APPENDIX A
ANALYTICAL DATA BASE

A.1 RFI PHASE I MONITORING WELL SAMPLE RESULTS

A.2 RFI PHASE I SOIL SAMPLE RESULTS

A.3 VALIDATED RECOVERY WELL SAMPLE RESULTS (SEPTEMBER 28, 1990)

A.4 UNVALIDATED RECOVERY WELL SAMPLES RESULTS (OCTOBER 2, 1990)

PHASE I RFI LABORATORY DATA

SAMPLE DATA SUMMARY

CODES RELATING TO IDENTIFICATION
(confidence concerning presence or absence of compounds):

U	=	Not detected. The associated number indicates approximate sample concentration necessary to be detected.
(NO CODE)	=	Confirmed identification.
B	=	Not detected substantially above the level reported in laboratory or field blanks.
R	=	Unreliable result. Analyte may or may not be present in the sample. Supporting data necessary to confirm result.
N	=	Tentative identification. Consider present. Special methods may be needed to confirm its presence or absence in future sampling efforts.

CODES RELATED TO QUANTITATION
(can be used for both positive results and sample quantitation limits):

J	=	Analyte present. Reported value may not be accurate or precise.
K	=	Analyte present. Reported value may be biased high. Actual value is expected to be lower.
L	=	Analyte present. Reported value may be biased low. Actual value is expected to be higher.
UJ	=	Not detected, quantitation limit may be inaccurate or imprecise.
UL	=	Not detected, quantitation limit is probably higher.

OTHER CODES

Q	=	No analytical result.

A.1 RFI PHASE I MONITORING WELL SAMPLE RESULTS

A.1 RFI PHASE I MONITORING WELL SAMPLE RESULTS

ALLIED FRANKFORD RFI PHASE I MONITORING WELL SAMPLES

INORGANICS (ALL DATA IN UG/L)

Sample No.:	101-01D Filtered	101-01	102-01D Filtered	102-01	103-01D Filtered	103-01	104-01D Filtered	104-01
COMPOUND								
Aluminum	238.0	115000.0	20.0 U	89900.0	200.0 U	14100.0	200.0 U	15000.0
Antimony	9.0 U	9.0 UJ	9.0 U	9.0 UJ	80.0 U	80.0 UJ	80.0 U	80.0 UJ
Arsenic	8.3	26.8 J	.9 U	32.0 J	11.0	9.0 J	9.0 U	130.0 J
Barium	20.0 J	713.0	100.0 J	520.0	260.0 J	770.0	710.0 J	810.0
Beryllium	1.0 U	7.0	1.0 U	4.0	10.0 U	10.0 U	10.0 U	10.0 U
Cadmium	5.0 U	5.0 U	5.0 U	5.0 U	50.0 U	50.0 B	50.0 U	50.0 U
Calcium	39300.0 J	73600.0	65300.0 J	66500.0	438000.0 J	280000.0	267000.0 J	287000.0
Chromium	16.0	525.0 J	9.0 U	144.0 J	90.0 U	290.0 J	90.0 U	190.0 J
Cobalt	7.0 U	72.0	8.0	58.0	70.0 U	70.0 U	80.0 U	70.0 U
Copper	3.0 U	445.0	3.0 U	77.0	30.0 U	80.0	30.0 U	110.0
Iron	220.0 J	124000.0	20.0 U	108000.0	316000.0 J	142000.0	102000.0 J	151000.0
Lead	2.8 B	600.0 J	1.2 B	48.0 J	9.0 U	146.0 J	11.0 B	271.0 J
Magnesium	3590.0	24100.0	30900.0	48600.0	99100.0	81500.0	80900.0	82900.0
Manganese	16.0 J	1460.0	3540.0 J	4840.0	6450.0 J	3010.0	2650.0 J	3170.0
Mercury	.2 U	.2 U	.2 U	.2 U	.2 U	.2 U	.2 U	.2 U
Nickel	20.0 U	200.0	171.0 J	165.0	270.0 J	200.0 U	200.0 U	200.0 U
Potassium	4290.0	14000.0	12900.0	20700.0	22000.0	17400.0	17300.0	17700.0
Selenium	.6 B	3.0 UL	3.6 B	3.0 B	6.0 U	6.0 UL	6.0 U	6.0 UL
Silver	5.0 U	25.0 UL	5.0 U	10.0 UL	50.0 U	50.0 UL	50.0 U	50.0 UL
Sodium	127000.0	125000.0	212000.0	198000.0	113000.0	101000.0	103000.0	102000.0
Thallium	R	4.5 UL	R	4.5 UL	R	9.0 UL	R	9.0 UL
Vanadium	34.0	244.0	6.0	222.0	60.0 U	80.0	60.0 U	80.0
Zinc	12.0 B	730.0	25.0 B	383.0 J	1680.0 J	1200.0 J	720.0 J	1340.0 J
Cyanide								

ALLIED FRANKFORD RFI PHASE I MONITORING WELL BLANKS
INORGANIC COMPOUNDS (ALL DATA IN UG/L)

Sample No.:	S122-02	S122-03	S122-02D Filtered	S122-03D Filtered
Date Sampled:	1/22/92	1/22/92	1/22/92	1/22/92
Description:	Field Blank	Rinsate Blank	Field Blank	Rinsate Blank
COMPOUND				
Aluminum	20.0 U	20.0 U	20.0 U	20.0 U
Antimony	8.0 U	8.0 U	8.0 U	8.0 U
Arsenic	.9 U	.9 U	.9 U	.9 U
Barium	2.0 U	2.0 U	2.0 U	2.0 U
Beryllium	1.0 U	1.0 U	1.0 U	1.0 U
Cadmium	5.0 U	5.0	7.0	5.0 U
Calcium	95.0	113.0	213.0	209.0
Chromium	9.0 U	9.0 U	9.0 U	9.0 U
Cobalt	7.0 U	7.0 U	7.0 U	7.0 U
Copper	3.0 U	3.0 U	3.0 U	3.0 U
Iron	20.0 U	30.0	20.0 U	20.0 U
Lead	.9 U	.9	.9 U	.9 U
Magnesium	24.0	20.0 U	20.0 U	46.0
Manganese	2.0 U	2.0 U	2.0 U	2.0 U
Mercury	.2 U	.2 U	.2 U	.2 U
Nickel	20.0 U	20.0 U	20.0 U	20.0 U
Potassium	100.0 U	100.0 U	100.0 U	100.0 U
Selenium	.6 U	.6 U	.6 U	.6 U
Silver	5.0 U	5.0 U	5.0 U	5.0 U
Sodium	73.0	27.0	75.0	139.0
Thallium	.9 U	.9 U	.9 U	.9 U
Vanadium	6.0 U	6.0 U	6.0 U	6.0 U
Zinc	8.0	6.0	10.0	6.0
Cyanide				

ALLIED FRANKFORD RFI PHASE I MONITORING WELL SAMPLES
OTHER ORGANIC DETECTIONS (ALL DATA IN UG/L)

Sample No.:	MW10101	MW10201	MW10301	MW10401
Dilution Factor:	1.0	1.0	1.0	1.0
Date Sampled:	1/22/92	1/22/92	1/22/92	1/22/92
COMPOUND				Duplicate of MW10301
Organic Carbon	11000.00	5000.00	260000.00	250000.00
2,3,7,8 - TCDD Screen	.05 U	.05 U	.05 U	.50 U
disulfoton	2.00 U	4.00 U	2.00 U	2.00 U
methyl parathion	.30 U	.60 U	.30 U	.30 U
phorate	2.00 U	3.00 U	2.00 U	2.00 U
2,4,5 - T	1.00 U	1.00 U	1.00 U	1.00 U
2,4,5 -TP (silvex)	1.00 U	1.00 U	1.00 U	1.00 U
2,4 - D	1.00 U	1.00 U	1.00 U	1.00 U

ALLIED FRANKFORD RFI PHASE I MONITORING WELL SAMPLES
OTHER ORGANIC BLANKS (ALL DATA IN UG/L)

Sample No.:	MW012202		MW012203	
Dilution Factor :	1.0		1.0	
Date Sampled:	1/22/92		1/22/92	
Description:	Field Blank		Rinsate Blank	
COMPOUND				
Organic Carbon	1000.00	U	1000.00	U
2,3,7,8 - TCDD Screen	.05	U	.05	U
disulfoton	2.00	U	2.00	U
methyl parathion	.30	U	.30	U
phorate	2.00	U	2.00	U
2,4,5 - T	1.00	U	1.00	U
2,4,5 -TP (silvex)	1.00	U	1.00	U
2,4 - D	1.00	U	1.00	U

ALLIED FRANKFORD RFI PHASE I MONITORING WELL SAMPLES
PESTICIDE / PCB COMPOUNDS (ALL DATA IN UG/L)

Sample No.:	MW10101	MW10201	MW10301	MW10401
Dilution Factor:	1.0	1.0	2.0	5.0
Date Sampled:	1/22/92	1/22/92	1/22/92	1/22/92
COMPOUND				Duplicate of MW10301
alpha-BHC	.05 U	.05 U	.10 U	.25 U
beta-BHC	.05 U	.05 U	.10 U	.25 U
delta-BHC	.05 U	.05 U	.10 U	.25 U
gamma-BHC (lindane)	.05 U	.05 U	.10 U	.25 U
heptachlor	.05 U	.05 U	.10 U	.25 U
aldrin	.05 U	.05 U	.10 U	.25 U
heptachlor epoxide	.05 U	.05 U	.10 U	.25 U
endosulfan I	.05 U	.05 U	.10 U	.25 U
dieldrin	.10 U	.10 U	.20 U	.50 U
4,4'-DDE	.10 U	.10 U	.20 U	.50 U
endrin	.10 U	.10 U	.20 U	.50 U
endosulfan II	.10 U	.10 U	.20 U	.50 U
4,4'-DDD	.10 U	.10 U	.20 U	.50 U
endosulfan sulfate	.10 U	.10 U	.20 U	.50 U
4,4'-DDT	.10 U	.10 U	.20 U	.50 U
methoxychlor	.50 U	.50 U	1.00 U	2.50 U
endrin ketone	.10 U	.10 U	.20 U	.50 U
alpha chlordane	.50 U	.50 U	1.00 U	2.50 U
gamma chlordane	.50 U	.50 U	1.00 U	2.50 U
toxaphene	1.00 U	1.00 U	2.00 U	5.00 U
aroclor-1016	.50 U	.50 U	1.00 U	2.50 U
aroclor-1221	.50 U	.50 U	1.00 U	2.50 U
aroclor-1232	.50 U	.50 U	1.00 U	2.50 U
aroclor-1242	.50 U	.50 U	1.00 U	2.50 U
aroclor-1248	.50 U	.50 U	1.00 U	2.50 U
aroclor-1254	1.00 U	1.00 U	2.00 U	5.00 U
aroclor-1260	1.00 U	1.00 U	2.00 U	5.00 U

ALLIED FRANKFORD RFI PHASE I MONITORING WELL BLANKS
PESTICIDE / PCB COMPOUNDS (ALL DATA IN UG/L)

Sample No.:	MW012202	MW012203
Dilution Factor:	1.0	1.0
Date Sampled:	1/22/92	1/22/92
Description:	Field Blank	Rinsate Blank
COMPOUND		
alpha-BHC	.05 U	.05 U
beta-BHC	.05 U	.05 U
delta-BHC	.05 U	.05 U
gamma-BHC (lindane)	.05 U	.05 U
heptachlor	.05 U	.05 U
aldrin	.05 U	.05 U
heptachlor epoxide	.05 U	.05 U
endosulfan I	.05 U	.05 U
dieldrin	.10 U	.10 U
4,4'-DDE	.10 U	.10 U
endrin	.10 U	.10 U
endosulfan II	.10 U	.10 U
4,4'-DDD	.10 U	.10 U
endosulfan sulfate	.10 U	.10 U
4,4'-DDT	.10 U	.10 U
methoxychlor	.50 U	.50 U
endrin ketone	.10 U	.10 U
alpha chlordane	.50 U	.50 U
gamma chlordane	.50 U	.50 U
toxaphene	1.00 U	1.00 U
aroclor-1016	.50 U	.50 U
aroclor-1221	.50 U	.50 U
aroclor-1232	.50 U	.50 U
aroclor-1242	.50 U	.50 U
aroclor-1248	.50 U	.50 U
aroclor-1254	1.00 U	1.00 U
aroclor-1260	1.00 U	1.00 U

ALLIED FRANKFORD RFI PHASE I MONITORING WELL SAMPLES
VOLATILE ORGANIC COMPOUNDS (ALL DATA IN UG/L)

Sample No.:	MW10101	MW10201	MW10301	MW10401
Dilution Factor:	1.0	1.0	200	200
Date Sampled:	1/22/92	1/22/92	1/22/92	1/22/92
COMPOUND				Duplicate of MW10301
chloromethane	10 U	10 U	2000 U	2000 U
bromomethane	10 U	10 U	2000 U	2000 U
vinyl chloride	10 U	10 U	2000 U	2000 U
chloroethane	10 U	10 U	2000 U	2000 U
methylene chloride	5 U	5 U	1000 U	1000 U
acetone	10 U	10 U	150000 DJ	150000 DJ
carbon disulfide	5 U	5 U	1000 U	1000 U
1,1-dichloroethene	5 U	5 U	1000 U	1000 U
1,1-dichloroethane	5 U	5 U	1000 U	1000 U
1,2-dichloroethene(total)	5 U	5 U	1000 U	1000 U
chloroform	5 U	5 U	1000 U	1000 U
1,2-dichloroethane	5 U	5 U	1000 U	1000 U
2-butanone	10 U	10 U	2000 U	2000 U
1,1,1-trichloroethane	5 U	5 U	1000 U	1000 U
carbon tetrachloride	5 U	5 U	1000 U	1000 U
vinyl acetate	10 U	10 U	2000 U	2000 U
bromodichloromethane	5 U	5 U	1000 U	1000 U
1,2-dichloropropane	5 U	5 U	1000 U	1000 U
cis-1,3-dichloropropene	5 U	5 U	1000 U	1000 U
trichloroethene	5 U	5 U	1000 U	1000 U
dibromochloromethane	5 U	5 U	1000 U	1000 U
1,1,2-trichloroethane	5 U	5 U	1000 U	1000 U
benzene	5 U	5 U	56000 DJ	58000 DJ
trans-1,3-dichloropropene	5 U	5 U	1000 U	1000 U
bromoform	5 U	5 U	1000 U	1000 U
4-methyl-2-pentanone	10 U	10 U	2000 U	2000 U
2-hexanone	10 U	10 U	2000 U	2000 U
tetrachloroethene	5 U	5 U	1000 U	1000 U
1,1,2,2-tetrachloroethane	5 U	5 U	1000 U	1000 U

ALLIED FRANKFORD RFI PHASE I MONITORING WELL SAMPLES
VOLATILE ORGANIC COMPOUNDS (ALL DATA IN UG/L)

Sample No.:	MW10101	MW10201	MW10301	MW10401
Dilution Factor:	1.0	1.0	200	200
Date Sampled:	1/22/92	1/22/92	1/22/92	1/22/92
COMPOUND				Duplicate of MW10301
toluene	5 U	5 U	22000 DJ	23000 DJ
chlorobenzene	5 U	5 U	860 J	860 J
ethylbenzene	5 U	5 U	1000 U	1000 U
styrene	5 U	5 U	650 J	1000 U
total xylenes	5 U	5 U	1700	1600
a-methyl styrene	5 U	5 U	1000 U	1000 U
cumene	260 D	4 B	1000 U	1000 U

ALLIED FRANKFORD RFI PHASE I MONITORING WELL BLANKS
VOLATILE ORGANIC COMPOUNDS (ALL DATA IN UG/L)

Sample Location:	MW012201	MW012202	MW012203
Dilution Factor:	1	1	1
Date Sampled:	1/22/92	1/22/92	1/22/92
	Trip Blank	Field Blank	Rinsate Blank
COMPOUND			
chloromethane	10 U	10 U	10 U
bromomethane	10 U	10 U	10 U
vinyl chloride	10 U	10 U	10 U
chloroethane	10 U	10 U	10 U
methylene chloride	5 U	5 U	5 U
acetone	10 U	10 U	10 U
carbon disulfide	5 U	5 U	5 U
1,1-dichloroethene	5 U	5 U	5 U
1,1-dichloroethane	5 U	5 U	5 U
1,2-dichloroethene(total)	5 U	5 U	5 U
chloroform	5 U	5 U	5 U
1,2-dichloroethane	5 U	5 U	5 U
2-butanone	10 U	10 U	10 U
1,1,1-trichloroethane	5 U	5 U	5 U
carbon tetrachloride	5 U	5 U	5 U
vinyl acetate	10 U	10 U	10 U
bromodichloromethane	5 U	5 U	5 U
1,2-dichloropropane	5 U	5 U	5 U
cis-1,3-dichloropropene	5 U	5 U	5 U
trichloroethene	5 U	5 U	5 U
dibromochloromethane	5 U	5 U	5 U
1,1,2-trichloroethane	5 U	5 U	5 U
benzene	5 U	5 U	5 U
trans-1,3-dichloropropene	5 U	5 U	5 U
bromoform	5 U	5 U	5 U
4-methyl-2-pentanone	10 U	10 U	10 U
2-hexanone	10 U	10 U	10 U

ALLIED FRANKFORD RFI PHASE I MONITORING WELL BLANKS
VOLATILE ORGANIC COMPOUNDS (ALL DATA IN UG/L)

Sample Location:	MW012201	MW012202	MW012203
Dilution Factor:	1	1	1
Date Sampled:	1/22/92	1/22/92	1/22/92
	Trip Blank	Field Blank	Rinsate Blank
COMPOUND			
tetrachloroethene	5 U	5 U	5 U
1,1,2,2-tetrachloroethane	5 U	5 U	5 U
toluene	5 U	5 U	5 U
chlorobenzene	5 U	5 U	5 U
ethylbenzene	5 U	5 U	5 U
styrene	5 U	5 U	5 U
total xylenes	5 U	5 U	5 U
a-methyl styrene	5 U	5 U	5 U
cumene	5 U	5 U	5 U

ALLIED FRANKFORD RFI PHASE I MONITORING WELL SAMPLES
BASE / NEUTRAL / ACID COMPOUNDS (ALL DATA IN UG/L)

Sample No.:	MW10101		MW10201		MW10301		MW10401	
Dilution Factor:	1.0		1.0		50		50	
Date Sampled:	1/22/92		1/22/92		1/22/92		1/22/92	
COMPOUND							Duplicate of MW10301	
field ph (SI units)	8.25		6.69		5.90		5.90	
phenol	10.00	U	10.00	U	68000.00	D	50000.00	D
bis(2-chloroethyl) ether	10.00	U	10.00	U	500.00	U	500.00	U
2-chlorophenol	10.00	U	10.00	U	500.00	U	500.00	U
1,3-dichlorobenzene	10.00	U	10.00	U	500.00	U	500.00	U
1,4-dichlorobenzene	10.00	U	10.00	U	500.00	U	500.00	U
benzyl alcohol	10.00	U	10.00	U	500.00	U	500.00	U
1,2-dichlorobenzene	10.00	U	10.00	U	500.00	U	500.00	
2-methylphenol	10.00	U	10.00	U	2200.00		1900.00	
bis(2-chloroisopropyl) ether	10.00	U	10.00	U	500.00	U	500.00	U
4-methylphenol	10.00	U	10.00	U	3900.00		3300.00	
N-nitroso-di-n-propylamine	10.00	U	10.00	U	500.00	U	500.00	U
hexachloroethane	10.00	U	10.00	U	500.00	U	500.00	U
nitrobenzene	10.00	U	10.00	U	500.00	U	500.00	U
isophorone	10.00	U	10.00	U	500.00	U	500.00	U
2-nitrophenol	10.00	U	10.00	U	500.00	U	500.00	U
2,4-dimethylphenol	10.00	U	10.00	U	5500.00	D	3900.00	
benzoic acid	50.00	U	50.00	U	9700.00		9700.00	J
bis(2-chloroethoxy) methane	10.00	U	10.00	U	500.00	U	500.00	J
2,4-dichlorophenol	10.00	U	10.00	U	500.00	U	500.00	J
1,2,4-trichlorobenzene	10.00	U	10.00	U	500.00	U	500.00	J
naphthalene	33.00		10.00	U	19000.00	D	18000.00	
4-chloroaniline	10.00	U	10.00	U	500.00	U	500.00	U
hexachlorobutadiene	10.00	U	10.00	U	500.00	U	500.00	U
4-chloro-3-methylphenol	10.00	U	10.00	U	500.00	U	500.00	U
2-methylnaphthalene	10.00	U	10.00	U	1400.00		1600.00	
hexachlorocylclopentadiene	10.00	U	10.00	U	500.00	U	500.00	U
2,4,6-trichlorophenol	10.00	U	10.00	U	500.00	U	500.00	U
2,4,5-trichlorophenol	50.00	U	50.00	U	2500.00	U	2500.00	U

ALLIED FRANKFORD RFI PHASE I MONITORING WELL SAMPLES
BASE / NEUTRAL / ACID COMPOUNDS (ALL DATA IN UG/L)

Sample No.:	MW10101		MW10201		MW10301		MW10401	
Dilution Factor:	1.0		1.0		50		50	
Date Sampled:	1/22/92		1/22/92		1/22/92		1/22/92	
COMPOUND							Duplicate of MW10301	
2-chloronaphthalene	10.00	U	10.00	U	500.00	U	500.00	U
2-nitroaniline	50.00	U	50.00	U	2500.00	U	2500.00	U
dimethyl phthalate	10.00	U	10.00	U	500.00	U	500.00	U
acenaphthylene	10.00	U	10.00	U	500.00	U	500.00	U
2,6-dinitrotoluene	10.00	U	10.00	U	500.00	U	500.00	U
3-nitroaniline	50.00	U	50.00	U	2500.00	U	2500.00	U
acenaphthene	13.00		10.00	U	500.00	U	500.00	U
2,4-dinitrophenol	50.00	U	50.00	U	2500.00	U	2500.00	U
4-nitrophenol	50.00	U	50.00	U	2500.00	U	2500.00	U
dibenzofuran	7.00	J	10.00	U	500.00	U	500.00	U
2,4-dinitrotoluene	7.00	U	10.00	U	500.00	U	500.00	U
diethyl phthalate	7.00	U	10.00	U	500.00	U	500.00	U
4-chlorophenyl-phenylether	7.00	U	10.00	U	500.00	U	500.00	U
fluorene	7.00	U	10.00	U	500.00	U	500.00	U
4-nitroaniline	50.00	U	50.00	U	2500.00	U	500.00	U
4,6-dinitro-2-methylphenol	50.00	U	50.00	U	2500.00	U	500.00	U
N-nitrosodiphenylamine	10.00	U	10.00	U	500.00	U	500.00	U
4-bromophenyl-phenylether	10.00	U	10.00	U	500.00	U	500.00	U
hexachlorobenzene	10.00	U	10.00	U	500.00	U	500.00	U
pentachlorophenol	50.00	U	50.00	U	2500.00	U	2500.00	U
phenanthrene	10.00	U	10.00	U	500.00	U	500.00	U
anthracene	10.00	U	10.00	U	500.00	U	500.00	U
di-n-butyl phthalate	10.00	U	10.00	U	500.00	U	500.00	U
fluoranthene	10.00	U	10.00	U	500.00	U	500.00	U
pyrene	10.00	U	10.00	U	500.00	U	500.00	U
butylbenzyl phthalate	10.00	U	10.00	U	500.00	U	500.00	U
3,3'-dichlorobenzidine	20.00	U	20.00	U	1000.00	U	1000.00	U
benzo(a)anthracene	10.00	U	10.00	U	500.00	U	500.00	U
chrysene	10.00	U	10.00	U	500.00	U	500.00	U
bis(2-ethylhexyl) phthalate	10.00	U	10.00	U	500.00	U	500.00	U

ALLIED FRANKFORD RFI PHASE I MONITORING WELL SAMPLES
BASE / NEUTRAL / ACID COMPOUNDS (ALL DATA IN UG/L)

Sample No.:	MW10101	MW10201	MW10301	MW10401
Dilution Factor:	1.0	1.0	50	50
Date Sampled:	1/22/92	1/22/92	1/22/92	1/22/92
COMPOUND				Duplicate of MW10301
di-n-octyl phthalate	10.00 U	10.00 U	500.00 U	500.00 U
benzo(b)fluoranthene	10.00 U	10.00 U	500.00 U	500.00 U
benzo(k)fluoranthene	10.00 U	10.00 U	500.00 U	500.00 U
benzo(a)pyrene	10.00 U	10.00 U	500.00 U	500.00 U
indeno(1,2,3-cd)pyrene	10.00 U	10.00 U	500.00 U	500.00 U
dibenz(a,h)anthracene	10.00 U	10.00 U	500.00 U	500.00 U
benzo(g,h,i)perylene	10.00 U	10.00 U	500.00 U	500.00 U

ALLIED FRANKFORD RFI PHASE I MONITORING WELL BLANKS
BASE / NEUTRAL / ACID COMPOUNDS (ALL DATA IN UG/L)

Sample No:	MW012202	MW012203
Dilution Factor:	1	1
Date Sampled:	1/22/92	1/22/92
Description:	Field Blank	Rinsate Blank
COMPOUND		
phenol	10 U	10 U
bis(2-chloroethyl) ether	10 U	10 U
2-chlorophenol	10 U	10 U
1,3-dichlorobenzene	10 U	10 U
1,4-dichlorobenzene	10 U	10 U
benzyl alcohol	10 U	10 U
1,2-dichlorobenzene	10 U	10 U
2-methylphenol	10 U	10 U
bis(2-chloroisopropyl) ether	10 U	10 U
4-methylphenol	10 U	10 U
N-nitroso-di-n-propylamine	10 U	10 U
hexachloroethane	10 U	10 U
nitrobenzene	10 U	10 U
isophorone	10 U	10 U
2-nitrophenol	10 U	10 U
2,4-dimethylphenol	10 U	10 U
benzoic acid	50 U	50 U
bis(2-chloroethoxy) methane	10 U	10 U
2,4-dichlorophenol	10 U	10 U
1,2,4-trichlorobenzene	10 U	10 U
naphthalene	10 U	10 U
4-chloroaniline	10 U	10 U
hexachlorobutadiene	10 U	10 U
4-chloro-3-methylphenol	10 U	10 U
2-methylnaphthalene	10 U	10 U
hexachlorocylclopentadiene	10 U	10 U
2,4,6-trichlorophenol	10 U	10 U

ALLIED FRANKFORD RFI PHASE I MONITORING WELL BLANKS
BASE / NEUTRAL / ACID COMPOUNDS (ALL DATA IN UG/L)

Sample No:	MW012202	MW012203
Dilution Factor:	1	1
Date Sampled:	1/22/92	1/22/92
Description:	Field Blank	Rinsate Blank
COMPOUND		
2,4,5-trichlorophenol	50 U	50 U
2-chloronaphthalene	10 U	10 U
2-nitroaniline	50 U	50 U
dimethyl phthalate	10 U	10 U
acenaphthylene	10 U	10 U
2,6-dinitrotoluene	10 U	10 U
3-nitroaniline	50 U	50 U
acenaphthene	10 U	10 U
2,4-dinitrophenol	50 U	50 U
4-nitrophenol	50 U	50 U
dibenzofuran	10 U	10 U
2,4-dinitrotoluene	10 U	10 U
diethyl phthalate	10 U	10 U
4-chlorophenyl-phenylether	10 U	10 U
fluorene	10 U	10 U
4-nitroaniline	50 U	50 U
4,6-dinitro-2-methylphenol	50 U	50 U
N-nitrosodiphenylamine	10 U	10 U
4-bromophenyl-phenylether	10 U	10 U
hexachlorobenzene	10 U	10 U
pentachlorophenol	50 U	50 U
phenanthrene	10 U	10 U
anthracene	10 U	10 U
di-n-butyl phthalate	10 U	10 U
fluoranthene	10 U	10 U
pyrene	10 U	10 U
butylbenzyl phthalate	10 U	10 U
3,3'-dichlorobenzidine	20 U	20 U

ALLIED FRANKFORD RFI PHASE I MONITORING WELL BLANKS
BASE / NEUTRAL / ACID COMPOUNDS (ALL DATA IN UG/L)

Sample No:	MW012202	MW012203
Dilution Factor:	1	1
Date Sampled:	1/22/92	1/22/92
Description:	Field Blank	Rinsate Blank
COMPOUND		
benzo(a)anthracene	10 U	10 U
chrysene	10 U	10 U
bis(2-ethylhexyl) phthalate	10 U	10 U
di-n-octyl phthalate	10 U	10 U
benzo(b)fluoranthene	10 U	10 U
benzo(k)fluoranthene	10 U	10 U
benzo(a)pyrene	10 U	10 U
indeno(1,2,3-cd)pyrene	10 U	10 U
dibenz(a,h)anthracene	10 U	10 U
benzo(g,h,i)perylene	10 U	10 U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW10101

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: ASP SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P187515

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP01279201

Level: (low/med) LOW Date Received: 01/22/92

% Moisture: not dec. ____ Date Analyzed: 01/27/92

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	HYDROCARBON (MW=118)[C9H10]	17.99	854 14	JN B
2. *	HYDROCARBON (MW=132)[C10H12]	18.65	~~886~~ 7.0	JN
3.	METHYLBENZOFURAN ISOMER C9H8O	18.94	899 5.8	JN

2) ethyl-styrene $C_{10}H_{12}$, isomer

00053

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW10101DL

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: ASP SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P187515DL

Sample wt/vol: 2.5 (g/mL) ML Lab File ID: DVP01279209

Level: (low/med) LOW Date Received: 01/22/92

% Moisture: not dec. ____ Date Analyzed: 01/27/92

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 580-51-8	~~1,1' BIPHENYL~~	17.90	852 14	~~JN~~ B
2.	HYDROCARBON (MW=118)[C9H10]	18.02	856 25	JN
3. 101-84-8	BENZENE,1,1'-OXYBIS-FALKENYL Bank Cont. benzene * TIC	18.70	~~888~~ 90	JN

2) methyl styrene (NOT target)

* 3) $C_{12}H_{10}O$ (B) + methylstyrene

IS 3 = 652

00072

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW10101

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: ASP SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P187515

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02069206

Level: (low/med) LOW Date Received: 01/22/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 01/27/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/06/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 90-12-0	NAPHTHALENE, 1-METHYL- isomer	11.39	8.5	JN
2.	ALKYLPHENOL (MW=212;C15H16O)	16.54	50	JN
3. 599-64-4	isomer 4-(1-METHYL-1-PHENYLETHYL)-Phenol	18.27	690	JN
4.	~~UNKNOWN~~ Saturated hydrocarbon	24.05	8.6	JN

2) isomer of methyl-phenylethyl phenol

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW10201

b Name: NUS-LSG Contract: _____

b Code: HNUS Case No.: ASP SAS No.: _____ SDG No.: PKG4

trix: (soil/water) WATER Lab Sample ID: P187517

mple wt/vol: 5.0 (g/mL) ML Lab File ID: DVP01279202

vel: (low/med) LOW Date Received: 01/22/92

Moisture: not dec. ____ Date Analyzed: 01/27/92

lumn (pack/cap) CAP Dilution Factor: 1.0

ıber TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 95-13-6	1H-INDENE or isomer, C_9H_8	18.19	864 7.2	JN

00093

FORM I VOA-TIC

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW10201

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: ASP SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P187517

Sample wt/vol: 1000 (g/mL) ML Lab File ID: BBP02079204

Level: (low/med) LOW Date Received: 01/22/92

Moisture: not dec. ____ dec. ____ Date Extracted: 01/27/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/07/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN (MW=143) unsaturated	9.42	17	JN
2. 92-52-4	~~1,1'-BIPHENYL~~	~~13.25~~ 11.20	~~11~~	JN B
3. 101-84-8	~~BENZENE, 1,1'-OXYBIS-~~	~~13.55~~ 11.45	~~45~~	JN B

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW10301

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: ASP SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P187524

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP01299205

Level: (low/med) LOW Date Received: 01/22/92

% Moisture: not dec. ____ Date Analyzed: 01/29/92

Column (pack/cap) CAP Dilution Factor: 200

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	METHYLPYRIDINE ISOMER C_6H_7N	17.27	820 41000	JN
2. 271-89-6	BENZOFURAN $C_9H_6O_4$	17.39	828 2000	JN
3. 580-51-8	~~1,1'-BIPHENYL~~	~~17.99~~	~~854 65000~~	~~JN B~~
4. 95-13-6	1H-INDENE or isomer - C_9H_8	18.24	866 1400	JN
5. 101-84-8	~~BENZENE, 1,1'-OXYBIS~~	~~18.74~~	~~890 160000~~	~~JN B~~

1) or aniline, CAS# 62-53-3

IS3-651

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW10301DL

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: ASP SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P187524DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP01309201

Level: (low/med) LOW Date Received: 01/22/92

% Moisture: not dec. ____ Date Analyzed: 01/30/92

Column (pack/cap) CAP Dilution Factor: 800

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW10301

ab Name: NUS-LSG Contract: _____

ab Code: HNUS Case No.: ASP SAS No.: _____ SDG No.: PKG4

atrix: (soil/water) WATER Lab Sample ID: P187524

ample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02099201

evel: (low/med) LOW Date Received: 01/22/92

Moisture: not dec. ____ dec. ____ Date Extracted: 01/27/92

xtraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/09/92

PC Cleanup: (Y/N) N pH: ____ Dilution Factor: 50

umber TICs found: 19

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	METHYLPYRIDINE ISOMER C_6H_7N	3.22	2500	JN
2. 928-95-0	2-HEXEN-1-OL (E) $C_6H_{12}O$	4.18	620	JN
3.	DIMETHYLPYRIDINE ISOMER+ALKY Benzene	5.48	520	JN
4.	ALKYLBENZENE (MW=120)	6.05	910	JN
5. 271-89-6	BENZOFURAN C_8H_6O	6.12	1100	JN
6. 496-11-7	1H-INDENE, 2,3-DIHYDRO- Isomer	6.78	1300	JN
7. 95-13-6	1H-INDENE C_9H_8 Isomer	6.93	3700	JN
8. 98-86-2	ETHANONE, 1-PHENYL- C_8H_8O	7.28	1400	JN
9. 617-94-7 ISO	ALPHA,ALPHA-DIMETHYLBENZENEM ethanol	58	930	JN
10. $C_8H_{10}O$	DIMETHYLPHENYL ISOMER+UNKNOWN	7.92	1700	JN
11.	ALKYLPHENOL (MW=122) Isomer	8.87	5200	JN
12. 95-15-8	BENZO[B]THIOPHENE C_8H_6S	9.37	1200	JN
13.	TRIMETHYLPHENOL ISOMER $C_9H_{12}O$	9.47	480	JN
14. 119-65-3	ISOQUINOLINE C_9H_7N	10.07	2500	JN
15.	ETHYLMETHYLPHENOL ISOMER $C_9H_{12}O$	10.27	530	JN
16. 90-12-0 Isomer	NAPHTHALENE, 1-METHYL- $C_{11}H_{10}$	11.19	600	JN
17. 90-43-7 Isomer	[1,1'-BIPHENYL]-2-OL $C_{12}H_{10}O$	13.99	15000	JN
18.	[1,1'-BIPHENYL]-OL ISOMER	16.25	3800	JN
19.	[1,1'-BIPHENYL]-OL ISOMER	16.37	2900	JN

6) or propenyl benzene
11) such as dimethylphenol

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW10301DL

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: ASP SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P187524DL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02109201

Level: (low/med) LOW Date Received: 01/22/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 01/27/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/10/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 330

Number TICs found: 14

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 95-13-6	1H-INDENE	6.80	4200	JN
2. 119-65-3	ISOQUINOLINE	9.94	2900	JN
3.	UNKNOWN (CONTAINS SILICON) suspect	12.00	11000	JN
4.	ALKYLSILOXANE suspect	13.34	16000	JNX
5. 90-43-7	[1,1'-BIPHENYL]-2-OL ✓ isomer	13.82	20000	JN
6.	UNKNOWN (CONTAINS SILICON) suspect	14.22	8100	JN
7.	~~UNKNOWN~~ saturated HC	14.72	17000	JNX
8.	UNKNOWN (CONTAINS SILICON) suspect	15.49	5000	JN
9.	~~UNKNOWN~~ saturated HC	15.90	4100	JN
10. $C_{16}H_{18}$ isomer	ALKYL-1,1'-BIPHENYL (MW=210) ✓	16.22	9300	JN
11. " " "	ALKYL-1,1'-BIPHENYL (MW=210) ✓	16.69	3600	JN
12.	UNKNOWN (CONTAINS SILICON)	16.94	5100	JN
13.	UNKNOWN (CONTAINS SILICON) suspect	18.05	8300	JN
14.	UNKNOWN (CONTAINS SILICON) suspect	19.47	4900	JN

[3, 4, 6, 8, 12, 13, 14] – column bleed; suspected laboratory artifacts

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW10401

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: ASP SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P187526

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP01299209

Level: (low/med) LOW Date Received: 01/22/92

% Moisture: not dec. ____ Date Analyzed: 01/29/92

Column (pack/cap) CAP Dilution Factor: 200

Number TICs found: 7

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Suspected artifact UNKNOWN (CONTAINS SILICON)	10.49	498 1100	JN
2.	ALKYLTRISILOXANE Susp. artifact	11.62	552 25000	JN Suspec
3.	ALKYLSILOXANE Suspect artifact	15.42	732 3800	JN
4.	METHYLPYRIDINE ISOMER	16.84	802 1300	JN
5.	METHYLPYRIDINE ISOMER	17.24	819 2900	JN
6. 580-51-8	~~1,1'-BIPHENYL~~	~~17.95~~	~~17000~~	JN B
7. 101-84-8	~~BENZENE, 1,1'-OXYBIS-~~	~~18.70~~	~~57000~~	JN B

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW10401DL

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: ASP SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P187526DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DVP01309202

Level: (low/med) LOW Date Received: 01/22/92

% Moisture: not dec. ____ Date Analyzed: 01/30/92

Column (pack/cap) CAP Dilution Factor: 800

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW10401

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: ASP SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P187526

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02099202

Level: (low/med) LOW Date Received: 01/22/92

% Moisture: not dec. ____ dec. ____ Date Extracted: 01/27/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/09/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 50

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 110-86-1	PYRIDINE C_5H_5N	2.18	3800	JN
2.	METHYLPYRIDINE ISOMER C_6H_7N	3.17	420	JN
3.	METHYLPYRIDINE ISOMER "	3.25	1800	JN
4. 108-93-0	CYCLOHEXANOL	4.22	530	JN
5. C_9H_{12}	TRIMETHYLBENZENE ISOMER	6.07	1000	JN
6. 271-89-6	BENZOFURAN C_8H_6O	6.13	880	JN
7. 496-11-7	1H-INDENE,2,3-DIHYDRO- isomer	6.80	1200	JN
8. 95-13-6	1H-INDENE C_9H_8	6.95	3200	JN
9. 98-86-2	ETHANONE, 1-PHENYL- C_8H_8O	7.30	1000	JN
10. 617-94-7	ALPHA,ALPHA-DIMETHYLBENZENEMethanol	7.60	710	JN
11.	DIMETHYLPHENYL ISOMER	7.93	1600	JN
12.	DIMETHYLPHENOL ISOMER	8.87	4400	JN
13. 95-15-8	BENZO[B]THIOPHENE C_8H_6S	9.39	960	JN
14.	TRIMETHYLPHENOL ISOMER $C_9H_{12}O$	9.47	450	JN
15. 119-65-3	ISOQUINOLINE C_9H_7N	10.07	2800	JN
16.	ETHYLMETHYLPHENOL ISOMER $C_9H_{12}O$	10.27	580	JN
17. 90-12-0	NAPHTHALENE, 1-METHYL- isomer	11.17	960	JN
18. 90-43-7 $C_{12}H_{10}O$	[1,1'-BIPHENYL]-2-OL isomer	13.97	16000	JN
19.	[1,1'-BIPHENYL]-OL ISOMER	16.22	2700	JN
20.	[1,1'-BIPHENYL]-OL ISOMER	16.34	2000	JN

7) or propenyl benzene

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW10401DL

Lab Name: NUS-LSG Contract: _____

Lab Code: HNUS Case No.: ASP SAS No.: _____ SDG No.: PKG4

Matrix: (soil/water) WATER Lab Sample ID: P187526DL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ABP02109202

Level: (low/med) LOW Date Received: 01/22/92

Moisture: not dec. ____ dec. ____ Date Extracted: 01/27/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 02/10/92

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 250

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 110-86-1	PYRIDINE	2.22	3400	JN
2. 95-13-6	1H-INDENE	6.95	2800	JN
3. 90-43-7	[1,1'-BIPHENYL]-2-OL isoma	13.94	14000	JN