940	05SS03	SOIL	7	NO COMPOUNDS DETECTED	NA	NA	35%	NA
21002	KBA-11-3	WATER	5	NO COMPOUNDS DETECTED	NA	NA	35%	NA
20985	KBA-5-4	WATER	7	NO COMPOUNDS DETECTED	NA	NA	20%	NA
21628	KBA-5-5	WATER	5	NO COMPOUNDS DETECTED	NA	NA	20%	NA
21644	KBA-11-2	WATER	5	NO COMPOUNDS DETECTED	NA	NA	20%	NA
22727	KBA-5-3	WATER	4	NO COMPOUNDS DETECTED	NA	NA	20%	NA
22201	KBA-5-3B	WATER	3	NO COMPOUNDS DETECTED	NA	NA	20%	NA
22208	05-SS-08	WATER	7	NO COMPOUNDS DETECTED	NA	NA	20%	NA
23739	KBA-5-3	WATER	2	NO COMPOUNDS DETECTED	NA	NA	20%	NA
22203			4					
20865			3					
20900			3					
20917			1					
21652			4					
21616			4					
21599			2					
20997			7					
21012			1					
23740			5					
22725			3					

% OF DUPLICATES COLLECTED	RPD IN	RPD OUT	% WITHIN RPD LIMIT
11.6%	11	0	100.0%

000003

FIELD DUPLICATE PRECISION - TABLE 1.1.3
METALS

SDG	SAMPLE ID	MATRIX	NO. ASSC. SAMPLES	COMPOUND	SAMPLE CONC.	DUP CONC	MAX RPD	RPD
20867	KB05SB02030	SOIL	7	ARSENIC	0.24	0	35%	200.0%
				BARIUM	5	5.3	35%	5.8%
				BERYLLIUM	0.05	0.07	35%	33.3%
				CHROMIUM	6.5	6	35%	8.0%
				LEAD	2.7	3.2	35%	16.9%
				NICKEL	0.98	0.98	35%	0.0%
				SELENIUM	0.71	0.33	35%	73.1%
20873	KB11SB03030	SOIL	6	BARIUM	3	2.7	35%	10.5%
				CADMIUM	0.81	0	35%	200.0%
				LEAD	1.8	0.88	35%	68.7%
				NICKEL	2.2	0	35%	200.0%
				VANADIUM	1.7	1.6	35%	6.1%
20940	05SS03	SOIL	7	BARIUM	3	3	35%	0.0%
				BERYLLIUM	0.15	0.11	35%	30.8%
				CHROMIUM	6.2	6.1	35%	1.6%
				LEAD	5.3	5.5	35%	3.7%
				VANADIUM	3.4	3.2	35%	6.1%
				ZINC	15.9	11.9	35%	28.8%
21002	KBA-11-3	WATER	5	ANTIMONY	11.1	0	20%	200.0%
				BARIUM	155	280	20%	57.5%
				BERYLLIUM	2	2.9	20%	36.7%
				CHROMIUM	113	177	20%	44.1%
				COBALT	3.9	0	20%	200.0%
				LEAD	18.8	14.8	20%	23.8%
				MERCURY	0.6	0.67	20%	11.0%
				NICKEL	0	42.2	20%	200.0%
				SELENIUM	24.5	26	20%	5.9%
				VANADIUM	87.4	138	20%	44.9%
				ZINC	0	102	20%	200.0%
				CYANIDE	3	0	20%	200.0%
20985	KBA-5-4	WATER	7	ANTIMONY	14	0	20%	200.0%
				ARSENIC	15.9	18	20%	12.4%
				BARIUM	601	588	20%	2.2%
				BERYLLIUM	3.1	2.9	20%	6.7%
				CHROMIUM	103	3.7	20%	186.1%
				COLBALT	28.5	29.1	20%	2.1%
				COPPER	31.7	36.9	20%	15.2%
				LEAD	22	25.2	20%	13.6%
				NICKEL	40.2	42.7	20%	6.0%
				SELENIUM	2	1.6	20%	22.2%
				THALLIUM	1.6	1.5	20%	6.5%
				TIN	232	0	20%	200.0%
				VANDIUM	84.7	82.6	20%	2.5%
				ZINC	153	177	20%	14.5%

000004

FIELD DUPLICATE PRECISION - TABLE 1.1.3
METALS - PAGE - 2

SDG	SAMPLE ID	MATRIX	NO. ASSC. SAMPLES	COMPOUND	SAMPLE CONC.	DUP CONC	MAX RPD	RPD
21628	KBA-5-5	WATER	5	ARSENIC	22.5	24	20%	6.5%
				BARIUM	187	187	20%	0.0%
				BERYLLIUM	2.6	2.3	20%	12.2%
				CADMIUM	1.3	3.1	20%	81.8%
				CHROMIUM	30.8	30.2	20%	2.0%
				COBALT	14.7	13	20%	12.3%
				COPPER	9.6	9.8	20%	2.1%
				LEAD	17.8	16.9	20%	5.2%
				NICKEL	24.3	24.7	20%	1.6%
				SELENIUM	3.3	2.5	20%	27.6%
				THALLIUM	1.1	1.3	20%	16.7%
				VANADIUM	42.1	37.6	20%	11.3%
				ZINC	62.9	62.2	20%	1.1%
21644	KBA-11-2	WATER	5	BARIUM	26.2	25.9	20%	1.2%
				BERYLLIUM	1.7	1.7	20%	0.0%
				CHROMIUM	38.1	37.2	20%	2.4%
				COPPER	6.4	6.2	20%	3.2%
				LEAD	4.5	5.6	20%	21.8%
				SELENIUM	2.7	2.9	20%	7.1%
				VANADIUM	20.2	24.6	20%	19.6%
				CYANIDE	6.1	6.1	20%	0.0%
22201	KBA-11-3	WATER	9	ARSENIC	2.7	2.6	20%	3.8%
				BARIUM	49	57.6	20%	16.1%
				BERYLLIUM	0.45	0.73	20%	47.5%
				CHROMIUM	34.3	38.7	20%	12.1%
				COPPER	27.6	72.6	20%	89.8%
				LEAD	12.4	87.2	20%	150.2%
				SELENIUM	6.4	5.5	20%	15.1%
				VANADIUM	26.2	30.2	20%	14.2%
				ZINC	37.3	128	20%	109.7%
				CYANIDE	4.4	0	20%	200.0%
				COBALT	0	1.6	20%	200.0%
				NICKEL	0	61.4	20%	200.0%
22201	KBA-5-3A	WATER	0	ARSENIC	6.7	5.8	20%	14.4%
				BARIUM	92.8	82.6	20%	11.6%
				CHROMIUM	13.5	12.9	20%	4.5%
				COBALT	3.3	0	20%	200.0%
				COPPER	61.8	89.9	20%	37.0%
				LEAD	6.1	14.7	20%	82.7%
				NICKEL	109	30.2	20%	113.2%
				VANADIUM	12.7	9.2	20%	32.0%
				ZINC	199	123	20%	47.2%
				BERYLLIUM	0	0.26	20%	200.0%
22191	KBA-11-2	WATER	8	ARSENIC	2.4	2.4	20%	0.0%
				BARIUM	30.2	24	20%	22.9%
				BERYLLIUM	0.49	0.26	20%	61.3%
				CHROMIUM	27.2	27.9	20%	2.5%
				COPPER	27.8	0	20%	200.0%
				LEAD	8.5	10.3	20%	19.1%
				NICKEL	23.9	23.6	20%	1.3%
				SILVER	1.7	0	20%	200.0%
				VANADIUM	13.4	11.6	20%	14.4%

000003

FIELD DUPLICATE PRECISION - TABLE 1.1.3
METALS - PAGE - 3

SDG	SAMPLE ID	MATRIX	NO. ASSC. SAMPLES	COMPOUND	SAMPLE CONC.	DUP CONC	MAX RPD	RPD
22203	KBA-5-5	WATER	8	ARSENIC	37	8.3	20%	126.7%
				BARIUM	207	0	20%	200.0%
				BERYLLIUM	1.7	0	20%	200.0%
				CHROMIUM	46.4	0	20%	200.0%
				COBALT	10.8	0	20%	200.0%
				COPPER	38.2	13.1	20%	97.9%
				LEAD	36.9	0	20%	200.0%
				MERCURY	0.27	0	20%	200.0%
				NICKEL	56.9		20%	200.0%
				THALLIUM	3	0	20%	200.0%
				VANADIUM	42.1	0	20%	200.0%
				ZINC	135	23.9	20%	139.8%
22711	KBA-11-2	WATER	9	ARSENIC	3.2	2.7	20%	16.9%
				BARIUM	26.4	19	20%	32.6%
				BERYLLIUM	0.42	0	20%	200.0%
				CHROMIUM	27.6	21.9	20%	23.0%
				COPPER	35.2	10.2	20%	110.1%
				LEAD	11.9	6.7	20%	55.9%
				MERCURY	0.6	0.61	20%	1.7%
				NICKEL	34	10.7	20%	104.3%
				SELENIUM	2.7	0	20%	200.0%
				SILVER	3.4	2.8	20%	19.4%
				VANADIUM	15.7	10	20%	44.4%
				ZINC	64	32.9	20%	64.2%
22711	KBA-11-9	WATER	0	ARSENIC	7.5	3.5	20%	72.7%
				BARIUM	91.9	52.4	20%	54.7%
				BERYLLIUM	2.4	1.4	20%	52.6%
				CHROMIUM	100	68.1	20%	38.0%
				COBALT	2.6	1.8	20%	36.4%
				COPPER	27.4	23.5	20%	15.3%
				LEAD	11.6	0	20%	200.0%
				MERCURY	0.49	0.61	20%	21.8%
				NICKEL	11.3	13	20%	14.0%
				SELENIUM	2.7	0	20%	200.0%
				SILVER	1.9	2.8	20%	38.3%
				VANADIUM	61.3	41.3	20%	39.0%
				ZINC	56.5	41.4	20%	30.8%

000033

FIELD DUPLICATE PRECISION - TABLE 1.1.3
METALS - PAGE - 4

SDG	SAMPLE ID	MATRIX	NO. ASSC. SAMPLES	COMPOUND	SAMPLE CONC.	DUP CONC	MAX RPD	RPD
22727	KBA-5-3	WATER	8	ARSENIC	10.4	7.6	20%	31.1%
				BARIUM	124	119	20%	4.1%
				BERYLLIUM	1	0.66	20%	41.0%
				CHROMIUM	24.6	17.2	20%	35.4%
				COBALT	7.2	4.8	20%	40.0%
				COPPER	14.9	18.7	20%	22.6%
				LEAD	5.2	4.7	20%	10.1%
				MERCURY	0.37	0.26	20%	34.9%
				VANADIUM	23.1	15.7	20%	38.1%
				ZINC	54.5	48.4	20%	11.9%
22725	KBA-5-5	WATER	6	ANTIMONY	17	0	20%	200.0%
				ARSENIC	9.9	2.3	20%	124.6%
				CHROMIUM	21.6	0	20%	200.0%
				LEAD	9.6	0	20%	200.0%
				NICKEL	10.8	0	20%	200.0%
34467	KBA-11-2	WATER	8	BARIUM	15.5	14.8	20%	4.6%
				BERYLLIUM	0.41	0.35	20%	15.8%
				CHROMIUM	15.1	15.3	20%	1.3%
				COPPER	7.7	5.7	20%	29.9%
				LEAD	6.6	5	20%	27.6%
				NICKEL	7.4	5.7	20%	26.0%
				VANADIUM	8	9.5	20%	17.1%
				ZINC	29.6	12.8	20%	79.2%
				CYANIDE	3.1	3.2	20%	3.2%
				SELENIUM	0	2.6	20%	200.0%
				SILVER	0	2.4	20%	200.0%
34467	BKA-11-2F	WATER	0	BARIUM	5.1	5.3	20%	3.8%
				CHROMIUM	9	4.2	20%	72.7%
				COPPER	145	2.9	20%	192.2%
				NICKEL	527	0	20%	200.0%
				VANADIUM	4.3	5.1	20%	17.0%
				ZINC	138	0	20%	200.0%
				MERCURY	0	0.31	20%	200.0%
				SILVER	0	2	20%	200.0%
				CYANIDE	0	2.2	20%	200.0%
				TIN	0	15.9	20%	200.0%
23710	KBA-11-2	WATER	6	ARSENIC	1.9	1.6	20%	17.1%
				BARIUM	11.1	14.3	20%	25.2%
				CHROMIUM	8.1	10.8	20%	28.6%
				LEAD	5.8	6.4	20%	9.8%
				SELENIUM	2	0	20%	200.0%
				VANADIUM	5.5	5.9	20%	7.0%
				ZINC	42	24.4	20%	53.0%

FIELD DUPLICATE PRECISION - TABLE 1.1.3
METALS - PAGE - 5

SDG	SAMPLE ID	MATRIX	NO. ASSC. SAMPLES	COMPOUND	SAMPLE CONC.	DUP CONC	MAX RPD	RPD
23710	KBA-11-2F	WATER	0	ARSENIC	1.2	1	20%	18.2%
				BARIUM	4.5	4.4	20%	2.2%
				CADMIUM	3.1	3.9	20%	22.9%
				VANADIUM	3.6	4.6	20%	24.4%
				ZINC	24	36.3	20%	40.8%
				LEAD	0	2.8	20%	200.0%
23739	KBA-5-3	WATER	4	ARSENIC	6.7	6.2	20%	7.8%
				BARIUM	76.3	80.8	20%	5.7%
				BERYLLIUM	0.38	0.42	20%	10.0%
				CHROMIUM	15.6	13.4	20%	15.2%
				COBALT	4.5	5.7	20%	23.5%
				COPPER	6.5	6.5	20%	0.0%
				LEAD	5.2	6.9	20%	28.1%
				VANADIUM	10.5	11.8	20%	11.7%
				ZINC	56.3	78.5	20%	32.9%
				TIN	702	0	20%	200.0%
				MERCURY	0	0.07	20%	200.0%
23739	KBA-5-3F	WATER	0	ARSENIC	2.6	2	20%	26.1%
				BARIUM	48.5	44.1	20%	9.5%
				CADMIUM	3.4	0	20%	200.0%
				COBALT	3.4	4.8	20%	34.1%
				LEAD	2.6	0	20%	200.0%
				MERCURY	0.08	0	20%	200.0%
				ZINC	18.5	46.7	20%	86.5%
				ANTIMONY	0	17.6	20%	200.0%
				TIN	0	15.8	20%	200.0%
23751	KBA-16-2	WATER	8	ARSENIC	17.7	21.4	20%	18.9%
				BARIUM	68.6	75.3	20%	9.3%
				BERYLLIUM	0.85	0.99	20%	15.2%
				CHROMIUM	33	38.4	20%	15.1%
				COBALT	12.3	13.5	20%	9.3%
				COPPER	9.8	10.3	20%	5.0%
				LEAD	10.7	12.4	20%	14.7%
				NICKEL	24.5	23.8	20%	2.9%
				SELENIUM	2.6	2.6	20%	0.0%
				VANADIUM	34.2	40.6	20%	17.1%
				ZINC	59.5	70.2	20%	16.5%
				CYANIDE	4.2	0	20%	200.0%

000033

FIELD DUPLICATE PRECISION - TABLE 1.1.3
METALS - PAGE - 6

SDG	SAMPLE ID	MATRIX	NO. ASSC. SAMPLES	COMPOUND	SAMPLE CONC.	DUP CONC	MAX RPD	RPD
20865			3					
20900			4					
20917			1					
21652			4					
21616			4					
21599			2					
20997			7					
21012			1					
22710			9					
34464			10					
23726			12					
23740			10					
22205			8					
22202			7					
22723			7					

% OF DUPLICATES COLLECTED	RPD IN	RPD OUT	% WITHIN RPD LIMIT
18.0%	104	120	46.4%

000009

FIELD DUPLICATE PRECISION - TABLE 1.1.4
HERBICIDE

SDG	SAMPLE ID	MATRIX	NO. ASSC. SAMPLES	COMPOUND	SAMPLE CONC.	DUP CONC	MAX RPD	RPD
20867	KB05SB02030	SOIL	7	NO COMPOUNDS DETECTED	NA	NA	35%	NA
20873	KB11SB03030	SOIL	6	NO COMPOUNDS DETECTED	NA	NA	35%	NA
20940	05SS03	SOIL	7	NO COMPOUNDS DETECTED	NA	NA	35%	NA
21002	KBA-11-3	WATER	5	NO COMPOUNDS DETECTED	NA	NA	35%	NA
20985	KBA-5-4	WATER	7	NO COMPOUNDS DETECTED	NA	NA	20%	NA
21628	KBA-5-5	WATER	5	NO COMPOUNDS DETECTED	NA	NA	20%	NA
21644	KBA-11-2	WATER	5	NO COMPOUNDS DETECTED	NA	NA	20%	NA
20900			3					
20917			1					
21652			4					
21616			4					
21599			2					
20997			7					
21012			1					
20865			3					

% OF DUPLICATES COLLECTED	RPD IN	RPD OUT	% WITHIN RPD LIMIT
10.4%	7	0	100.0%

000010

FIELD DUPLICATE PRECISION - TABLE 1.1.5
ORGANOPHOSPHATES

SDG	SAMPLE ID	MATRIX	NO. ASSC. SAMPLES	COMPOUND	SAMPLE CONC.	DUP CONC	MAX RPD	RPD
20867	KB05SB02030	SOIL	7	NO COMPOUNDS DETECTED	NA	NA	35%	NA
20873	KB11SB03030	SOIL	6	NO COMPOUNDS DETECTED	NA	NA	35%	NA
20940	05SS03	SOIL	7	NO COMPOUNDS DETECTED	NA	NA	35%	NA
21002	KBA-11-3	WATER	5	NO COMPOUNDS DETECTED	NA	NA	35%	NA
20985	KBA-5-4	WATER	7	NO COMPOUNDS DETECTED	NA	NA	20%	NA
21628	KBA-5-5	WATER	5	NO COMPOUNDS DETECTED	NA	NA	20%	NA
21644	KBA-11-2	WATER	5	NO COMPOUNDS DETECTED	NA	NA	20%	NA
20900			3					
20917			1					
21652			4					
21616			4					
21599			2					
20997			7					
21012			1					
20865			3					

% OF DUPLICATES COLLECTED	RPD IN	RPD OUT	% WITHIN RPD LIMIT
10.4%	7	0	100.0%

000011

FIELD DUPLICATE PRECISION - TABLE 1.1.6
DIOXINS/FURANS

SDG	SAMPLE ID	MATRIX	NO. ASSC. SAMPLES	COMPOUND	SAMPLE CONC.	DUP CONC	MAX RPD	RPD
20867	KB05SB02030	SOIL	7	NO COMPOUNDS DETECTED	NA	NA	35%	NA
20873	KB11SB03030	SOIL	6	NO COMPOUNDS DETECTED	NA	NA	35%	NA
20940	05SS03	SOIL	7	NO COMPOUNDS DETECTED	NA	NA	35%	NA
21002	KBA-11-3	WATER	5	NO COMPOUNDS DETECTED	NA	NA	20%	NA
20985	KBA-5-4	WATER	7	NO COMPOUNDS DETECTED	NA	NA	20%	NA
21628	KBA-5-5	WATER	5	NO COMPOUNDS DETECTED	NA	NA	20%	NA
21644	KBA-11-2	WATER	5	NO COMPOUNDS DETECTED	NA	NA	20%	NA
20865			3					
20900			3					
20917			1					
21652			4					
21599			2					
20997			7					
21616			4					
21012			1					

% OF DUPLICATES COLLECTED	RPD IN	RPD OUT	% WITHIN RPD LIMIT
10.4%	7	0	100.0%

000012

FIELD DUPLICATE PRECISION - TABLE 1.1.7
GC/VOAS

SDG	SAMPLE ID	MATRIX	NO. ASSC. SAMPLES	COMPOUND	SAMPLE CONC.	DUP CONC	MAX RPD	RPD
22711	KBA-11-2	WATER	4	VINYL CHLORIDE	15	100	20%	147.8%
				CHLOROETHANE	0	3.3	20%	200.0%
				CIS-1,2-DICHLOROETHENE	0	4.8	20%	200.0%
				TOLUENE	0	1.1	20%	200.0%

% OF DUPLICATES COLLECTED	RPD IN	RPD OUT	% WITHIN RPD LIMIT
25.0%	0	4	0.0%

000013

FIELD DUPLICATE PRECISION - TABLE 1.1.8
SULFIDE

SDG	SAMPLE ID	MATRIX	NO. ASSC. SAMPLES	COMPOUND	SAMPLE CONC.	DUP CONC	MAX RPD	RPD
20867	KB05SB02030	SOIL	7	NO SULFIDE DETECTED	NA	NA	35%	NA
20873	KB11SB03030	SOIL	6	NO SULFIDE DETECTED	NA	NA	35%	NA
20940	05SS03	SOIL	7	NO SULFIDE DETECTED	NA	NA	35%	NA
21002	KBA-11-3	WATER	5	SULFIDE	0.6	1	20%	50.0%
20985	KBA-5-4	WATER	7	SULFIDE	0.3	0.4	20%	28.6%
21628	KBA-5-5	WATER	5	SULFIDE	1.2	3.1	20%	88.4%
21644	KBA-11-2	WATER	5	SULFIDE	2.6	1	20%	88.9%
22201	KBA-11-3	WATER	8	SULFIDE	0.2	0.2	20%	0.0%
				TDS	932	0	20%	200.0%
				TSS	693	0	20%	200.0%
22201	KBA-5-3A	WATER	0	SULFIDE	0	0.2	20%	200.0%
				TDS	177	160	20%	10.1%
				TSS	79	152	20%	63.2%
22191	KBA-11-2	WATER	8	SULFIDE	0.3	0.2	20%	40.0%
				TDS	182	225	20%	21.1%
				TSS	198	338	20%	52.2%
22203	KBA-5-5	WATER	8	SULFIDE	0.3	0.2	20%	40.0%
				TDS	107	0	20%	200.0%
				TSS	1450	0	20%	200.0%
22711	KBA-11-2	WATER	9	SULFIDE	0.2	0	20%	200.0%
				TDS	298	282	20%	5.5%
				TSS	420	665	20%	45.2%
22711	KBA-11-9	WATER	0	SULFIDE	0	0.2	20%	200.0%
				TDS	144	0	20%	200.0%
				TSS	468	0	20%	200.0%
22727	KBA-5-3	WATER	8	SULFIDE	0.2	0.2	20%	0.0%
				TDS	214	254	20%	17.1%
				TSS	303	234	20%	25.7%
22725	KBA-5-5	WATER	6	SULFIDE	0.2	0	20%	200.0%
				TDS	102	0	20%	200.0%
				TSS	303	0	20%	200.0%
34467	KBA-11-2	WATER	8	SULFIDE	0.2	0.2	20%	0.0%
				TDS	240	130	20%	59.5%
				TSS	169	187	20%	10.1%

000014

FIELD DUPLICATE PRECISION - TABLE 1.1.8
SULFIDE - PAGE - 2

SDG	SAMPLE ID	MATRIX	NO. ASSC. SAMPLES	COMPOUND	SAMPLE CONC.	DUP CONC	MAX RPD	RPD
34467	KBA-11-2F	WATER	0	SULFIDE	0.1	0	20%	200.0%
23710	KBA-11-2	WATER	6	SULFIDE	0.2	0.2	20%	0.0%
				TDS	192	166	20%	14.5%
				TSS	129	219	20%	51.7%
23710	KBA-11-2F	WATER	0	SULFIDE	0.2	0	20%	200.0%
23739	KBA-5-3	WATER	4	SULFIDE	0	0.2	20%	200.0%
				TDS	167	159	20%	4.9%
				TSS	1020	289	20%	111.7%
23739	KBA-5-3F	WATER	0	SULFIDE	0.2	0	20%	200.0%
23751	KBA-16-2	WATER	8	SULFIDE	0.3	0	20%	200.0%
				TDS	411	361	20%	13.0%
				TSS	543	530	20%	2.4%
20900			3					
20917			1					
21652			4					
21616			4					
21599			2					
20997			7					
21012			1					
22710			9					
34464			10					
23726			12					
23740			10					
20865			3					
22205			8					
22207			7					
22723			7					

% OF DUPLICATES COLLECTED	RPD IN	RPD OUT	% WITHIN RPD LIMIT
12.3%	17	31	35.4%

MATRIX SPIKE/MATRIX SPIKE DUPLICATE - TABLE 1.2
VOLATILE OUTLIER SUMMARY TABLE

MS = MATRIX SPIKE *SAMPLE 05SB04030ADL*		SDG 20865		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
VOA COMPOUNDS	UNITS			
1,1-DICHLOROETHENE	ug/L	*19	*18	
TRICHLOROETHENE	ug/L			
BENZENE	ug/L			
TOLUENE	ug/L			
CHLOROBENZENE	ug/L			

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

20865: KBBT00101FB, KBBS00101FB, KBBS00101ER, KB05SB060301, KB05SB050301, KB05SB070301

MS = MATRIX SPIKE *SAMPLE KB05SB010301*		SDG 20867		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
VOA COMPOUNDS	UNITS			
1,1-DICHLOROETHENE	ug/L			
TRICHLOROETHENE	ug/L			
BENZENE	ug/L			
TOLUENE	ug/L			
CHLOROBENZENE	ug/L			

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

20867: KB05SB030301, KB05SB040301, KB05SB010301, KB05SB020301, KBBT00201FB, KBBS00201ER, KB11SB060201, KB11SB010301, KB11SB080301, KBBT00301FB, KBBS00301ER, KB05SB020301D

	WATER	SOIL		WATER	SOIL
1,1-DICHLOROETHENE	61%-145%	59%-172%		14	22
TRICHLOROETHENE	71%-120%	62%-137%		14	24
BENZENE	76%-127%	66%-142%		11	21
TOLUENE	76%-125%	59%-139%		13	21
CHLOROBENZENE	75%-130%	60%-133%		13	21

MATRIX SPIKE/MATRIX SPIKE DUPLICATE - TABLE 1.2

VOLATILE OUTLIER SUMMARY TABLE - PAGE - 2

MS = MATRIX SPIKE *SAMPLE 16SB0305*		SDG 20900		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
VOA COMPOUNDS	UNITS			
1,1-DICHLOROETHENE	ug/L			
TRICHLOROETHENE	ug/L			
BENZENE	ug/L			
TOLUENE	ug/L			
CHLOROBENZENE	ug/L			

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

20900: 16SB0405, 16SB0305, 16SB0105, BT05FB, BS05ER

MS = MATRIX SPIKE *SAMPLE 05SS04*		SDGS 20940		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
VOA COMPOUNDS	UNITS			
1,1-DICHLOROETHENE	ug/L			
TRICHLOROETHENE	ug/L			
BENZENE	ug/L			
TOLUENE	ug/L			
CHLOROBENZENE	ug/L			

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

20940: 05SS01, 05SS02, 05SS03, 05SS03D, 05SS04, 05SS05, 05SS06, 05SS07, BT07FB, BS07ER

	WATER	SOIL		WATER	SOIL
1,1-DICHLOROETHENE	61%-145%	59%-172%		14	22
TRICHLOROETHENE	71%-120%	62%-137%		14	24
BENZENE	76%-127%	66%-142%		11	21
TOLUENE	76%-125%	59%-139%		13	21
CHLOROBENZENE	75%-130%	60%-133%		13	21

MATRIX SPIKE/MATRIX SPIKE DUPLICATE - TABLE 1.2

VOLATILE OUTLIER SUMMARY TABLE - PAGE - 3

MS = MATRIX SPIKE *SAMPLE KBA-16-2*		SDG 21002		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
VOA COMPOUNDS	UNITS			
1,1-DICHLOROETHENE	ug/L			
TRICHLOROETHENE	ug/L			
BENZENE	ug/L			
TOLUENE	ug/L			
CHLOROBENZENE	ug/L			

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

21002: KBA-11-2, KBA-11-3, KBA-11-3D, KBA-16-2, BS10ER, KBA-16-3, KBBA-16-1, TRAVEL BLANK

MS = MATRIX SPIKE *SAMPLE KBA-5-4*		SDG 20985		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
VOA COMPOUNDS	UNITS			
1,1-DICHLOROETHENE	ug/L			
TRICHLOROETHENE	ug/L			
BENZENE	ug/L			
TOLUENE	ug/L			
CHLOROBENZENE	ug/L			

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

20985: KBA-5-1, KBA-5-2, KBA-5-3, KBA-5-4, KBA-5-4D, KBA-5-5, KBA-5-6 KBA-5-7, BS08ER, BS08FB

	WATER	SOIL		WATER	SOIL
1,1-DICHLOROETHENE	61%-145%	59%-172%		14	22
TRICHLOROETHENE	71%-120%	62%-137%		14	24
BENZENE	76%-127%	66%-142%		11	21
TOLUENE	76%-125%	59%-139%		13	21
CHLOROBENZENE	75%-130%	60%-133%		13	21

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MATRIX SPIKE/MATRIX SPIKE DUPLICATE - TABLE 1.2

VOLATILE OUTLIER SUMMARY TABLE - PAGE - 4

MS = MATRIX SPIKE *SAMPLE KBA-11-9*		SDG 20997		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
VOA COMPOUNDS	UNITS			
1,1-DICHLOROETHENE	ug/L			
TRICHLOROETHENE	ug/L			
BENZENE	ug/L			
TOLUENE	ug/L			
CHLOROBENZENE	ug/L			

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

20997: BT09FB, KBA-11-1, KBA-11-7, KBA-11-6, KBA-11-9, KBA-11-8,, BS09ER, KBA-11-4, KBA-11-5

MS = MATRIX SPIKE *SAMPLE KBA-5-3*		SDGs 21599, 21616, 21628		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
VOA COMPOUNDS	UNITS			
1,1-DICHLOROETHENE	ug/L			
TRICHLOROETHENE	ug/L			
BENZENE	ug/L			
TOLUENE	ug/L			
CHLOROBENZENE	ug/L			

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

21599: BS12ER, BT12FB, KBA-16-3, KBA-16-4
21616: BT13FB, KBA-16-2, KBA-16-1, KBA-5-3, BS13ER, KBA-5-4
21628: BT14FB, KBA-5-1, KBA-5-2, BS14ER, KBA-5-5, KBA-5-5D, KBA-5-7, KBA-5-6

	WATER	SOIL		WATER	SOIL
1,1-DICHLOROETHENE	61%-145%	59%-172%		14	22
TRICHLOROETHENE	71%-120%	62%-137%		14	24
BENZENE	76%-127%	66%-142%		11	21
TOLUENE	76%-125%	59%-139%		13	21
CHLOROBENZENE	75%-130%	60%-133%		13	21

MATRIX SPIKE/MATRIX SPIKE DUPLICATE - TABLE 1.2

VOLATILE OUTLIER SUMMARY TABLE - PAGE - 5

MS = MATRIX SPIKE SAMPLE KBA-11-7		SDGS 21652, 21644		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
VOA COMPOUNDS	UNITS			
1,1-DICHLOROETHENE	ug/L			
TRICHLOROETHENE	ug/L			
BENZENE	ug/L			
TOLUENE	ug/L			
CHLOROBENZENE	ug/L			

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

21652: BT16FB, BS05FB, BS04FB, BS16ER, KBA-11-3, KBA-11-4, KBA-11-5, KBA-11-6
21644: BT15FB, KBA-11-1, KBA-11-9, BS15ER, KBA-11-8, KBA-11-7, KBA-11-2, KBA-11-2D

MS = MATRIX SPIKE SAMPLE KBA-5-3A		SDG 22201		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
VOA COMPOUNDS	UNITS			
1,1-DICHLOROETHENE	ug/L			
TRICHLOROETHENE	ug/L			
BENZENE	ug/L			
TOLUENE	ug/L			
CHLOROBENZENE	ug/L			

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

22201: KBA-11-1, BT-18-FB, KBA-11-3, BS-18-ER1, KBA-11-4, KBA-11-5, KBA-11-6
KBA-5-2, KBA-5-3A, KBA-5-3D2

	WATER	SOIL		WATER	SOIL
1,1-DICHLOROETHENE	61%-145%	59%-172%		14	22
TRICHLOROETHENE	71%-120%	62%-137%		14	24
BENZENE	76%-127%	66%-142%		11	21
TOLUENE	76%-125%	59%-139%		13	21
CHLOROBENZENE	75%-130%	60%-133%		13	21

MATRIX SPIKE/MATRIX SPIKE DUPLICATE - TABLE 1.2

VOLATILE OUTLIER SUMMARY TABLE - PAGE - 6

MS = MATRIX SPIKE SAMPLE KBA-11-2		SDG 22191		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
VOA COMPOUNDS	UNITS			
1,1-DICHLOROETHENE	ug/L			
TRICHLOROETHENE	ug/L			
BENZENE	ug/L			
TOLUENE	ug/L			
CHLOROBENZENE	ug/L			

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

22191: KBA-11-2, KBA-11-2D, KBA-11-7, BT-17-FB, KBA-11-8, BS-17-ER, KBA-11-9

MS = MATRIX SPIKE SAMPLE KBA-16-4		SDGS 22205, 22203		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
VOA COMPOUNDS	UNITS			
1,1-DICHLOROETHENE	ug/L			
TRICHLOROETHENE	ug/L			
BENZENE	ug/L			
TOLUENE	ug/L			
CHLOROBENZENE	ug/L			

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

22205: BS-19-ER, BT-19-FB, KBA-16-4, KBA-16-3, KBA-16-2, KBA-16-1,
22203: BT-20-FB, BS-20-ER, KBA-5-7, KBA-5-6, KBA-5-5, KBA-5-4

	WATER	SOIL		WATER	SOIL
1,1-DICHLOROETHENE	61%-145%	59%-172%		14	22
TRICHLOROETHENE	71%-120%	62%-137%		14	24
BENZENE	76%-127%	66%-142%		11	21
TOLUENE	76%-125%	59%-139%		13	21
CHLOROBENZENE	75%-130%	60%-133%		13	21

MATRIX SPIKE/MATRIX SPIKE DUPLICATE - TABLE 1.2

VOLATILE OUTLIER SUMMARY TABLE - PAGE - 7

MS = MATRIX SPIKE SAMPLE KBA-11-2		SDGS 22711, 22723, 23710, 2372		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
VOA COMPOUNDS	UNITS			
1,1-DICHLOROETHENE	ug/L			
TRICHLOROETHENE	ug/L			
BENZENE	ug/L			
TOLUENE	ug/L			
CHLOROBENZENE	ug/L			

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

22723: KBA-16-1, BT-25-FB, KBA-16-2, KBA-16-3, KBA-16-4, BS-24-ER
22711: KBA-11-8, KBA-11-1, BT-23-FB, BS-22-ER, KBA-11-2, KBA-11-3, KBA-11-4, BS-23-ER, BT-24-FB, KBA-11-5, KBA-11-6, KBA-11-7, KBA-11-9, KBA-11-2D

MS = MATRIX SPIKE SAMPLE KBA-5-4		SDGS 22727, 22725		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
VOA COMPOUNDS	UNITS			
1,1-DICHLOROETHENE	ug/L			
TRICHLOROETHENE	ug/L			
BENZENE	ug/L			*16
TOLUENE	ug/L			
CHLOROBENZENE	ug/L			

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

22725: BT-27-FB, BS-26-ER, KBA-5-5, KBA-5-6, KBA-5-7, BS-10-FB, BS-12-FB
22727: KBA-5-4, BS-25-ER, BS-26-FB, KBA-5-1, KBA-5-2, KBA-5-3, KBA-5-3D

	WATER	SOIL		WATER	SOIL
1,1-DICHLOROETHENE	61%-145%	59%-172%		14	22
TRICHLOROETHENE	71%-120%	62%-137%		14	24
BENZENE	76%-127%	66%-142%		11	21
TOLUENE	76%-125%	59%-139%		13	21
CHLOROBENZENE	75%-130%	60%-133%		13	21

MATRIX SPIKE/MATRIX SPIKE DUPLICATE - TABLE 1.2

VOLATILE OUTLIER SUMMARY TABLE - PAGE - 8

MS = MATRIX SPIKE SAMPLE KBA-11-2		SDG 34467		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
VOA COMPOUNDS	UNITS			
1,1-DICHLOROETHENE	ug/L			
TRICHLOROETHENE	ug/L			
BENZENE	ug/L			
TOLUENE	ug/L			
CHLOROBENZENE	ug/L			

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

34467: BT-28-FB, KBA-11-9, KBA-11-8, KBA-11-1, KBA-11-2, KBA-11-2D, BS-27-ER
23710: BS-18-FB, BT-33-FB, BS-16-FB, BS-33-ER, KBA-11-2, KBA-11-2D, KBA-11-1, KBA-11-8
23726: KBA-11-9, KBA-11-7, KBA-11-6, KBA-11-5, BS-34-ER, KBA-11-4, KBA-11-3

MS = MATRIX SPIKE SAMPLE KBA-5-3		SDGs 23739, 23740		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
VOA COMPOUNDS	UNITS			
1,1-DICHLOROETHENE	ug/L			
TRICHLOROETHENE	ug/L			
BENZENE	ug/L			
TOLUENE	ug/L			
CHLOROBENZENE	ug/L			

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

23739: BT-35-FB, BS-21-FB, BS-19-FB, BS-35-ER, KBA-5-3, KBA-5-3D, KBA-5-5
23740: KBA-5-7, KBA-5-6, KBA-5-4, KBA-5-1, KBA-5-2

	WATER	SOIL		WATER	SOIL
1,1-DICHLOROETHENE	61%-145%	59%-172%		14	22
TRICHLOROETHENE	71%-120%	62%-137%		14	24
BENZENE	76%-127%	66%-142%		11	21
TOLUENE	76%-125%	59%-139%		13	21
CHLOROBENZENE	75%-130%	60%-133%		13	21

MATRIX SPIKE/MATRIX SPIKE DUPLICATE - TABLE 1.2.1

SEMI-VOLATILE OUTLIER SUMMARY TABLE

MS = MATRIX SPIKE *SAMPLE KB05SB010301*		SDG 20876		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
SVOA COMPOUNDS	UNITS			
1,4-DICHLOROBENZENE	ug/L			
N-NITROSO-DI-N-PROPYLAMINE	ug/L			
1,2,4,-TRICHLOROBENZENE	ug/L			
ACENAPHTHENE	ug/L			
2,4-DINITROTOLUENE	ug/L			
PYRENE	ug/L			
PHENOL	ug/L			
2-CHLOROPHENOL	ug/L			
4-CHLORO-3-METHYLPHENOL	ug/L			
4-NITROPHENOL	ug/L			
PENTACHLOROPHENOL	ug/L			

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

20867: KB05SB030301, KB05SB040301, KB05SB010301, KB05SB020301, KBBS00201ER, KB11SB060201, KB11SB010301, KB11SB080301, KBBS00301ER, KB05SB020301D

COMPOUND	ADVISORY LIMITS			RPD	
	WATER	SOIL		WATER	SOIL
1,4-DICHLOROBENZENE	36%-97%	28%-104%		28	27
N-NITROSO-DI-N-PROPYL	41%-116%	41%-116%		38	38
1,2,4,-TRICHLOROBENZE	39%-98%	38%-107%		28	23
ACENAPHTHENE	46%-118%	31%-137%		31	19
2,4-DINITROTOLUENE	24%-96%	28%-89%		38	47
PYRENE	26%-127%	35%-142%		31	36
PHENOL	12%-89%	26%-90%		42	35
2-CHLOROPHENOL	27%-123%	25%-102%		40	50
4-CHLORO-3-METHYLPHE	23%-97%	26%-103%		42	33
4-NITROPHENOL	10%-80%	11%-114%		50	50
PENTACHLOROPHENOL	9%-103%	17%-109%		50	47

MATRIX SPIKE/MATRIX SPIKE DUPLICATE - TABLE 1.2.1

SEMI-VOLATILE OUTLIER SUMMARY TABLE - PAGE - 2

MS = MATRIX SPIKE *SAMPLE 05SS04*		SDG 20940		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
SVOA COMPOUNDS	UNITS			
1,4-DICHLOROBENZENE	ug/L			
N-NITROSO-DI-N-PROPYLAMINE	ug/L			
1,2,4,-TRICHLOROBENZENE	ug/L			
ACENAPHTHENE	ug/L			
2,4-DINITROTOLUENE	ug/L			
PYRENE	ug/L			
PHENOL	ug/L			
2-CHLOROPHENOL	ug/L			
4-CHLORO-3-METHYLPHENOL	ug/L			
4-NITROPHENOL	ug/L			
PENTACHLOROPHENOL	ug/L			

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

20940: 05SS01, 05SS02, 05SS03, 05SS03D, 05SS04, 05SS05, 05SS06, 05SS07, BS07ER

COMPOUND	ADVISORY LIMITS			RPD	
	WATER	SOIL		WATER	SOIL
1,4-DICHLOROBENZENE	36%-97%	28%-104%		28	27
N-NITROSO-DI-N-PROPYL	41%-116%	41%-116%		38	38
1,2,4,-TRICHLOROBENZE	39%-98%	38%-107%		28	23
ACENAPHTHENE	46%-118%	31%-137%		31	19
2,4-DINITROTOLUENE	24%-96%	28%-89%		38	47
PYRENE	26%-127%	35%-142%		31	36
PHENOL	12%-89%	26%-90%		42	35
2-CHLOROPHENOL	27%-123%	25%-102%		40	50
4-CHLORO-3-METHYLPHE	23%-97%	26%-103%		42	33
4-NITROPHENOL	10%-80%	11%-114%		50	50
PENTACHLOROPHENOL	9%-103%	17%-109%		50	47

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MATRIX SPIKE/MATRIX SPIKE DUPLICATE - TABLE 1.2.1

SEMI-VOLATILE OUTLIER SUMMARY TABLE - PAGE - 3

MS = MATRIX SPIKE *SAMPLE KBA-11-9*		SDG 20997		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
SVOA COMPOUNDS	UNITS			
1,4-DICHLOROBENZENE	ug/L		8	132
N-NITROSO-DI-N-PROPYLAMINE	ug/L		10	129
1,2,4,-TRICHLOROBENZENE	ug/L	38	8	130
ACENAPHTHENE	ug/L		8	141
2,4-DINITROTOLUENE	ug/L		8	109
PYRENE	ug/L		13	109
PHENOL	ug/L			
2-CHLOROPHENOL	ug/L			
4-CHLORO-3-METHYLPHENOL	ug/L			
4-NITROPHENOL	ug/L			
PENTACHLOROPHENOL	ug/L			

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

20997: KBA-11-1, KBA-11-7, KBA-11-6, KBA-11-9, KBA-11-8, BS09ER, KBA-11-4, KBA-11-5, BS02FB, BS03FB

COMPOUND	ADVISORY LIMITS			RPD	
	WATER	SOIL		WATER	SOIL
1,4-DICHLOROBENZENE	36%-97%	28%-104%		28	27
N-NITROSO-DI-N-PROPYL	41%-116%	41%-116%		38	38
1,2,4,-TRICHLOROBENZE	39%-98%	38%-107%		28	23
ACENAPHTHENE	46%-118%	31%-137%		31	19
2,4-DINITROTOLUENE	24%-96%	28%-89%		38	47
PYRENE	26%-127%	35%-142%		31	36
PHENOL	12%-89%	26%-90%		42	35
2-CHLOROPHENOL	27%-123%	25%-102%		40	50
4-CHLORO-3-METHYLPHE	23%-97%	26%-103%		42	33
4-NITROPHENOL	10%-80%	11%-114%		50	50
PENTACHLOROPHENOL	9%-103%	17%-109%		50	47

MATRIX SPIKE/MATRIX SPIKE DUPLICATE - TABLE 1.2.1

SEMI-VOLATILE OUTLIER SUMMARY TABLE - PAGE - 4

MS = MATRIX SPIKE *SAMPLE KBA-5-3*		SDGs 21616, 21599, 21628		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
SVOA COMPOUNDS	UNITS			
1,4-DICHLOROBENZENE	ug/L			
N-NITROSO-DI-N-PROPYLAMINE	ug/L			
1,2,4,-TRICHLOROBENZENE	ug/L			
ACENAPHTHENE	ug/L			
2,4-DINITROTOLUENE	ug/L			
PYRENE	ug/L			
PHENOL	ug/L			
2-CHLOROPHENOL	ug/L			
4-CHLORO-3-METHYLPHENOL	ug/L			
4-NITROPHENOL	ug/L			
PENTACHLOROPHENOL	ug/L			

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

21616: KBA-16-2, KBA-16-1, KBA-5-3, BS13ER, KBA-5-4,
21599: BS12ER, KBA-16-3, KBA-16-4,
21628: KBA-5-1, KBA-5-2, BS14ER, KBA-5-5, KBA-5-5D, KBA-5-7, KBA-5-6

COMPOUND	ADVISORY LIMITS			RPD	
	WATER	SOIL		WATER	SOIL
1,4-DICHLOROBENZENE	36%-97%	28%-104%		28	27
N-NITROSO-DI-N-PROPYL	41%-116%	41%-116%		38	38
1,2,4,-TRICHLOROBENZE	39%-98%	38%-107%		28	23
ACENAPHTHENE	46%-118%	31%-137%		31	19
2,4-DINITROTOLUENE	24%-96%	28%-89%		38	47
PYRENE	26%-127%	35%-142%		31	36
PHENOL	12%-89%	26%-90%		42	35
2-CHLOROPHENOL	27%-123%	25%-102%		40	50
4-CHLORO-3-METHYLPHE	23%-97%	26%-103%		42	33
4-NITROPHENOL	10%-80%	11%-114%		50	50
PENTACHLOROPHENOL	9%-103%	17%-109%		50	47

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MATRIX SPIKE/MATRIX SPIKE DUPLICATE - TABLE 1.2.1

SEMI-VOLATILE OUTLIER SUMMARY TABLE - PAGE - 5

MS = MATRIX SPIKE SAMPLE KBA-16-2D		SDG 22205		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
SVOA COMPOUNDS	UNITS			
1,4-DICHLOROBENZENE	ug/L	*33		
N-NITROSO-DI-N-PROPYLAMINE	ug/L			
1,2,4,-TRICHLOROBENZENE	ug/L	*35	*37	
ACENAPHTHENE	ug/L			
2,4-DINITROTOLUENE	ug/L			
PYRENE	ug/L			
PHENOL	ug/L			
2-CHLOROPHENOL	ug/L			
4-CHLORO-3-METHYLPHENOL	ug/L			
4-NITROPHENOL	ug/L			
PENTACHLOROPHENOL	ug/L			

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

22205: BS-19-ER, KBA-16-4, KBA-16-3, KBA-16-2, KBA-16-1, KBA-16-2D

COMPOUND	ADVISORY LIMITS			RPD	
	WATER	SOIL		WATER	SOIL
1,4-DICHLOROBENZENE	36%-97%	28%-104%		28	27
N-NITROSO-DI-N-PROPYL	41%-116%	41%-116%		38	38
1,2,4,-TRICHLOROBENZE	39%-98%	38%-107%		28	23
ACENAPHTHENE	46%-118%	31%-137%		31	19
2,4-DINITROTOLUENE	24%-96%	28%-89%		38	47
PYRENE	26%-127%	35%-142%		31	36
PHENOL	12%-89%	26%-90%		42	35
2-CHLOROPHENOL	27%-123%	25%-102%		40	50
4-CHLORO-3-METHYLPHE	23%-97%	26%-103%		42	33
4-NITROPHENOL	10%-80%	11%-114%		50	50
PENTACHLOROPHENOL	9%-103%	17%-109%		50	47

000023

MATRIX SPIKE/MATRIX SPIKE DUPLICATE - TABLE 1.2.1

SEMI-VOLATILE OUTLIER SUMMARY TABLE - PAGE - 6

MS = MATRIX SPIKE SAMPLE KBA-16-2 MSD = MATRIX SPIKE DUPLICATE RPD = RELATIVE PERCENT DIFFERENCE		SDG 22723		
		MS	MSD	
		%R	%R	%RPD
SVOA COMPOUNDS	UNITS			
1,4-DICHLOROBENZENE	ug/L			
N-NITROSO-DI-N-PROPYLAMINE	ug/L	*131	*126	
1,2,4,-TRICHLOROBENZENE	ug/L			
ACENAPHTHENE	ug/L			
2,4-DINITROTOLUENE	ug/L	*132	*130	
PYRENE	ug/L			
PHENOL	ug/L			
2-CHLOROPHENOL	ug/L			
4-CHLORO-3-METHYLPHENOL	ug/L			
4-NITROPHENOL	ug/L			
PENTACHLOROPHENOL	ug/L			

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

22723: KBA-16-1, KBA-16-2, KBA-16-3, KBA-16-4, BS-24-ER, KBA-16-2D

COMPOUND	ADVISORY LIMITS			RPD	
	WATER	SOIL		WATER	SOIL
1,4-DICHLOROBENZENE	36%-97%	28%-104%		28	27
N-NITROSO-DI-N-PROPYL	41%-116%	41%-116%		38	38
1,2,4,-TRICHLOROBENZE	39%-98%	38%-107%		28	23
ACENAPHTHENE	46%-118%	31%-137%		31	19
2,4-DINITROTOLUENE	24%-96%	28%-89%		38	47
PYRENE	26%-127%	35%-142%		31	36
PHENOL	12%-89%	26%-90%		42	35
2-CHLOROPHENOL	27%-123%	25%-102%		40	50
4-CHLORO-3-METHYLPHE	23%-97%	26%-103%		42	33
4-NITROPHENOL	10%-80%	11%-114%		50	50
PENTACHLOROPHENOL	9%-103%	17%-109%		50	47

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MATRIX SPIKE/MATRIX SPIKE DUPLICATE - TABLE 1.2.1

SEMI-VOLATILE OUTLIER SUMMARY TABLE - PAGE - 7

MS = MATRIX SPIKE SAMPLE KBA-16-2		SDG 23751		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
SVOA COMPOUNDS	UNITS			
1,4-DICHLOROBENZENE	ug/L			
N-NITROSO-DI-N-PROPYLAMINE	ug/L	*39	*37	
1,2,4,-TRICHLOROBENZENE	ug/L	*37		
ACENAPHTHENE	ug/L			
2,4-DINITROTOLUENE	ug/L			
PYRENE	ug/L			
PHENOL	ug/L			
2-CHLOROPHENOL	ug/L			
4-CHLORO-3-METHYLPHENOL	ug/L			
4-NITROPHENOL	ug/L			
PENTACHLOROPHENOL	ug/L			

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

23751: BS-36-ER, KBA-16-1, KBA-16-2, KBA-16-2D, KBA-16-3, KBA-16-4
23739: BS-21-FB, BS-19-FB

COMPOUND	ADVISORY LIMITS			RPD	
	WATER	SOIL		WATER	SOIL
1,4-DICHLOROBENZENE	36%-97%	28%-104%		28	27
N-NITROSO-DI-N-PROPYL	41%-116%	41%-116%		38	38
1,2,4,-TRICHLOROBENZE	39%-98%	38%-107%		28	23
ACENAPHTHENE	46%-118%	31%-137%		31	19
2,4-DINITROTOLUENE	24%-96%	28%-89%		38	47
PYRENE	26%-127%	35%-142%		31	36
PHENOL	12%-89%	26%-90%		42	35
2-CHLOROPHENOL	27%-123%	25%-102%		40	50
4-CHLORO-3-METHYLPHE	23%-97%	26%-103%		42	33
4-NITROPHENOL	10%-80%	11%-114%		50	50
PENTACHLOROPHENOL	9%-103%	17%-109%		50	47

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MATRIX SPIKE/MATRIX SPIKE DUPLICATE - TABLE 1.2.2
PESTICIDES OUTLIER SUMMARY TABLE

MS = MATRIX SPIKE *SAMPLE KBA-5-3B*		SDG 22201, 22203		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
PEST COMPOUNDS	UNITS			
LINDANE	ug/L			
HEPTACHLOR	ug/L			
ALDRIN	ug/L			
DIELDRIN	ug/L			
ENDRIN	ug/L			
4,4'-DDT	ug/L			
AR1260	ug/L			

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

22201: KBA-5-1, KBA-5-2, KBA-5-3D1, KBA-5-3B, BS-18-ER2
22203: BS-20-ER, KBA-5-7, KBA-5-6, KBA-5-5, KBA-5-4

COMPOUND	ADVISORY LIMITS			RPD	
	WATER	SOIL		WATER	SOIL
LINDANE	56%-123%	46%-127%		15	50
HEPTACHLOR	40%-131%	35%-130%		20	31
ALDRIN	40%-120%	34%-132%		22	43
DIELDRIN	52%-126%	31%-134%		18	38
ENDRIN	56%-121%	42%-139%		21	45
4,4'-DDT	38%-127%	23%-134%		27	50
AR1260					

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MATRIX SPIKE/MATRIX SPIKE DUPLICATE - TABLE 1.2.2
PESTICIDES OUTLIER SUMMARY TABLE - PAGE - 2

MS = MATRIX SPIKE *SAMPLE 05-SS-08*		SDG 22208		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
PEST COMPOUNDS	UNITS			
LINDANE	ug/L			
HEPTACHLOR	ug/L			
ALDRIN	ug/L			
DIELDRIN	ug/L			
ENDRIN	ug/L			
4,4'-DDT	ug/L			
AR1260	ug/L			

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

22208: BS-08-FB, BS-06-FB, BS-21-ER, 05-SS-08, 05-SS-08D, 05-SS-09, 05-SS-10
05-SS-11, 05-SS-12, 05-SS-13, 05-SS-14

COMPOUND	ADVISORY LIMITS			RPD	
	WATER	SOIL		WATER	SOIL
LINDANE	56%-123%	46%-127%		15	50
HEPTACHLOR	40%-131%	35%-130%		20	31
ALDRIN	40%-120%	34%-132%		22	43
DIELDRIN	52%-126%	31%-134%		18	38
ENDRIN	56%-121%	42%-139%		21	45
4,4'-DDT	38%-127%	23%-134%		27	50
AR1260					

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MATRIX SPIKE/MATRIX SPIKE DUPLICATE - TABLE 1.2.2
PESTICIDES OUTLIER SUMMARY TABLE - PAGE - 3

MS = MATRIX SPIKE *SAMPLE KBA-5-3*		SDG 22727		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
PEST COMPOUNDS	UNITS			
LINDANE	ug/L			
HEPTACHLOR	ug/L			
ALDRIN	ug/L			
DIELDRIN	ug/L			
ENDRIN	ug/L			
4,4'-DDT	ug/L			
AR1260	ug/L			

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

22727: KBA-5-4, KBA-5-1, BA-25-ER, KBA-5-2, KBA-5-3, KBA-5-3D
23739: BS-21-FB, BS-19-FB, BS-35-ER, KBA-5-3D, KBA-5-5

COMPOUND	ADVISORY LIMITS			RPD	
	WATER	SOIL		WATER	SOIL
LINDANE	56%-123%	46%-127%		15	50
HEPTACHLOR	40%-131%	35%-130%		20	31
ALDRIN	40%-120%	34%-132%		22	43
DIELDRIN	52%-126%	31%-134%		18	38
ENDRIN	56%-121%	42%-139%		21	45
4,4'-DDT	38%-127%	23%-134%		27	50
AR1260					

MATRIX SPIKE/MATRIX SPIKE DUPLICATE - TABLE 1.2.2
PESTICIDES OUTLIER SUMMARY TABLE - PAGE - 4

MS = MATRIX SPIKE *SAMPLE KB05SB010301*		SDGs 20867, 20917		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
PEST COMPOUNDS	UNITS			
LINDANE	ug/L			
HEPTACHLOR	ug/L			
ALDRIN	ug/L			
DIELDRIN	ug/L			
ENDRIN	ug/L			
4,4'-DDT	ug/L			
AR1260	ug/L			

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

20867: KB05AV030301, KB05AV040301, KB05AV010301, KB05SB020301, KBBS00201ER, KB11SB010301, KB11SB060201, KB11SB080301, KBBS00301ER, KB05SB020301D

20917: 16SB0206, BS06ER

COMPOUND	ADVISORY LIMITS			RPD	
	WATER	SOIL		WATER	SOIL
LINDANE	56%-123%	46%-127%		15	50
HEPTACHLOR	40%-131%	35%-130%		20	31
ALDRIN	40%-120%	34%-132%		22	43
DIELDRIN	52%-126%	31%-134%		18	38
ENDRIN	56%-121%	42%-139%		21	45
4,4'-DDT	38%-127%	23%-134%		27	50
AR1260					

MATRIX SPIKE/MATRIX SPIKE DUPLICATE - TABLE 1.2.2
PESTICIDES OUTLIER SUMMARY TABLE - PAGE - 5

MS = MATRIX SPIKE *SAMPLE 05SS04*		SDG 20940		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
PEST COMPOUNDS	UNITS			
LINDANE	ug/L			
HEPTACHLOR	ug/L			
ALDRIN	ug/L			
DIELDRIN	ug/L			
ENDRIN	ug/L			
4,4'-DDT	ug/L			
AR1260	ug/L			

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

20940: 05SS01, 05SS02, 05SS03, 05SS03D, 05SS05, 05SS06, 05SS06, 05SS07, BS07ER
KB11SB010301, KB11SB060201, KB11SB080301, KBBS00301ER, KB05SB020301D

COMPOUND	ADVISORY LIMITS			RPD	
	WATER	SOIL		WATER	SOIL
LINDANE	56%-123%	46%-127%		15	50
HEPTACHLOR	40%-131%	35%-130%		20	31
ALDRIN	40%-120%	34%-132%		22	43
DIELDRIN	52%-126%	31%-134%		18	38
ENDRIN	56%-121%	42%-139%		21	45
4,4'-DDT	38%-127%	23%-134%		27	50
AR1260					

000030

MATRIX SPIKE/MATRIX SPIKE DUPLICATE - TABLE 1.2.2
PESTICIDES OUTLIER SUMMARY TABLE - PAGE - 6

MS = MATRIX SPIKE *SAMPLE KBA-11-9*		SDG 20997		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
PEST COMPOUNDS	UNITS			
LINDANE	ug/L			
HEPTACHLOR	ug/L			
ALDRIN	ug/L			
DIELDRIN	ug/L			
ENDRIN	ug/L			
4,4'-DDT	ug/L			
AR1260	ug/L			

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

20997: KBA-11-1, KBA-11-7, KBA-11-9, KBA-11-8, BS09ER, KBA-11-4, KBA-11-5, BS02FB, BS03FB

COMPOUND	ADVISORY LIMITS			RPD	
	WATER	SOIL		WATER	SOIL
LINDANE	56%-123%	46%-127%		15	50
HEPTACHLOR	40%-131%	35%-130%		20	31
ALDRIN	40%-120%	34%-132%		22	43
DIELDRIN	52%-126%	31%-134%		18	38
ENDRIN	56%-121%	42%-139%		21	45
4,4'-DDT	38%-127%	23%-134%		27	50
AR1260					

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MATRIX SPIKE/MATRIX SPIKE DUPLICATE - TABLE 1.2.2
PESTICIDES OUTLIER SUMMARY TABLE - PAGE - 7

MS = MATRIX SPIKE *SAMPLE KBA-5-3*		SDG 21616		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
PEST COMPOUNDS	UNITS			
LINDANE	ug/L			
HEPTACHLOR	ug/L			
ALDRIN	ug/L			
DIELDRIN	ug/L			
ENDRIN	ug/L			
4,4'-DDT	ug/L			
AR1260	ug/L			

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

21616: KBA-16-2, KBA-16-1, KBA-5-3, BS13ER, KBA-5-4

COMPOUND	ADVISORY LIMITS			RPD	
	WATER	SOIL		WATER	SOIL
LINDANE	56%-123%	46%-127%		15	50
HEPTACHLOR	40%-131%	35%-130%		20	31
ALDRIN	40%-120%	34%-132%		22	43
DIELDRIN	52%-126%	31%-134%		18	38
ENDRIN	56%-121%	42%-139%		21	45
4,4'-DDT	38%-127%	23%-134%		27	50
AR1260					

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MATRIX SPIKE/MATRIX DUPLICATE - TABLE 1.2.3

METALS OUTLIER SUMMARY TABLE

MS = MATRIX SPIKE *SAMPLES KBBS00101,*		SDG 20865	
MD = MATRIX DUPLICATE *KB05SB070301*		MS	MD
RPD = RELATIVE PERCENT DIFFERENCE		%R	RPD
METALS COMPOUNDS	UNITS		
ALUMINUM	ug/L		
ANTIMONY	ug/L		
ARSENIC	ug/L		
BARIUM	ug/L		
BERYLLIUM	ug/L		
CADMIUM	ug/L		
CHROMIUM	ug/L		
COBALT	ug/L		
COPPER	ug/L		
IRON	ug/L		
LEAD	ug/L		
MANGANESE	ug/L		
MERCURY	ug/L		
NICKEL	ug/L		
SELENIUM	ug/L		
SILVER	ug/L		
THALLIUM	ug/L		
VANADIUM	ug/L		
ZINC	ug/L		
CYANIDE	ug/L		

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

20865: KBBS00101FB, KBBS00101, KBBS00101ER, KB05SB060301, KB05SB070301, KB05SB070301

COMPOUND	ADVISORY LIMITS			RPD
	WATER	SOIL		WATER/SOIL
ALL COMPOUNDS	75%-125%	75%-125%		+/- 20% OR +/-CRDL

MATRIX SPIKE/MATRIX DUPLICATE - TABLE 1.2.3

METALS OUTLIER SUMMARY TABLE - PAGE - 2

MS = MATRIX SPIKE *SAMPLE KB05SB010301*		SDGs 20867	
MD = MATRIX DUPLICATE		MS	MD
RPD = RELATIVE PERCENT DIFFERENCE		%R	RPD
METALS COMPOUNDS	UNITS		
ALUMINUM	ug/L		
ANTIMONY	ug/L		
ARSENIC	ug/L		
BARIUM	ug/L		
BERYLLIUM	ug/L		
CADMIUM	ug/L		
CHROMIUM	ug/L		
COBALT	ug/L		
COPPER	ug/L		
IRON	ug/L		
LEAD	ug/L		
MANGANESE	ug/L		
MERCURY	ug/L		
NICKEL	ug/L		
SELENIUM	ug/L		
SILVER	ug/L		
THALLIUM	ug/L		
VANADIUM	ug/L		
ZINC	ug/L		
CYANIDE	ug/L		

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

20867: KB05SB030301, KB05SB040301, KB05SB010301, KB05SB020301, KBBS00201ER, KB11SB060201, KB11SB010301, KB11SB080301, KBBS00301ER, KB05SB020301D

COMPOUND	ADVISORY LIMITS			RPD
	WATER	SOIL		WATER/SOIL
ALL COMPOUNDS	75%-125%	75%-125%		+/- 20% OR +/-CRDL

000039

MATRIX SPIKE/MATRIX DUPLICATE - TABLE 1.2.3

METALS OUTLIER SUMMARY TABLE - PAGE - 3

MS = MATRIX SPIKE *SAMPLE KB11SB020301*		SDGs 20873	
MD = MATRIX DUPLICATE		MS	MD
RPD = RELATIVE PERCENT DIFFERENCE		%R	RPD
METALS COMPOUNDS	UNITS		
ALUMINUM	ug/L		
ANTIMONY	ug/L		
ARSENIC	ug/L		
BARIUM	ug/L		
BERYLLIUM	ug/L		
CADMIUM	ug/L		
CHROMIUM	ug/L		
COBALT	ug/L		
COPPER	ug/L		
IRON	ug/L		
LEAD	ug/L		
MANGANESE	ug/L		
MERCURY	ug/L		
NICKEL	ug/L		
SELENIUM	ug/L		
SILVER	ug/L		
THALLIUM	ug/L		
VANADIUM	ug/L		
ZINC	ug/L		
CYANIDE	ug/L		

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

20873: KB11SB020301, KB11SB030301, KB11SB030301D, KB11SB040301, KB11SB050301, KB11SB060301, KBBS00401ER

COMPOUND	ADVISORY LIMITS			RPD
	WATER	SOIL		WATER/SOIL
ALL COMPOUNDS	75%-125%	75%-125%		+/- 20% OR +/-CRDL

MATRIX SPIKE/MATRIX DUPLICATE - TABLE 1.2.3

METALS OUTLIER SUMMARY TABLE - PAGE - 4

MS = MATRIX SPIKE *SAMPLES BS05ER, RB-6D,*		SDG 20900	
MD = MATRIX DUPLICATE *16SB0405, 16SB0105*		MS	MD
RPD = RELATIVE PERCENT DIFFERENCE		%R	RPD
METALS COMPOUNDS	UNITS		
ALUMINUM	ug/L		
ANTIMONY	ug/L		
ARSENIC	ug/L		
BARIUM	ug/L		
BERYLLIUM	ug/L		
CADMIUM	ug/L		
CHROMIUM	ug/L		
COBALT	ug/L		
COPPER	ug/L		
IRON	ug/L		
LEAD	ug/L		
MANGANESE	ug/L		
MERCURY	ug/L		
NICKEL	ug/L		
SELENIUM	ug/L		
SILVER	ug/L		
THALLIUM	ug/L		
VANADIUM	ug/L		
ZINC	ug/L		
CYANIDE	ug/L		

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

20900:BT05FB, BS05ER, RB-6, 16SB0105, 16SB0305, 16SB0405

COMPOUND	ADVISORY LIMITS			RPD
	WATER	SOIL		WATER/SOIL
ALL COMPOUNDS	75%-125%	75%-125%		+/- 20% OR +/-CRDL

000041

MATRIX SPIKE/MATRIX DUPLICATE - TABLE 1.2.3

METALS OUTLIER SUMMARY TABLE - PAGE - 5

MS = MATRIX SPIKE *SAMPLE BS06ER*		SDGs 20917	
MD = MATRIX DUPLICATE		MS	MD
RPD = RELATIVE PERCENT DIFFERENCE		%R	RPD
METALS COMPOUNDS	UNITS		
ALUMINUM	ug/L		
ANTIMONY	ug/L		
ARSENIC	ug/L		
BARIUM	ug/L		
BERYLLIUM	ug/L		
CADMIUM	ug/L		
CHROMIUM	ug/L		
COBALT	ug/L		
COPPER	ug/L		
IRON	ug/L		
LEAD	ug/L		
MANGANESE	ug/L		
MERCURY	ug/L		
NICKEL	ug/L		
SELENIUM	ug/L		
SILVER	ug/L		
THALLIUM	ug/L		
VANADIUM	ug/L		
ZINC	ug/L		
CYANIDE	ug/L		

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

20917: 16SB0206, BS06ER, BS06ERD

COMPOUND	ADVISORY LIMITS			RPD
	WATER	SOIL		WATER/SOIL
ALL COMPOUNDS	75%-125%	75%-125%		+/- 20% OR +/-CRDL

MATRIX SPIKE/MATRIX DUPLICATE - TABLE 1.2.3

METALS OUTLIER SUMMARY TABLE - PAGE - 6

MS = MATRIX SPIKE *SAMPLES 05SS01,* MD = MATRIX DUPLICATE *05SS04* RPD = RELATIVE PERCENT DIFFERENCE		SDG 20940	
		MS	MD
		%R	RPD
METALS COMPOUNDS	UNITS		
ALUMINUM	ug/L		
ANTIMONY	ug/L		
ARSENIC	ug/L		
BARIUM	ug/L		
BERYLLIUM	ug/L		
CADMIUM	ug/L		
CHROMIUM	ug/L		
COBALT	ug/L		
COPPER	ug/L		
IRON	ug/L		
LEAD	ug/L		
MANGANESE	ug/L		
MERCURY	ug/L		
NICKEL	ug/L		
SELENIUM	ug/L		
SILVER	ug/L		
THALLIUM	ug/L		
VANADIUM	ug/L		
ZINC	ug/L		
CYANIDE	ug/L		

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

20940: 05SS01, 05SS02, 05SS03, 05SS04, 05SS05, 05SS06, 05SS07, BS07ER

COMPOUND	ADVISORY LIMITS			RPD
	WATER	SOIL		WATER/SOIL
ALL COMPOUNDS	75%-125%	75%-125%		+/- 20% OR +/-CRDL

000043

MATRIX SPIKE/MATRIX DUPLICATE - TABLE 1.2.3

METALS OUTLIER SUMMARY TABLE - PAGE - 7

MS = MATRIX SPIKE *SAMPLE KBA-16-3*		SDGs 21002	
MD = MATRIX DUPLICATE		MS	MD
RPD = RELATIVE PERCENT DIFFERENCE		%R	RPD
METALS COMPOUNDS	UNITS		
ALUMINUM	ug/L		
ANTIMONY	ug/L	*36	
ARSENIC	ug/L		
BARIUM	ug/L		
BERYLLIUM	ug/L		
CADMIUM	ug/L		
CHROMIUM	ug/L		
COBALT	ug/L		
COPPER	ug/L		
IRON	ug/L		
LEAD	ug/L	*29	
MANGANESE	ug/L		
MERCURY	ug/L		
NICKEL	ug/L		
SELENIUM	ug/L		
SILVER	ug/L		
THALLIUM	ug/L	*48	
VANADIUM	ug/L		
ZINC	ug/L		
CYANIDE	ug/L		

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

21002: KBA-11-2, KBA-11-3, KBA-11-3D, KBA-16-2, BS10ER, KBA-16-3, KBA-16-1

COMPOUND	ADVISORY LIMITS			RPD
	WATER	SOIL		WATER/SOIL
ALL COMPOUNDS	75%-125%	75%-125%		+/- 20% OR +/-CRDL

000041

MATRIX SPIKE/MATRIX DUPLICATE - TABLE 1.2.3

METALS OUTLIER SUMMARY TABLE - PAGE - 8

MS = MATRIX SPIKE *SAMPLE BS11ER* MD = MATRIX DUPLICATE RPD = RELATIVE PERCENT DIFFERENCE		SDGs 21012	
		MS	MD
		%R	RPD
METALS COMPOUNDS	UNITS		
ALUMINUM	ug/L		
ANTIMONY	ug/L		
ARSENIC	ug/L		*
BARIUM	ug/L		
BERYLLIUM	ug/L		
CADMIUM	ug/L		
CHROMIUM	ug/L		
COBALT	ug/L		
COPPER	ug/L		
IRON	ug/L		
LEAD	ug/L		*
MANGANESE	ug/L		
MERCURY	ug/L		
NICKEL	ug/L		
SELENIUM	ug/L		
SILVER	ug/L		
THALLIUM	ug/L		
VANADIUM	ug/L		
ZINC	ug/L		
CYANIDE	ug/L		

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

21012: KBA-16-4, BS11ER.

COMPOUND	ADVISORY LIMITS			RPD
	WATER	SOIL		WATER/SOIL
ALL COMPOUNDS	75%-125%	75%-125%		+/- 20% OR +/-CRDL

000045

MATRIX SPIKE/MATRIX DUPLICATE - TABLE 1.2.3

METALS OUTLIER SUMMARY TABLE - PAGE - 9

MS = MATRIX SPIKE *SAMPLES KBA-5-1,*		SDG 20985	
MD = MATRIX DUPLICATE *BS08ER*		MS	MD
RPD = RELATIVE PERCENT DIFFERENCE		%R	RPD
METALS COMPOUNDS	UNITS		
ALUMINUM	ug/L		
ANTIMONY	ug/L		
ARSENIC	ug/L		
BARIUM	ug/L		
BERYLLIUM	ug/L		
CADMIUM	ug/L		
CHROMIUM	ug/L		
COBALT	ug/L		
COPPER	ug/L		
IRON	ug/L		
LEAD	ug/L		
MANGANESE	ug/L		
MERCURY	ug/L		
NICKEL	ug/L		
SELENIUM	ug/L		
SILVER	ug/L		
THALLIUM	ug/L		
VANADIUM	ug/L		
ZINC	ug/L		*140.4
CYANIDE	ug/L		

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

20985: KBA-5-1, KBA-5-2, KBA-5-3, KBA-5-4, KBA-5-5, KBA-5-6, KBA-5-7, BS08ER

COMPOUND	ADVISORY LIMITS			RPD
	WATER	SOIL		WATER/SOIL
ALL COMPOUNDS	75%-125%	75%-125%		+/- 20% OR +/-CRDL

MATRIX SPIKE/MATRIX DUPLICATE - TABLE 1.2.3

METALS OUTLIER SUMMARY TABLE - PAGE 10

MS = MATRIX SPIKE *SAMPLE KBA-11-9*		SDG 20997	
MD = MATRIX DUPLICATE		MS	MD
RPD = RELATIVE PERCENT DIFFERENCE		%R	RPD
METALS COMPOUNDS	UNITS		
ALUMINUM	ug/L		
ANTIMONY	ug/L		
ARSENIC	ug/L		
BARIUM	ug/L		
BERYLLIUM	ug/L		
CADMIUM	ug/L		
CHROMIUM	ug/L		*64.4
COBALT	ug/L		
COPPER	ug/L		
IRON	ug/L		
LEAD	ug/L	*45.0	*45.7
MANGANESE	ug/L		
MERCURY	ug/L		
NICKEL	ug/L		
SELENIUM	ug/L		
SILVER	ug/L		
THALLIUM	ug/L		
VANADIUM	ug/L		
ZINC	ug/L		
TIN	ug/L	*0	
CYANIDE	ug/L		

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

20997: KBA-11-1 KBA-11-7, KBA-11-9, KBA-11-8, BS09ER, KBA-11-4, KBA-11-5, BS02FB, BS03FB

COMPOUND	ADVISORY LIMITS			RPD
	WATER	SOIL		WATER/SOIL
ALL COMPOUNDS	75%-125%	75%-125%		+/- 20% OR +/-CRDL

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MATRIX SPIKE/MATRIX DUPLICATE - TABLE 1.2.3

METALS OUTLIER SUMMARY TABLE - PAGE 11

MS = MATRIX SPIKE *SAMPLE KBA-5-3*		SDGs 21616	
MD = MATRIX DUPLICATE		MS	MD
RPD = RELATIVE PERCENT DIFFERENCE		%R	RPD
METALS COMPOUNDS	UNITS		
ALUMINUM	ug/L		
ANTIMONY	ug/L		
ARSENIC	ug/L		
BARIUM	ug/L		
BERYLLIUM	ug/L		
CADMIUM	ug/L		
CHROMIUM	ug/L		
COBALT	ug/L		
COPPER	ug/L		
IRON	ug/L		
LEAD	ug/L		
MANGANESE	ug/L		
MERCURY	ug/L	*129	
NICKEL	ug/L		
SELENIUM	ug/L		
SILVER	ug/L		
THALLIUM	ug/L		
VANADIUM	ug/L		
ZINC	ug/L		
CYANIDE	ug/L		

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

21616: KBA-16-2, KBA-16-1, KBA-5-3, KBA-5-4, BS13ER

COMPOUND	ADVISORY LIMITS			RPD
	WATER	SOIL		WATER/SOIL
ALL COMPOUNDS	75%-125%	75%-125%		+/- 20% OR +/-CRDL

MATRIX SPIKE/MATRIX DUPLICATE - TABLE 1.2.3

METALS OUTLIER SUMMARY TABLE - PAGE -12

MS = MATRIX SPIKE *SAMPLE KBA-11-1* MD = MATRIX DUPLICATE RPD = RELATIVE PERCENT DIFFERENCE		SDG 21599	
		MS	MD
		%R	RPD
METALS COMPOUNDS	UNITS		
ALUMINUM	ug/L		
ANTIMONY	ug/L		
ARSENIC	ug/L	*66	
BARIUM	ug/L		
BERYLLIUM	ug/L		
CADMIUM	ug/L		
CHROMIUM	ug/L		
COBALT	ug/L		
COPPER	ug/L		
IRON	ug/L		
LEAD	ug/L		
MANGANESE	ug/L		
MERCURY	ug/L		
NICKEL	ug/L		
SELENIUM	ug/L		
SILVER	ug/L		
THALLIUM	ug/L		
VANADIUM	ug/L		
ZINC	ug/L		
CYANIDE	ug/L		

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

21599: BS12ER, KBA-16-3, KBA-16-4

21628: KBA-5-1, KBA-5-2, BS14ER, KBA-5-5, KBA-5-5D, KBA-5-7, KBA-5-6

COMPOUND	ADVISORY LIMITS			RPD
	WATER	SOIL		WATER/SOIL
ALL COMPOUNDS	75%-125%	75%-125%		+/- 20% OR +/-CRDL

MATRIX SPIKE/MATRIX DUPLICATE - TABLE 1.2.3

METALS OUTLIER SUMMARY TABLE - PAGE -13

MS = MATRIX SPIKE SAMPLE KBA-11-7 MD = MATRIX DUPLICATE RPD = RELATIVE PERCENT DIFFERENCE		SDG 21644	
		MS	MD
		%R	RPD
METALS COMPOUNDS	UNITS		
ALUMINUM	ug/L		
ANTIMONY	ug/L		
ARSENIC	ug/L	*66	
BARIUM	ug/L		
BERYLLIUM	ug/L		
CADMIUM	ug/L		
CHROMIUM	ug/L		
COBALT	ug/L		
COPPER	ug/L		
IRON	ug/L		
LEAD	ug/L		
MANGANESE	ug/L		
MERCURY	ug/L		
NICKEL	ug/L		
SELENIUM	ug/L		
SILVER	ug/L		
THALLIUM	ug/L		
VANADIUM	ug/L		
ZINC	ug/L		
CYANIDE	ug/L		

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

21644: KBA-11-1, KBA-11-9, BS15ER, KBA-11-8, KBA-11-7, KBA-11-2, KBA-11-2D

COMPOUND	ADVISORY LIMITS			RPD
	WATER	SOIL		WATER/SOIL
ALL COMPOUNDS	75%-125%	75%-125%		+/- 20% OR +/-CRDL

MATRIX SPIKE/MATRIX DUPLICATE - TABLE 1.2.3

METALS OUTLIER SUMMARY TABLE - PAGE -14

MS = MATRIX SPIKE SAMPLE KBA-5-3 MD = MATRIX DUPLICATE RPD = RELATIVE PERCENT DIFFERENCE		SDGs 21652	
		MS	MD
		%R	RPD
METALS COMPOUNDS	UNITS		
ALUMINUM	ug/L		
ANTIMONY	ug/L		
ARSENIC	ug/L		
BARIUM	ug/L		
BERYLLIUM	ug/L		
CADMIUM	ug/L		
CHROMIUM	ug/L		
COBALT	ug/L		
COPPER	ug/L		
IRON	ug/L		
LEAD	ug/L		
MANGANESE	ug/L		
MERCURY	ug/L	*129	
NICKEL	ug/L		
SELENIUM	ug/L		
SILVER	ug/L		
THALLIUM	ug/L		
VANADIUM	ug/L		
ZINC	ug/L		
CYANIDE	ug/L	*70	

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

21652: BS05FB, BS04FB, BS16ER, KBA-11-3, KBA-11-4, KBA-11-5, KBA-11-6

COMPOUND	ADVISORY LIMITS			RPD
	WATER	SOIL		WATER/SOIL
ALL COMPOUNDS	75%-125%	75%-125%		+/- 20% OR +/-CRDL

MATRIX SPIKE/MATRIX DUPLICATE - TABLE 1.2.3

METALS OUTLIER SUMMARY TABLE - PAGE -15

MS = MATRIX SPIKE SAMPLE KBA-5-3A MD = MATRIX DUPLICATE RPD = RELATIVE PERCENT DIFFERENCE		SDGs 22201	
		MS	MD
		%R	RPD
METALS COMPOUNDS	UNITS		
ALUMINUM	ug/L		
ANTIMONY	ug/L		
ARSENIC	ug/L		
BARIUM	ug/L		
BERYLLIUM	ug/L		
CADMIUM	ug/L		
CHROMIUM	ug/L		
COBALT	ug/L		
COPPER	ug/L	*636	*187.1
IRON	ug/L		
LEAD	ug/L	*126	
MANGANESE	ug/L		
MERCURY	ug/L		
NICKEL	ug/L		
SELENIUM	ug/L		
SILVER	ug/L		
THALLIUM	ug/L		
VANADIUM	ug/L		
ZINC	ug/L	*152	*76.2
CYANIDE	ug/L		

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

22201: KBA-11-1, KBA-11-1F, KBA-11-3, BS-18-ER1, KBA-11-4, KBA-11-5, KBA-11-6, KBA-5-1, KBA-5-2, KBA-5-3A, KBA-5-3D1

COMPOUND	ADVISORY LIMITS			RPD
	WATER	SOIL		WATER/SOIL
ALL COMPOUNDS	75%-125%	75%-125%		+/- 20% OR +/-CRDL

MATRIX SPIKE/MATRIX DUPLICATE - TABLE 1.2.3

METALS OUTLIER SUMMARY TABLE - PAGE -16

MS = MATRIX SPIKE SAMPLE KBA-11-2 MD = MATRIX DUPLICATE RPD = RELATIVE PERCENT DIFFERENCE		SDGs 22191	
		MS	MD
		%R	RPD
METALS COMPOUNDS	UNITS		
ALUMINUM	ug/L		
ANTIMONY	ug/L		
ARSENIC	ug/L	*72	
BARIUM	ug/L		
BERYLLIUM	ug/L		
CADMIUM	ug/L		
CHROMIUM	ug/L		
COBALT	ug/L		
COPPER	ug/L		
IRON	ug/L		
LEAD	ug/L	*62	
MANGANESE	ug/L		
MERCURY	ug/L		
NICKEL	ug/L		
SELENIUM	ug/L		
SILVER	ug/L		
THALLIUM	ug/L	*75	
VANADIUM	ug/L		
ZINC	ug/L		
CYANIDE	ug/L		

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

22191: KBA-11-2, KBA-11-2D, KBA-11-2F, KBA-11-7, KBA-11-7F, KBA-11-8, KBA-11-8F, KBA-11-9, KBA-11-9F

COMPOUND	ADVISORY LIMITS			RPD
	WATER	SOIL		WATER/SOIL
ALL COMPOUNDS	75%-125%	75%-125%		+/- 20% OR +/-CRDL

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MATRIX SPIKE/MATRIX DUPLICATE - TABLE 1.2.3

METALS OUTLIER SUMMARY TABLE - PAGE -17

MS = MATRIX SPIKE SAMPLE KBA-16-4 MD = MATRIX DUPLICATE RPD = RELATIVE PERCENT DIFFERENCE		SDGs 22205	
		MS	MD
		%R	RPD
METALS COMPOUNDS	UNITS		
ALUMINUM	ug/L		
ANTIMONY	ug/L		
ARSENIC	ug/L	*72	
BARIUM	ug/L		
BERYLLIUM	ug/L		
CADMIUM	ug/L		
CHROMIUM	ug/L		
COBALT	ug/L		
COPPER	ug/L		
IRON	ug/L		
LEAD	ug/L	*62	
MANGANESE	ug/L		
MERCURY	ug/L		
NICKEL	ug/L		
SELENIUM	ug/L		
SILVER	ug/L		
THALLIUM	ug/L	*75	
VANADIUM	ug/L		
ZINC	ug/L		
CYANIDE	ug/L		

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

22191: KBA-11-2, KBA-11-2D, KBA-11-2F, KBA-11-7, KBA-11-7F, KBA-11-8, KBA-11-8F, KBA-11-9, KBA-11-9F

COMPOUND	ADVISORY LIMITS			RPD
	WATER	SOIL		WATER/SOIL
ALL COMPOUNDS	75%-125%	75%-125%		+/- 20% OR +/-CRDL

MATRIX SPIKE/MATRIX DUPLICATE - TABLE 1.2.3

METALS OUTLIER SUMMARY TABLE - PAGE -18

MS = MATRIX SPIKE SAMPLE BS-20-ER		SDGs 22203	
MD = MATRIX DUPLICATE		MS	MD
RPD = RELATIVE PERCENT DIFFERENCE		%R	RPD
METALS COMPOUNDS	UNITS		
ALUMINUM	ug/L		
ANTIMONY	ug/L		
ARSENIC	ug/L		
BARIUM	ug/L		
BERYLLIUM	ug/L		
CADMIUM	ug/L		
CHROMIUM	ug/L		
COBALT	ug/L		
COPPER	ug/L		
IRON	ug/L		
LEAD	ug/L		
MANGANESE	ug/L		
MERCURY	ug/L		
NICKEL	ug/L		
SELENIUM	ug/L		
SILVER	ug/L		
THALLIUM	ug/L		
VANADIUM	ug/L		
ZINC	ug/L		
CYANIDE	ug/L		

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

22203: BS-20-ER, KBA-5-7, KBA-5-6, KBA-5-5, KBA-5-4, KBA-5-5D, KBA-5-7F, KBA-5-6F, KBA-5-5F, KBA-5-4F

COMPOUND	ADVISORY LIMITS			RPD
	WATER	SOIL		WATER/SOIL
ALL COMPOUNDS	75%-125%	75%-125%		+/- 20% OR +/-CRDL

MATRIX SPIKE/MATRIX DUPLICATE - TABLE 1.2.3

METALS OUTLIER SUMMARY TABLE - PAGE -19

MS = MATRIX SPIKE SAMPLE BS-07-FB		SDGs 22208	
MD = MATRIX DUPLICATE		MS	MD
RPD = RELATIVE PERCENT DIFFERENCE		%R	RPD
METALS COMPOUNDS	UNITS		
ALUMINUM	ug/L		
ANTIMONY	ug/L		
ARSENIC	ug/L		
BARIUM	ug/L		
BERYLLIUM	ug/L		
CADMIUM	ug/L		
CHROMIUM	ug/L		
COBALT	ug/L		
COPPER	ug/L		
IRON	ug/L		
LEAD	ug/L		
MANGANESE	ug/L		
MERCURY	ug/L		
NICKEL	ug/L		
SELENIUM	ug/L		
SILVER	ug/L		
THALLIUM	ug/L		
VANADIUM	ug/L		
ZINC	ug/L		
CYANIDE	ug/L		

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

22208: BS-07-FB, BS-08-FB, BS-06-FB

COMPOUND	ADVISORY LIMITS			RPD
	WATER	SOIL		WATER/SOIL
ALL COMPOUNDS	75%-125%	75%-125%		+/- 20% OR +/-CRDL

MATRIX SPIKE/MATRIX DUPLICATE - TABLE 1.2.3

METALS OUTLIER SUMMARY TABLE - PAGE -20

MS = MATRIX SPIKE SAMPLES KBA-11-8F, MD = MATRIX DUPLICATE RPD = RELATIVE PERCENT DIFFERENCE		SDGs 22710	
		MS	MD
		%R	RPD
METALS COMPOUNDS	UNITS		
ALUMINUM	ug/L		
ANTIMONY	ug/L		
ARSENIC	ug/L		
BARIUM	ug/L		
BERYLLIUM	ug/L		
CADMIUM	ug/L		
CHROMIUM	ug/L		
COBALT	ug/L		
COPPER	ug/L		
IRON	ug/L		
LEAD	ug/L		
MANGANESE	ug/L		
MERCURY	ug/L		
NICKEL	ug/L		
SELENIUM	ug/L		
SILVER	ug/L		
THALLIUM	ug/L		
VANADIUM	ug/L		
ZINC	ug/L		*136.8
CYANIDE	ug/L		

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

22710: KBA-11-8F, KBA-11-1F, KBA-11-4F, KBA-11-5F, KBA-11-3F, KBA-11-2F
KBA-11-6F, KBA-11-7F, KBA-11-9F

COMPOUND	ADVISORY LIMITS			RPD
	WATER	SOIL		WATER/SOIL
ALL COMPOUNDS	75%-125%	75%-125%		+/- 20% OR +/-CRDL

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MATRIX SPIKE/MATRIX DUPLICATE - TABLE 1.2.3

METALS OUTLIER SUMMARY TABLE - PAGE -21

MS = MATRIX SPIKE SAMPLE KBA-11-2 MD = MATRIX DUPLICATE RPD = RELATIVE PERCENT DIFFERENCE		SDGs 22711	
		MS	MD
		%R	RPD
METALS COMPOUNDS	UNITS		
ALUMINUM	ug/L		
ANTIMONY	ug/L		
ARSENIC	ug/L		
BARIUM	ug/L		
BERYLLIUM	ug/L		
CADMIUM	ug/L		
CHROMIUM	ug/L		
COBALT	ug/L		
COPPER	ug/L		
IRON	ug/L		
LEAD	ug/L	*59	
MANGANESE	ug/L		
MERCURY	ug/L		
NICKEL	ug/L		
SELENIUM	ug/L	*36	
SILVER	ug/L	*73	
THALLIUM	ug/L	*67	
VANADIUM	ug/L		
ZINC	ug/L		*92.4
CYANIDE	ug/L		

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

22711: KBA-11-8, KBA-11-1, BS-22-ER, BS-23-ER, KBA-11-4, KBA-11-5, KBA-11-3, KBA-11-6, KBA-11-7, KBA-11-9, KBA-11-2, KBA-11-9D, KBA-11-2D

COMPOUND	ADVISORY LIMITS			RPD
	WATER	SOIL		WATER/SOIL
ALL COMPOUNDS	75%-125%	75%-125%		+/- 20% OR +/-CRDL

MATRIX SPIKE/MATRIX DUPLICATE - TABLE 1.2.3

METALS OUTLIER SUMMARY TABLE - PAGE -22

MS = MATRIX SPIKE SAMPLE KBA-5-3 MD = MATRIX DUPLICATE RPD = RELATIVE PERCENT DIFFERENCE		SDGs 22727	
		MS	MD
		%R	RPD
METALS COMPOUNDS	UNITS		
ALUMINUM	ug/L		
ANTIMONY	ug/L		
ARSENIC	ug/L		
BARIUM	ug/L		
BERYLLIUM	ug/L		
CADMIUM	ug/L		
CHROMIUM	ug/L		
COBALT	ug/L		
COPPER	ug/L		
IRON	ug/L		
LEAD	ug/L	*50	
MANGANESE	ug/L		
MERCURY	ug/L		
NICKEL	ug/L	*131	
SELENIUM	ug/L	*69	
SILVER	ug/L		
THALLIUM	ug/L	*35	
VANADIUM	ug/L		
ZINC	ug/L	*130	
CYANIDE	ug/L		

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

22727: KBA-5-4, KBA-5-4F, BS-25-ER, KBA-5-1, KBA-5-2, KBA-5-3, KBA-5-3D, KBA-5-3F, KBA-5-1F, KBA-5-2F

COMPOUND	ADVISORY LIMITS			RPD
	WATER	SOIL		WATER/SOIL
ALL COMPOUNDS	75%-125%	75%-125%		+/- 20% OR +/-CRDL

MATRIX SPIKE/MATRIX DUPLICATE - TABLE 1.2.3

METALS OUTLIER SUMMARY TABLE - PAGE -23

MS = MATRIX SPIKE SAMPLE KBA-16-2F MD = MATRIX DUPLICATE RPD = RELATIVE PERCENT DIFFERENCE		SDGs 22723	
		MS	MD
		%R	RPD
METALS COMPOUNDS	UNITS		
ALUMINUM	ug/L		
ANTIMONY	ug/L		
ARSENIC	ug/L		
BARIUM	ug/L		
BERYLLIUM	ug/L		
CADMIUM	ug/L		
CHROMIUM	ug/L		
COBALT	ug/L		
COPPER	ug/L		
IRON	ug/L		
LEAD	ug/L		
MANGANESE	ug/L		
MERCURY	ug/L		
NICKEL	ug/L		
SELENIUM	ug/L		
SILVER	ug/L		
THALLIUM	ug/L		
VANADIUM	ug/L		
ZINC	ug/L		
CYANIDE	ug/L		

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

22723: KBA-16-1, KBA-16-1F, KBA-16-2, KBA-16-3, KBA-16-4, BS-24-ER, KBA-16-2F
KBA-KBA-16-3F, KBA-16-4F

COMPOUND	ADVISORY LIMITS			RPD
	WATER	SOIL		WATER/SOIL
ALL COMPOUNDS	75%-125%	75%-125%		+/- 20% OR +/-CRDL

MATRIX SPIKE/MATRIX DUPLICATE - TABLE 1.2.3

METALS OUTLIER SUMMARY TABLE - PAGE -24

MS = MATRIX SPIKE SAMPLE KBA-11-2F		SDGs 34467	
MD = MATRIX DUPLICATE		MS	MD
RPD = RELATIVE PERCENT DIFFERENCE		%R	RPD
METALS COMPOUNDS	UNITS		
ALUMINUM	ug/L		
ANTIMONY	ug/L		
ARSENIC	ug/L		
BARIUM	ug/L		
BERYLLIUM	ug/L		
CADMIUM	ug/L		
CHROMIUM	ug/L		
COBALT	ug/L		
COPPER	ug/L		
IRON	ug/L		
LEAD	ug/L		
MANGANESE	ug/L		
MERCURY	ug/L		
NICKEL	ug/L		
SELENIUM	ug/L		
SILVER	ug/L		
THALLIUM	ug/L		
VANADIUM	ug/L		
ZINC	ug/L		*200
CYANIDE	ug/L		

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

34467: KBA-11-9, KBA-11-8, KBA-11-1, KBA-11-2, KBA-11-2D, BS-27-ER, KBA-11-9F
KBA-11-8F, KBA-11-1F, KBA-11-2F, KBA-11-2DF

COMPOUND	ADVISORY LIMITS			RPD
	WATER	SOIL		WATER/SOIL
ALL COMPOUNDS	75%-125%	75%-125%		+/- 20% OR +/-CRDL

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MATRIX SPIKE/MATRIX DUPLICATE - TABLE 1.2.3

METALS OUTLIER SUMMARY TABLE - PAGE -25

MS = MATRIX SPIKE SAMPLE KBA-11-2 MD = MATRIX DUPLICATE RPD = RELATIVE PERCENT DIFFERENCE		SDGs 23710	
		MS	MD
		%R	RPD
METALS COMPOUNDS	UNITS		
ALUMINUM	ug/L		
ANTIMONY	ug/L		
ARSENIC	ug/L		
BARIUM	ug/L		
BERYLLIUM	ug/L		
CADMIUM	ug/L		
CHROMIUM	ug/L		
COBALT	ug/L		
COPPER	ug/L		
IRON	ug/L		
LEAD	ug/L		
MANGANESE	ug/L		
MERCURY	ug/L		
NICKEL	ug/L		
SELENIUM	ug/L		
SILVER	ug/L		
THALLIUM	ug/L		
VANADIUM	ug/L		
ZINC	ug/L		
CYANIDE	ug/L		

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

23710: BS-18-FB, BS-16-FB, BS-17-FB, BS-33-ER, KBA-11-2, KBA-11-2F, KBA-11-2DF, KBA-11-1, KBA-11-1F, KBA-11-8F, KBA-11-8

COMPOUND	ADVISORY LIMITS			RPD
	WATER	SOIL		WATER/SOIL
ALL COMPOUNDS	75%-125%	75%-125%		+/- 20% OR +/-CRDL

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MATRIX SPIKE/MATRIX DUPLICATE - TABLE 1.2.3

METALS OUTLIER SUMMARY TABLE - PAGE -26

MS = MATRIX SPIKE SAMPLE KBA-11-9F MD = MATRIX DUPLICATE RPD = RELATIVE PERCENT DIFFERENCE		SDGs 23726	
		MS	MD
		%R	RPD
METALS COMPOUNDS	UNITS		
ALUMINUM	ug/L		
ANTIMONY	ug/L		
ARSENIC	ug/L		
BARIUM	ug/L		
BERYLLIUM	ug/L		
CADMIUM	ug/L		
CHROMIUM	ug/L		
COBALT	ug/L		
COPPER	ug/L		
IRON	ug/L		
LEAD	ug/L		
MANGANESE	ug/L		
MERCURY	ug/L		
NICKEL	ug/L		
SELENIUM	ug/L		
SILVER	ug/L		
THALLIUM	ug/L		
VANADIUM	ug/L		
ZINC	ug/L		
CYANIDE	ug/L		

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

23726: KBA-11-9, KBA-11-9F, KBA-11-7, KBA-11-7F, KBA-11-6, KBA-11-6F, KBA-11-5, KBA-11-5F, BS-34-ER, KBA-11-4, KBA-11-4F, KBA-11-3, KBA-11-3F

COMPOUND	ADVISORY LIMITS			RPD
	WATER	SOIL		WATER/SOIL
ALL COMPOUNDS	75%-125%	75%-125%		+/- 20% OR +/-CRDL

000003

MATRIX SPIKE/MATRIX DUPLICATE - TABLE 1.2.3

METALS OUTLIER SUMMARY TABLE - PAGE -27

MS = MATRIX SPIKE SAMPLE KBA-5-3 MD = MATRIX DUPLICATE RPD = RELATIVE PERCENT DIFFERENCE		SDGs 23739	
		MS	MD
		%R	RPD
METALS COMPOUNDS	UNITS		
ALUMINUM	ug/L		
ANTIMONY	ug/L		
ARSENIC	ug/L		
BARIUM	ug/L		
BERYLLIUM	ug/L		
CADMIUM	ug/L		
CHROMIUM	ug/L		
COBALT	ug/L		
COPPER	ug/L		
IRON	ug/L		
LEAD	ug/L	*63	
MANGANESE	ug/L		
MERCURY	ug/L		
NICKEL	ug/L		
SELENIUM	ug/L		
SILVER	ug/L		
THALLIUM	ug/L		
VANADIUM	ug/L		
ZINC	ug/L		
TIN	ug/L		*200
CYANIDE	ug/L		

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

23739: BS-21-FB, BS-19-FB, BS-20-FB, BS-35-ER KBA-5-3, KBA-5-3D, KBA-5-3F, KBA-5-3DF, KBA-5-5, KBA-5-5F

COMPOUND	ADVISORY LIMITS			RPD
	WATER	SOIL		WATER/SOIL
ALL COMPOUNDS	75%-125%	75%-125%		+/- 20% OR +/-CRDL

000CC4

MATRIX SPIKE/MATRIX DUPLICATE - TABLE 1.2.3

METALS OUTLIER SUMMARY TABLE - PAGE -28

MS = MATRIX SPIKE SAMPLE KBA-16-2 MD = MATRIX DUPLICATE RPD = RELATIVE PERCENT DIFFERENCE		SDGs 23751	
		MS	MD
		%R	RPD
METALS COMPOUNDS	UNITS		
ALUMINUM	ug/L		
ANTIMONY	ug/L		
ARSENIC	ug/L		
BARIUM	ug/L		
BERYLLIUM	ug/L		
CADMIUM	ug/L		
CHROMIUM	ug/L		
COBALT	ug/L		
COPPER	ug/L		
IRON	ug/L		
LEAD	ug/L		*33.9
MANGANESE	ug/L		
MERCURY	ug/L		
NICKEL	ug/L		
SELENIUM	ug/L	*68	
SILVER	ug/L		
THALLIUM	ug/L		
VANADIUM	ug/L		
ZINC	ug/L		
CYANIDE	ug/L		

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

23750: BS-36-ER, KBA-16-1, KBA-16-1F, KBA-16-2, KBA-16-2D, KBA-16-2F, KBA-16-3
KBA-KBA-16-3F, KBA-16-4, KBA-16-4F

COMPOUND	ADVISORY LIMITS			RPD
	WATER	SOIL		WATER/SOIL
ALL COMPOUNDS	75%-125%	75%-125%		+/- 20% OR +/-CRDL

MATRIX SPIKE/MATRIX SPIKE DUPLICATE - TABLE 1.2.6
DIOXIN FURAN OUTLIER SUMMARY TABLE

MS = MATRIX SPIKE *SAMPLE KB05SB010301*		SDG 20867, 20865		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
DIOXIN/FURAN COMPOUNDS	UNITS			
2,3,7,8-TCDF	NG			
1,2,3,7,8-PeCDF	NG			
1,2,3,4,7,8-HxCDF	NG			
2,3,7,8-TCDD	NG			
1,2,3,7,8-PeCDD	NG			
1,2,3,4,7,8-HxCDD	NG			

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

20867: KB05SB030301, KB05SB040301, KB05SB010301, KB05SB020301, KBBS00201ER, KB11SB060201, KB11SB010301, KB11SB080301, KBBS00301ER, KB05SB020301D

20865: KBBS00101FB, KBBS00101ER, KB05SB060301, KB05SB050301, KB05SB070301

ADVISORY LIMITS NOT AVAILABLE

MS = MATRIX SPIKE *SAMPLE 05SS01*		SDG 20940		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
DIOXIN/FURAN COMPOUNDS	UNITS			
2,3,7,8-TCDF	NG			
1,2,3,7,8-PeCDF	NG			
1,2,3,4,7,8-HxCDF	NG			
2,3,7,8-TCDD	NG			
1,2,3,7,8-PeCDD	NG			
1,2,3,4,7,8-HxCDD	NG			

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

20940: 05SS01, 05SS02, 05SS03, 05SS04, 05SS05, 05SS06, 05SS07

ADVISORY LIMITS NOT AVAILABLE

MATRIX SPIKE/MATRIX SPIKE DUPLICATE - TABLE 1.2.6
DIOXIN FURAN OUTLIER SUMMARY TABLE - PAGE - 2

MS = MATRIX SPIKE *SAMPLE KBA-11-9*		SDG 20997		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
DIOXIN/FURAN COMPOUNDS	UNITS			
2,3,7,8-TCDF	NG			
1,2,3,7,8-PeCDF	NG			
1,2,3,4,7,8-HxCDF	NG			
2,3,7,8-TCDD	NG			
1,2,3,7,8-PeCDD	NG			
1,2,3,4,7,8-HxCDD	NG			

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

20997: KBA-11-1, KBA-11-7, KBA-11-6, KBA-11-9, KBA-11-8, BS09ER, KBA-11-4, KBA-11-5, BS02FB, BS03FB

ADVISORY LIMITS NOT AVAILABLE

MS = MATRIX SPIKE *SAMPLE KBA-5-3*		SDG 21616		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
DIOXIN/FURAN COMPOUNDS	UNITS			
2,3,7,8-TCDF	NG			
1,2,3,7,8-PeCDF	NG			
1,2,3,4,7,8-HxCDF	NG			
2,3,7,8-TCDD	NG			
1,2,3,7,8-PeCDD	NG			
1,2,3,4,7,8-HxCDD	NG			

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S WITH ASSOCIATED SAMPLES

21616: KBA-16-2, KBA-16-1, KBA-5-3, KBA-5-4, BS13ER

ADVISORY LIMITS NOT AVAILABLE

CALIBRATION SUMMARY

INITIAL CALIBRATION RESULTS

AND

CONTINUING CALIBRATION RESULTS

TABLES:

1.3, 1.3.1,
1.3.5, 1.3.6, 1.3.7

VOLATILE ORGANIC COMPOUNDS - TABLE 1.3

INITIAL AND CONTINUING CALIBRATION - %RSD, %D, AND RRF

ICAL = INITIAL CALIBRATION = %RSD	SDG 20865		SDG 20867	SDG 20873			SDG 20900
CCAL = CONTINUING CALIBRATION = %D	ICAL	CCAL1	CCAL1	CCAL1	CCAL2	CCAL2	CCAL1
DATE	021492	021792	021792	021792	021892	021892	022392
INSTRUMENT ID	5100B	5100B	5100B	5100B	5100B	5100B	5100B
CALIBRATION CRITERIA	RRF	%D	%D	%D	%D	%D	%D
1,4-DIOXANE	0.003						
1,2-DICHLOROBENZENE		-29.1	-29.1	-29.1	-33.2		
DIBROMOMETHANE		-31.0	-31.0	-31.0	-28.3		
CARBON TETRACHLORIDE					-26.2		
trans-1,3-DICHLOROPROPENE					-26.4		
CHLOROMETHANE					39.9		
TRICHLOROFLUOROMETHANE					-27.8		
ACETONE						30.5	
2-BUTANONE						31.9	
2-HEXANONE						37.2	
4-METHYL-2-PENTANONE						32.9	
ACROLEIN						27.5	
ETHYL METHACRYLATE						25.6	
1,2,3-TRICHLOROPROPANE						25.6	
trans-1,4-DICHLORO-2-BUTENE						25.6	
BROMOMETHANE							-26.7

SDG 20865
ICAL022092: KB05SB070301DL, KB05SB070301MS, KB05SB070301MSD
CCAL1: KB05SB060301, KB05SB050301, KB05SB070301
SDG 20867
CCAL1: KB05SB020301D
SDG 20873
CCAL1: KBBT00401FB
CCAL2: KB11SB020301, KB11SB030301, KB11SB030301D, KB11SB040301, KB11SB050301, KB11SB060301, KB11SB070301, KBSB00401ER, KB11SB020301_DL
CCAL3: KB11SB040301_DL
SDG 20900
CCAL1: 16SB0305MS, 16SB0305MSD

000003

VOLATILE ORGANIC COMPOUNDS - TABLE 1.3 - PAGE 2

INITIAL AND CONTINUING CALIBRATION - %RSD, %D, AND RRF

ICAL = INITIAL CALIBRATION = %RSD	SDG 20917		SDG 20940			
CCAL = CONTINUING CALIBRATION = %D	ICAL	CCAL1	ICAL	CCAL1	CCAL2	CCAL3
DATE	021492	022792	022092	022692	022892	030292
INSTRUMENT ID	5100B	5100B	5100B	5100B	5100B	5100B
CALIBRATION CRITERIA	RRF	%D/RRF	RRF	%D/RRF	%D	%D
1,4-DIOXANE	0.001	0.002	0.003	0.003		
1,2-DICHLOROETHANE		-97.0				
1,1,1-TRICHLOROETHANE		-66.4				
CARBON TETRACHLORIDE		-58.8				
BROMODICHLOROMETHANE		-42.1				
trans-1,3-DICHLOROPROPANE		-34.8				
BROMOFORM		-43.6			-40.6	
BROMOFLUOROBENZENE		-59.2				
ACETONE		-45.5				
CARBON DISULFIDE		32.5			37.5	
METHYLENE CHLORIDE		27.4				
1,2-DICHLOROETHANE-d4		-99.9				
TRICHLOROFLUOROMETHANE		-47.1				
trans-1,4-DICHLORO-2-BUTENE		-42.2				
2-BUTANONE				26.9		
CHLOROETHANE				-30.3		
DIBROMOCHLOROMETHANE					-27.0	
BROMOMETHANE						-29.4
1,1,2,2-TETRACHLOROETHANE						-26.5
CHLOROMETHANE						-26.5

SDG 20917
CCAL1: 16SB0206
SDG 20940
CCAL1: 05SS03, 05SS03D
CCAL2: BT07FB, BS07ER, 05SS01, 05SS02, 05SS04, 05SS04MS, 05SS04MSD, 05SS05, 05SS06, 05SS07
CCAL3: 05SS02_R, 05SS05_R, 05SS07_R

VOLATILE ORGANIC COMPOUNDS - TABLE 1.3 - PAGE 3

INITIAL AND CONTINUING CALIBRATION - %RSD, %D, AND RRF

ICAL = INITIAL CALIBRATION = %RSD	SDG 21002			SDG 21012		
CCAL = CONTINUING CALIBRATION = %D	ICAL	CCAL1	CCAL2	ICAL	CCAL1	CCAL2
DATE	022792	030392	030492	022792	030492	030592
INSTRUMENT ID	5100B	5100B	5100B	5100B	5100B	5100B
CALIBRATION CRITERIA	%RSD/RRF	%D/RRF	%D/RRF	%RSD/R	%D/RRF	%D
1,4-DIOXANE	0.001	0.003	0.003	0.001	0.003	
CHLOROMETHANE	26.6			26.6		-29.2
1,2-DICHLOROETHANE		-25.3				
1,1,1-TRICHLOROETHANE		-40.0				
CARBON TETRACHLORIDE		-32.5				
BROMOFLUOROBENZENE		-30.0	-42.2		-42.2	
ACETONE		-29.0				
1,2-DICHLOROETHANE-d4		-33.2				
TRICHLOROFLUOROMETHANE		-40.3	-36.5		-36.5	
2-HEXANONE			28.6		28.6	
4-METHYL-2-PENTANONE			26.1		26.1	
BROMOMETHANE						-36.2
trans-1,3-DICHLOROPROPENE						-29.2
IODOMETHANE						-29.5
DIBROMOMETHANE						-40.1

SDG 21002
CCAL1: KBA-16-2, KBA-2MS, KBA-16-2MSD
CCAL2: BS10ER, TRAVEL BLANK, KBA-16-2, KBA-11-3, KBA-11-3D, KBA-16-3, KBA-16-1
SDG 21012
CCAL1: BS11ER, BT11FB
CCAL2: KBA-16-4

VOLATILE ORGANIC COMPOUNDS - TABLE 1.3 - PAGE 4

INITIAL AND CONTINUING CALIBRATION - %RSD, %D, AND RRF

ICAL = INITIAL CALIBRATION = %RSD	SDG 20985		SDG 20997		
CCAL = CONTINUING CALIBRATION = %D	ICAL	CCAL1	CCAL1	CCAL2	CCAL3
DATE	022992	030492	030392	030492	030592
INSTRUMENT ID	5100B	5100B	5100B	5100B	5100B
CALIBRATION CRITERIA	%RSD	%D	%D	%D	%D
CHLOROETHANE	32.4				
CHLOROMETHANE		28.6			-36.2
BROMODICHLOROMETHANE			-29.1	-27.1	
DIBROMOCHLOROMETHANE			-25.5	-31.3	
BROMOFORM			-33.5	-49.9	-29.2
1,1,2,2-TETRACHLOROETHANE			-32.5	-30.6	
DIBROMOMETHANE			-31.7	-32.0	
1,2-DICHLOROBENZENE				-25.6	
BROMOMETHANE					-37.8

SDG 20985
CCAL1: BS08ER, KBA-5-4, KBA-5-4D, KBA-5-5, KBA-5-6, KBA-5-7, KBA-5-4MS, KBA-5-4MSD
SDG 20997
CCAL1: KBA-11-9, KBA-11-9MS, KBA-11-9MSD
CCAL2: BT09FB, BS09ER, BS02FB, BS03FB, KBA-11-7, KBA-11-6, KBA-11-1, KBA-11-8
CCAL3: KBA-11-4, KBA-11-5

VOLATILE ORGANIC COMPOUNDS - TABLE 1.3 - PAGE 5

INITIAL AND CONTINUING CALIBRATION - %RSD, %D, AND RRF

ICAL = INITIAL CALIBRATION = %RSD	SDG 21599		SDG 21616		SDG 21628		
CCAL = CONTINUING CALIBRATION = %D	ICAL	CCAL1	ICAL	CCAL1	ICAL	CCAL1	CCAL2
DATE	050492	050892	050492	050892	050492	051392	051592
INSTRUMENT ID	4500	4500	4500	4500	4500	4500	4500
CALIBRATION CRITERIA	%RSD/RRF	%D/RRF	RRF	%D/RRF	RRF	%D/RRF	%D/RRF
1,4-DIOXANE	0.002	0.003	0.002	0.003	0.002	0.003	0.002
DIBROMOCHLOROMETHANE		-25.9		-25.9			
BROMOFORM		-28.6		-28.6			-34.3
2-CHLOROETHYLVINYLETHER	43.2	-43.2	43.2	-43.2	43.2	-25.7	-29.7
DIBROMOMETHANE		-41.6		-41.6			
1,4-DIOXANE		-50.0		-50.0		-50.0	
1,2-DIBROMO-3-CHLOROPROPANE		-55.4		-55.4		-67.7	-46.2
CHLOROMETHANE						30.4	
3-CHLOROPROPENE						27.3	
1,2-DIBROMOETHANE						-27.8	
1,1,2,2-TETRACHLOROETHANE							-25.7
TRICHLOROFLUOROMETHANE							-25.4
1,2-DICHLOROBENZENE							-25.2
1,4-DICHLOROBENZENE							-31.3
DIBROMOMETHANE							-27.7

SDG 21599
CCAL1: BS12ER, KBA-16-3, KBA-16-4, BT12FB
SDG 21616
CCAL1: BT13FB, KBA16-2, KBA-16-1, KBA-5-3, KBA-5-3MS, KBA-5-3MS, KBA-5-3MSD, BS13ER, KBA-5-4
SDG 21628
CCAL1: BT14FB, BS14ER, KBA-5-1, KBA-5-2, KBA-5-5, KBA-5-5D, KBA-5-7, KBA-5-6
CCAL2: BS14ER_DL

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VOLATILE ORGANIC COMPOUNDS - TABLE 1.3 - PAGE 6

INITIAL AND CONTINUING CALIBRATION - %RSD, %D, AND RRF

ICAL = INITIAL CALIBRATION = %RSD	SDG 21644		
CCAL = CONTINUING CALIBRATION = %D	ICAL	CCAL1	CCAL2
DATE	050492	051392	051492
INSTRUMENT ID	4500	4500	4500
CALIBRATION CRITERIA	%RSD/RRF	%D/RRF	%D/RRF
1,4-DIOXANE	0.002	0.002	0.003
2-CHLOROETHYLETHER	43.2		
CHLOROMETHANE		30.4	
3-CHLOROPROPENE		27.3	
1,2-DIBROMOETHANE		-27.8	-26.2
1,2-DIBROMO-3-CHLOROPROPANE		-67.7	-60.0
2-CHLOROETHYLVINYLETHER		-25.7	
ACETONE			-55.7

SDG 21644
CCAL1: BT15FB, KBA-11-1, KBA-11-9, BS15ER, KBA-11-8
CCAL2: KBA-11-7, KBA-11-2, KBA-11-2D, KBA-11-7MS, KBA-11-7MSD, BS15ER_DL

ICAL = INITIAL CALIBRATION = %RSD	SDG 21652		
CCAL = CONTINUING CALIBRATION = %D	ICAL	CCAL1	CCAL2
DATE	050492	051492	051592
INSTRUMENT ID	4500	4500	4500
CALIBRATION CRITERIA	%RSD/RRF	%D/RRF	%D/RRF
1,4-DIOXANE	0.002	0.003	0.002
2-CHLOROETHYLETHER	43.2		
1,2-DIBROMOETHANE		-26.2	
1,2-DIBROMO-3-CHLOROPROPANE		-60.0	-46.2
2-CHLOROETHYLVINYLETHER			-29.7
ACETONE		-55.7	
BROMOFORM			-34.3
1,1,2,2-TETRACHLOROETHANE			-25.7
TRICHLOROFLUOROMETHANE			-25.4
1,2-DICHLOROBENZENE			-31.3
1,4-DICHLOROBENZENE			-25.2
DIBROMOMETHANE			-27.7
1,2,3-TRICHLOROPROPANE			-28.6

SDG 21652
CCAL1: BT16FB, BS05FB, BS04FB, KBA-11-3, KBA-11-4, KBA-11-5, KBA-11-6
CCAL2: BS16ER

VOLATILE ORGANIC COMPOUNDS - TABLE 1.3 - PAGE 7

INITIAL AND CONTINUING CALIBRATION - %RSD, %D, AND RRF

ICAL = INITIAL CALIBRATION = %RSD	SDG 22203		SDG 22208		
CCAL = CONTINUING CALIBRATION = %D	ICAL	CCAL1	ICAL	CCAL1	CCAL2
DATE	060892	072092	060892	072092	072192
INSTRUMENT ID	4500	4500	4500	4500	4500
CALIBRATION CRITERIA	%RSD	%D/RRF	%RSD	%D/RRF	RRF
1,2-DICHLOROETHANE		26.6		26.6	30.5
TRICHLOROETHENE		-27.7		-27.7	-33.4
BROMOFORM		-54.4		-54.4	-65.9
TETRACHLOROETHENE		-48.6		-48.6	-51.7
1,1,2,2-TETRACHLOROETHANE	41.9	-50.0	41.9	-50.0	-36.5
BROMOFLUOROBENZENE		-40.6		-40.6	-33.6
1,3-DICHLOROBENZENE		-44.2		-44.2	-52.5
1,2-DICHLOROBENZENE	53.8	-100.8	34.9	-100.8	-106.3
1,4-DICHLOROBENZENE	34.9	-60.2	53.8	-60.2	-65.3
4-METHYL-2-PENTANONE		0.0		0.0	0.017
1,2-DICHLOROETHANE-D4		35.3		35.3	40.5

SDG 22203
CCAL1: VBLKW, BT-20-FB, BS-20-ER, KBA-5-7, KBA-5-6, KBA-5-5, KBA-5-4
SDG 22208
CCAL1: VBLKW, BS08FB, BS06FB
CCAL2: VBLKW-2, BT21FB

ICAL = INITIAL CALIBRATION = %RSD	SDG 22201			SDG 22191			
CCAL = CONTINUING CALIBRATION = %D	ICAL	CCAL1	CCAL2	ICAL	CCAL1	CCAL2	CCAL3
DATE	051192	071392	071792	051192	071092	071392	071792
INSTRUMENT ID	5100B	5100B	5100B	5100B	5100B	5100B	5100B
CALIBRATION CRITERIA	%RSD	%D	%D	%RSD	%D	%D	%D
CHLOROMETHANE	34.3			34.3	-32.4		
1,2-DICHLOROETHANE		34.5	28.2		27.0	34.5	28.2
trans-1,3-DICHLOROPROPENE		36.8	34.5		32.1	36.8	34.5
2-HEXANONE			31.2				31.2
1,2-DICHLOROETHANE-D4		35.4				35.4	
VINYL ACETATE		58.8	52.5		50.3	58.8	52.5

SDG 22201
CCAL1: KBA-11-1, BT-18-FB, BS-18-ER1, KBA-11-3, KBA-11-4,
KBA-11-5, KBA-5-1, KBA-11-6, KBA-5-2, KBA-5-3A
CCAL1: KBA-5-3D2, KBA-5-3AMS, KBA-5-3AMSD
SDG 22191
CCAL1: BT-17-FB, KBA-11-2MS, KBA-11-2MSD, KBA-11-2
CCAL2: KBA-11-2D, KBA-11-8, KBA-11-7, BS-17-ER
CCAL3: KBA-11-9

VOLATILE ORGANIC COMPOUNDS - TABLE 1.3 - PAGE 8

INITIAL AND CONTINUING CALIBRATION - %RSD, %D, AND RRF

ICAL = INITIAL CALIBRATION = %RSD	SDG 22205		SDG 22727	
CCAL = CONTINUING CALIBRATION = %D	ICAL	CCAL1	CCAL1	CCAL2
DATE	060892	072092	092392	092492
INSTRUMENT ID	4500	4500	4500	4500
CALIBRATION CRITERIA	%RSD	%D/RRF	%D	%D
1,2-DICHLOROETHANE		26.6		
TRICHLOROETHENE		-27.7		
BROMOFORM		-54.4		30.5
TETRACHLOROETHENE		-48.6		
1,1,2,2-TETRACHLOROETHANE	41.9	-50.0	-33.1	
BROMOFLUOROBENZENE		-40.6		
1,3-DICHLOROBENZENE		-44.2		
1,2-DICHLOROBENZENE	34.9	-100.8		
1,4-DICHLOROBENZENE	53.8	-60.2		
4-METHYL-2-PENTANONE		0.0	-33.7	
1,2-DICHLOROETHANE-D4		35.3		
METHYLENE CHLORIDE			-27.1	

SDG 22205
CCAL1: BS-19-ER, BT-19-FB, KBA-16-4, KBA-16-3, KBA-16-2, KBA-16-1
KBA-16-4MS, KBA-16-4MSD
SDG 22727
CCAL1: BS-25-ER, BT-26-FB, KBA-5-4, KBA-5-4MS, KBA-5-4MSD,
KBA-5-2, KBA-5-1
CCAL2: KBA-5-3, KBA-5-3D

ICAL = INITIAL CALIBRATION = %RSD	SDG 22711			
CCAL = CONTINUING CALIBRATION = %D	ICAL	CCAL1	CCAL2	CCAL3
DATE	091092	091692	091892	092392
INSTRUMENT ID	4500	4500	4500	4500
CALIBRATION CRITERIA	%RSD	%D	%D	%D
1,2-DICHLOROETHANE			28.7	
1,1,2,2-TETRACHLOROETHANE				-36.1
2-BUTANONE	36.2	25.9	28.7	
CARBON DISULFIDE			34.4	
CHLOROETHANE				-27.1
CHLOROMETHANE			26.1	
4-METHYL-2-PENTANONE				-33.7
1,2-DICHLOROETHANE-D4			25.4	

SDG 22711
CCAL1: KBA-11-8, KBA-11-7, BS-23-ER, KBA-11-1, KBA-1104, KA-11-5
CCAL2: BT-23-FB, KBA-11-2, KKBA-11-2MS, KBA-11-2MSD, KBA-11-2D
CCAL3: BT-24-FB, KBA-11-3, BS-11-ER, KBA-11-6, KBA-11-9

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VOLATILE ORGANIC COMPOUNDS - TABLE 1.3 - PAGE 9

INITIAL AND CONTINUING CALIBRATION - %RSD, %D, AND RRF

ICAL = INITIAL CALIBRATION = %RSD	SDG 22723				SDG 227
CCAL = CONTINUING CALIBRATION = %D	ICAL	CCAL1	CCAL2	CCAL3	CCAL1
DATE	091092	091892	092392	092492	092492
INSTRUMENT ID	4500	4500	4500	4500	4500
CALIBRATION CRITERIA	%RSD	%D	%D	%D	%D
1,2-DICHLOROETHANE		28.7			
BROMOFORM				30.5	30.5
1,1,2,2-TETRACHLOROETHANE			-36.1		
2-BUTANONE	36.2	28.7			
CARBON DISULFIDE		34.4			
CHLOROETHANE			-27.1		
CHLOROMETHANE		26.1			
4-METHYL-2-PENTANONE			-33.7		

SDG 22723
CCAL1: KBA-16-1, BS-24-ER
CCAL2: KBA-16-2, KBA-16-3
CCAL3: BT-25-FB, KBA-16-4
SDG 22725
CCAL1: KBA-5-5, KBA-5-6, KBA-5-7, BS-10-FB, BS-12-FB, BT-27-FB, BS-26-ER

ICAL = INITIAL CALIBRATION = %RSD	SDG 34464			SDG 34467		SDG 23726	
CCAL = CONTINUING CALIBRATION = %D	ICAL	CCAL1	CCAL2	ICAL	CCAL1	CCAL1	CCAL2
DATE	112392	112492	112592	112392	112492	011493	011493
INSTRUMENT ID	5100	5100	5100	5100	5100	5100	5100
CALIBRATION CRITERIA	%RSD	%D	%D	%RSD	%D	%D	%D
BROMOFORM	31.3			31.3			
1,1,2,2-TETRACHLOROETHANE		-26.4			-26.4		
2-BUTANONE	36.2			36.2			33.2
ACETONE			32.7			32.3	29.4
CHLOROMETHANE						30.8	30.5
2-HEXANONE							26.0
4-METHYL-2-PENTANONE		-37.3			-37.3		

SDG 34464
CCAL1: BT-29-F, KBA-11-7, KBA-11-5, KBA-11-4, KBA-11-3
CCAL2: BS-28-ER, KBA-11-6
SDG 34467
CCAL1: BT-28-FB, KBA-11-9, KBA-11-1, KBA-11-2, KBA-11-2MS KBA-11-2MSD, KBA-11-2D, BS-27-ER, KBA-11-8
SDG 23726
CCAL1: KBA-11-9, KBA-11-7, KBA-11-6, BS-34-FB
CCAL2: KBA-11-5, BS-34-ER, KBA-11-4, KBA-11-3

VOLATILE ORGANIC COMPOUNDS - TABLE 1.3 - PAGE 10

INITIAL AND CONTINUING CALIBRATION - %RSD, %D, AND RRF

ICAL = INITIAL CALIBRATION = %RSD	SDG 23739			SDG 237	SDG 237
CCAL = CONTINUING CALIBRATION = %D	CCAL1	CCAL2	CCAL3	CCAL1	CCAL1
DATE	012393	012593	012593	012593	012593
INSTRUMENT ID	FINNZ	FINNZ	FINNZ	FINNZ	FINNZ
CALIBRATION CRITERIA	%D	%D	%D	%D	%D
2-BUTANONE	-30.2	-42.0			
CHLOROMETHANE	31.0	26.0	25.8	25.8	25.8
2-HEXANONE	-37.3	-49.7	-27.8	-27.8	-27.8
4-METHYL-2-PENTANONE	-27.8	-28.9			
VINYL ACETATE		-25.4			

SDG 23739
CCAL1: BT-35-FB, BS-21-FB, BS-19-FB
CCAL2: KBA-5-3, KBA-5-3MS, KBA-5-3MSD, BS-35-ER, KBA-5-5
CCAL3: KBA-5-3D
SDG 23740
CCAL1: KBA-5-7, KBA-5-6, KBA-5-4, KBA-5-3, KBA-5-1, KBA-5-2
SDG 23751
CCAL1: BT-36-FB, BS-36-ER, KBA-16-1, KBA-16-2, KBA-16-2D, KKBA-16-3, KBA-16-4

SEMIVOLATILE ORGANIC COMPOUNDS - TABLE 1.3.1

INITIAL AND CONTINUING CALIBRATION - %RSD, %D, AND RRF

ICAL = INITIAL CALIBRATION = %RSD	SDG 20865		SDG 20867		SDG 20873		
CCAL = CONTINUING CALIBRATION = %D	CCAL1	CCAL2	CCAL1	CCAL2	ICAL	CCAL1	CCAL2
DATE	022392	022492	022492	030292	021792	022492	022592
INSTRUMENT ID	4000	4000	4000	4000	5100D	5100D	5100D
CALIBRATION CRITERIA	%D	%D	%D	%D	%RSD	%D	%D
bis(2-CHLOROETHOXY)METHANE	-25.8	-28.6	-28.6				
HEXACHLOROBENZENE	30.3	32.3	32.3	31.7			
BENZO(K)FLUORANTHENE	-46.7	-32.3	-32.3	-45.0			
2-NITROANILINE	30.5	26.7	26.7	36.5			
bis(2-CHLOROISOPROPYL)ETHER	38.7			34.3			
2,4-DINITROPHENOL	-27.0			-35.6			59.4
4-NITROPHENOL	-25.6			28.5			39.6
3,3'-DICHLOROBENZIDINE	26.3			37.3			
3-METHYLCHOLANTHRENE	28.9						
1-NAPHTHYLAMINE		27.0	27.0	41.8	40.1	39.5	
2-NAPHTHYLAMINE		34.9	34.9	61.9	41.0	51.5	
4-AMINOBIPHENYL		33.2	33.2	28.3			35.9
PENTACHLORONITROBENZENE		29.6	29.6				
ANILINE				30.8			
2-PICOLINE				30.5			
METHYL METHANESULFONATE				33.6			
N-NITROSOPIPERIDINE				30.1			
BENZIDINE					40.4		
BENZYL ALCOHOL						40.3	
BENZOIC ACID							-48.9
4,6-DINITRO-2-METHYLPHENOL							35.2

SDG 20865

CCAL1: KBBS00101FB, KBBS00101ER

CCAL2: KB05SB060301, KB05SB050301, KB05SB070301

SDG 20867

CCAL1: KB05SB030301, KB05SB040301, KB05SB010301, KB11SB010301, KB05SB020301, KB11SB060201, KB11SB080301, KB05SB010301MS, KB05SB010301MSD

CCAL2:KB05SB020301D, KB11SB010301RX, KBBS00201ER, KBBS00301ER

SDG 20873

CCAL1: KB11SB020301, KB11SB030301, KB11SB030301D

CCAL2: KB11SB040301, KB11SB050301, KB11SB060301, KB11SB070301, KBBS00401ER

SEMIVOLATILE ORGANIC COMPOUNDS - TABLE 1.3.1 - PAGE - 2

INITIAL AND CONTINUING CALIBRATION - %RSD, %D, AND RRF

ICAL = INITIAL CALIBRATION = %RSD	SDG 20900			SDG 20917		
CCAL = CONTINUING CALIBRATION = %D	**ICAL**	**CCAL1**	**CCAL2**	**ICAL**	**CCAL1**	**CCAL2**
DATE	021792	030292	030392	021792	030292	030392
INSTRUMENT ID	5100D	5100D	5100D	5100D	5100D	5100D
CALIBRATION CRITERIA	%RSD	%D	%D	%RSD	%D	%D
BENZIDINE	40.4	-106.1	-61.3	40.4	-106.1	-61.3
1-NAPHTHYLAMINE	40.1		27.1	40.1		27.1
2-NAPHTHYLAMINE	41.0		26.0	41.0		26.0
BENZOIC ACID		30.3			30.3	
N-NITROSOPIPERIDINE		25.3	27.8		25.3	27.8
4-AMINOBIPHENYL	37.7	-26.4		37.7	-26.4	
ANTHRACENE			26.2			26.2
BENZO(K)FLUORANTHENE			-50.2			-50.2
2-NITROANILINE			25.8			25.8
4-NITROANILINE						
p-DIMETHYLAMINOAZOBENZENE			31.5			31.5
3-METHYLCHOLANTHRENE			-31.8			-31.8
4-NITROPHENOL		43.4	40.8		43.4	40.8
4-NITROANILINE		-41.7			-41.7	

SDG 20900
CCAL1: 16SB0405, 16SB0305, 16SB0105
CCAL2: BS05ER
SDG 20917
CCAL1: 16SB0206
CCAL2: BS06ER

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SEMIVOLATILE ORGANIC COMPOUNDS - TABLE 1.3.1 - PAGE - 3

INITIAL AND CONTINUING CALIBRATION - %RSD, %D, AND RRF

ICAL = INITIAL CALIBRATION = %RSD	SDG 20940				
CCAL = CONTINUING CALIBRATION = %D	ICAL	CCAL1	CCAL2	CCAL3	CCAL4
DATE	021792	030692	031092	031192	031292
INSTRUMENT ID	5100D	4000	5100D	5100D	5100D
CALIBRATION CRITERIA	%RSD	%D	%D	%D	%D
BENZIDINE	40.4	-68.3	-93.4		
1-NAPHTHYLAMINE	40.1	-37.9		-29.2	-31.4
2-NAPHTHYLAMINE	41.0	-59.6			
4-AMINOBIPHENYL	37.7	-28.9	-36.1		-26.8
2-METHYLPHENOL		-31.1	-29.6	-40.9	
4-METHYLPHENOL		-38.9		-40.4	
2-METHYLNAPHTHALENE		-30.9			
2,4-DINITROTOLUENE		-32.3			
HEXACHLOROBENZENE		42.7			
BENZO(B)FLUORANTHENE		41.7			
INDENO(1,2,3-c,d)PYRENE		35.6			
DIBENZO(a,h)ANTHRACENE		32.8			
BENZO(g,h,i)PERYLENE		28.6			
2-NITROANILINE		-27.7			
4-NITROANILINE		-37.0	-41.1	-99.9	-82.1
4,6-DINITRO-2-METHYLPHENOL		-38.2			
BUTYLBENZYLPHTHALATE		-44.1	-35.2	-30.5	
bis(2-ETHYLHEXYL)PHTHALATE		-39.4	-45.2	-31.3	
N-NITROSODIMETHYLAMINE		-25.9	-29.2		
2-PICOLINE		29.4			
METHYL METHANESULFONATE		31.3			29.6
PHENACETIN		-37.9			
PENTACHLORONITROBENZENE		37.9		28.0	
3-METHYLCHOLANTHRENE		31.7			
NITROBENZENE		-60.3			
2,4-DINTROPHENOL		-72.2		-38.4	-31.2
2,3,4,6-TETRACHLOROPHENOL		-63.9	-39.1	-48.8	-80.7
p-DIMETHYLAMINOAZOBENZENE		-64.3	-46.3	-40.7	
HEXACHLOROETHANE		-28.1		-58.4	
bis(2-CHLOROISOPROPYL)ETHER			-26.4	-98.6	
1,2-DICHLOROBENZENE			-31.0	-26.4	
2-CHLORONAPHTHALENE			-28.6		
BENZO(K)FLUORANTHENE			-39.6		-28.6
TERPHENYL-d14			-29.7		
bis(2-CHLOROETHYL)ETHER			-29.5	-49.2	
DI-N-BUTYLPHTHALATE			-27.6		
3,3'-DICHLOROBENZIDINE			-34.2		
2,4,6-TRIBROMOPHENOL			37.6		
PRONAMIDE			-26.2		

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SEMIVOLATILE ORGANIC COMPOUNDS - TABLE 1.3.1 - PAGE - 4

INITIAL AND CONTINUING CALIBRATION - %RSD, %D, AND RRF

ICAL = INITIAL CALIBRATION = %RSD	SDG 20940	CONTINUED			
CCAL = CONTINUING CALIBRATION = %D	**ICAL**	**CCAL1**	**CCAL2**	**CCAL3**	**CCAL4**
DATE	021792	030692	031092	031192	031292
INSTRUMENT ID	5100D	4000	5100D	5100D	5100D
CALIBRATION CRITERIA	%RSD	%D	%D	%D	%D
1,3-DICHLOROBENZENE				-27.0	
N-NITROSO-DI-PROPYLAMINE				-52.7	
ISOPHORONE				-29.0	
bis(2-CHLOROETHOXY)ETHER				-32.4	
2,6-DINITROTOLUENE				-34.8	-31.1
2,4-DINITROTOLUENE				-35.6	-34.7
PEHNOL-d5				-27.4	
BENZYL ALCOHOL				-30.4	
3-NITROANILINE				-32.5	-38.2
ANILINE				-33.7	
ETHYL METHANESULFONATE				-67.8	
2,4,5-TRICHLOROPHENOL					-27.8
2-CHLORONAPHTHALENE					-36.4
4-CHLOROPHENYL-PHENYLETHER					-41.1
FLUORENE					-31.5
HEXACHLOROCYCLOPENTADIENE					-57.3
BENZOIC ACID					-36.2

SDG 20940

CCAL1: 05SS01, 05SS04, 05SS04MS, 05SS04MSD

CCAL2: 05SS02, 05SS03, 05SS03D, 05SS06

CCAL3: 05SS07, 05SS05

CCAL4: BS07ER

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SEMIVOLATILE ORGANIC COMPOUNDS - TABLE 1.3.1 - PAGE - 5

INITIAL AND CONTINUING CALIBRATION - %RSD, %D, AND RRF

ICAL = INITIAL CALIBRATION = %RSD	SDG 21002				SDG 21012	
CCAL = CONTINUING CALIBRATION = %D	**ICAL**	**CCAL1**	**CCAL2**	**CCAL3**	**ICAL**	**CCAL1**
DATE	031692	031692	031792	031992	031692	031792
INSTRUMENT ID	4000	4000	4000	4000	4000	4000
CALIBRATION CRITERIA	%RSD	%D	%D	%D	%RSD	%D
BENZIDINE	41.0	-50.7		-34.0	41.0	-34.0
2-NAPHTHYLAMINE	45.0			34.0	45.0	34.0
BENZOIC ACID		33.9				
2-PICOLINE		25.4				
4-AMINOBIPHENYL			32.2	32.2		32.2

SDG 21002
CCAL1: BS10ER
CCAL2: KBA-16-2, KBA-11-2, KBA-11-3, KBA-11-3D, KBA-16-3, KBA-16-1, KBA-16-2_RX
CCAL3: KBA-11-3_RX
SDG 21012
CCAL1: KBA-16-4, BS11ER

ICAL = INITIAL CALIBRATION = %RSD	SDG 20985				SDG 20997	
CCAL = CONTINUING CALIBRATION = %D	**ICAL**	**CCAL1**	**CCAL2**	**CCAL3**	**ICAL**	**CCAL2**
DATE	031692	031292	031692	031792	031692	031692
INSTRUMENT ID	4000	4000	4000	4000	4000	4000
CALIBRATION CRITERIA	%RSD	%D	%D	%D	%RSD	%D
BENZIDINE	41.0	-27.6	-50.7		41.0	-50.7
2-NAPHTHYLAMINE	45.0				45.0	
2,4-DINITROPHENOL		27.8				
4-NITROPHENOL		-34.1				
bis(2-ETHYLHEXYL)PHTHALATE		-30.8				
METHYL METHANESULFONATE		41.3				
BENZOIC ACID			33.9			33.9
2-PICOLINE			25.1			25.1
4-AMINOBIPHENYL				32.2		

SDG 20985
CCAL1: KBA-5-1, KBA-5-2, KBA-5-3, KBA-5-4D, KBA-5-5, KBA-5-6 KBA-5-7, BS08ER
CCAL2: KBA-5-4
CCAL3: KBA-5-4_RX
SDG 20997
ICAL: KBA-11-1_RX, KBA-11-1, KBA-11-7, KBA-11-6
CCAL1: KBA-11-9, KBA-11-8, BS09ER, KBA-11-4, KBA-11-5, BS03FB, BS02FB, KBA-11-9MS, KBA-11-9MSD

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SEMIVOLATILE ORGANIC COMPOUNDS - TABLE 1.3.1 - PAGE - 6

INITIAL AND CONTINUING CALIBRATION - %RSD, %D, AND RRF

ICAL = INITIAL CALIBRATION = %RSD	SDG 21559		SDG 21616		SDG 21628	
CCAL = CONTINUING CALIBRATION = %D	ICAL	CCAL1	ICAL	CCAL1	ICAL	CCAL1
DATE	043092	052092	043092	052092	043092	052192
INSTRUMENT ID	5100	5100	5100	5100	5100	5100
CALIBRATION CRITERIA	%RSD	%D	%RSD	%D	%RSD	%D
4-CHLOROPHENYL-PHENYLETHER	33.2	28.4	33.2	28.4	33.2	
BENZO(K)FLUORANTHENE	31.5	-36.5	31.5	-36.5	31.5	-25.5
PENTACHLOROBENZENE	33.6	-29.2	33.6	-29.2	33.6	
1-NAPHTHYLAMINE	42.6	-143.7	42.6	-143.7	42.6	-121.1
2-NAPHTHYLAMINE	44.4	-139.7	44.4	-139.7	44.4	-138.0
4-AMINOBIPHENYL	50.5	-35.1	50.5	-35.1	50.5	-27.9
7,12-DIMETHYLBENZ(A)ANTHRACENE	31.4	-25.4	31.4	-25.4	31.4	-27.5
NITROBENZENE		-36.1		-36.1		-40.7
bis(2-CHLOROETHYL)ETHER		-32.8		-32.8		-44.0
N-NITROSO-DI-N-PROPYLAMINE		-25.1		-25.1		-35.1
DIBENZ(a,h)ANTHRACENE		-29.4		-29.4		-30.5
4-CHLOROANILINE		-32.4		-32.4		-31.9
DIMETHYLPHTHALATE		-28.0		-28.0		-27.3
BENZOIC ACID		31.5		31.5		
BENZIDINE		35.3		35.3		49.4
4-NITROPHENOL		28.4		28.4		35.2
4,6-DINITRO-2-METHYLPHENOL		27.0		27.0		26.1
BUTYLBENZYLPHTHALATE		28.3		28.3		
2,4,6-TRIBROMOPHENOL		-42.9		-42.9		-32.1
ANILINE		-29.2		-29.2		-37.2
METHYL METHANESULFONATE		-29.1		-29.1		
N-NITROSOPIPERIDINE		-29.6		-29.6		-39.0
p-DIMETHYLAMINOAZOBENZENE		26.6		26.6		28.5
3-METHYLCHOLANTHRENE		27.0		27.0		-31.8
1,3,5-TRINITROBENZENE		28.7		28.7		32.8
4-NITROQUINOLINE-1-OXIDE		25.7		25.7		33.3
2-ACETAMIDOFLUORENE		32.5		32.5		28.2
bis(2-CHLOROISOPROPYL)ETHER		-83.0		-83.0		-98.0
N-NITROMETHYLETHYLAMINE		54.8		54.8		
bis(2-CHLOROETHOXY)METHANE		-58.2		-58.2		-58.8
PHENACETIN		25.6		25.6		33.8
ARAMITE		26.7		26.7		
1,2-DICHLOROBENZENE						-28.5
2-METHYLPHENOL						34.5
N-NITROSOMORPHOLINE						-30.0
HEXACHLOROPROPENE						29.0
5-NITRO-O-TOLUIDINE						26.6
METHAPYRILENE						34.9

SDG 21599

CCAL1: BS12ER, KBA-16-3, KBA-16-4

SDG 21616

CCAL1: KBA-16-2, KBA-16-1, KBA-5-3, KBA-5-3MS, KBA-5-3MSD, BS13ER, KBA-5-4

SDG 21628

CCAL1: KBA-5-1, KBA-5-2, BS14ER, KBA-5-5, KBA-5-5D, KBA-5-7, KBA-5-6

SEMIVOLATILE ORGANIC COMPOUNDS - TABLE 1.3.1 - PAGE - 7

INITIAL AND CONTINUING CALIBRATION - %RSD, %D, AND RRF

ICAL = INITIAL CALIBRATION = %RSD	SDG 21644			SDG 21652			
CCAL = CONTINUING CALIBRATION = %D	ICAL	CCAL1	CCAL2	ICAL	CCAL1	CCAL2	CCAL3
DATE	043092	052192	052292	043092	052092	052292	052692
INSTRUMENT ID	5100	5100	5100	5100	5100	5100	5100
CALIBRATION CRITERIA	%RSD	%D	%D	%RSD	%D	%D	%D
bis(-2-CHLOROETHYL)ETHER		-44.0	-31.0		-32.8	-31.0	-49.3
1,2-DICHLOROBENZENE		-28.5					
2-METHYLPHENOL		34.5					
4-METHYLPHENOL							-44.2
N-NITROSO-DI-PROPYLAMINE		-35.1					-90.0
HEXACHLOROETHANE							-34.8
NITROBENZENE		-40.7			-36.1		-56.2
ISOPHORONE							-29.8
bis(-2-CHLOROETHOXY)METHANE		-58.8	-55.8		-58.2	-55.8	-78.3
2-CHLORONAPHTHALENE			-25.2			-25.2	
ACENAPHTHALENE			-30.2			-30.2	-29.1
4-CHLOROPHENYL-PHENYLETHER	33.2			33.2	-30.3		
4-BROMOPHENYL-PHENYLETHER							26.5
HEXACHLOROBENZENE							33.6
BENZO(K)FLUORANTHENE	31.5	-25.5		31.5	-36.5		
DIBENZO(A,H)ANTHRACENE		-30.5			-29.4		
NITROBENZENE-D5							-31.5
4-CHLOROANILINE			-28.4		-32.4	-28.4	-35.7
2-NITROANILINE							-34.4
DIMETHYLPHTHALATE		-27.3			-28.0		
bis(2-CHLOROISOPROPYL)ETHER		-98.0	-81.8		-83.0	-81.8	-123.5
BENZOIC ACID			41.6		31.5	41.6	40.0
BENZIDINE		49.4	35.3		35.3	35.3	
4-NITROPHENOL		35.2	36.8		28.4	36.8	27.2
4,6-DINITRO-2-METHYLPHENOL		26.1	27.5		27.0	27.5	25.6
3,3'-DICHLOROBENZIDINE			-26.3			-26.3	
BUTYLBENZYLPHTHALATE					28.3		
2,4,6-TRIBROMOPHENOL	30.1	-32.1		30.1	-42.9		25.5
ANILINE		-37.2	-29.0		-29.2	-29.0	-45.9
2-PICOLINE			33.0			33.0	
METHYL METHANESULFONATE			34.7			34.7	43.4
ETHYL METHANESULFONATE							-25.5
N-NITROSOPIPERIDINE		-39.0			-29.6		-88.0
N-NITROSO-DI-N-BUTYLAMINE							-33.7
PENTACHLOROBENZENE	33.6			33.6	-29.2		28.6
1-NAPHTHYLAMINE	42.6	-121.0	-178.0	42.6	-143.7	178.0	-172
2-NAPHTHYLAMINE	44.4	-138.0	-240.0	44.4	-139.7	-240.0	-232.0
PHENACETIN		-27.9	28.1		25.6	28.1	
4-AMINOBIPHENYL	50.5		-71.9	50.5	-35.1	-71.9	-111.3

SEMIVOLATILE ORGANIC COMPOUNDS - TABLE 1.3.1 - PAGE - 8

INITIAL AND CONTINUING CALIBRATION - %RSD, %D, AND RRF

ICAL = INITIAL CALIBRATION = %RSD	SDG 21644 CONTINUED			SDG 21652 CONTINUED			
CCAL = CONTINUING CALIBRATION = %D	ICAL	CCAL1	CCAL2	ICAL	CCAL1	CCAL2	CCAL3
DATE	043092	052192	052292	043092	052092	052292	052692
INSTRUMENT ID	5100	5100	5100	5100	5100	5100	5100
CALIBRATION CRITERIA	%RSD	%D	%D	%RSD	%D	%D	%D
PENTACHLOROBENZENE							41.3
7,12-DIMETHYLBENZ(A)ANTHRACENE	31.4	-31.8		31.4	-25.4		
3-METHYLCHOLANTHRENE			-28.4		-27.0	-28.4	
N-NITROSOMETHYLETHYLAMINE			30.4		54.8	30.4	26.2
N-NITROSOMORPHOLINE		-30.0					
HEXACHLOROPROPENE		29.0	26.3		29.0	26.3	
ISOSAFROLE			26.0			26.0	
1,4-NAPTHOQUINONE	37.9		49.6	37.9		49.6	39.4
1,3-DINITROBENZENE			36.3			36.3	
5-NITRO-O-TOLUIDINE		26.8	28.0			28.0	
1,3,5-TRINITROBENZENE		32.8	37.9		28.7	37.9	
4-NITROQUINOLINE-1-OXIDE		33.3	40.0		25.7	40.0	
METHAPYRILENE		34.9	37.9			37.9	
3,3'-DIMETHYLBENZIDINE			-68.7			-68.7	-32.7
2-ACETAMIDOFLUORENE		28.2			32.5		27.3
ARAMITE			27.9		26.7	27.9	44.2

SDG 21644

CCAL1: KBA-11-1, KBA-11-9, BS15ER, KBA-11-8

CCAL2: KBA-11-7, KBA-11-2D, KBA-11-2

SDG 21652

CCAL1: KBA-11-5

CCAL2: BS05FB, BS04FB, BS16ER, KBA-11-3, KBA-11-4

CCAL3: KBA-11-6

000085

SEMIVOLATILE ORGANIC COMPOUNDS - TABLE 1.3.1 - PAGE - 9

INITIAL AND CONTINUING CALIBRATION - %RSD, %D, AND RRF

ICAL = INITIAL CALIBRATION = %RSD	SDG 22208		SDG 22205		
CCAL = CONTINUING CALIBRATION = %D	ICAL	CCAL1	ICAL	CCAL1	ICAL
DATE	071592	072192	071492	071792	071592
INSTRUMENT ID	4000	4000	5100D	5100D	5100D
CALIBRATION CRITERIA	%RSD	%D	%D	%D	%RSD
bis(-2-CHLOROETHYL)ETHER	33.6				33.6
4-METHYLPHENOL				26.4	
HEXACHLOROETHANE				26.3	
2-METHYLNAPHTHALENE		-59.0			
2,4,5-TRICHLOROPHENOL		-32.1			
HEXACHLOROCYCLOPENTADIENE		-33.0			
3-NITROANILINE		34.7			
2,4-DINITROPHENOL		-45.6			
2-FLUOROPHENOL				30.5	
4-NITROPHENOL		-39.5		35.0	
4-NITROANILINE		49.4	33.0		
2,4,6-TRIBROMOPHENOL		-48.2			

SDG 22208
CCAL 1: BS08FB, BS06FB
SDG 22205
CCAL1: KBA-16-1, KBA-16-2D

000086

SEMIVOLATILE ORGANIC COMPOUNDS - TABLE 1.3.1 - PAGE - 10

INITIAL AND CONTINUING CALIBRATION - %RSD, %D, AND RRF

ICAL = INITIAL CALIBRATION = %RSD	SDG 22723			SDG 22725	
CCAL = CONTINUING CALIBRATION = %D	CCAL1	CCAL2	CCAL3	CCAL1	CCAL2
DATE	101492	101592	102092	101492	102092
INSTRUMENT ID	4000	4000	4000	4000	4000
CALIBRATION CRITERIA	%D	%D	%D	%D	%D
N-NITROSO-DI-PROPYLAMINE			-36.9		-36.9
HEXACHLOROETHANE			-34.7		-34.7
NITROBENZENE			-29.7		-29.7
ISOPHORONE		-25.7	-30.3		-30.3
2,6-DINITROTOLUENE		-33.3			
2,4-DINITROTOLUENE		-39.1			
BENZO(K)FLUORANTHENE		26.0			
2,2'-OXYBIS(1-CHLOROPROPANE)			-43.4		-43.4
2,4-DINITROPHENOL		-31.4			
4-NITROANILINE		-25.7			
3,3'-DICHLOROBENZIDINE		-44.5	-47.7		-47.7
BIS(2-ETHYLHEXYL)PHTHALATE	32.2	-34.5	-29.4	32.2	-29.4
2,4,6-TRIBROMOPHENOL			31.8		31.8
CARBAZOLE		-29.1			

SDG 22723

CCAL1: BS-24-ER, KBA-16-20, KBA-16-2MS, KBA-16-2MSD

CCAL2: KBA-16-1, KBA-16-2, KBA-16-3, KBA-16-4, SBLKW_2

CCAL3: KBA-16-1RE, KBA-16-2RE, KBA-16-3RE, KBA-16-4RE, BS-24-ERRE, KBA-16-2DRE

SDG 22725

CCAL1: BS-10-FB, BS-12-FB

CCAL2: BS-10-FBRE, BS-12-FBRE

000087

SEMIVOLATILE ORGANIC COMPOUNDS - TABLE 1.3.1 - PAGE - 11

INITIAL AND CONTINUING CALIBRATION - %RSD, %D, AND RRF

ICAL = INITIAL CALIBRATION = %RSD	SDG 22739	SDG 23751	
CCAL = CONTINUING CALIBRATION = %D	CCAL1	CCAL1	CCAL2
DATE	012793	012793	021593
INSTRUMENT ID	5100D	5100D	5100D
CALIBRATION CRITERIA	%D	%D	%D
BIS(-2-CHLOROETHYL)ETHER	-26.5	-26.5	
2,6-DINITROTOLUENE	-26.1	-26.1	
2,4-DINITROTOLUENE	-32.4	-32.4	
BENZO(K)FLUORANTHENE			42.4
TERPHENYL-D14	-25.4	-25.4	
HEXACHLOROCYCLOPENTADIENE			-27.9
DIMETHYLPHTHALATE	-27.4	-27.4	
2-CHLOROISOPROPYLETHER	-27.4	-27.4	
BENZOIC ACID	-26.9	-26.9	56.6
3-NITROANILINE	-25.6	-25.6	
4,6-DINITRO-2-METHYLPHENOL			30.5
BUTYLBENZYLPHTHALATE			26.4
3,3'-DICHLOROBENZIDINE			-29.3
BIS(2-ETHYLHEXYL)PHTHALATE			31.5

SDG 22739
CCAL1: BS-21-FB, BS-199-FB
SDG 23751
CCAL1: KBA-16-1, BS-36-ER, KBA-16-2, KBA-16-2S, KBA-16-2MD, KBA-16-2D
KBA-16-3, KBA-16-4
CCAL2: KBA-16-3RE

ORGANOPHOSPHORUS PESTICIDES - TABLE 1.3.5

INITIAL AND CONTINUING CALIBRATION - %RSD AND %D

ICAL = INITIAL CALIBRATION = %RSD	SDG 20865	SDG 20873	SDG 20900	SDG 20917
CCAL = CONTINUING CALIBRATION = %D	**CCAL1**	**CCAL1**	**CCAL1**	**CCAL1**
DATE	022692	022692	022692	022692
INSTRUMENT ID				
CALIBRATION CRITERIA	%D	%D	%D	%D
SULFOTEPP	-16	-16	-16	-16

SDG 20865
CCAL1: No effect on sample results
SDG 20873
CCAL1: No effect on sample results
SDG 20900
CCAL1: No effect on sample results
SDG 20917
CCAL1: No effect on sample results

ICAL = INITIAL CALIBRATION = %RSD	SDG 20940	SDG 21012	SDG 20985	SDG 20997
CCAL = CONTINUING CALIBRATION = %D	**CCAL1**	**CCAL1**	**CCAL1**	**CCAL1**
DATE	022692	031892	022692	022692
INSTRUMENT ID				
CALIBRATION CRITERIA	%D	%D	%D	%D
SULFOTEPP	-16		-16	-16
DISULFOTON		16		

SDG 20940
CCAL1: No effect on sample results
SDG 21012
CCAL1: KBA-16-4, BS11ER
SDG 20985
CCAL1: No effect on sample results
SDG 20997
CCAL1: No effect on sample results

DIOXIN/FURANS - TABLE 1.3.6

INITIAL AND CONTINUING CALIBRATION - %RSD AND %D

ICAL = INITIAL CALIBRATION = %RSD	SDG 20865	SDG 208	SDG 20873
CCAL = CONTINUING CALIBRATION = %D	CCAL1	CCAL1	CCAL1
DATE	021792	021792	021792
INSTRUMENT ID			
CALIBRATION CRITERIA	%D	%D	%D
OCDF	32.8	32.8	32.8

20865: NONE ASSOCIATED
20867: KB11SB010301
20873: NONE ASSOCIATED

GC VOLATILE ORGANIC COMPOUNDS - TABLE 1.3.7
INITIAL AND CONTINUING CALIBRATION - %RSD AND %D

ICAL = INITIAL CALIBRATION = %RSD	SDG 22711	
CCAL = CONTINUING CALIBRATION = %D	**ICAL**	**CAL250**
DATE	091492	091792
INSTRUMENT ID		
CALIBRATION CRITERIA	%RSD	%D
CHLOROMETHANE		42

SDG 22711: KBA-11-8, KBA-11-1, BS-22-ER, KBA-11-2, KBA-11-3, KBA-11-2D, BT-22-FB, BS-09-FB

Appendix M

Private Irrigation Well Survey Results

CROOKED RIVER PLANTATION SUBDIVISION - PRIVATE IRRIGATION WELL SAMPLING INFORMATION
NSB KINGS BAY - ICM SCREENING INVESTIGATION

Name	Sample ID	Address	Date	Time	Usage Info	On-Site Analysis	Off-Site Analysis	Consent Form?
Mr. Gregory L. Alderman		2907 Plantation Drive St. Marys, GA 31558 673-6552						
Mr. LeRoy Arreguin		212 Plantation Circle St. Marys, GA 31558 673-7463						
Mr. John Avril	PW20	105 Cherry Point Drive St. Marys, GA 31558 882-7633	10/30/92	0828	A/D	Y	N	Y
Ms. Donna J. Bailey	PW11	203 Plantation Ct. St. Marys, GA 31558 673-7189 - 673-1803	10/29/92	1003	A	Y	N	Y
Mr. Carl R. Barnhardt	PW17	216 Plantation Court St. Marys, GA 31558 882-2284 - 673-3983	10/29/92	1610	A/B/G	Y	Y	Y
Mr. Roger Battles		408 Plantation Court St. Marys, GA 31558						
Mr. Norman R. Bosworth		307 Pinedale Drive St. Marys, GA 31558 882-7442						
Mr. William R. Burns	PW15	100 Bellvue Ct. St. Marys, GA 31558 882-3763	10/29/92	1435	A/B/C	Y	N	Y
Mr. Nick Burnworth	PW28	215 Plantation Circle St. Marys, GA 31558 882-3225 - 673-3503	10/30/92	1641	A	Y	N	Y
Mr. Terry Byerly	PW62	206 Sunnyside Drive St. Marys, GA 31558 673-7861	1/13/93	1736	A/B	Y	N	Y

See notes at end of table.

CROOKED RIVER PLANTATION SUBDIVISION - PRIVATE IRRIGATION WELL SAMPLING INFORMATION
NSB KINGS BAY - ICM SCREENING INVESTIGATION

Name	Sample ID	Address	Date	Time	Usage Info	On-Site Analysis	Off-Site Analysis	Consent Form?
Mr. Aurelio Cadena	PW27	2905 Plantation Drive St. Marys, GA 31558 673-7409 (share well on Alderman property)	10/30/92	1608	A	Y	N	Y
Mr. Norberto Caez	PW44	105 Sunnyside Lane St. Marys, GA 31558 673-6085	11/3/92	1348	A/B	Y	N	Y
Mr. David L. Campbell		132 Cambray Circle St. Marys, GA 31558 882-2752						
Mr. Bill Carlson	PW18	313 Sunnyside Drive St. Marys, GA 31558	10/29/92	1655		Y	N	Y
Dr. Anna Castro Renter	PW53	114 Cambray Circle St. Marys, GA 31558	1/12/93	1055		Y	N	
Mr. Walter Closius	PW4	215 Plantation Court St. Marys, GA 31558	10/28/92	1005	A/B	Y	Y	Y
Mr. Robert F. Conley	PW2	208 Plantation Court St. Marys, GA 31558 882-3995	10/28/92	0905	A	Y	Y	Y
Ms. Renee Cribbins		402 Sunnyside Drive St. Marys, GA 31558 673-6177			A/B/C			Y
Mr. Dennis Dammann	PW22	209 Cottage Court St. Marys, GA 31558 882-0523	10/30/92	1040	A/B/C	Y	Y	Y
Mr. Jim Dargan	PW33	2705 Plantation Drive St. Marys GA 31558 882-9376	11/2/92	0922	A/C	Y	Y	Y
Mr. Alberto Del Valle	PW16	107 Bellvue Court St. Marys, GA 31558 882-2932	10/29/92	1500	A/B/C	Y	N	Y

See notes at end of table.

CROOKED RIVER PLANTATION SUBDIVISION - PRIVATE IRRIGATION WELL SAMPLING INFORMATION
NSB KINGS BAY - ICM SCREENING INVESTIGATION

Name	Sample ID	Address	Date	Time	Usage Info	On-Site Analysis	Off-Site Analysis	Consent Form?
Mr. Steven Dobbs	PW32	112 Cambray Circle St. Marys, GA 31558 882-5466	11/2/92	0818	A	Y	Y	Y
Mr. Dwight Donald		113 Pinedale Street St. Marys, GA 31558 882-7882 (unable to contact)			A			Y
Ms. Debra E. Dornes		204 Woodlawn Drive St. Marys, GA 31558 882-2773						
Mr. Joseph M. Drury	PW52	204 Cottage Court St. Marys, GA 31558 882-4741	1/12/93	0927	A	N	Y	Y
Mr. Stara DeGeorge		423 Sunnyside Drive St. Marys, GA 31558 882-0720						
Mr. Donald K. Eels	PW5	206 Plantation Court St. Marys, GA 31558 882-4175	10/28/92	1035	A/B/C	Y	Y	Y
HTCM David L. Favreau		2704 Plantation Drive St. Marys, GA 31558 882-4898						
Mr. Mario A. Flores	PW34	303 Sunnyside Drive St. Marys, GA 31558 882-7442	11/2/92	1050	A/B/C	Y	N	Y
Mr. Ed Funston		125 Cambray Circle St. Marys, GA 31558 882-3004			A/B/D			Y
Mr. Melvin E. Garman	PW26	205 Cottage Court St. Marys, GA 31558 882-4325 - 673-3738	10/30/92	1543	A/B	Y	Y	Y

See notes at end of table.

CROOKED RIVER PLANTATION SUBDIVISION - PRIVATE IRRIGATION WELL SAMPLING INFORMATION
NSB KINGS BAY - ICM SCREENING INVESTIGATION

Name	Sample ID	Address	Date	Time	Usage Info	On-Site Analysis	Off-Site Analysis	Consent Form?
Mr. Rodney Gibbens	PW58	301 Cherry Point St. Marys, GA 31558 882-3149	1/12/93	1625	A/B	Y	N	Y
CDR Richard Gilboy	PW8	130 Cambray Circle St. Marys, GA 31558 882-3587 - 673-4969	10/28/92	1340	A/B	Y	N	Y
Mr. Rick Grim		112 Bellvue Court St. Marys, GA 31558 882-6752						
Mr. Ray Grover		314 Fairfield Drive St. Marys, GA 31558 882-5995						
LCDR Danny O Gunter		2800 Plantation Drive St. Marys, GA 31558 882-7224						
Mr. David E. Haight	PW51	400 Pinedale Court St. Marys, GA 31558 882-4320	11/4/92	1059	A/B/C	Y	Y	Y
Ms. Janet Harris	PW47	222 Plantation Court St. Marys, GA 31558 882-3515	11/3/92	1554	A	Y	Y	Y
Mr. Oliver G. Hebert	PW37	308 Fairfield Drive St. Marys, GA 31558 882-5862	11/2/92	1340	A/B	Y	N	Y
Mr. M. L. Hickox	PW40	100 Woodlawn Drive St. Marys, GA 31558 882-4127	11/3/92	0818	A/B/C/F	Y	N	Y
Ms. Sue Holdridge		110 Bellvue Court St. Marys, GA 31558 882-2123						

See notes at end of table.

CROOKED RIVER PLANTATION SUBDIVISION - PRIVATE IRRIGATION WELL SAMPLING INFORMATION
NSB KINGS BAY - ICM SCREENING INVESTIGATION

Name	Sample ID	Address	Date	Time	Usage Info	On-Site Analysis	Off-Site Analysis	Consent Form?
Mr. Richard Holmes		600 Westgate Circle St. Marys, GA 31558 882-1856 (no 600 shown on base map)						
Mr. Richard W. Hood	PW43	214 Plantation Ct. St. Marys, GA 31558 882-7692 - 882-7456	11/3/92	1145	A	Y	Y	Y
Mr. Leland Ingraham		606 Greenfield Lane St. Marys, GA 31558 882-9102						
Mr. Gregory R. Jackson	PW45	306 Pinedale Street St. Marys, GA 31558 882-8773	11/3/92	1417	A/E/F	Y	Y	Y
Mr. Ron Jalbert	PW23	2903 Plantation Drive St. Marys, GA 31558 673-7019	10/30/92	1113	A	Y	N	Y
Mr. Rick M. Jones	PW30	115 Cambray Circle St. Marys, GA 31558 673-7566 - 673-2331 (w)	11/1/92	1235	A	Y	N	Y
Mr. Jerry D. Keeling	PW60	300 Fairfield Drive St. Marys, GA 31558 673-7173	1/13/93	0840	A	Y	N	Y
LCDR Thomas E. Keenan Renter		412 Pinedale Court St. Marys, GA 31558 673-2964 Property Owner Unknown						Y
Mr. Richard C. King	PW48	210 Plantation Ct. St. Marys, GA 31558 673-7285	11/3/92	1646	A/B/C	Y	Y	Y
Ms. Evelyn Kuiper		136 Cambray Circle St. Marys, GA 31558 673-6812						

See notes at end of table.

CROOKED RIVER PLANTATION SUBDIVISION - PRIVATE IRRIGATION WELL SAMPLING INFORMATION
NSB KINGS BAY - ICM SCREENING INVESTIGATION

Name	Sample ID	Address	Date	Time	Usage Info	On-Site Analysis	Off-Site Analysis	Consent Form?
D.M. Lanier Dorine Favara	PW31	406 Elbow Lane St. Marys, GA 31558 673-7895 - 673-3661	11/1/92	1430	A/B/C/E	Y	N	Y
Mr. Steven Lightner		606 Gate Lane St. Marys, GA 31558 673-7881						
Mr. Charles Linton	PW3	218 Plantation Court St. Marys, GA 31558 673-7941	10/28/92	0935	A	Y	Y	Y
Mr. Dennis Magarrell		2913 Plantation Drive St. Marys, GA 31558 673-6346 (pump broke)			A/B			Y
Ms. Mary Marinello	PW41	207 Cottage Court St. Marys, GA 31558 882-8744	11/3/92	1000		Y	Y	Y
Mr. Scott Martin		411 Pinedale Court St. Marys, GA 31558						
Mr. Ben Maschan		409 Pinedale Ct St. Marys, GA 31558 673-6874						
Mr. Richard Miller	PW9	610 Gate Lane St. Marys, GA 31558 882-3081	10/28/92	1450	A	Y	Y	Y
Mr. Paul Minckler		206 Plantation Circle St. Marys, GA 31558 882-5746						
Mr. Rodney Morris		506 Sunnyside Ct St. Marys, GA 31558 673-1633						
Mr. Bill Morton		100 Pinedale Street St. Marys, GA 31558						

See notes at end of table.

CROOKED RIVER PLANTATION SUBDIVISION - PRIVATE IRRIGATION WELL SAMPLING INFORMATION
NSB KINGS BAY - ICM SCREENING INVESTIGATION

Name	Sample ID	Address	Date	Time	Usage Info	On-Site Analysis	Off-Site Analysis	Consent Form?
Lt Terry S. McCoy		128 Cambray Circle St. Marys, GA 31558 882-1139						
J. Neal/L. Hancock	PW1	2706 Plantation Drive St. Marys, GA 31558	10/28/92	0830		Y	Y	
Mr. Joseph S. Norrell		2700 Plantation Drive St. Marys, GA 31558 673-6761						
Mr. James Parker		504 Sunnyside Ct St. Marys, GA 31558 673-7828 (stopped by - couldn't contact)						Y
Mr. Pat Parker	PW14	122 Cambray Circle St. Marys, GA 31558 673-6887 - 673-3801	10/29/92	1345	A	Y	N	Y
Mr. Patrick J. Perkins Renter	PW59	314 Sunnyside Drive St. Marys, GA 31558 882-3274 Property Owner Unknown	1/12/93	1702	A/B/C	Y	N	Y
Mr. Timothy B. Peters	PW38	102 Pinedale Street St. Marys, GA 31558 882-7721	11/2/92	1405	A/B/C	Y	N	Y
Delma & Steve Posey Renter	PW50	512 Sunnyside Ct St. Marys, GA 31558 882-2288 Robert M. Michael Property Owner	11/4/92	0911	A/B/E	Y	Y	Y
Mr. Zackery Rodehaver	PW56	106 Cherry Point Drive St. Marys, GA 31558 882-6658	1/12/93	1420	A/B/C/E	Y	N	Y
Mr. Charles Rogers	PW54	213 Plantation Court St. Marys, GA 31558 882-4015 - 673-3810	1/12/93	1130	A	Y	N	Y

See notes at end of table.

CROOKED RIVER PLANTATION SUBDIVISION - PRIVATE IRRIGATION WELL SAMPLING INFORMATION
NSB KINGS BAY - ICM SCREENING INVESTIGATION

Name	Sample ID	Address	Date	Time	Usage Info	On-Site Analysis	Off-Site Analysis	Consent Form?
Mr. Jeff Rotz	PW19	113 Bellvue Ct St. Marys, GA 31558 673-6817	10/30/92	0805	A	Y	N	Y
Mr. Rodney D. Russell	PW61	309 Woodlawn Drive St. Marys, GA 31558 882-2213	1/13/93	1152	A	Y	N	Y
Mr. Mark H. Scott	PW24	2904 Plantation Drive St. Marys, GA 31558 882-7723	10/30/92	1340	A	Y	N	Y
Mr. Skiba	PW10	2901 Plantation Drive St. Marys, GA 31558 412-725-1000	10/29/92	0935	A	Y	N	Y
Mr. Gary L. Snodgrass		2911 Plantation Drive St. Marys, GA 31558 882-1897 (share well on Magarrell property)						
Mr. James W. Sparks		209 Cherry Point Road St. Marys, GA 31558						
Mr. Mark F. Strawn		116 Cambray Circle St. Marys, GA 31558 673-6979						
Mr. Kevin Sullivan	PW35	407 Pinedale Court St. Marys, GA 31558 882-4029	11/2/92	1150	A	Y	N	Y
Mr. Kenneth Tanner	PW49	408 Cherry Point Ct St. Marys, GA 31558 882-9151	11/4/92	0844	A/B/C	Y	N	Y
Mr. William Thompson	PW39	704 Arbor Place St. Marys, GA 31558 882-2291	11/2/92	1630	A/B	Y	Y	Y

See notes at end of table.

CROOKED RIVER PLANTATION SUBDIVISION - PRIVATE IRRIGATION WELL SAMPLING INFORMATION
NSB KINGS BAY - ICM SCREENING INVESTIGATION

Name	Sample ID	Address	Date	Time	Usage Info	On-Site Analysis	Off-Site Analysis	Consent Form?
Mr. Monty W. Thrasher	PW42	217 Plantation Court St. Marys, GA 31558 882-2317	11/3/92	1042		Y	Y	
Ms. Nilda Uriarte-Vazquez Jaun Vazquez	PW36 PW57	310 Fairfield Drive St. Marys, GA 31558 882-4173	11/2/92 1/12/93	1320 1447	A	Y Y	N N	Y
L.W. Wallace	PW7 PW55	204 Plantation Court St. Marys, GA 31558 882-7887	10/28/92 1/12/93	1300 1158	A/B	Y Y	N N	Y
Mr. Leonard Warren	PW13	110 Cambray Circle St. Marys, GA 31558 673-7842	10/29/92	1115	A	Y	N	Y
Mr. Paul Weaver	PW46	803 Arbor Place St. Marys, GA 31558 882-2842	11/3/92	1513	A/B	Y	Y	Y
Mr. William A. Whitehouse		109 Pinedale Drive St. Marys, GA 31558 882-1231						
Mr. Ken Wilkes		304 Sunnyside Drive St. Marys, GA 31558 673-7224						
Mr. David J. Williams		300 Sunnyside Drive St. Marys, GA 31558 673-3454						
Mr. Jack Williams		210 Cottage Court St. Mary's, GA 31558						
Ms. Janet Williams	PW25	201 Cottage Ct St. Marys, GA 31558 882-2272	10/30/92	1410	A	Y	N	Y
SKCM David E. Willis	PW6	223 Plantation Court St. Marys, GA 31558 673-2090 882-7656	10/28/92	1232	A/B	Y	Y	Y

See notes at end of table.

CROOKED RIVER PLANTATION SUBDIVISION - PRIVATE IRRIGATION WELL SAMPLING INFORMATION
NSB KINGS BAY - ICM SCREENING INVESTIGATION

Name	Sample ID	Address	Date	Time	Usage Info	On-Site Analysis	Off-Site Analysis	Consent Form?
Mr. Ronald Winder	PW21	204 Gatehouse Drive St. Marys, GA 31558 673-7988	10/30/92	0902	A	Y	Y	Y
Mr. C.S. Wunsch	PW12	105 Cambray Circle St. Marys, GA 31558 673-6548	10/29/92	1038	A/E	Y	N	Y
Mr. Thomas E. Yarborough	PW29	703 Arbor Place St. Marys, GA 31558 673-6896	11/1/92	1028	A/C/E	Y	Y	Y

Notes:

A = Lawn
B = Garden
C = Wash Outdoor Items
D = Child's Pool and/or Play Activity
E = Adult Pool
F = Pet's Drinking Supply
G = Pesticide Application

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 3 YRS
   Do you own the house or rent it? OWN
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? YES
   (Any water source other than a metered, public water supply).

3. What kind of well is it? 20' SHALLOW, REAR OF HOUSE, IMP
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? YES
   When? 2 YEARS AGO

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☒ Lawn Watering	3	LATE AFTERNOON
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? NO

   For what kind of activities?

7. Do you have a sprinkler system? YES How many sprinkler heads? 15
   What type and number of spigots do you have on each system? NONE
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Signature

Richard Miller

610 GATE LN
Address

882-3081
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 3 years
   Do you own the house or rent it? own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it? [illegible]
   Please describe it as best you can. (Location in yard, depth, type of pump).
   [illegible]

4. Do you know who installed your well? [illegible]
   When? [illegible]

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☑ Garden Watering		
☑ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? yes
   For what kind of activities? watering yard & garden

7. Do you have a sprinkler system? NO How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

_____
Signature

_____
Address

_____
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? since Jan 1992
   Do you own the house or rent it?
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? Yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it? shallow, ?
   Please describe it as best you can. (Location in yard, depth, type of pump).
   backyard, don't know depth, flexen pump;

4. Do you know who installed your well? no
   When?
   The pump is currently not operational - broken seal. It's been that way since June 1992

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☑ Garden Watering	2x	evening
☑ Lawn Watering	only once - after applying pesticide - evening	
☐ Drinking Water for Adults, Children, Animals		
☑ Washing Cars and Yard Items	3 to 4	early evening, saturday
☐ Other, please specify: _____		

6. Do you use a hose with your private well water? yes

   For what kind of activities? above

7. Do you have a sprinkler system? no How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Renee Collins
Signature

402 Sunny Side Dr.
Address

673-6177
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 5 1/2 yrs
   Do you own the house or rent it? Own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it? Shallow well
   Please describe it as best you can. (Location in yard, depth, type of pump).
   Located in back yard left of swimming pool. Depth Approx 30 ft.

4. Do you know who installed your well? yes (ourselves)
   When? 5 yrs ago

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☒ Lawn Watering	2	After 4:30
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? yes

   For what kind of activities? Areas not reached with sprinkle system

7. Do you have a sprinkler system? yes How many sprinkler heads? 9
   What type and number of spigots do you have on each system? 2
   What are their positions in the yard? one on pump + one in front yard

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Patricia M. Nimald
Signature

113 Pinedale St
Address

882-6584
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 2 yrs.
   Do you own the house or rent it? Own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it? Shallow, west side of house, 30', 1/2 horse pump
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? yes
   When? Oct 1990

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☒ Lawn Watering	3-4	morning & evening
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? No

   For what kind of activities?

7. Do you have a sprinkler system? yes How many sprinkler heads? 21
   What type and number of spigots do you have on each system? None
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Joseph M Drury
Signature

204 Cottage Ct., St Marys, Ga. 31558
Address

882-4741
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home?
   Do you own the house or rent it?
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well?
   (Any water source other than a metered, public water supply).

3. What kind of well is it?
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well?
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☒ Garden Watering	3	Early Morning
☒ Lawn Watering	3	Early Morning
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☒ Other, please specify: Play Pool	2	Various

6. Do you use a hose with your private well water? yes
   For what kind of activities? play pool

7. Do you have a sprinkler system? yes How many sprinkler heads? 15
   What type and number of spigots do you have on each system? 4
   What are their positions in the yard? Corners

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Gloria Winston
Signature

125 Cambray Cr.
Address

882-5871
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 4 years
   Do you own the house or rent it? own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it? SHALLOW SPRINKLER, REAR OF YARD, 25' DEEP
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? Self
   When? 1989

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☑ Garden Watering	5	AM + PM
☑ Lawn Watering	2	AM
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? NO

   For what kind of activities?

7. Do you have a sprinkler system? yes How many sprinkler heads? 12
   What type and number of spigots do you have on each system?
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Rodney J Sibbens
Signature

301 CHERRY PT
Address

882 3149
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? ≈ 1.5 years
   Do you own the house or rent it? Own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? Yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it? Sho
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? Former Owner
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☒ Lawn Watering	Once/Twice May	Evening
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? No

   For what kind of activities?

7. Do you have a sprinkler system? Yes How many sprinkler heads? 215
   What type and number of spigots do you have on each system? Rainbird
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Jerry W Keeling
Signature

300 Fairfield Drive
Address

673-7173
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home?
   Do you own the house or rent it?
   If rented, who owns the house?
   ~~Their~~ mailing address?

   Rented home
   please contact
   C-21 The City Realty
   St. Marys, GA 31558
   ph 882-4421

2. Do you have a private well? Yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it?
   Please describe it as best you can. (Location in yard, depth, type of pump).

   I do not know
   the owner's name
   & address

4. Do you know who installed your well? NO
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water?

   For what kind of activities?

7. Do you have a sprinkler system? Yes How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Thomas E. Keenan
Signature

42 Pineville Ct. Crooked River Plantation
Address

Work - 673-2920
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Sorry the form was not returned sooner, but I was on leave.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 3½ yrs.
   Do you own the house or rent it? Own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it?
   Please describe it as best you can. (Location in yard, depth, type of pump).
   It's located on the side of our house about 15-20 ft away from house side. The pump is 1½ hp water ace sprinkler pump. The pump is shared with our neighbors.

4. Do you know who installed your well? yes - we did.
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☑ Garden Watering	when needed up to 2-3 x a wk	Early A.M.
☑ Lawn Watering	when needed up to 2x-3x a wk	Early A.M.
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? no

   For what kind of activities?

7. Do you have a sprinkler system? yes How many sprinkler heads? 17
   What type and number of spigots do you have on each system? ?
   What are their positions in the yard?
   They cover our entire front, side and back yard including a small garden area

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Mrs Debbie Magarell

Signature

2913 Plantation Dr. St Marys

Address

673-6346

Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home?
   Do you own the house or rent it?
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well?
   (Any water source other than a metered, public water supply).

3. What kind of well is it?
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well?
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering	3	
☐ Lawn Watering	3	
☐ Drinking Water for Adults, Children, Animals		
☑ Washing Cars and Yard Items	1	
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water?

   For what kind of activities?

7. Do you have a sprinkler system? _____ How many sprinkler heads? _____
   What type and number of spigots do you have on each system? _____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

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2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Signature

Address

Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

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Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 4 1/2 yrs
   Do you own the house or rent it? own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it? shallow well
   Please describe it as best you can. (Location in yard, depth, type of pump).
   close to house. one point 20' deep.

4. Do you know who installed your well? self
   When? 24 yrs ago.

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☑ Filling Swimming Pool	2 to 3	AM and PM
☑ Garden Watering	2	Evenings
☑ Lawn Watering	same	same
☐ Drinking Water for Adults, Children, Animals		
☑ Washing Cars and Yard Items	1	afternoons
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? yes

   For what kind of activities?

7. Do you have a sprinkler system? no How many sprinkler heads? —
   What type and number of spigots do you have on each system? —
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Pamela C Rodehauer
Signature

106 Cherry Point Dr.
Address

882-6658
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 4 YRS
   Do you own the house or rent it? OWN
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? YES
   (Any water source other than a metered, public water supply).

3. What kind of well is it? BACK YARD, 20 FOOT, 1 1/2 HP
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? ME
   When? 1990

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☑ Lawn Watering	4-6	1700 - 1900
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? YES

   For what kind of activities? WASH PATIO

7. Do you have a sprinkler system? YES How many sprinkler heads? 12
   What type and number of spigots do you have on each system? PVC 3 VALVES
   What are their positions in the yard? BACK YARD/ALONGSIDE PUMP.

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Signature

213 Plantation Court
Address

882-4015
Phone
Work 673-3810

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 2 years 7 months
   Do you own the house or rent it? own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it? shallow Ground water
   Please describe it as best you can. (Location in yard, depth, type of pump).
   Back yard, 24 ft. suction

4. Do you know who installed your well? yes
   When? July 1990

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☒ Lawn Watering	Approx. 2	normally 12-6 pm
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? yes

   For what kind of activities? watering lawn

7. Do you have a sprinkler system? yes How many sprinkler heads? 14
   What type and number of spigots do you have on each system? 1 Hose Type
   What are their positions in the yard? Backyard By Pool

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

RUSSELL

Signature

309 Woodlawn Dr

Address

882-2213

Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 3 MONTHS
   Do you own the house or rent it? OWN
   If rented, who owns the house? —
   Their mailing address? —

2. Do you have a private well? YES
   (Any water source other than a metered, public water supply).

3. What kind of well is it?
   Please describe it as best you can. (Location in yard, depth, type of pump). SHALLOW 18 FT W
   LOCATED IN THE BACK GARDEN - YAR
   SEARS PUMP

4. Do you know who installed your well? PREVIOUS OWNER
   When? 2 YEARS APPROX.

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☒ Lawn Watering	14 - TWICE DAILY	1100 AND 1630
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? NO

   For what kind of activities?

7. Do you have a sprinkler system? YES How many sprinkler heads? _____
   What type and number of spigots do you have on each system? _____
   What are their positions in the yard? VARIOUS 4 ZONES -
   8 IN FRONT YARD - 12 IN BACKYARD

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Janice Sullivan
Signature

407 PINEDALE CT
Address

882-4029
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

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Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 3 years
   Do you own the house or rent it? own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it? Shallow
   Please describe it as best you can. (Location in yard, depth, type of pump). Electrical [illegible]
   60 ft from house - 11 E Carrier - 25 ft deep

4. Do you know who installed your well? Ace Hardware
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☑ Garden Watering	Every other day	5 PM
☑ Lawn Watering	Every other day	5 PM
☑ Drinking Water for Adults, Children, Animals		
☑ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? Yes
   For what kind of activities?
   washing Cars, Cleaning Yard items

7. Do you have a sprinkler system? Yes How many sprinkler heads? 35
   What type and number of spigots do you have on each system? 0
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

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3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

_____
Signature

_____
Address

_____
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

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Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 3 yrs
   Do you own the house or rent it? own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it?
   Please describe it as best you can. (Location in yard, depth, type of pump).
   shallow, side of the house ≅ 40'

4. Do you know who installed your well? yes
   When? April 91

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☑ Garden Watering	3	0600
☑ Lawn Watering	3	0600
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? NO

   For what kind of activities?

7. Do you have a sprinkler system? yes How many sprinkler heads? 18
   What type and number of spigots do you have on each system? 2 - pop-ups
   What are their positions in the yard? away towards the [illegible]

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Signature

105 Sunnyside Ln St. Mary's, GA 31558

Address

(912) 673-6085

Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? Since 7/27/92
   Do you own the house or rent it? [redacted] Own (buying from father-in-law)
   If rented, who owns the house? [redacted]
   Their mailing address?

2. Do you have a private well? NO
   (Any water source other than a metered, public water supply).

3. What kind of well is it? N/A
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? N/A
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? N/A

   For what kind of activities?

7. Do you have a sprinkler system? N/A How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Elena D. Martinez
Signature

508 Sunnyside Dr.
Address

882-5470
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 3 years +
   Do you own the house or rent it? own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it? Hand Drilled - 20 FT sand point well
   Please describe it as best you can. (Location in yard, depth, type of pump).
   Behind house for lawn watering. Never hooked up a pump. Been capped since drilling.

4. Do you know who installed your well?
   When? I did, 3 years ago

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☒ Other, please specify: Never Been used		

6. Do you use a hose with your private well water?

   For what kind of activities? NO

7. Do you have a sprinkler system? NO How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

James Pahr
Signature

504 Sunnyside Court
Address

912-673-7828
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 3½ yrs
   Do you own the house or rent it? We own it + rent it out
   If rented, who owns the house?
   Their mailing address? MARK J. Schwaiger
   3200 Grey Fox Ct.
   Chesapeake VA 23323

2. Do you have a private well? yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it?
   Please describe it as best you can. (Location in yard, depth, type of pump).
   Behind H/C Pump, depth 20 ft (approx) standard 3/4 HP Pump.

4. Do you know who installed your well? I did.
   When? 1991

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool	~~0~~	~~0~~
☑ Garden Watering	2	5-7pm
☑ Lawn Watering	2	5-7pm
☐ Drinking Water for Adults, Children, Animals	~~0~~	~~0~~
☐ Washing Cars and Yard Items		
☐ Other, please specify:		

6. Do you use a hose with your private well water? yes sometimes
   For what kind of activities? Watering plants

7. Do you have a sprinkler system? yes How many sprinkler heads? 16
   What type and number of spigots do you have on each system? 1 pulsator 1 solid stream
   Interest misters
   What are their positions in the yard?
   1 1g center front
   1 1g center back
   [illegible] Perimeter

BILL CARLSON - 313 Sunnyside Dr -

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

We do want to be notified of your findings.

Mark J. Schwager
Signature

for 313 Sunnyside Dr.
St Marys Ga 31558
Address

New address:
3200 Grey Fox Ct.
Chesapeake, VA 23323

(804) 485 4857
Phone

* Our home is managed through Magnolia Realty 6737373 c/o Sheila Meadows
* Please contact her to advise the renters when you are samplin the water. Pump switch in garage.

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 3 1/2 yrs
   Do you own the house or rent it? own.
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it? Lawn/Garden well. 1 1/2 hp pump. with two well tips. Depth on each Tip is 20' + they are aprox. 12' apart.
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? yes. I did.
   When? ~~Mar~~ June 1989.

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Well water has not been use since notice went out to s usage.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☑ Garden Watering	3	once
☑ Lawn Watering	3	once
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☑ Other, please specify: Washing Sidewalks + driveway	once	once

6. Do you use a hose with your private well water? yes.
   For what kind of activities? watering Lawn + Garden. A spigot.

7. Do you have a sprinkler system? NO How many sprinkler heads? N/A.
   What type and number of spigots do you have on each system? (2) Gate valves +
   What are their positions in the yard? one Regular Hose Spigot.

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Mari R Flors
Signature

303 Sunnyside DR.
Address
ST. Marys, Ga. 31558.

912-882-7441
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 5 years
   Do you own the house or rent it? own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? Yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it? Shallow - dug point
   Please describe it as best you can. (Location in yard, depth, type of pump).
   Location back of det. building. Hand.

4. Do you know who installed your well? We did.
   When? 5 4 years old

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool	N/A	N/A
☒ Garden Watering	7	5 am to 6 am
☒ Lawn Watering	1	[illegible]
☐ Drinking Water for Adults, Children, Animals	N/A	N/A
☒ Washing Cars and Yard Items	occasionally	
☐ Other, please specify:		

6. Do you use a hose with your private well water? Yes
   For what kind of activities? everything

7. Do you have a sprinkler system? Yes How many sprinkler heads? 3
   What type and number of spigots do you have on each system? spigot spigot
   What are their positions in the yard? Pump in an water shed with 2 spigots coming off piping coming out of the shed.

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Signature

Address

Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 5 YRS
   Do you own the house or rent it? OWN
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? YES
   (Any water source other than a metered, public water supply).

3. What kind of well is it? SURFACE
   Please describe it as best you can. (Location in yard, depth, type of pump).
   LEFT SIDE OF HOUSE / SHALLOW DEPTH / ELECTRIC PUMP

4. Do you know who installed your well? ME
   When? 4 YRS.

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☒ Garden Watering	3	VARIOUS
☒ Lawn Watering	3	"
☐ Drinking Water for Adults, Children, Animals		
☒ Washing Cars and Yard Items	1	"
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? YES

   For what kind of activities?

7. Do you have a sprinkler system? NO How many sprinkler heads? _____
   What type and number of spigots do you have on each system? 2
   What are their positions in the yard? ON THE PUMP

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

David E. Hayes
Signature

400 PINEOAKE CT.
ST. MARY'S, GA. 31558
Address

(912) 882-4320
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 6 years
   Do you own the house or rent it? Own
   If rented, who owns the house? —
   Their mailing address? —

2. Do you have a private well? YES
   (Any water source other than a metered, public water supply).

3. What kind of well is it? 91', 1½ HP, Right Side of House
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? YES
   When? 4 years

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☒ Filling Swimming Pool	2	Am
☐ Garden Watering		
☒ Lawn Watering	2	Am
☒ Drinking Water for Adults, Children, Animals	7	Am
☒ Washing Cars and Yard Items	1	—
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? ~~YES~~

   For what kind of activities?

7. Do you have a sprinkler system? YES How many sprinkler heads? 16
   What type and number of spigots do you have on each system? —
   What are their positions in the yard? —

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Signature

326 Pinedale
Address

882-8773
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? [illegible]
   Do you own the house or rent it? [illegible]
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? YES
   (Any water source other than a metered, public water supply).

3. What kind of well is it? [illegible] WELL (2" CS) [illegible] HOUSE, [illegible] HP
   Please describe it as best you can. (Location in yard, depth, type of pump). CENTRIFUGAL PUMP

4. Do you know who installed your well? MYSELF
   When? SUMMER '70

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☑ Lawn Watering	2 TO 3	LATE EVENING
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? No

   For what kind of activities?

7. Do you have a sprinkler system? Yes How many sprinkler heads? 25
   What type and number of spigots do you have on each system? Pop ups 5, 2, 5, 3
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Signature
AURELIO CADENA

Address

Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 2½ years.
   Do you own the house or rent it? Own.
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? Yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it? 20' Shallow well with 3 well points, with a 2Hp pump. well points are @ 15 feet east of the NE corner of the house
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? self.
   When? May 91.

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☑ Lawn Watering	4 to 6	Afternoon
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? yes.
   For what kind of activities? watering backyard Lawn.

7. Do you have a sprinkler system? Yes How many sprinkler heads? 5
   What type and number of spigots do you have on each system? 1 at pump.
   What are their positions in the yard? 4 corners and center of Lawn ~~north~~ East of Driveway

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Signature
MARK SCOTT

2904 Plantation Dr.
Address

882-7723
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 5 yrs.
   Do you own the house or rent it? own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well?
   (Any water source other than a metered, public water supply).
   Yes

3. What kind of well is it?
   Please describe it as best you can. (Location in yard, depth, type of pump).
   Shallow well approx. 25 ft. deep
   ~~south~~ north side

4. Do you know who installed your well?
   When? personally installed
   summer 89

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☑ Lawn Watering	approx. 2	evening
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water?
   Yes
   For what kind of activities?
   lawn watering

7. Do you have a sprinkler system? No How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Ronald B Jalbert
Signature

2903 Plantation Dr.
Address

673-7019
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? - RENTAL PROPERTY : OWNED SINCE 1987
   Do you own the house or rent it?
   If rented, who owns the house? DON CURTIS
   Their mailing address? #202 THE BOULEVARD PT. MARION PA 15474

2. Do you have a private well? YES
   (Any water source other than a metered, public water supply).

3. What kind of well is it?
   Please describe it as best you can. (Location in yard, depth, type of pump).
   Shallow well approx 20' DEEP. LOCATED 30' FROM 1 HP WELL PUMP IN BACK YARD

4. Do you know who installed your well? SELF
   When? 1988

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☒ Lawn Watering	ONCE/WK SEASONAL	6:00 PM
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? YES

   For what kind of activities? WATERING SHRUBS & PLANTS

7. Do you have a sprinkler system? YES How many sprinkler heads? 36
   What type and number of spigots do you have on each system? N/A
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

SKIBA

Signature

NOTE: WELL POINTS ARE INACCESSIBLE FOR DIRECT SAMPLING. SAMPLES MAY BE TAKEN @ PUMP ONLY!

RENTAL PROPERTY

2901 PLANTATION DR.

Address

412-725-1000

Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 1 1/2 yrs
   Do you own the house or rent it? own
   If rented, who owns the house?
   Their mailing address?

   we planned on putting a well till we heard about this. we decided to wait for results. we also have heard there is a spring under our property

2. Do you have a private well? NO -
   (Any water source other than a metered, public water supply).

3. What kind of well is it?
   Please describe it as best you can. (Location in yard, depth, type of pump).

   we live on the corner of plantation DR & plantation Circle across from plantation Court

4. Do you know who installed your well?
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water?

   For what kind of activities?

7. Do you have a sprinkler system?_____How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Mildred C. Telford
Signature

2900 Plantation Dr.
Address

673-6073
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 3 months
   Do you own the house or rent it? Rent
   If rented, who owns the house? Larry Mayes
   Their mailing address? 2511 Londonderry Rd
   Alexandria, Va 22308

2. Do you have a private well? yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it? * We have sent a copy of this to Mr Mayes, so that he can answer the questions we can't.
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well?
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☑ Lawn Watering	2	Evening
☐ Drinking Water for Adults, Children, Animals		
☑ Washing Cars and Yard Items	PRN	
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? yes
   For what kind of activities? watering Lawn

7. Do you have a sprinkler system? → 4 hoses + sprinkler How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Judith M Dargan

Signature

Renter

2705 Plantation Dr

Address

882-9376

Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 9 mos
   Do you own the house or rent it?
   If rented, who owns the house? —
   Their mailing address? –

2. Do you have a private well?
   (Any water source other than a metered, public water supply).

3. What kind of well is it?
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well?
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water?

   For what kind of activities?

7. Do you have a sprinkler system? 10 How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

_____
Signature

_____
Address

_____
Phone

Pond

Trailer

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

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Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 5 yrs
   Do you own the house or rent it? Own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? Yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it? Shallow
   Please describe it as best you can. (Location in yard, depth, type of pump).
   At North end of House, Approx 20'

4. Do you know who installed your well? Self Installed
   When? 2 yrs

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		Early Late
☐ Garden Watering	3	AM/PM
☒ Lawn Watering	3	AM/PM
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water?

   For what kind of activities?

7. Do you have a sprinkler system?_____How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

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2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Signature

223 Plantation Ct

Address

673-2090
922-7656

Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home?
   Do you own the house or rent it?
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? YES
   (Any water source other than a metered, public water supply).

3. What kind of well is it? BACKYARD
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? NO
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☒ Lawn Watering	2	P.M
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? YES

   For what kind of activities? LAWN WATERING

7. Do you have a sprinkler system? NO How many sprinkler heads? —
   What type and number of spigots do you have on each system?
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

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3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Signature

222 PLANTATION CT

Address

882-3515

Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 1 yr.
   Do you own the house or rent it? OWN
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? YES
   (Any water source other than a metered, public water supply).

3. What kind of well is it? WELL POINT - 20 FT DEEP 2 WELL POINTS*
   Please describe it as best you can. (Location in yard, depth, type of pump). EAST side
   * APPROX. 10 FT APART - RUNNING N + S GENERAL ELECTRIC (WATER ACE 1 HP)

4. Do you know who installed your well? ~~Acq~~ previous owner
   When? NO

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☒ Lawn Watering	2 + 3	4 PM
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? YES

   For what kind of activities? LAWN Watering

7. Do you have a sprinkler system? NO How many sprinkler heads? —
   What type and number of spigots do you have on each system? —
   What are their positions in the yard? [illegible] WELL

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Charles E Pinto
Signature

918 PLANTATION COURT
Address

673-7941
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 4 yrs 3 months
   Do you own the house or rent it? yes
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it? well points - 1/2 hp power pump 3 heads 17 ft - x deep
   Please describe it as best you can. (Location in yard, depth, type of pump). on east side of

4. Do you know who installed your well? US
   When? 1989

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool	NONE	NONE
☑ Garden Watering	ONCE	Evening
☑ Lawn Watering	ONCE	Evening
☐ Drinking Water for Adults, Children, Animals	NONE	NONE
☐ Washing Cars and Yard Items	NONE	NONE
☐ Other, please specify: _____	NONE	NONE

6. Do you use a hose with your private well water? yes
   For what kind of activities? Bug spraying

7. Do you have a sprinkler system? yes How many sprinkler heads? about 17 heads
   What type and number of spigots do you have on each system? Rain Bird
   What are their positions in the yard? All over

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Connie J. Bauhardt
Signature

216 Plantation Ct.
Address

912-882-2284
Phone 673-3983

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 3 yrs
   Do you own the house or rent it? OWN
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? YES
   (Any water source other than a metered, public water supply).

3. What kind of well is it? 1 1/2 Hp. LOCATED in BACKYARD 20 ft Deep
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? Myself.
   When? 2 yrs AGO

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☑ Garden Watering	2-3 Times	Evenings
☑ Lawn Watering	5-6 Times	Evenings
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? YES

   For what kind of activities?
   GARDEN

7. Do you have a sprinkler system? YES How many sprinkler heads? 13
   What type and number of spigots do you have on each system? 2 Hose spigots
   What are their positions in the yard? on Pump.

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Walter P Closius

Signature

WALTER CLOSIUS

215

215 PLANTATION CT

Address

673-6121

Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 5 yrs
   Do you own the house or rent it? OWN
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? YES
   (Any water source other than a metered, public water supply).

3. What kind of well is it? SHALLOW 2 HOUR 20gpd.
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? I DID
   When? JAN 95

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☒ Lawn Watering	1	Mon a Eve.
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items	Rarely	
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? NO

   For what kind of activities?

7. Do you have a sprinkler system? YES How many sprinkler heads? 30
   What type and number of spigots do you have on each system? NONE
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

R.W. Hart
Signature

214 Pleasant Ct.
Address

912 882 7692
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 3 yrs
   Do you own the house or rent it? OWN
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? YES
   (Any water source other than a metered, public water supply).

3. What kind of well is it? SHALLOW WELL 20ft. - 3 yrs - 1hp lawn pump
   Please describe it as best you can. (Location in yard, depth, type of pump).
   located on side of house

4. Do you know who installed your well? I DID
   When? SPRING 88

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☒ Lawn Watering	average 1/week	early Evening
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? Sometimes
   For what kind of activities? watering barbes

7. Do you have a sprinkler system? YES How many sprinkler heads? 22
   What type and number of spigots do you have on each system? NONE
   What are their positions in the yard? N/A

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Richard W. Hood
Signature

214 PLANTATION CT.
Address
ST. MARYS

882-7692
Phone 882-7456 (W)

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

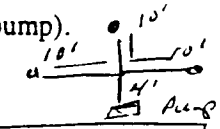
PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? Dec 87 — present
   Do you own the house or rent it? own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it? Water Ace 1.5 Horse Jet Pump Motor 3 20' well tips
   Please describe it as best you can. (Location in yard, depth, type of pump).
   10' from house T that connects to pump



4. Do you know who installed your well? yes Self
   When?
   Spring of 88

   Home

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☒ Garden Watering	3 – 5	1 / 3 / or 5 o'clock
☒ Lawn Watering	" "	" " " "
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☒ Other, please specify: Washing eves, gutters, Sidewalks & Driveways	twice a year once a month	Sat AM's Sat PM's

6. Do you use a hose with your private well water? Sometimes
   For what kind of activities? washing eves, gutters, sidewalks & driveways

7. Do you have a sprinkler system? yes How many sprinkler heads? 17
   What type and number of spigots do you have on each system? 2 spigots at pump
   What are their positions in the yard? left rear of house on left side

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property ~~and~~ to sample my well. No other rights granted. MKing

Richard King
Signature

210 Plantation Court
Address
St Marys GA 31558

673 7285
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 5 years
   Do you own the house or rent it? own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it? shallow
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? yes homeowner
   When? 1988

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☒ Lawn Watering	Twice	morning
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? very rarely

   For what kind of activities?

7. Do you have a sprinkler system? Yes How many sprinkler heads? 10
   What type and number of spigots do you have on each system? 2
   What are their positions in the yard? located at well

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

ROBERT F. CONLEY

Signature

208 Plantation Ct.

Address

912-882-3995

Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 20 months
   Do you own the house or rent it? own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well?
   (Any water source other than a metered, public water supply).

   Yes

3. What kind of well is it?
   Please describe it as best you can. (Location in yard, depth, type of pump).

   In backyard next to house, 25 feet (?), Electric (Sears)

4. Do you know who installed your well?
   When?

   No? Previous Owner

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☑ Garden Watering	3-4	AM - PM
☑ Lawn Watering	3-4	" "
☐ Drinking Water for Adults, Children, Animals		
☑ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? Yes

   For what kind of activities?

   Water for garden, Wash cars + driveway

7. Do you have a sprinkler system? Yes How many sprinkler heads? 17
   What type and number of spigots do you have on each system? hand valves, two
   What are their positions in the yard? on pump

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Alada S. Eile / Dick
Signature

206 Plantation Court
Address

882-4175
Phone

We will be out of town thru 10-18-92

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 2
   Do you own the house or rent it? OWN
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? YES
   (Any water source other than a metered, public water supply).

3. What kind of well is it? SHALLOW WELL
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well?
   When? I INSTALLED, 1989

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☒ Garden Watering	4 TO 5	EARLY MORNING
☒ Lawn Watering	4 TO 5	" "
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? NO

   For what kind of activities?

7. Do you have a sprinkler system? YES How many sprinkler heads? 27
   What type and number of spigots do you have on each system?
   What are their positions in the yard? COMPLETE BACK YARD COVERAGE, PARTIAL SIDE/FRONT

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Larry W Wallace
Signature

204 PLANTATION CT.
Address

882-7887
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 5 yrs
   Do you own the house or rent it? Own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it? Shallow well
   Please describe it as best you can. (Location in yard, depth, type of pump).
   It is located on the right side of the house.
   Depth is approx. 21-22 ft., water ace

4. Do you know who installed your well? Self
   When? 5 yrs ago

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☒ Lawn Watering	2 to 4	4 Between pm + 6pm
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? NO

   For what kind of activities?

7. Do you have a sprinkler system? yes How many sprinkler heads? 8 (7 can run at one time The other 1 runs out of time)
   What type and number of spigots do you have on each system? 2
   What are their positions in the yard? They are right at the well

M-95

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Donald Baker
Signature

203 Plantation Court
St Marys, GA 31558
Address

673-1803 - work
673-7189 - home
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 7-16-91
   Do you own the house or rent it? OWN
   If rented, who owns the house? N/A
   Their mailing address? N/A

2. Do you have a private well? YES 105 FOOT DEEP WELL
   (Any water source other than a metered, public water supply).

3. What kind of well is it? 105 FOOT DEEP WELL
   Please describe it as best you can. (Location in yard, depth, type of pump).
   LOCATED IN BACKYARD BESIDE MY SCREENED PORCH COVERED BY TIN PUMP BOX, DEPTH 105 FEET,

4. Do you know who installed your well? O'QUINN WELL DRILLING
   When? 4-92

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☒ Lawn Watering	5 (FIVE) WHEN DRY	1 (ONE)
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? NO

   For what kind of activities? NONE

7. Do you have a sprinkler system? YES How many sprinkler heads? 27
   What type and number of spigots do you have on each system? ONE MANUAL TURN ON
   What are their positions in the yard? LOCATED BESIDE OF PUMP COVERED BY TIN PUMP BOX,

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Nicky R Burnworth
Signature BURNWORTH

215 PLANTATION CIRCLE
Address

WORK 912-673-3503 0700-1530 MONDAY THR FRIDAY
Phone
HOME 912-882-3225

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? MICHAEL'S 18 months / POSEY'S 16 months
   Do you own the house or rent it? own / rent
   If rented, who owns the house? Robert & Mary Sue Michael
   Their mailing address? 975 N. River Oaks Ct St Marys GA 31558

2. Do you have a private well? YES
   (Any water source other than a metered, public water supply).

3. What kind of well is it? Shallow off southern corner of house in backyard
   Please describe it as best you can. (Location in yard, depth, type of pump).
   4-5 pellipoints 18 to 25 feet deep 1½ hp pump

4. Do you know who installed your well? Yes
   When? 1989

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☑ Filling Swimming Pool	less than 1 per month	late morning
☑ Garden Watering	1989-90 strawberries	since removed
☑ Lawn Watering	2 to 3 per week	various
☐ Drinking Water for Adults, Children, Animals	NEVER	
☐ Washing Cars and Yard Items	NO	
☐ Other, please specify: _____		

6. Do you use a hose with your private well water? rarely
   For what kind of activities? pool filling

7. Do you have a sprinkler system? YES How many sprinkler heads? 10-12
   What type and number of spigots do you have on each system? one
   What are their positions in the yard? various

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Mary Sue Michael - owners of 517 Sunnyside Ct.
Signature

975 N. River Oaks Ct
Address

renter's: Delma & Steve Posey
882-2288

882-2687
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 3 years
   Do you own the house or rent it? own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it? Above ground, utilizes 2 well points approximately 15 f apart. 3/4 Horse pump
   Please describe it as best you can. (Location in yard, depth, type of pump). sucks and discharges the water through 3 separate headers which contain at average 6 sprinkler heads ranging from constant flow to impulse. Located: with eastern side of house

4. Do you know who installed your well? me
   When? Oct 89

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☒ Lawn Watering	5	20% AM / 80% PM
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? no

   For what kind of activities?

7. Do you have a sprinkler system? yes How many sprinkler heads? 16
   What type and number of spigots do you have on each system? Suction side for priming
   What are their positions in the yard?
   me pump

M-T01

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Signature

204 Gatehouse Dr
Address

673-7988
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 4 yrs
   Do you own the house or rent it?
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it? Shallow well / 25 feet / GE Water Ac / HP Pump
   Please describe it as best you can. (Location in yard, depth, type of pump).
   on North side of house

4. Do you know who installed your well? Self
   When? 3 yrs

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☒ Lawn Watering	2	late afternoon
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? yes
   For what kind of activities? sprinkler to water lawn

7. Do you have a sprinkler system? No How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Nelda Vazquez
Signature

310 Crawford Drive
Address St Marys Ga 31558

882-4173
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home?
   Do you own the house or rent it?
   If rented, who owns the house?
   Their mailing address?
   4 years

2. Do you have a private well?
   (Any water source other than a metered, public water supply).
   yes

3. What kind of well is it?
   Please describe it as best you can. (Location in yard, depth, type of pump).
   back yard

4. Do you know who installed your well? yes
   When?
   2 years ago

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☒ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water?
   yes
   For what kind of activities?
   Lawn watering & garden watering

7. Do you have a sprinkler system? no How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Donna G. Hebert
Signature

[illegible] Fairfield Drive
Address

[illegible]-5[illegible]
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 4 yrs
   Do you own the house or rent it? own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? YES
   (Any water source other than a metered, public water supply).

3. What kind of well is it? SHALLOW WELL FOR LAWN IRRIGATION
   Please describe it as best you can. (Location in yard, depth, type of pump).
   BACK YARD, 15' DEEP, [redacted] SHALLOW WELL 1½ HP PUMP

4. Do you know who installed your well? YES
   When? 3 yrs AGO

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☑ Garden Watering	USUALLY < 1/MTH	LATE EVENING
☑ Lawn Watering	" "	LATE EVENING
☐ Drinking Water for Adults, Children, Animals	DUE TO RAINFALL THE LAST 2 YRS	
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? YES
   For what kind of activities? IRRIGATION

7. Do you have a sprinkler system? NO How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Signature

306 [illegible] DR ST. MARYS, GA

Address

882-5862

Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 4 YEARS.
   Do you own the house or rent it? Own.
   If rented, who owns the house? –
   Their mailing address? –

2. Do you have a private well? Yes.
   (Any water source other than a metered, public water supply).

3. What kind of well is it? Shallow well @ 25 ft Deep. Located in Rear of
   Please describe it as best you can. (Location in yard, depth, type of pump).
   House. 2 HP 25 gpm Elect Pump.

4. Do you know who installed your well? YES.
   When? Aug-92

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☒ Filling Swimming Pool	1 Per month.	1200.
☒ Garden Watering	7 Days Per.	Various
☒ Lawn Watering	7 Day Per	Various
☐ Drinking Water for Adults, Children, Animals	NONE	NONE
☒ Washing Cars and Yard Items	1 Per	@ Noon
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? Yes.
   For what kind of activities? Lawn & Children Play.

7. Do you have a sprinkler system? Yes How many sprinkler heads? 7
   What type and number of spigots do you have on each system? manual.
   What are their positions in the yard? Only at The Pump It self.

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

D. M. LANIER

Signature

406 ELBOW LN ST Marys.

Address

673-7855 or 673-3661 For work.

Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 1 year
   Do you own the house or rent it? own
   If rented, who owns the house? —
   Their mailing address? —

2. Do you have a private well? yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it? 20 ft., ~~[illegible]~~ centrifugal, side yard
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? previous owner
   When? Nov 1989

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☑ Garden Watering	14	6 + 12
☑ Lawn Watering	14	6 + 12
☐ Drinking Water for Adults, Children, Animals		
☑ Washing Cars and Yard Items	once	
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? yes
   For what kind of activities?
   watering plants, cleaning

7. Do you have a sprinkler system? yes How many sprinkler heads? 50
   What type and number of spigots do you have on each system? 1 hose bib
   What are their positions in the yard?
   backyard

M-111

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Rhonda Damrau
Signature

209 Cottage Ct
Address

882-0523
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 3 mths.
   Do you own the house or rent it? Rent
   If rented, who owns the house? Peter Reeves
   Their mailing address? Century 21 - St. Marys

2. Do you have a private well? yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it? 20 ft shallow w/ 10 ft. head 4 well pts spaced 15 ft apart
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? Peter Reeves
   When? Spring '89

   1½ hrspwr well pump 2 zones

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water?

   For what kind of activities?

7. Do you have a sprinkler system? yes How many sprinkler heads? approx 10-12 heads per zone
   What type and number of spigots do you have on each system?
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Mary K. Marinelli
Signature

207 Cottage Ct
Address

882-8744
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 4 yrs
   Do you own the house or rent it? own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it? 3 20' WELLS' EAST END OF HOUSE
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? yes
   When? myself SPRING 1989

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☒ Garden Watering	3	16 - 2000
☒ Lawn Watering	3	"
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? yes

   For what kind of activities? water flowers

7. Do you have a sprinkler system? yes How many sprinkler heads? 28 in 3 Zones
   What type and number of spigots do you have on each system? 2
   What are their positions in the yard? AT PUMP

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

ONLY IN MY PRESENTS AND NO OTHER RIGHTS

Melvin E. Garman
Signature
MELVIN ~~GARVIN~~ GARMAN

205 COTTAGE CT ST MARYS, GA
Address

H 882-4325 W 673-3738
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 4 years
   Do you own the house or rent it? own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it?
   Please describe it as best you can. (Location in yard, depth, type of pump).
   Back yard –

4. Do you know who installed your well? yes - Richard
   When? 1989

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☑ Lawn Watering	1-2	Evening
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? yes
   For what kind of activities? watering shrubs

7. Do you have a sprinkler system? yes How many sprinkler heads? 30
   What type and number of spigots do you have on each system?
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Janet C. Williams
Signature

201 Cottage Ct - St. Marys
Address

882-2272
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home?
   Do you own the house or rent it?
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well?
   (Any water source other than a metered, public water supply).

3. What kind of well is it?
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well?
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water?

   For what kind of activities?

7. Do you have a sprinkler system?_____How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

_____
Signature

_____
Address

_____
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 5 yrs
   Do you own the house or rent it?
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? YES
   (Any water source other than a metered, public water supply).

3. What kind of well is it? SHALLOW WELL
   Please describe it as best you can. (Location in yard, depth, type of pump).
   BACKYARD NEXT TO HOUSE, 25' DEEP, 1 HORSE

4. Do you know who installed your well? US
   When? 4 YRS AGO

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☒ Lawn Watering	1 – 4	Afternoon & evening
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☒ Other, please specify: Childs Slip-n-Slide	1 – 2	afternoon

6. Do you use a hose with your private well water? YES

   For what kind of activities? WATERING

7. Do you have a sprinkler system? NO How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Eric Arril
Signature

105 Cherry Point Dr.
St Mary's, GA. 31558
Address

882-7633
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 5 yrs.
   Do you own the house or rent it? own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it? shallow well
   Please describe it as best you can. (Location in yard, depth, type of pump).
   [illegible]

4. Do you know who installed your well? owner
   When? [illegible]

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☑ Filling Swimming Pool	once	
☑ Garden Watering	less than 1	[illegible]
☑ Lawn Watering	less than 1 a week	[illegible]
☐ Drinking Water for Adults, Children, Animals		
☑ Washing Cars and Yard Items	lawn mower	
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? [illegible]

   For what kind of activities? watering lawn

7. Do you have a sprinkler system? no How many sprinkler heads? _____
   What type and number of spigots do you have on each system? _____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Glenn Keel
Signature

412 Cherry Point Ct.
Address

882-7251
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 2 yrs
   Do you own the house or rent it? own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it?
   Please describe it as best you can. (Location in yard, depth, type of pump).
   [illegible]

4. Do you know who installed your well?
   When? [illegible], [illegible] Stewart
   [illegible] years ago

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☑ Filling Swimming Pool	once	[illegible]
☑ Garden Watering	3 times	[illegible]
☑ Lawn Watering	once	[illegible]
☐ Drinking Water for Adults, Children, Animals		
☑ Washing Cars and Yard Items	once	weekends [illegible]
☐ Other, please specify: _____		

6. Do you use a hose with your private well water? yes
   For what kind of activities? yard pool everything listed above

7. Do you have a sprinkler system? no How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

[illegible]

Signature

[illegible] CT.

Address

[illegible] 9127

Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 5 months
   Do you own the house or rent it? own
   If rented, who owns the house? n/a
   Their mailing address? n/a

2. Do you have a private well? yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it? shallow
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? no
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☑ Lawn Watering	We haven't used it yet, but would if weather were extremely dry.	
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? yes
   For what kind of activities? watering yard if it ever gets extremely dry.

7. Do you have a sprinkler system? no How many sprinkler heads? n/a
   What type and number of spigots do you have on each system? n/a
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Signature

134 Carriday Circle
Address

882-4615
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? [illegible]
   Do you own the house or rent it? own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it? Shallow (25 FT)
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? yes
   When? 1940

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering	1-2	Evening
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? yes

   For what kind of activities?
   Watering Garden

7. Do you have a sprinkler system? yes How many sprinkler heads? 10
   What type and number of spigots do you have on each system? 1 (Straight
   What are their positions in the yard? Various

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

P P Gilley Lot 16
Signature

130 Cambray Circle
Address

882-3557 / 673-4969
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home?
   Do you own the house or rent it? own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it? Shallow - dug, hand dug
   Please describe it as best you can. (Location in yard, depth, type of pump). 25-30 ft

4. Do you know who installed your well? yes
   When? 23 months ago

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☑ Lawn Watering	2	1
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? No

   For what kind of activities?

7. Do you have a sprinkler system? yes How many sprinkler heads? 3
   What type and number of spigots do you have on each system? 0
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well. in my presence. 10/15/92

Patricia L Parker
Signature

LOT 12

122 Cambray Circle ST Marys
Address

H: 673-6887 W: 673-3801
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 4 years
   Do you own the house or rent it? own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it? Shallow (20 ft) located behind my garage.
   Please describe it as best you can. (Location in yard, depth, type of pump). I have a 2hp centrifugal pump. I use the well for my sprinkler system.

4. Do you know who installed your well? yes, me
   When? 1989

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☑ Lawn Watering	3/wk depending on rainfall	early morning, late afternoon
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? Seldom
   For what kind of activities? watering areas where my sprinkler system doesn't cover.

7. Do you have a sprinkler system? yes How many sprinkler heads? 35
   What type and number of spigots do you have on each system? Pop-up type
   What are their positions in the yard? ground level

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well in my presence.

R. M. Jones
Signature

115 Cambray Circle
Address

673-7566 home 673-2331 work
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 3 1/2 YRS
   Do you own the house or rent it?
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it? 1/2 HP SHALLOW WELL WITH 3 WELL POINT
   Please describe it as best you can. (Location in yard, depth, type of pump). 20 FEET DEEP
   BACK YARD

4. Do you know who installed your well? ME
   When? 2 YRS AGO

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering	2	MORNING
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? YES

   For what kind of activities?
   LAWN WATERING

7. Do you have a sprinkler system? NO How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____.
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

LOT 7

Signature STEVEN H. DOBBS

112 CAMBRAY CIRCLE
Address

882 - 5466
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 3 yrs
   Do you own the house or rent it? Own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it? 30'
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? I did.
   When? 92

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☒ Lawn Watering	14 - 18	12:00AM 4:00AM 9:00AM
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? No (It has a tap available)

   For what kind of activities?

7. Do you have a sprinkler system? Yes How many sprinkler heads? 20
   What type and number of spigots do you have on each system? Single / 4 (2 For Shrubs, 2 For Hose)
   What are their positions in the yard? Layout available

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Bernard E. Warren LOT 6

Signature WARREN

110 Cambray Circle
St. Marys, GA 31558

Address

673-7842

Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 3 YEARS
   Do you own the house or rent it? OWN
   If rented, who owns the house? —
   Their mailing address? —

2. Do you have a private well? YES
   (Any water source other than a metered, public water supply).

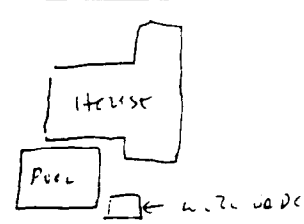
3. What kind of well is it? 90 FOOT
   Please describe it as best you can. (Location in yard, depth, type of pump).
   IN BLDG, 90 FT, JET

4. Do you know who installed your well? ORIGINAL OWNERS
   When? 1985 / 1986

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☒ Filling Swimming Pool	1 PER MONTH	—
☐ Garden Watering		
☒ Lawn Watering	7	2 – 5 AM
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? YES
   For what kind of activities? SPOT WATERING THE LAWN



7. Do you have a sprinkler system? YES How many sprinkler heads? 20 +
   What type and number of spigots do you have on each system? ~~[illegible]~~
   What are their positions in the yard? OFF THE POOL DISCHARGE
   3 HOSE CONNECTIONS IN BLDG HOUSING WELL & POOL PUMP

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Signature CHARLES WUNSCH

115 CAMBICAY GA

Address

912-673-6548

Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 4 YEARS
   Do you own the house or rent it? OWN
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? YES
   (Any water source other than a metered, public water supply).

3. What kind of well is it? BARREL - 30 FT - WATER AGE / HP
   Please describe it as best you can. (Location in yard, depth, type of pump).
   LOCATION BACK YARD

4. Do you know who installed your well? I INSTALLED
   When? APRIL 1990

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☑ Lawn Watering	3	4 AM
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? NO

   For what kind of activities?

7. Do you have a sprinkler system? YES How many sprinkler heads? 22
   What type and number of spigots do you have on each system?
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Signature

Jeffery Rotz

113 BELLVIEW CT
ST. MARYS, GA

Address

912-673-6917

Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 3 1/2 yrs.
   Do you own the house or rent it? OWN
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? YES
   (Any water source other than a metered, public water supply).

3. What kind of well is it? SHALLOW WATER WELL
   Please describe it as best you can. (Location in yard, depth, type of pump).
   x BACK
   FRONT
   25', 1 1/2 HP

4. Do you know who installed your well? SELF
   When? MAY 1990

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☑ Garden Watering	3/4	MORNING & AFTERNOON
☑ Lawn Watering	3/4	MORNING & AFTERNOON
☐ Drinking Water for Adults, Children, Animals		
☑ Washing Cars and Yard Items	1	MORNING
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? YES
   For what kind of activities? GARDEN & LAWN WATERING, WASHING CARS, ETC.

7. Do you have a sprinkler system? NO How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Alberto del Valle
Signature

Del Valle

107 BELLVUE CT.
Address

882-2932
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? NOV 1988
   Do you own the house or rent it? OWN
   If rented, who owns the house? _____
   Their mailing address? _____

2. Do you have a private well? yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it?
   Please describe it as best you can. (Location in yard, depth, type of pump).
   6 each 1¼ well points 20 FT. Deep 1½ HP. WATER ACE SPRINKLER Pump

4. Do you know who installed your well?
   When? me 1989

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☒ Garden Watering		
☒ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water?
   yes
   For what kind of activities?
   WASH Sidewalk, WATER SCRUBS

7. Do you have a sprinkler system? yes How many sprinkler heads? 035
   What type and number of spigots do you have on each system? 03
   What are their positions in the yard? By house

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

William B. Burns
Signature

100 Bellvue CT
Address

882-3763
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

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Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 3 yrs
   Do you own the house or rent it? own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it? shallow
   Please describe it as best you can. (Location in yard, depth, type of pump).
   its shallow well point 27 feet in the ground

4. Do you know who installed your well? yes - I did
   When? 3 years ago

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☒ Garden Watering	3	night
☒ Lawn Watering	3	night
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? yes
   For what kind of activities? watering lawns

7. Do you have a sprinkler system? yes How many sprinkler heads? 20
   What type and number of spigots do you have on each system? 1
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

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3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Paul Weaver
Signature

803 Arbor pl St. Marys, GA
Address

912-882-2842
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? - 3 1/2 YEARS
   Do you own the house or rent it? - OWN
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? - YES
   (Any water source other than a metered, public water supply).

3. What kind of well is it? - TWO WELL POINTS, 1 1/4" DIA, 24' DEEP, APPROX 16' APART
   Please describe it as best you can. (Location in yard, depth, type of pump). 3/4 HP

4. Do you know who installed your well? - ME
   When? 1989

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☑ Garden Watering	3 TIMES PER WK	4AM - 7AM
☑ Lawn Watering	3 TIMES PER WK.	4AM - 7AM
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? NO

   For what kind of activities?

7. Do you have a sprinkler system? YES How many sprinkler heads? 19
   What type and number of spigots do you have on each system? 1
   What are their positions in the yard? ON PUMP

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

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3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

William D. Thompson
Signature

704 ARBOR PL, ST MARYS, GA. 31558
Address

882-2291
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? Nov 30 3 years
   Do you own the house or rent it? own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? yes
   (Any water source other than a metered, public water supply).

3. What kind of well is it? shallow 20ft., Left side of House, 1/2 horse
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? myself
   When? 2 years ago

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☒ Filling Swimming Pool	Varies with evaporation	
☐ Garden Watering		
☑ Lawn Watering	3 - 4	Varies
☐ Drinking Water for Adults, Children, Animals		
☒ Washing Cars and Yard Items	Varies 1-2 times weekly	
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? NO

   For what kind of activities?

7. Do you have a sprinkler system? Yes How many sprinkler heads? 9
   What type and number of spigots do you have on each system? NONE
   What are their positions in the yard?
   M-Pir. meter

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well. when I am present only

Thomas E. Yarborough
Signature

703 ARBOR Place
Address

912-673-6896
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 4 months
   Do you own the house or rent it? rent
   If rented, who owns the house? Wanda & Marvin Abercrombie
   Their mailing address? 605 Bancroft Ct
   Goose Creek SC 29445

2. Do you have a private well? NO
   (Any water source other than a metered, public water supply).

3. What kind of well is it? NA
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? NA
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals	NA	A
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? NA

   For what kind of activities?

7. Do you have a sprinkler system? no How many sprinkler heads? NA
   What type and number of spigots do you have on each system?
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

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3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

_____

Signature

_____

Address

_____

Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

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PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 3 years
   Do you own the house or rent it? Own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? No
   (Any water source other than a metered, public water supply).

3. What kind of well is it?
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well?
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water?

   For what kind of activities?

7. Do you have a sprinkler system? No How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

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3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Donald C. Prevault

Signature

508 Elbow Lane

Address

673-7467

Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

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PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 4 months
   Do you own the house or rent it? own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? no
   (Any water source other than a metered, public water supply).

3. What kind of well is it? n/a
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? n/a
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? n/a

   For what kind of activities?

7. Do you have a sprinkler system? no How many sprinkler heads? n/a
   What type and number of spigots do you have on each system? n/a
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

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3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Sharon H. Altieri
Signature

211 Plantation Circle
Address

(912) 882-0603
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

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Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 3 years
   Do you own the house or rent it? Own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? No
   (Any water source other than a metered, public water supply).

3. What kind of well is it? NA
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? NA
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? NA

   For what kind of activities? NA

7. Do you have a sprinkler system? No How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

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3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

K A Spooner Jr
Signature

404 Ellwood Lane
Address

882-3134
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

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PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 4 years 4 months
   Do you own the house or rent it? [illegible]
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? No
   (Any water source other than a metered, public water supply).

3. What kind of well is it?
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well?
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water?

   For what kind of activities?

7. Do you have a sprinkler system? No How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Signature

Address

Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home?
   Do you own the house or rent it?
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? NO
   (Any water source other than a metered, public water supply).

3. What kind of well is it?
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well?
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water?

   For what kind of activities?

7. Do you have a sprinkler system?_____How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

[illegible]
Signature

[illegible] Court
Address

[illegible]
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 4 yrs.
   Do you own the house or rent it? own.
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? NO
   (Any water source other than a metered, public water supply).

3. What kind of well is it?
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well?
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? No

   For what kind of activities?

7. Do you have a sprinkler system? NO How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

_____
Signature

_____
Address

_____
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 2½ yrs
   Do you own the house or rent it? own
   If rented, who owns the house?
   Their mailing address? 513 Elbow Lane St Marys GA 31558

2. Do you have a private well? NO
   (Any water source other than a metered, public water supply). NO

3. What kind of well is it?
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well?
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering	Twice NA	5 PM
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals	7 Days	am 7 12 4 6
☐ Washing Cars and Yard Items	Once	Afternoon
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water?

   For what kind of activities?

7. Do you have a sprinkler system? NO How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Margaret Dutton
Signature

513 ELBOW LANE
Address

ST MARYS GA 31558
Phone 882 2922

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 3.5 years
   Do you own the house or rent it? own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? no
   (Any water source other than a metered, public water supply).

3. What kind of well is it? —
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? —
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water?

   For what kind of activities?

7. Do you have a sprinkler system? no How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well. (or just test ground water)

Lisa Bell
Signature

411 Sunnyside Dr.
Address

912-882-5445
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

WILLIAM MADDOX
104 SUNNYSIDE DR
ST MARYS GA 31558

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 2.5 yrs
   Do you own the house or rent it? OWN
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? NO
   (Any water source other than a metered, public water supply).

3. What kind of well is it?
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well?
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water?

   For what kind of activities?

7. Do you have a sprinkler system?_____How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

_____

Signature

_____

Address

_____

Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 3 yrs.
   Do you own the house or rent it? Own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well?
   (Any water source other than a metered, public water supply).

3. What kind of well is it? NONE
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? —
   When? —

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? —

   For what kind of activities? —

7. Do you have a sprinkler system? NO How many sprinkler heads? —
   What type and number of spigots do you have on each system? —
   What are their positions in the yard? —

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

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2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

[illegible]
Signature

[illegible] Crooked River Plantation
Address

[illegible]
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 1 yr.
   Do you own the house or rent it? Rent
   If rented, who owns the house?
   Their mailing address? Mike Fulford
   200 Seminole St.
   St. Marys

2. Do you have a private well? No
   (Any water source other than a metered, public water supply).

3. What kind of well is it?
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well?
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water?

   For what kind of activities?

7. Do you have a sprinkler system?_____How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

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2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

_____
Signature

201 Cherry Pt. Dr.
Address

_____
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gi[illegible] you the [illegible] to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally refer[illegible] as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split [illegible]ple(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 4 YRS
   Do you own the house or rent it? OWN
   If rented, who owns the house? —
   Their mailing address? —

2. Do you have a private well? NO
   (Any water source other than a metered, public water supply).

3. What kind of well is it? —
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? —
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water?

   For what kind of activities?

7. Do you have a sprinkler system?_____How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

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3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Signature

Address 305 FAIRFIELD DR. ST. MARYS, GA

882-2044
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 4 yrs
   Do you own the house or rent it? Own
   If rented, who owns the house? —
   Their mailing address? —

2. Do you have a private well? yes
   (Any water source other than a metered, public water supply). No

3. What kind of well is it?
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well?
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line. NO WELL WATER

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool	No	No
☐ Garden Watering	2 times wk	Evening
☐ Lawn Watering	2 times wk	"
☑ Drinking Water for Adults, Children, Animals	Gallon	Any time of day
☐ Washing Cars and Yard Items	Every week	A.M.
☐ Other, please specify: We have a gallon for drinking water		

6. Do you use a hose with your private well water? No

   For what kind of activities?

7. Do you have a sprinkler system?_____How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?
   We use a hose in the sprinkler

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Leslie & Alice Jenton
Signature

209 Pinedale ST
Address

882-7510
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 4 yrs
   Do you own the house or rent it? own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? no
   (Any water source other than a metered, public water supply).

3. What kind of well is it?
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well?
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water?

   For what kind of activities?

7. Do you have a sprinkler system? no How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Signature

111 Bellevue Ct St Marys
Address

882-2126
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home?
   Do you own the house or rent it?
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well?
   (Any water source other than a metered, public water supply).

3. What kind of well is it?
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well?
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water?

   For what kind of activities?

7. Do you have a sprinkler system?_____How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Charles Campbell

Signature

Charles Campbell

[illegible]

Address

[illegible] 2012

Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home?
   Do you own the house or rent it?
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? NO
   (Any water source other than a metered, public water supply).

3. What kind of well is it? ——
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? ——
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water?

   For what kind of activities?

7. Do you have a sprinkler system? NO How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well/groundwater

Signature

800 Highland Way
Address

912 673 6753
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 8 mo.
   Do you own the house or rent it?
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? No
   (Any water source other than a metered, public water supply).

3. What kind of well is it? N/A
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? N/A
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? N/A

   For what kind of activities?

7. Do you have a sprinkler system? N/A How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

_____
Signature

_____
Address

_____
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? Sept 1, 1990
   Do you own the house or rent it? own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? NO
   (Any water source other than a metered, public water supply). N/A

3. What kind of well is it? N/A
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? N/A
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line. N/A

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? NO

   For what kind of activities?

7. Do you have a sprinkler system? NO How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

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3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Paul Ray Parker
Signature

505 Woodlawn Dr
Address

882-7047
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home?
   Do you own the house or rent it?
   If rented, who owns the house?
   Their mailing address?

   3 years

2. Do you have a private well?
   (Any water source other than a metered, public water supply).

   NO

3. What kind of well is it?
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well?
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water?

   For what kind of activities?

7. Do you have a sprinkler system? NO How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Signature

301 Gate Lane
Address

882-0790
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home?
   Do you own the house or rent it?
   If rented, who owns the house?
   Their mailing address?

We do not have a well, we have city water

2. Do you have a private well?
   (Any water source other than a metered, public water supply).

3. What kind of well is it?
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well?
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water?

   For what kind of activities?

7. Do you have a sprinkler system?_____How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Jean B. Mahe
Signature

Crooked River Plantation.

502 Westgate Circle
St. Marys, GA 31558
Address

Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 15 months
   Do you own the house or rent it? OWN
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? NO
   (Any water source other than a metered, public water supply).

3. What kind of well is it? N/A
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? N/A
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? N/A

   For what kind of activities? N/A

7. Do you have a sprinkler system? NO How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

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3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Signature

222 PLANTATION CIR ST MARYS GA 31558
Address

912 882-2209
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 1 yr
   Do you own the house or rent it? own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? NO (waiting to find out results of th survey.
   (Any water source other than a metered, public water supply).

3. What kind of well is it?
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well?
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water?

   For what kind of activities?

7. Do you have a sprinkler system? NO How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Signature

2909 Plantation Drive

Address

(912) 882-2337

Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 3 yrs
   Do you own the house or rent it? Own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? NO
   (Any water source other than a metered, public water supply).

3. What kind of well is it? N/A
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? N/A
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? N/A

   For what kind of activities? N/A

7. Do you have a sprinkler system? NO How many sprinkler heads? N/A
   What type and number of spigots do you have on each system? N/A
   What are their positions in the yard? N/A

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Signature

182 WOODLAWN DR
Address

882-4660
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? approximately two years
   Do you own the house or rent it?
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? no!
   (Any water source other than a metered, public water supply).

3. What kind of well is it?
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well?
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water?

   For what kind of activities?

7. Do you have a sprinkler system? no How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

no well

Signature

228 Plantation Circle

Address

862-3192

Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

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Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? [illegible]
   Do you own the house or rent it? [illegible]
   If rented, who owns the house? [illegible]
   Their mailing address? [illegible]

2. Do you have a private well? [illegible]
   (Any water source other than a metered, public water supply).

3. What kind of well is it?
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well?
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water?

   For what kind of activities?

7. Do you have a sprinkler system?_____How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

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3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

_____
Signature

_____
Address

_____
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

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Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 5 yrs
   Do you own the house or rent it? own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? NO
   (Any water source other than a metered, public water supply).

3. What kind of well is it?
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well?
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water?

   For what kind of activities?

7. Do you have a sprinkler system?_____How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

_____
Signature

_____
Address

_____
Phone

Please call me concerning this
I do not have a well.
DENNIS E Powers
401 Cherry PT CT
ST Mary's GA 31558

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

See Harbor Place

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? Past 7 months
   Do you own the house or rent it?
   If rented, who owns the house? Johnny Thomas, Carson Washington [illegible]
   Their mailing address? Rented through Magnolia Realty

2. Do you have a private well? no
   (Any water source other than a metered, public water supply).

3. What kind of well is it?
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well?
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water?

   For what kind of activities?

7. Do you have a sprinkler system?_____How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

_____

Signature

_____

Address

_____

Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

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Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. . Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 3 yrs
   Do you own the house or rent it? own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? NO
   (Any water source other than a metered, public water supply).

3. What kind of well is it?
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? yes
   When? spring of 73

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water?

   For what kind of activities?

7. Do you have a sprinkler system?_____How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

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3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Thomas W Koehn
Signature

309 GATE LANE
Address

882-9328
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

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Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 3 yrs
   Do you own the house or rent it? own
   If rented, who owns the house? —
   Their mailing address? —

2. Do you have a private well? No
   (Any water source other than a metered, public water supply).

3. What kind of well is it? —
   Please describe it as best you can. (Location in yard, depth, type of pump).
   —

4. Do you know who installed your well? —
   When? —

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool	—	—
☐ Garden Watering	—	—
☐ Lawn Watering	—	—
☐ Drinking Water for Adults, Children, Animals	—	—
☐ Washing Cars and Yard Items	—	—
☐ Other, please specify: _____ _____ _____	—	—

6. Do you use a hose with your private well water? —

   For what kind of activities? —

7. Do you have a sprinkler system? No How many sprinkler heads? —
   What type and number of spigots do you have on each system? —
   What are their positions in the yard? —

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

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2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Signature

315 Gate Lane, St. Marys Ga
Address

(912) 882-3833
Phone

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Property Owner Advisement

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Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 1 yr 3 mo
   Do you own the house or rent it? own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? NO
   (Any water source other than a metered, public water supply).

3. What kind of well is it? N/A
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? N/A
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line. N/A

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? N/A

   For what kind of activities? N/A

7. Do you have a sprinkler system? NO How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

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3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Signature

306 W. GATE CIR
Address

882-1381
Phone

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Property Owner Advisement

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PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 1 year
   Do you own the house or rent it?
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? No
   (Any water source other than a metered, public water supply).

3. What kind of well is it?
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well?
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water?

   For what kind of activities?

7. Do you have a sprinkler system?_____How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Thomas W Kelly
Signature

101 Fairfield Rd
Address
St Marys Ga 31558

912-882-3597
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home?
   Do you own the house or rent it? RENT
   If rented, who owns the house? MIKE MURPHY
   Their mailing address? 503 WESTGATE CIR
   ST MARYS GA 31558

2. Do you have a private well? NO
   (Any water source other than a metered, public water supply).

3. What kind of well is it? —
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? —
   When? —

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water?

   For what kind of activities?

7. Do you have a sprinkler system? NO How many sprinkler heads? —
   What type and number of spigots do you have on each system? —
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Renee Wilken

Signature RENEE WILKEN

110 SUNNYSIDE DRIVE

Address

912 882 8911

Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 3 years
   Do you own the house or rent it? own
   If rented, who owns the house? —
   Their mailing address? —

2. Do you have a private well? no
   (Any water source other than a metered, public water supply).

3. What kind of well is it? —
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? —
   When? —

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? —

   For what kind of activities? —

7. Do you have a sprinkler system? no How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

_____

Signature

_____

Address

_____

Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "*split sample.*" Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 3 1/2 years
   Do you own the house or rent it? own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? NO
   (Any water source other than a metered, public water supply).

3. What kind of well is it? N/A
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? N/A
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? N/A

   For what kind of activities?

7. Do you have a sprinkler system? NO How many sprinkler heads? NO
   What type and number of spigots do you have on each system? N
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

_____

Signature

_____

Address

_____

Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 3 mos.
   Do you own the house or rent it? rent
   If rented, who owns the house? Tony + Rhonda Richter
   Their mailing address? 109 Kershaw Rd
   Summerville, S.C. 29483

2. Do you have a private well?
   (Any water source other than a metered, public water supply).
   no

3. What kind of well is it? —
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? —
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water?

   For what kind of activities?

7. Do you have a sprinkler system?_____How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

_____
Signature

_____
Address

_____
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 14 months
   Do you own the house or rent it? OWN
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? NO
   (Any water source other than a metered, public water supply).

3. What kind of well is it? N/A
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? N/A
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals	N/A	
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? N/A
   For what kind of activities?

7. Do you have a sprinkler system? NO How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the :ation and concentration of the plume, we are asking your permission to sample your private well. T. ; sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Signature

2802 Plantation DR.
ST MARY'S, GA 31558
Address

(912) 882-1726
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 3 yrs
   Do you own the house or rent it? own
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? NO
   (Any water source other than a metered, public water supply).

3. What kind of well is it? N/A
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? N/A
   When?

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☐ Lawn Watering		
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water?

   For what kind of activities?

7. Do you have a sprinkler system? NO How many sprinkler heads?_____
   What type and number of spigots do you have on each system?_____
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

N/A

_____
Signature

_____
Address

_____
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PRIVATE WELL SURVEY

Thank you for participating in this brief survey. Your input will help identify potential problems associated with the use of groundwater in the area. Your responses will be held in confidence, only to be used by the project team working on the groundwater investigation. (See other side when complete)

1. How long have you lived in your current home? 3 YRS
   Do you own the house or rent it? OWN
   If rented, who owns the house?
   Their mailing address?

2. Do you have a private well? YES
   (Any water source other than a metered, public water supply).

3. What kind of well is it? 30' SHALLOW, REAR OF HOUSE, IMP.
   Please describe it as best you can. (Location in yard, depth, type of pump).

4. Do you know who installed your well? YES
   When? 2 YEARS AGO

5. Please use the chart below to indicate how you have used your well water, how often and when. Check the box if the activity applies to your home, then complete the line.

Activity	Times per Week	Time of Day
☐ Filling Swimming Pool		
☐ Garden Watering		
☒ Lawn Watering	3	LATE AFTERNOON
☐ Drinking Water for Adults, Children, Animals		
☐ Washing Cars and Yard Items		
☐ Other, please specify: _____ _____ _____		

6. Do you use a hose with your private well water? NO

   For what kind of activities?

7. Do you have a sprinkler system? YES How many sprinkler heads? 15
   What type and number of spigots do you have on each system? NONE
   What are their positions in the yard?

WELL TEST CONSENT FORM

To gather information on the location and concentration of the plume, we are asking your permission to sample your private well. This sampling process will be conducted at no expense to you and the data will provide a better understanding of groundwater quality in your area. The process is as follows:

1. Upon receipt of this completed Consent Form, you will be contacted to establish a date and time for the sampling. (The sampling needs to take place by early November.)

2. An ABB Environmental Services, Inc. (ABB-ES) staff member will meet you at the agreed date and time to take 3-9 samples from your well. The sampling will require up to 2 hours time.

3. Results from your well test will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process can take several weeks.

With this understanding, I do allow the U.S. Navy, including its consultant, ABB-ES and their subcontractors, access my property and sample my well.

Signature

610 GATE LN
Address

882-3081
Phone

Please return this form at the public meeting or mail it to Public Affairs Office, Subase King's Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PERMISSION TO CONDUCT SAMPLING ON PRIVATE PROPERTY

As you may know, an area of groundwater, called a "plume", contaminated with vinyl chloride has been detected in the vicinity of the Old Camden County Landfill. The plume was confirmed in August 1992 by a groundwater investigation being conducted by the U.S. Navy at Subase Kings Bay, where the landfill is located.

In cooperation with state and local regulatory officials, the U.S. Navy is conducting further investigations to better define the plume's location. Additional investigations will include conducting surveys, sampling of private water wells and groundwater testing along the right-of-ways in Crooked River Plantation.

More data is needed to develop a plan to address the plume. Your property is one of the few strategically located, which if tested, will provide the necessary data to define the location and extent of the plume. For these reasons, the U.S. Navy is requesting access to your property, to allow its consultants, ABB Environmental Services, Inc., to conduct these tests.

Utilizing a technique called "direct push", hydraulic jacks will be used to anchor and stabilize the truck while metal rods are pushed into the ground to collect groundwater samples. Due to the process of positioning the truck and collecting the samples, after effects on the property will be evident. These include tire tracks, two 1-foot diameter depressions in the ground created by the jacks, and one 3-inch hole created by the sampling rod.

ABB Environmental Services will work with you to select appropriate sampling location(s) on your property to minimize any inconvenience that this may cause you and your family. After the sampling has been completed, the Navy will ensure that all holes and tracks are filled, damaged grassed areas are seeded or re-sodded, and destroyed vegetation is replaced at no expense to you. Once the landscapers are done, you will be asked to sign a release form acknowledging that you are satisfied with the repairs made to your yard.

With this understanding in mind, your permission is requested to participate in the following process:

1. Upon receipt of this completed Permission Form, you will be contacted to set a date and time for the sampling. (The sampling needs to take place by early November).

2. An ABB Environmental Services, Inc. staff members will meet you at the agreed date and time. You will be asked to select and indicate the least disruptive point on the property to conduct the sampling. Please inform these representatives of any known underground structures or other unique features of the property not readily observable (e.g., sprinkler system, wells, septic tank, etc.)

3. The sampling will then take place and will require approximately 2 hours to complete.

4. If requested, results from the sampling will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process may take several weeks.

Under these terms, I do allow the U.S. Navy, including its consultant, ABB Environmental Services, Inc. and their subcontractors, to access my property and perform Direct Push, hydrocone sampling.

Ben C. Tasner
Signature

2605 PLANTATION DRIVE
Address

882-0776
Phone

Please return this form to the Public Affairs Office, Subase Kings Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

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Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PERMISSION TO CONDUCT SAMPLING ON PRIVATE PROPERTY

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In cooperation with state and local regulatory officials, the U.S. Navy is conducting further investigations to better define the plume's location. Additional investigations will include conducting surveys, sampling of private water wells and groundwater testing along the right-of-ways in Crooked River Plantation.

More data is needed to develop a plan to address the plume. Your property is one of the few strategically located, which if tested, will provide the necessary data to define the location and extent of the plume. For these reasons, the U.S. Navy is requesting access to your property, to allow its consultants, ABB Environmental Services, Inc., to conduct these tests.

Utilizing a technique called "direct push", hydraulic jacks will be used to anchor and stabilize the truck while metal rods are pushed into the ground to collect groundwater samples. Due to the process of positioning the truck and collecting the samples, after effects on the property will be evident. These include tire tracks, two 1-foot diameter depressions in the ground created by the jacks, and one 3-inch hole created by the sampling rod.

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3. The sampling will then take place and will require approximately 2 hours to complete.

4. If requested, results from the sampling will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process may take several weeks.

Under these terms, I do allow the U.S. Navy, including its consultant, ABB Environmental Services, Inc. and their subcontractors, to access my property and perform Direct Push, hydrocone sampling.

Signature
DAVID WILLIS

223 Plantation Ct
Address
673-2090

882-7656
Phone

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Charles E Lanton
Signature

218 PLANTATION COURT
Address

673-7941
Phone

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R. W. Hall
Signature

214 Plantation Ct.
Address

912 882-7652
Phone

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Richard Miller

LOT 32

Signature

610 GATE W

Address

882-3081

Phone

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Signature

210 Plantation Ct

Address

673 7285

Phone

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√-

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John A. Kelly Sr. John Kelly LOT 26

Signature

300 Gate Lane St. Mary's, Ga. 31558

Address

673-7898

Phone

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K.L. Ballenger
K. L. BALLENGER
Signature

213 Cottage Ct. St. Marys.
Address

(912) 673-7694
Phone

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K. L. BALLENGER
Signature

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ABB Environmental Services will work with you to select appropriate sampling location(s) on your property to minimize any inconvenience that this may cause you and your family. After the sampling has been completed, the Navy will ensure that all holes and tracks are filled, damaged grassed areas are seeded or re-sodded, and destroyed vegetation is replaced at no expense to you. Once the landscapers are done, you will be asked to sign a release form acknowledging that you are satisfied with the repairs made to your yard.

With this understanding in mind, your permission is requested to participate in the following process:

1. Upon receipt of this completed Permission Form, you will be contacted to set a date and time for the sampling. (The sampling needs to take place by early November).

2. An ABB Environmental Services, Inc. staff members will meet you at the agreed date and time. You will be asked to select and indicate the least disruptive point on the property to conduct the sampling. Please inform these representatives of any known underground structures or other unique features of the property not readily observable (e.g., sprinkler system, wells, septic tank, etc.)

3. The sampling will then take place and will require approximately 2 hours to complete.

4. If requested, results from the sampling will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process may take several weeks.

Under these terms, I do allow the U.S. Navy, including its consultant, ABB Environmental Services, Inc. and their subcontractors, to access my property and perform Direct Push, hydrocone sampling.

Signature

108 Cottage Ct. (Lot #10)
Address

882-7662
Phone

Please return this form to the Public Affairs Office, Subase Kings Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

PERMISSION TO CONDUCT SAMPLING ON PRIVATE PROPERTY

As you may know, an area of groundwater, called a "plume", contaminated with vinyl chloride has been detected in the vicinity of the Old Camden County Landfill. The plume was confirmed in August 1992 by a groundwater investigation being conducted by the U.S. Navy at Subase Kings Bay, where the landfill is located.

In cooperation with state and local regulatory officials, the U.S. Navy is conducting further investigations to better define the plume's location. Additional investigations will include conducting surveys, sampling of private water wells and groundwater testing along the right-of-ways in Crooked River Plantation.

More data is needed to develop a plan to address the plume. Your property is one of the few strategically located, which if tested, will provide the necessary data to define the location and extent of the plume. For these reasons, the U.S. Navy is requesting access to your property, to allow its consultants, ABB Environmental Services, Inc., to conduct these tests.

Utilizing a technique called "direct push", hydraulic jacks will be used to anchor and stabilize the truck while metal rods are pushed into the ground to collect groundwater samples. Due to the process of positioning the truck and collecting the samples, after effects on the property will be evident. These include tire tracks, two 1-foot diameter depressions in the ground created by the jacks, and one 3-inch hole created by the sampling rod.

ABB Environmental Services will work with you to select appropriate sampling location(s) on your property to minimize any inconvenience that this may cause you and your family. After the sampling has been completed, the Navy will ensure that all holes and tracks are filled, damaged grassed areas are seeded or re-sodded, and destroyed vegetation is replaced at no expense to you. Once the landscapers are done, you will be asked to sign a release form acknowledging that you are satisfied with the repairs made to your yard.

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3. The sampling will then take place and will require approximately 2 hours to complete.

4. If requested, results from the sampling will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process may take several weeks.

Under these terms, I do allow the U.S. Navy, including its consultant, ABB Environmental Services, Inc. and their subcontractors, to access my property and perform Direct Push, hydrocone sampling.

When I am present only. GEY

Thomas E Yalough
Signature

LOT 35

703 ARBOR PL
Address

912-673-6896
Phone

Please return this form to the Public Affairs Office, Subase Kings Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

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Can't read these names

With this understanding in mind, y[illegible] participate in the following process:

1. Upon receipt of this comple[illegible] be contacted to set a date and time for the sampling. (The sampling needs to take place by early November).

2. An ABB Environmental Services, Inc. staff members will meet you at the agreed date and time. You will be asked to select and indicate the least disruptive point on the property to conduct the sampling. Please inform these representatives of any known underground structures or other unique features of the property not readily observable (e.g., sprinkler system, wells, septic tank, etc.)

3. The sampling will then take place and will require approximately 2 hours to complete.

4. If requested, results from the sampling will be made available to you, through the U.S. Navy, after laboratory analysis and validation. This process may take several weeks.

Under these terms, I do allow the U.S. Navy, including its consultant, ABB Environmental Services, Inc. and their subcontractors, to access my property and perform Direct Push, hydrocone sampling.

Signature

612 ARBOR PL

Address

882-3691

Phone

Please return this form to the Public Affairs Office, Subase Kings Bay, GA 31547-5015 on or by October 15, 1992. Please keep one copy of this completed form for your records.

Property Owner Advisement

Federal law gives you the right to obtain a portion of any water or soil sample that the Navy may draw from your property. This is what is normally referred to as a "split sample." Should you request a split sample, you will be responsible for providing a container(s) for the split sample(s) and will be responsible for all costs associated with analyzing your portion of the sample(s). The Navy will be responsible for its portion of the sample(s) and will bear all costs associated with analyzing its portion. Federal law also gives you the right to obtain a copy of the results of the Navy's analysis of any samples it draws from your property. Unless you indicate to us that you do not desire to receive a copy of the results, a copy will be provided to you without charge.

Statutory Authority Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Sec. 9604(4)(B).

RELEASE FORM

The undersigned acknowledges satisfactory completion of the repairs and restoration of the property listed below and further releases the U.S. Navy, ABB Environmental Services, Inc., and its contractors from liability for damages, cost and expenses arising from the sampling effort on the property.

Ben G. Tarver
(Signature)

2605 PLANTATION DR
(Address)

14 NOV 92
(Date)

Ben Tarver

14 Nov 92

LB Harris, ABB-ES

RELEASE FORM

The undersigned acknowledges satisfactory completion of the repairs and restoration of the property listed below and further releases the U.S. Navy, ABB Environmental Services, Inc., and its contractors from liability for damages, cost and expenses arising from the sampling effort on the property.

Richard King
(Signature)

210 Plantation Ct
(Address)
St Marys Ga

14 Nov 92
(Date)

Richard King

14 Nov 92
LB Harris, ABB-ES

RELEASE FORM

The undersigned acknowledges satisfactory completion of the repairs and restoration of the property listed below and further releases the U.S. Navy, ABB Environmental Services, Inc., and its contractors from liability for damages, cost and expenses arising from the sampling effort on the property.

(Signature)

213 Cottage
(Address)

St Marys, GA 31558

19 Nov 92
(Date)

Kevin Ballinger

14 Nov 92

LB Harris, ABB-ES

RELEASE FORM

The undersigned acknowledges satisfactory completion of the repairs and restoration of the property listed below and further releases the U.S. Navy, ABB Environmental Services, Inc., and its contractors from liability for damages, cost and expenses arising from the sampling effort on the property.

Joseph M Drury
(Signature)

204 Cottage St.
(Address)

St. Marys, GA.

11-15-92
(Date)

RELEASE FORM

The undersigned acknowledges satisfactory completion of the repairs and restoration of the property listed below and further releases the U.S. Navy, ABB Environmental Services, Inc., and its contractors from liability for damages, cost and expenses arising from the sampling effort on the property.

Richard W. Hill
(Signature)

214 Plantation Dr.
(Address)

H. Williams GA

15 Nov 92
(Date)

Landscaper Work Form

Arrangements will be made for landscaping services to repair the following results of the hydrocone groundwater sampling: (Be specific about location, type of damage and necessary repair, size of area involved etc.)

1) Backyard - approx. 70 ft North of house. Two 1.5 ft diameter areas where truck anchored. Two 8 ft long impressions south of anchor locations. Each impression approx 1 ft wide.
2) Homeowner will fill depressions (truck tires + anchors). Drop sod for homeowner use.

3)

4)

5)

Homeowner: [signature]

Address: 108 Cottage Crt

Witness: [signature]
ABB Environmental Services, Inc.
associate

Appendix N

Private Irrigation Well Physical Data

Summary of Private Well Measurements

Sample ID	Flow Rate (gpm)	Measurement 1 Cond (μmhos/cm)	Measurement 1 Temp (°C)	Measurement 1 pH (s.u.)	Measurement 2 Cond (μmhos/cm)	Measurement 2 Temp (°C)	Measurement 2 pH (s.u.)	Measurement 3 Cond (μmhos/cm)	Measurement 3 Temp (°C)	Measurement 3 pH (s.u.)
CRP-PW1	7.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
CRP-PW2	12	NA	NA	NA	NA	NA	NA	NA	NA	NA
CRP-PW3	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
CRP-PW4	7.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
CRP-PW5	12	NA	NA	NA	NA	NA	NA	NA	NA	NA
CRP-PW6	13	NA	NA	NA	NA	NA	NA	NA	NA	NA
CRP-PW7	36	NA	NA	NA	NA	NA	NA	NA	NA	NA
CRP-PW8	14	NA	NA	NA	NA	NA	NA	NA	NA	NA
CRP-PW9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CRP-PW10	14	NA	NA	NA	NA	NA	NA	NA	NA	NA
CRP-PW11	16	104	24.8	4.71	NA	NA	NA	NA	NA	NA
CRP-PW12	5.5	368	26.2	7.26	NA	NA	NA	NA	NA	NA
CRP-PW13	12	821	27.3	4.64	NA	NA	NA	NA	NA	NA
CRP-PW14	NA	95	30.6	5.34	82	26.1	5.35	79	25.7	5.33
CRP-PW15	12	124	29.3	4.80	128	26.1	4.82	120	28.2	4.80
CRP-PW16	9.7	92	29.8	4.93	91	27.8	4.96	91	27.5	4.96
CRP-PW17	3.6	190	27.8	4.99	191	27.3	4.97	190	26.2	4.96
CRP-PW18	12	123	26.8	4.96	117	26.2	4.87	117	25.3	4.91
CRP-PW19	NA	95	21.7	4.94	NA	NA	NA	NA	NA	NA
CRP-PW20	10	79	21.5	5.49	79	21.9	5.50	80	21.9	5.51
CRP-PW21	NA	534	22.5	5.36	533	23.2	5.35	NA	NA	NA

See notes at end of table.

Summary of Private Well Measurements (cont'd)

		Measurement 1			Measurement 2			Measurement 3		
Sample ID	Flow Rate (gpm)	Cond (μmhos/cm)	Temp (°C)	pH (s.u.)	Cond (μmhos/cm)	Temp (°C)	pH (s.u.)	Cond (μmhos/cm)	Temp (°C)	pH (s.u.)
CRP-PW22	14	294	26.7	5.13	236	26.1	5.13	234	25.3	5.01
CRP-PW23	14	92	27.5	5.19	65	25.9	5.06	64	26.1	5.13
CRP-PW24	7.2	95	29.2	4.96	100	28.1	4.89	99	26.5	4.93
CRP-PW25	18	394	28.3	6.15	396	26.7	6.24	375	26.7	6.22
CRP-PW26	NA	490	28.7	5.26	418	25.0	4.93	418	26.7	4.90
CRP-PW27	7.2	93	27.8	5.10	95	26.4	4.71	94	25.6	4.74
CRP-PW28	NA	288	26.1	7.32	292	24.7	7.31	293	23.2	7.33
CRP-PW29	9.0	204	25.3	5.44	200	29.2	5.44	194	29.2	5.31
CRP-PW30	8.0	146	28.3	4.90	144	25.9	4.89	145	25.6	4.92
CRP-PW31	NA	104	29.4	4.64	102	28.6	4.72	103	32.6	4.77
CRP-PW32	14	198	20.3	5.10	194	22.8	5.03	199	22.9	4.96
CRP-PW33	10	208	23.4	4.90	208	24.7	4.88	208	24.6	4.94
CRP-PW34	20	107	26.3	5.52	106	26.1	5.55	114	29.2	5.54
CRP-PW35	6.5	86	28.1	5.08	88	25.6	5.07	82	26.7	5.08
CRP-PW36	NA	126	25.1	5.36	122	28.6	5.40	123	26.7	5.29
CRP-PW37	8.6	115	27.2	5.28	114	26.4	5.24	114	25.0	5.20
CRP-PW38	12	91	27.0	5.24	85	26.6	5.27	83	25.0	5.29
CRP-PW39	12	1197	23.7	5.42	1245	24.7	5.41	NA	NA	NA
CRP-PW40	NA	87	23.2	5.86	88	23.9	5.93	88	23.8	5.86
CRP-PW41	3.8	333	23.5	4.86	336	25.1	4.90	336	24.8	4.90
CRP-PW42	13	363	26.2	5.30	378	26.4	5.31	404	26.2	5.10

See notes at end of table.

Summary of Private Well Measurements (cont'd)

Sample ID	Flow Rate (gpm)	Measurement 1 Cond (μmhos/cm)	Measurement 1 Temp (°C)	Measurement 1 pH (s.u.)	Measurement 2 Cond (μmhos/cm)	Measurement 2 Temp (°C)	Measurement 2 pH (s.u.)	Measurement 3 Cond (μmhos/cm)	Measurement 3 Temp (°C)	Measurement 3 pH (s.u.)
CRP-PW43	NA	243	27.1	5.37	238	26.9	5.51	237	27.8	5.40
CRP-PW44	5.5	241	31.3	4.71	199	26.4	4.79	200	28.3	4.79
CRP-PW45	18	294	30.8	7.26	297	31.1	7.23	261	27.8	7.39
CRP-PW46	NA	90	30.7	5.26	91	26.4	5.12	87	28.4	5.21
CRP-PW47	6.5	166	28.9	5.15	168	25.1	5.13	165	27.2	5.08
CRP-PW48	NA	116	29.0	5.25	117	26.3	5.48	110	25.4	5.15
CRP-PW49	12	90	23.4	5.34	86	23.5	5.31	92	24.7	5.18
CRP-PW50	NA	100	24.9	5.13	101	25.7	5.17	105	25.8	4.97
CRP-PW51	10	303	28.0	6.41	282	27.8	6.33	285	27.6	6.23

Notes:

gpm = gallons per minute
pH = s.u. = standard units
Temp = °C = degrees Celsius
Cond = Specific Conductance = μmhos/cm micromhos per centimeter
N/A = Not Applicable