40827

PROJECT NAME: Dominic Salvage
TDD NO: F3-[illegible]-12

EPA SITE NO.:
REGION: III

QUALITY ASSURANCE REVIEW OF INORGANIC ANALYTICAL DATA PACKAGE

Case No.: 2420
Contract No.: 68-01-6829
Contract Laboratory: Chemtech
Applicable IFB No.: WA83-A179
Reviewer: Atwood F. Davis
Review Date: 8-14-84

Applicable Sample No's.:
MC-2766 through and including MC
MC-3732 through and including MC-37
MC-3752 through and including MC-37
MC-3779, MC-3780, MC-3781, and
MC-3800.

The inorganic analytical data for this case has been reviewed. The quality assurance evaluation is summarized in the following table:

Reviewer's Evaluation*	Fraction			
	TASK I ICP or AA METALS	TASK II FURNACE AA METALS	TASK II COLD VAPOR AA MERCURY	TASK III CYANIDE
Acceptable			✓	✓
Acceptable with exception(s)	✓ (1)	✓ (1)		
Questionable				
Unacceptable				

* Definitions of the evaluation score categories are listed on next page.

This evaluation was based upon an analysis of the review items indicated below:

- ● DATA COMPLETENESS
- ● BLANK ANALYSIS RESULTS
- ● MATRIX SPIKE RESULTS
- ● DUPLICATE ANALYSIS RESULTS
-) ○ STANDARD ADDITIONS RESULTS
- ‡ ● QUANTITATIVE CALCULATIONS
- ● INITIAL CALIBRATION VERIFICATION
- ● CONTINUING CALIBRATION VERIFICATION
- ● INTERFERENCE QC RESULTS
- ● DETECTION LIMITS RESULTS
- ● INSTRUMENT SENSITIVITY REPORTS

Data review forms are attached for each of the review items indicated above.

‡ No errors noted, no form attached.

◒ Spot Check performed.

Comments: (1) See Blank Analysis Results.
Not applicable, matrix spike recoveries acceptable

EVALUATION OF CONFIRMATIONS OF GC ANALYSES

SAMPLE NO	COMPOUND	GC COLUMN # 1 COLUMN: CONDITIONS: DETECTOR: OTHER: DATA FROM COLUMN # 1: ☐ RET. OR ☑ REL. RET. TIMES IN:		RELATIVE PEAK AREA RATIOS		Comments	TYPE OF CONFIRMATION (2 COL / GC/MS)	REVIEWER CONFIDENT
		Sample	Standard	Sample	Standard			
C4296	PCB 1248	6	6	2	1.2	Very good match for 1248, 2nd column, run, but not stds or std pp cont. evaluate	IC	Y
		17	18	3.5	4			
		24.5	24	5	5			
		26	27	5	6			
		34	34	11	13			
		39	38.5	19.5	23			
		44	44	22	20			
		47	47	30	26			
		52	50	38	28			
C4300	PCB 1248	1	1	4	4	See above	IC	Y
		13.5	14	7	8			
		19	20	9	10			
		22	23	6	8			
		29	30	20	25			
		33.5	34.5	36	42.5			
		39	38	34	35			
		42	43	44	48			
		45	46	76.5	52			
		48	49	40	27			

COMMENTS: _____

AR002200
003200

MATRIX SPIKE DUPLICATE/RECOVERY

CASE NO. 2420
LOW LEVEL X
WATER
QC REPORT NO.

CONTRACTOR HAZLETON LABS
MED. LEVEL
SOIL/SED. X

CONTRACT NO. 68-01-6725
HIGH LEVEL
OTHER (Specify)
UNITS (Circle) ug/kg ug/L

FRACTION	COMPOUND	SR	CONC. SPIKE ADDED	CONC. MS	% REC.	CONC. MSD	% REC	RPD	QC %RECOVERY LIMITS* RPD	WATER	SOIL	COMMENTS
VOA SMO # C4214	1,1-Dichloroethylene		34.75	36.14	104	37.53	108	4	<15%	61-145	59-177	
	Trichloroethylene		34.75	36.14	104	36.14	104	0	<15%	71-120	62-137	
	Chlorobenzene		34.75	34.75	100	36.14	104	4	<15%	75-130	60-133	
	Toluene		34.75	36.14	104	37.53	108	3	<15%	76-125	59-139	
	Benzene		34.75	40.31	104	40.31	104	0	<15%	76-127	66-142	
B/N SMO # C4300	1,2,4-Trichlorobenzene	0	4000	5720	143*	6160	154*	7.4	<50%	39- 98	38-107	
	Acenaphthene	0		3960	99	4040	101	2.0	<50%	46-118	31-137	
	2,4-Dinitrotoluene	0		2090	52	2200	55	5.6	<50%	24- 96	28- 89	
	Di-N-Butylphthalate	1940		2940	28*	6960	128	(128*)	<50%	11-117	29-135	
	Pyrene	0		5000	125	6360	159*	24	<50%	26-127	35-142	
	N-Nitrosodi-N-Propylamine			4760	119	4680	117	1.7	<50%	41-116	41-126	
	1,4-Dichlorobenzene	0		3920	98	3960	99	1.0	<50%	36- 97	28-104	
ACID SMO # C4300	Pentachlorophenol	0		ND	(0*)	ND	(0*)	0	<40%	9-103	17-109	
	Phenol	200		3120	88	3200	75	16	<40%	12- 89	26- 90	
	2-Chlorophenol	0		3200	90	2600	65	20.7	<40%	27-123	25-102	
	P-Chlor-M-Cresol	0		2560	64	1872	47	31	<40%	23- 97	26-103	
	4-Nitrophenol	0		1560	39	ND	(0*)	NA	<40%	10- 80	11-114	
PEST SMO # C2494	Lindane	5R	41.7	8.75	21*	16.1	38.6*	59.2*	<40%	56-123	46-127	
	Heptachlor	—	13.9	14.0	101	16.3	117	13.4	<40%	40-131	35-130	
	Aldrin	—	13.9	9.37	67.4	12.1	87.8	31.7	<40%	40-120	34-132	
	Dieldrin	—	13.9	7.48	53.8	11.8	84.9	44.8*	<40%	52-126	31-134	
	Endrin	—	41.7	34.3	82.2	42.3	101	20.9	<40%	56-121	42-139	
	P,P-DDT	9.1	41.7	42.1	82.3	48.0	94.5	13.1	<40%	38-127	23-134	

*Asterisked values are outside QC limits.

RPD: VOAs 0 out of 5 ; outside QC limits
B/N 1 out of 7 ; outside QC limits
ACID 0 out of 5 ; outside QC limits
PEST 2 out of 6 ; outside QC limits

RECOVERY: VOAs 0 out of 10 ; outside of QC limits
B/N 4 out of 14 ; outside of QC limits
ACID 2 out of 10 ; outside of QC limits
PEST 2 out of 12 ; outside of QC limits

*Advisory Limits Revised 12/83

→ D.L's for pentachlorophenol & 4-nitrophenol may be significantly higher than noted

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AR000201

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FORM III

SOIL SURROGATE PERCENT RECOVERY SUMMARY

CASE NO. 2420
LOW LEVEL
QC REPORT NO.

CONTRACTOR Hazleton
MED LEVEL X

CONTRACT NO. 68-C6-6125
HIGH LEVEL
OTHER (Specify)

[-------Volatile -------][----------Semi-Volatile----------][Pesticide]--[Dioxin]

SMO Traffic Report No.	D_8 Toluene (69-127)	BFB (61-122)	D_4-1,2-Dichloroethane (64-129)	D_5-Nitrobenzene (24-115)	2-Fluorobiphenyl (37-120)	D_{14}-p-Terphenyl (28-133)	OK dilution D_5 Phenol (20-106)	2-Fluorophenol (24-111)	2,4,6-Tribromophenol (11-102)	Dibutyl Chlorendate (0-205)**	1,2,3,4-TCDD (18-128)**
Blank	110	106	95	111	123*	77	104	112*	80	75	42.4
C4677 ***	118	83	100	0 *	0 *	0 *	0 *	0 *	0 *	MASKED *	24.1
C4678 ***	119	88	111	0 *	0 *	0 *	0 *	0 *	0 *	MASKED *	53.6
C4815 ***	106	106	125	0 *	0 *	0 *	0 *	0 *	0 *	126	46.7
C4833	134*	94	96	99	92	49	94	105	97	MASKED *	37.6
C4837	99	84	104	101	99	52	88	43	104	LOW LEVEL —	
C4849	104	98	106	110	94	56	96	102	90	MASKED *	56.3
C4883	110	94	99	86	94	56	75	87	65	MASKED *	34.9
C4884	91	105	— ①	86	101	51	74	81	71	MASKED *	69.0
C4893	98	97	95	91	104	100	6.6*	1.8* BLF	0*	LOW LEVEL —	

* Asterisked values are outside of QC limit.
** Advisory Limits

Comments:
BAN ⇒ *** SURROGATE DILUTED - SURROGATE CONCENTRATIONS BELOW DETECTION LIMIT ***
VOA ⇒ ① No. dy-1,2-DICHLOROETHANE WAS ADDED DUE TO SHORTAGES OF CHEMICAL TO ADD TO TETRACLYMES
Pesticide detection limits for C4677, C4678, C4833, C4849, C4883, C4884 may be significantly higher although DDT was questioned C4677, C4678, ~~& BHC in C4837~~, C4883 - DDE, Hept, DDE, & DDT in C4884.

Volatiles:	1	out of	30	outside of QC limits
Semi-Volatiles:	5	out of	42	outside of QC limits
Pesticides:	6	out of	8	outside of QC limits
Dioxin:	0	out of	8	outside of QC limits

Limits Revised 7/83

FORM III
SOIL SURROGATE PERCENT RECOVERY SUMMARY

CASE NO. 2420
LOW LEVEL X
QC REPORT NO.

CONTRACTOR HAZLETON

CONTRACT NO. 68-01-6725
HIGH LEVEL
OTHER (Specify)

[-------Volatile -------][----------Semi-Volatile----------][Pesticide]--[Dioxin]

SMO Traffic Report No.	D_8 Toluene (69-127)	BFB (61-122)	D_4-1,2-Dichloroethane (64-129)	D_5-Nitrobenzene (24-115)	2-Fluorobiphenyl (37-120)	D_{14}-p-Terphenyl (28-133)	D_5-Phenol (20-106)	2-Fluorophenol (24-111)	2,4,6-Tribromophenol (11-102)	Dibutyl Chlorendate (0-205)**	1,2,3,4-TCDD (18-128)**
M.Check	-	-	-	74	98	92	80	81	87	140	29.6
Blank	107	107	83	38	46	43	26	24	18	180	24.3
C4294	94	92	107	75	97	71	42	48	77	54	31.3
C4296	98	94	108	68	134*	88	72	72	75	MASKED *	24.6
C4298	100	91	108	65	100	76	50	52	60	MASKED *	33.3
C4300	109	80	80	104	158*	112	62	64	0*	MASKED *	40.1
C4300Sp1	-	-	-	110	150*	100	76	80	0*	-	57.6
C4300Sp2	-	-	-	130*	162*	124	68	64	0*	-	45.6
C4837	94	84	104	- Med Level → -		-	-	-	-	MASKED *	25.0
C4893	98	97	95	- Med Level → -		-	-	-	-	66	36.2
C4294MS	86	92	114	-	-	-	-	-	-	97	-
C4294MSD	100	98	115	-	-	-	-	-	-	52	-

* Asterisked values are outside of QC limit.
** Advisory Limits

Comments:
PESTICIDES - DIBUTYLCHLOR MASKED
① Pesticide D.L's for C4296, C4298, C4300, dC4837 may be significantly higher than reported.
② Although the presence of DDD in C4298, & d-BHC in C4837, if these Compounds are present, they may be significantly higher, than reported.
③ Actual D.L's for acid Compounds may be significantly higher than reported.

Volatiles:	0	out of	27 ;	outside of QC limits
Semi-Volitales:	2	out of	48 ;	outside of QC limits
Pesticides:	4	out of	10 ;	outside of QC limits
Dioxin:	0	out of	10 ;	outside of QC limits

Limits Revised 12/83

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Instrument Carryover Effects

Possible Instances of Carryover Artifacts are Tabulated and Evaluated Below:

COMPOUND IN QUESTION	Initial Run (High Level) Run I.D.	Instrument Level	Second Run Run I.D.	Instr. Level	Carryover Percent	Third Run Run I.D.	Instr. Level	Carryover Percent	Footnote Reference
O-Xylene	50 ppb	→	C4883	1.5	3%				
Acetone	100	→	↓	24.5	24.5%				#2
Toluene	50	→	↓	3.8	7.6%			-	
$MeCl_2$	50	→	↓	4.9	9.8%			-	#2

COMMENTS: (Results which are concluded to be possible artifacts, etc.)

#2 Not reported as ghost - too high % carryover

Instrument Carryover Effects

Possible Instances of Carryover Artifacts are Tabulated and Evaluated Below:

COMPOUND IN QUESTION	Initial Run (High Level) Run I.D.	Instrument Level	Second Run Run I.D.	Instr. Level	Carryover Percent	Third Run Run I.D.	Instr. Level	Carryover Percent	Footnote Reference
Bromodichloromethane	50ppb STD	50 ug/L	C4300	2.0	4%				
Chloroform	100ppb	100	↓	2.7	2.7%				
2-Hexanone	↓	↓	↓	1.7	1.7%			-	
Toluene	↓	↓	↓	5.6	5.6%			-	
Chloroform	50ppb	50	C4833	3.1	6.2%				
2-Hexanone	↓	↓	↓	4.3	8.6%				
Toluene	↓	↓	↓	3.3	6.6%				
Benzene	200ppb	200ppb	C4677	3.2	1.6%				
1,1,-Dichloroethane	↓	↓	↓	1.5	0.7%				#3
Trans 1,2-Dichloroethene	↓	↓	↓	2.3	1.2%				#3
1,1, Dichloroethene	↓	↓	↓	2.4	1.2%				#3
Chloroform	C4677	23	C4837	4.0	17%				#2
2-Hexanone	↓	17	↓	2.2	12.9%				#2
Carbon Disulfide	↓	23	↓	0.8	3.4%				
Toluene	↓	35	↓	1.8	5.1%				
$MeCl_2$	↓	136.7	↓	5.9	4.3%				
1,1,2-Trichloroethane	50ppb STD	50	C4883	1.2	2.4%				#3
Chloroform	↓	↓	↓	2.9	5.8%				
2-Hexanone	↓	↓	↓	2.4	4.8%				
Styrene	↓	↓	↓	1.3	2.6%				

COMMENTS: (Results which are concluded to be possible artifacts, etc.)

#2 Not reported as ghost - too high % carryover

#3 Not questioned for ghosting since these compounds did not ghost after other standards at same concentration.

BLANK ANALYSIS RESULTS FOR TARGET COMPOUNDS

FRACTION	TYPE	CONC	MATRIX	SAMPLE #	SOURCE OF H_2O	CONTAMINANTS (CONCENTRATION / DETECTION LIM
VOA	lab/low/sol tetraglyme			BLANK	Hazelton	Methylene Chloride (4.5 ug/L / 10) #1 Acetone (35 ug/L / 40) #1 Acrolein (21.6 ug/L / 120) #1 Carbon Disulfide (0.7 ug/L / 5) #1 Chloroform (1.7 ug/L / 5) #1 2-Butanone (110.3 ug/L / 5) #1 Benzene (3.8 ug/L / 5) #1 2-Hexanone (0.6 ug/L / 5) #1 Tetrachloroethene (7.3 ug/L / 5) #1 Toluene (1.7 ug/L / 5) #1

LABORATORY REPORTED FIELD BLANK DATA IS COMPARED WITH THE SAMPLE DATA IN A TABULATION FORM WITHI
SAMPLE ANALYTICAL DATA SUMMARY. TENTATIVELY IDENTIFIED COMPOUNDS IN BLANKS ARE LISTED ON A SEPARAT

COMMENTS:

(1) RESULT REPORTED BY LABORATORY AND CONFIRMED BY REVIEWER.

(2) RESULT INFERRED FROM QUANTITATION LIST, DIAGNOSTICS, CHROMATOGRAM AND/OR SPECTRA.

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BLANK ANALYSIS RESULTS FOR TARGET COMPOUNDS

FRACTION	TYPE	CONC	MATRIX	SAMPLE #	SOURCE OF H_2O	CONTAMINANTS (CONCENTRATION / DETECTION LIMIT
BNA	field	low	soil	C4893	NUS	N.D
VOA	field	low	soil	C4893	NUS	Methylene Chloride (5.5 ug/kg / 10) #1 Acetone (20.5 ug/kg / 40) #1 Chloroform (1.6 ug/kg / 5) #1 2-Butanone (2.7 ug/kg / 5) #1 2-Hexanone (3.3 ug/kg / 5) #1 Toluene (0.8 ug/kg / 5) #1
	Run after 3 STDS					
BNA	lab	low	soil	BLANK	Hazelton	Di-n-butyl Phthalate (7.4 ug / 10) #1
VOA	lab	low	soil	BLANK	Hazelton	Methylene Chloride (6.1 ug/L / 10) #1 Acetone (11.6 ug/L / 40) #1 Chloroform (2.2 ug/L / 5) #1 Toluene (1 ug/L / 5) #1
BNA	lab	med	soil	BLANK	Hazelton	N.D
VOA	lab	low	soil	BLANK	Hazelton	Methylene Chloride (3.1 ug/L / 10) #1 Acetone (14.2 ug/L / 40) #1 (1.1 ug/L / 5) #1 2-Butanone (5.0 ug/L / 5) #1 Toluene (0.6 ug/L / 5) #1
VOA	lab	low	soil	BLANK	Hazelton	Methylene Chloride (2.6 ug/L / 10) #1 Acetone (9.5 ug/L / 40) #1 Carbon Disulfide (0.9 ug/L / 5) #1 Chloroform (0.5 ug/L / 5) #1 2-Butanone (6.9 ug/L / 5) #1 Toluene (0.6 ug/L / 5) #1
VOA	lab	low	soil	BLANK	Hazelton	Methylene Chloride (5.6 ug/L / 10) #1 Acetone (18.3 ug/L / 40) #1 Acrolein (12 ug/L / 120) #1 Chloroform (1.2 ug/L / 5) #1 2-Butanone (58.7 ug/L / 5) #1 2-Hexanone (0.5 ug/L / 5) #1 Tetrachloroethene (5.3 ug/L / 5) #1 Toluene (1.7 ug/L / 5) #1 Styrene (0.5 ug/L / 5) #1
	1 ml tetraglyme					

LABORATORY REPORTED FIELD BLANK DATA IS COMPARED WITH THE SAMPLE DATA IN A TABULATION FORM WITHI SAMPLE ANALYTICAL DATA SUMMARY. TENTATIVELY IDENTIFIED COMPOUNDS IN BLANKS ARE LISTED ON A SEPARAT

COMMENTS:

(1) RESULT REPORTED BY LABORATORY AND CONFIRMED BY REVIEWER.

(2) RESULT INFERRED FROM QUANTITATION LIST, DIAGNOSTICS, CHROMATOGRAM AND/OR SPECTRA.

BNA conversion 1 ng = 40 ug/kg

KEY TO DATA COMPLETENESS FORM

Abbreviation Used on Form	Description of Checklist Item
Conc./Matrix	Concentration category submitted in analysis request (low, med, hi); and matrix (sol., aq.)
Fraction	Fill in acid, base/neutral, acid/base/neutral, or volatiles analysis
Run Date/Time	Instrument run date (to be used for correlating calibration)
Target Cmpd. Tab.	Tabulated results for target compounds
Target Cmpd. D.L.	Detection limits for target compounds (actual/level indicated by screen
Tent. I.D. Cmpd. Tab.	Tabulated results for tentatively identified compounds
Surr. Rec.	Surrogate recoveries results
GC Screen Tab.	Tabulated GC screen results indicating required level of followup
GC/MS Chromatograms	Chromatograms of GC/MS analysis runs
Target Cmpd. Quan. List	Target compounds quantitation list, showing areas, ret. times
Target Cmpd. Spectra	Enhanced and unenhanced spectra of target compound hits
Tent. I.D. Cmpd. Q.L.	Quantitation list for tentatively identified compounds
Tent. Cmpd. Lib. Srch.	Spectra and library match spectra of tentatively identified compounds
Chro./Sens. Checks	EICP's and R.R.F.'s for chromatographic sensitivity checks
BFB/DFTPP Tune Data	Spectra intensity lists, and criteria comparison forms for BFB, DFTPP
I.S. Areas Charts	Internal standards area control charts and description of remedial action
I.S. Rel. Resp. Form	Internal standards relative response listings for each sample run
RF and amts.: Calib. Chk.	Tabulated response factors and amount injected for all cmpds. in calibration check
RF and amts.: 3-Pt. Calib.	Tabulated response factors and amount injected for all cmpds. in 3-point calibration
Chromatograms: Calib. Chk.	Chromatograms for calibration check standard
Chromatograms: 3-Pt. Calib.	Chromatograms for 3-point multilevel calibration standards.
Linearity: 3-Pt. Calib.	Tabulated correlation coefficient or relative standard deviation for calibration
RF Comparison	Tabulated comparison of calibration Response Factor with check standard
Sample/Field Blank	Equipment rinse or reagent water blank shipped with samples from field
Method/Instr. Blank	Method or instrument blank which is prepared at lab
Lab Duplicate	Sample which was split by lab for duplicate analysis
Field Dup/Rep	Sample which was split or collected twice in the field
Mat. Spk./M. Std.	Matrix spike or method standard (blind, or done by lab)
Pest. Tab.	Tabulated results for pesticides
Pest. D.L. Tab.	Tabulated detection limits for pesticides
Pest. Chro.	Chromatograms for pesticide screening
2nd Col. Conf.	Confirmation of pesticide results by using a second GC column and temperature
GC/MS Conf.	Confirmation of pesticide results by GC/MS analysis
Pest. Dup., Spk. Blk.	Pesticide duplicate, spike, and blank
Pest. Std. Chro.	Chromatogram of pesticide standard
Pest. Std. LD.	Pesticide standard identification form
TCDD	2,3,7,8-tetrachlorodibenzodioxin
TCDD Tab., D.L., EICP, Blk.	TCDD tabulated results, detection limits, extracted ion current profile, blank

KEY TO SYMBOLS USED IN DATA COMPLETENESS TABLE

Symbol	Meaning	Symbol	Meaning
✓	Data item present	I	Incomplete data item
NA	Data item not applicable or not required	NC	Data item not clearly explained (units of conc., etc)
P	Data item within established control limits		
F	Data item outside established control limits	* or [number]	See footnote
MS	Missing item	XX/XX/XX XX:XX	Date/Time of run (calibration, etc.)

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DATA COMPLETENESS	CONC./MATRIX	MS/MSC →											
FRACTION	TRAFFIC REPORT #	4837	Prep										
	LAB I.D. #												
VOA :	RUN DATE/TIME	✓	✓										
	TARGET COMPOUND TAB.	✓	✓										
	TARGET COMPOUND D.L.	✓	✓										
	TENT. I.D. COMPOUND TAB.	✓	✓										
	SURROGATE RECOVERY	✓	✓										
	GC SCREEN TABULATION	✓	✓										
	GC/MS CHROMATOGRAMS	✓	✓										
	TARGET CMPD. QUAN. LIST	✓	✓										
	TARGET CMPD. SPECTRA	✓	✓										
	TENT. I.D. CMPD. Q.L.	✓	✓										
	TENT. CMPD. LIB. SRCH.	✓	✓										
	CHRO./SENS. CHECKS	✓	✓										
	BFB/~~DFTPP~~ TUNE DATA	✓	✓										
	I.S AREAS CHARTS	MS	→										
	I.S. REL. RESP. FORM	MS	→										
	RF & AMTS. : CALIB. CHK.	✓	✓										
	RF & AMTS. : 3-PT CALIB.	✓	✓										
	Chromatograms: Calib. Chk.	✓	✓										
	Chromatograms: 3-Pt. Calib.	✓	✓										
	LINEARITY : 3-PT. CALIB	✓	✓										
	RF COMPARISON	✓	✓										
	SAMPLE/FIELD BLANK												
	METHOD/INSTR. BLANK		✓										
	LAB DUPLICATE												
	FIELD DUP/REP												
	MAT. SPK./M. STD.												

COMMENTS :

000209

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DATA COMPLETENESS	CONC./MATRIX	LO/SOIL				~~MED~~ LOW							
FRACTION	TRAFFIC REPORT # C	4294	4296	4298	4300	4677	4678	4815	4833	4849	4883	4884	4
	LAB I.D. #												
VOA :	RUN DATE/TIME	✓											
	TARGET COMPOUND TAB.	✓											
	TARGET COMPOUND D.L.	✓											
	TENT. I.D. COMPOUND TAB.	✓											
	SURROGATE RECOVERY	✓											
	GC SCREEN TABULATION	✓											
	GC/MS CHROMATOGRAMS	✓											
	TARGET CMPD. QUAN. LIST	✓											
	TARGET CMPD. SPECTRA	✓											
	TENT. I.D. CMPD. Q.L.	✓											
	TENT. CMPD. LIB. SRCH.	✓											
	CHRO./SENS. CHECKS	✓											
	BFB/DFTPP TUNE DATA	✓											
	I.S AREAS CHARTS	MS											
	I.S. REL. RESP. FORM	MS											
	RF & AMTS. : CALIB. CHK.	✓											
	RF & AMTS. : 3-PT CALIB.	✓											
	Chromatograms: Calib.Chk.	✓											
	Chromatograms: 3-Pt. Calib.	✓											
	LINEARITY : 3-PT. CALIB	✓											
	RF COMPARISON	✓											
	SAMPLE/FIELD BLANK												✓
	METHOD/INSTR. BLANK												
	LAB DUPLICATE	✓											
	FIELD DUP/REP												
	MAT. SPK./M. STD.	✓											

COMMENTS :

000210

DATA COMPLETENESS	CONC./MATRIX	med/soil	preps
FRACTION	TRAFFIC REPORT #	4837	
	LAB I.D. #		
BNA :	RUN DATE/TIME	✓	✓
	TARGET COMPOUND TAB.	✓	✓
	TARGET COMPOUND D.L.	✓	✓
	TENT. I.D. COMPOUND TAB.	✓	✓
	SURROGATE RECOVERY	✓	✓
	GC SCREEN TABULATION	✓	✓
	GC/MS CHROMATOGRAMS	✓	✓
	TARGET CMPD. QUAN. LIST	✓	✓
	TARGET CMPD. SPECTRA	✓	✓
	TENT. I.D. CMPD. Q.L.	✓	✓
	TENT. CMPD. LIB. SRCH.	✓	✓
	CHRO./SENS. CHECKS	✓	✓
	~~BFB~~/DFTPP TUNE DATA	✓	✓
	I.S AREAS CHARTS	MS	MS
	I.S. REL. RESP. FORM	MS	MS
	RF & AMTS.: CALIB. CHK.	✓	✓
	RF & AMTS.: 3-PT CALIB.	✓	✓
	Chromatograms: Calib. Chk.	✓	✓
	Chromatograms: 3-Pt. Calib.	✓	✓
	LINEARITY: 3-PT. CALIB	✓	✓
	RF COMPARISON	✓	✓
	SAMPLE/FIELD BLANK		
	METHOD/INSTR. BLANK		✓
	LAB DUPLICATE		
	FIELD DUP/REP		
	MAT. SPK./M. STD.		
PEST. :	PESTICIDE TABULATION	✓	✓
	PEST. D.L. TABULATION	✓	✓
	PESTICIDE CHRO.	✓	✓
	PESTICIDE STD. CHRO.	✓	✓
	PESTICIDE STD. I.D.	✓	✓
	2nd COLUMN CONF.	✓	✓
	GC/MS CONFIRMATION	N/A →	
	PESTICIDE DUPLICATE		
	PESTICIDE SPIKE		
	PESTICIDE BLANK		✓
TCDD	TCDD TABULATION	✓	✓
	TCDD DETECTION LIMIT	✓	✓
	TCDD CHRO./E.I.C.P.	✓	✓
	TCDD BLANK		✓

DATA COMPLETENESS	CONC./MATRIX	low/soil → med/soil											
FRACTION	TRAFFIC REPORT # C	4294	4296	4298	4300	4677	4678	4815	4833	4849	4883	4889	4[illegible]
	LAB I.D. #												
BNA :	RUN DATE/TIME FRN	✓											
	TARGET COMPOUND TAB.	✓											
	TARGET COMPOUND D.L.	✓											
	TENT. I.D. COMPOUND TAB.	✓											
	SURROGATE RECOVERY	✓											
	GC SCREEN TABULATION	✓											
	GC/MS CHROMATOGRAMS	✓											
	TARGET CMPD. QUAN. LIST	✓											
	TARGET CMPD. SPECTRA	✓											
	TENT. I.D. CMPD. Q.L.	✓											
	TENT. CMPD. LIB. SRCH.	✓											
	CHRO./SENS. CHECKS	✓											
	~~BFB~~/DFTPP TUNE DATA	✓											
	I.S AREAS CHARTS	MS											
	I.S. REL. RESP. FORM	MS											
	RF & AMTS.: CALIB. CHK.	✓											
	RF & AMTS.: 3-PT CALIB.	✓											
	Chromatograms: Calib.Chk.	✓											
	Chromatograms: 3-Pt. Calib.	✓											
	LINEARITY: 3-PT. CALIB	✓											
	RF COMPARISON	✓											
	SAMPLE/FIELD BLANK												✓
	METHOD/INSTR. BLANK												
	LAB DUPLICATE				✓								
	FIELD DUP/REP												
	MAT. SPK./M. STD.				✓								
PEST. :	PESTICIDE TABULATION	✓											
	PEST. D.L. TABULATION	✓											
	PESTICIDE CHRO.	✓											
	PESTICIDE STD. CHRO.	✓											
	PESTICIDE STD. I.D.	✓											
	2nd COLUMN CONF.	✓											
	GC/MS CONFIRMATION	N/a											
	PESTICIDE DUPLICATE	✓											
	PESTICIDE SPIKE	✓											
	PESTICIDE BLANK												
TCDD	TCDD TABULATION	✓											
	TCDD DETECTION LIMIT	✓											
	TCDD CHRO./ E.I.C.P.	✓											
	TCDD BLANK												

000212

AR000212

RUN CHRONICLE

FRACTION: VOA			FRACTION: BNA			FRACTION:		
RUN ORDER	RUN ID/ DESCRIPTION	DATE / TIME	RUN ORDER	RUN ID/ DESCRIPTION	DATE / TIME	RUN ORDER	RUN ID/ DESCRIPTION	DATE / TIM
(8)	C4294 24867		(7)	C4294 23759			VOA (CONT)	
(11)	C4296 24873		(8)	C4296 23760		(12)	SPIKE 24874	
(9)	C4298 24869		(9)	C4298 23761		(13)	SPIKE 24875	
(19)	C4300 24885		(10)	C4300 23762		(1)	BLK 23757	
(27)	C4677 24897		(15)	C4677 23768		(2)	" 23758	
(14)	C4678 24877		(16)	C4678 23769		(3)	" 24862	
(20)	C4815 24887		(17)	C4815 23770			~~" 24767~~	
(22)	C4833 24889		(18)	C4833 23771		(15)	" ~~24~~ 24880	
(28)	C4837 24898		(20)	C4837 23774		(23)	" 24893	
(29)	C4849 24899		(21)	C4849 23775		(32)	" 24912	
(31)	C4883 24903		(22)	C4883 23776		(36)	24921	
(35)	C4884 24917		(23)	C4884 ~~23773~~				
(7)	C4893 ~~24~~ 866 ~~778~~ 8		(24)	C4893 23778				
(5)	500 STD 24864		(1)	200 NG 23750				
(10)	200 STD 24871		(2)	" 23751				
(18)	100 STD 24884		(3)	20/23752				
(17)	" " 24883		(4)	BENZ 23753				
(16)	" " 24882		(5)	BENZ 23754				
(21)	50 24888		(6)	" 23755				
(26)	200 PPB STD 24896		(19)	100 STD 23773				
(25)	200 24895		(11)	DFTPP 23763				
(6)	10PPB 24865		(12)	100 NS 23764				
(4)	50+ 24863		(13)	SPIKE 23765				
(24)	50 24894		(14)	" 23766				
(30)	50 24902							
(35)	10 24915							
(33)	50 24913							
(34)	TEST 200 24914							
	~~50 24913~~						000213	
(37)	50 24922							
							AR000213	

DATA EVALUATION SCORE CATEGORIES

ACCEPTABLE: Data is within established control limits, or the data which is outside established control limits does not affect the validity of the analytical results.

ACCEPTABLE WITH EXCEPTION(S): Data is not completely within established control limits. The deficiences are identified and specific data is still valid, given certain qualifications which are listed below.

QUESTIONABLE: Data is not within established control limits. The deficiences bring the validity of the entire data set into question. However, the data validity is neither proved nor disproved by the available information.

UNACCEPTABLE: Data is not within established control limits. The deficiences imply the results are not meaningful.

000214

PROJECT NAME: Domino Salvage
TDD NO: E3-8311-12

EPA SITE NO.: N/a
REGION: F.+ III

QUALITY ASSURANCE REVIEW OF ORGANIC ANALYSIS LAB DATA PACKAGE

Case No.: 2420
Contract No.: 68-01-6725
Contract Laboratory: Hazelton
Applicable IFB No.: WA82-A155
Reviewer: Rock J. Vitale
Review Date: 8/14/84

Applicable Sample No's.: C4294, C4296, C4298, C4300, C4677, C4678, C4815, C4833, C4849, C4883, C4884, C4893, C4837

The organic analytical data for this case has been reviewed. The quality assurance evaluation is summarized in the following table:

Reviewer's Evaluation*	Fraction				
	VOLATILES	ACIDS	BASE/ NEUTRALS	PCB/ PEST.	TCDD
Acceptable					✓
Acceptable with exception(s)	✓#1, #6, #2	✓#3, #4	✓#1, #4,	✓#3, #5	
Questionable					
Unacceptable					

* Definitions of the evaluation score categories are listed on next page.

This evaluation was based upon an analysis of the review items indicated below:

- ● DATA COMPLETENESS
- ● BLANK ANALYSIS RESULTS
- ● SURROGATE SPIKE RESULTS
- ● MATRIX SPIKE RESULTS
- ● DUPLICATE ANALYSIS RESULTS
- ● EVALUATION OF CONFIRMATIONS
- ‡ ● QUANTITATIVE CALCULATIONS
- * ● TARGET COMPOUND MATCHING QUALITY
- ○ TENTATIVELY IDENTIFIED COMPOUNDS
- ◒ CHROMATOGRAPHIC SENSITIVITY CHECKS
- ◒ DFTPP AND BFB SPECTRUM TUNE RESULTS
- ◒ STANDARDS
- ◒ CALIBRATION CHECK STANDARDS
- ms ⊖ INTERNAL STANDARDS PERFORMANCE

Data review forms are attached for each of the review items indicated above.

‡ No errors noted, no form attached.

◒ Spot Check performed.

Comments: #1 Please see blank analysis documentation
#2 Chromatographic ghosting was observed
#3 Please see surrogate spike recoveries
#4 Please see matrix spike recoveries
#5 Single peak pesticide identifications are subject to random chromatographic interferences.
#6 Tetraglyme extractions used for VOA analyses on samples C4815, and C4884

Case #/SAS #: ----/982C
JN: 28893A
Contract #: SAS # 982C

September 12, 1984

Analytical Results - Pesticides

The Region requested the re-analysis of samples C4887, C4888S, and C4889 because PCB's had been found in other samples from this site but were not reported in these samples.

These samples were originally analyzed as Medium concentration samples. A review of the original analyses of these samples indicated the possible presence of very low concentrations of unreported PCB's. Because the concentrations appeared to be below the reported Detection Limit a PCB standard had not been analyzed and was not available for direct comparison.

Samples C4887 and C4889 were re-analyzed and PCB 1254 was found. However, the concentrations were below the originally reported Detection Limit. Because of the Region's expressed interest in these concentrations they were quantitated and reported.

The samples were originally analyzed as Medium Oil samples with Medium concentration detection limits. Because of the time lapse between the original report date and the date of the re-analysis request raw sample was no longer available. Therefore, the samples could not be extracted and analyzed as Low concentration.

000216

EVALUATION OF CONFIRMATIONS OF GC ANALYSES

SAMPLE NO	COMPOUND	GC COLUMN # 1 — COLUMN: SP 2250/2401; CONDITIONS:; DETECTOR:; OTHER:; DATA FROM COLUMN # 1: ☒ RET. OR ☐ REL. RET. TIMES IN: Sample	Standard	RELATIVE PEAK AREA RATIOS Sample	Standard	GC COLUMN # 2 — COLUMN: OV-1; CONDITIONS:; DETECTOR:; OTHER:; DATA FROM COLUMN # 2: ☐ RET. OR ☐ REL. RET. TIMES IN: Sample	Standard	RELATIVE PEAK AREA RATIOS Sample	Standard	Comments	TYPE OF CONFIRMATION (2 COL / GC/MS)	REVIEWER CONFIDENT
C 4889	PCB 1254	3.867	3.847	35	20	2.054	2.021	24	20	Very good match	2C	Y
		4.636	4.314	79	16	2.411	2.357	25	26			
		5.481	5.421	18	20	2.832	2.737	15	21			
		5.913	5.838	23	29	2.948	2.892	24	34			
		6.781	6.672	26	30	3.512	3.421	24	34			
		7.654	7.511	13	12	4.101	3.968	31	33			
		8.627	8.472	18	27	4.826	4.681	29	41			
		9.649	9.599	53	31	5.474	5.431	11	9			
						6.472	6.446	12	9			
						7.395	7.375	6	5			
C 4887	PCB 1254	3.892	3.847	35	20	2.087	2.021	24	21	Very good match	2C	Y
		4.665	4.314	53	16	2.437	2.357	24	26			
		5.518	5.421	38	20	2.871	2.737	37	21			
		5.961	5.838	12	29	2.863	2.892	24	34			
		6.832	6.672	22	30	3.560	3.421	30	34			
		7.692	7.511	22	12	4.055	3.968	24	33			
		8.690	8.472	29	27	4.666	4.681	35	40			
		9.810	9.599	36	31	5.455	5.431	12	9			
						6.341	6.446	9	9			
						7.523	7.375	16	5			

COMMENTS:

Case #/SAS #: -1982C Laboratory: IT / WCTS Contract #: SAS
Level: Low Quality Control Report
Matrix: Water Surrogate Recovery (%)
QC Report #: SAS#-982C-2

Sample #	VOA's			BNA's						Pest.	TCDD
	T-d8	4BFB	DCE-d4	N-d5	2-Fb	Tp-d14	P-d5	2-FP	TBrP	DBuCL	1234
C 48881	107	102	101	72	71	NR	92	79	NR	82	N/A
C 4888LMS	N/A	→	→	88	80	NR	88	91	NR	N/A	N/A
C 4888LMSD	N/A	→	→	82	83	NR	92	88	NR	N/A	N/A
m.b. LW 28593N7	100	100	100	79	70	NR	89	86	NR	1V*	N/A
Recovery Summary	0/1	0/1	0/1	0/3	0/3	NR	0/3	0/3	NR	0/1	N/A

-- Indicates this Fraction was Analyzed under another QC Report #.
N/A Indicates this Fraction was not Analyzed.
NR Indicates this Surrogate was not Quantitated in the Sample.
* Asterisked Values are outside QC Limits.
Note: Recovery Summary does not include Method Blank Recoveries.

T-d8 -Toluene-d8
4BFB -4-Bromofluorobenzene
DCE-d4 -1,2-Dichloroethane-d4
N-d5 -Nitrobenzene-d5
2-Fb -2-Fluorobiphenyl
Tp-d14 -Terphenyl-d14
P-d5 -Phenol-d5
2-FP -2-Fluorophenol
TBrP -2,4,6-Tribromophenol
DBuCl -Dibutyl Chlorendate
1234 -1,2,3,4-TCDD

Recovery Summary = #'s Outside QC Limits / Total #'s Reported

000218

All acceptable (except meth BLK-No 4)

Case #/SAS #: -1982C
Level: Medium
Matrix: Oil
QC Report #: SAS-982C-1

Laboratory: IT / WCTS
Quality Control Report
Surrogate Recovery (%)

Contract #: SAS

Sample #	VOA's			BNA's						Pest.	TCDD
	T-d8	4BFB	DCE-d4	N-d5	2-Fb	Tp-d14	P-d5	2-FP	TBrP	DBuCL	1234
C4887	104	96	103	θ*#	66	NR	θ*#	θ*#	NR	(θ)	112
C4887MS	95	90	107	θ*#	107	NR	θ*#	θ*#	NR	θ#	N/A
C4887MSD	98	94	109	θ*#	85	NR	θ*#	θ*#	NR	θ#	N/A
C4888S	108	93	99	12*#	98	NR	θ*#	θ*#	NR	(θ)	92
C4889	95	87	107	56	120	NR	43	70	NR	(θ)	95
M.B. 28893N1	100	100	100	103	108	NR	96	92	NR	(θ)	43
M.B. 28893N11	100	100	100	N/A →					→	N/A	N/A
M.B. 28893N12	100	94	101	N/A →					→	N/A	N/A
Recovery Summary	0/5	0/5	0/5	4/5	0/5	NR	4/5	4/5	NR	0/5	0/3

-- Indicates this Fraction was Analyzed under another QC Report #.
N/A Indicates this Fraction was not Analyzed.
NR Indicates this Surrogate was not Quantitated in the Sample.
* Asterisked Values are outside QC Limits.
Note: Recovery Summary does not include Method Blank Recoveries.

T-d8 -Toluene-d8
4BFB -4-Bromofluorobenzene
DCE-d4 -1,2-Dichloroethane-d4
N-d5 -Nitrobenzene-d5
2-Fb -2-Fluorobiphenyl
Tp-d14 -Terphenyl-d14
P-d5 -Phenol-d5
2-FP -2-Fluorophenol
TBrP -2,4,6-Tribromophenol
DBuCl -Dibutyl Chlorendate
1234 -1,2,3,4-TCDD

Recovery Summary = #'s Outside QC Limits / Total #'s Reported

Low Recovery Due to Dilution

Pesticide detection limits may be significantly higher than reported for C4887 88601)

Case #/SAS #: 982C
Level: MEDIUM
Matrix: O/C
QC Report #: SAS* 982C-1

Laboratory: IT / WCTS
Quality Control Report
Matrix Spike(MS and MSD)
% Recovery and RPD Summary

Sample #: C4887
Contract #: SAS
Circle Units: (ug/Kg) ug/L

Fraction	Compound	Conc. Sample	Conc. Spiked	Conc. MS	% Rec. MS	Conc. MSD	% Rec. MSD	RPD
Pest.	Lindane (gamma-BHC)	500U	25,100	29,000	116	20,500	82	34
	Heptachlor	500U	26,500	14,600	55	6500	25*	77*
	Aldrin	500U	25,200	36,700	146*	14,500	58	87*
	Dieldrin	500U	25,300	10,000U	0*	10,000U	0*	0
	Endrin	500U	25,800	10,000U	0*	10,000U	0*	0
	p,p'-DDT	500U	101,000	145,000	144*	94,200	93	42*
	Dibutyl chlorendate **	2500U	25000	50000U	0*	50000U	0*	0
TCDD	2,3,7,8-TCDD	40U	Not Spiked	N/A	N/A	N/A	N/A	N/A
	1,2,3,4-TCDD	320	286					

* Asterisked Values are outside QC Limits.
\# low Recoveries due to Dilution.
$ _____ Recoveries due to Matrix Effects.
** Advisory Limits.

$$RPD = \frac{|MS - MSD|}{\left(\frac{MS + MSD}{2}\right)} \times 100$$

NA - Not Analyzed
NR - Not Reported
NS - Not Spiked

RPD: Pests 3 out of 7 outside QC Limits.
TCDD — out of — outside QC Limits.

Recovery: Pests 7 out of 14 outside QC Limits.
TCDD — out of — outside QC Limits.

detection limits for dieldrin & endrin in C4887 may be significantly higher than reported

Case #/SAS #: -/9826 Laboratory: IT / WCTS Sample #: C4887
Level: MEDIUM Quality Control Report Contract #: 545
Matrix: OIL Matrix Spike(MS and MSD) Circle Units: ug/Kg, ug/L
QC Report #: SAS#9826C-1 % Recovery and RPD Summary

Fraction	Compound	Conc. Sample	Conc. Spiked	Conc. MS	% Rec. MS	Conc. MSD	% Rec. MSD	RPD
VOA	1,1-Dichloroethylene	500 U	12,500	10,000	80	10,000	80	0
	Trichloroethylene	500 U	12,500	12,000	96	12,000	96	0
	Benzene	3500 A	12,500	15,000	92	16,000	100	8
	Toluene	770 A	12,500	12,000	90	13,000	98	4
	Chlorobenzene	500 U	12,500	14,000	112	14,000	112	0
	1,2-Dichloroethane-d4	25700	25000	26,700	107	27,300	109	2
	Toluene-d8	25900	25000	23,700	95	24,600	98	3
	4-Bromofluorobenzene	23900	25000	22,400	90	23,500	94	4
B/N	1,2,4-Trichlorobenzene	250,000 U	253,000	250,000 U	0*	250,000 U	0*	0
	Acenaphthene		255,000		0*		0*	2
	2,6-Dinitrotoluene		273,000		0*		0*	0
	Di-n-butylphthalate		505,000		0*		0*	0
	Pyrene		252,000		0*		0*	0
	N-Nitrosodi-n-propylamine		254,000		0*		0*	0
	1,4-Dichlorobenzene		251,000		0*		0*	0
	Nitrobenzene-d5	250,000 U	521,000	250,000 U	0*#	250,000 U	0*#	0
	2-Fluorobiphenyl	358,000 A	647,000	583,000 A	90	464,000 A	71	24
Acid	Pentachlorophenol	250,000 U	508,000	250,000 U	0*	250,000 U	0*	0
	4-Chloro-3-methylphenol		258,000		0*		0*	0
	Phenol		251,000		0*		0*	0
	2-Chlorophenol		261,000		0*		0*	0
	4-Nitrophenol		1,050,000		0*		0*	0
	2-Fluorophenol	250,000 U	513,000	250,000 U	0*#	250,000 U	0*#	0
	Phenol-d5	250,000 U	517,000	250,000 U	0*#	250,000 U	0*#	0

* Asterisked Values are outside QC Limits.

$$RPD = \frac{|MS - MSD|}{\left(\frac{MS + MSD}{2}\right)} \times 100$$

RPD: VOA's 0 out of 8 outside QC Limits
B/N's 0 out of 9 outside QC Limits
Acids 0 out of 7 outside QC Limits

Recovery: VOA's 0 out of 16 outside QC Limits
B/N's 16 out of 17 outside QC Limits
Acids 14 out of 14 outside QC limits

D.L's for these compounds may be significantly higher than reported.

AR000221

BLANK ANALYSIS RESULTS FOR TARGET COMPOUNDS

FRACTION	TYPE	CONC	MATRIX	SAMPLE #	SOURCE OF H_2O	CONTAMINANTS (CONCENTRATION / DETECTION LIMIT
VOA	Med oil Lab Blank			28893N1	Lab	methylene chloride (4.8 ug/L / 1) 1 trans-1,2-dichloroethene (0.2 ug/L / 1) 2 ? 2-butanone (3.4 ug/L / 1) 2 2-hexanone (0.2 ug/L / 1) 2
VOA	Low AQ Lab Blank			28893N7	Lab	methylene chloride (0.6 ug/L / 1) 2 2-butanone (6.3 ug/L / 1) 2 2-hexanone (0.6 ug/L / 1) 2 tetrachloroethene (0.4 ug/L / 1) 2
VOA	Med. oil Lab Blank			28893N11	Lab	methylene chloride (0.7 ug/L / 1) 2 2-butanone (0.7 ug/L / 1) 2 2-hexanone (0.6 ug/L / 1) 2
VOA	Med oil Lab Blank			28893N12	Lab	methylene chloride (27 ug/L / 1) 1 2-butanone (29 ug/L / 1) 2 Vinyl acetate (0.8 ug/L / 1) 2 4-methyl-2-pentanone (0.2 ug/L / 1) 2 2-hexanone (18 ug/L / 1) 2
BNA	Med oil Lab			28893F10	Lab	N-Nitrosodipropylamine (4.1×10^8 / 250,000) # Butyl Benzyl Phthalate (7.6×10^6 / 250,000) # Benzo(b+k)Fluoranthene (2.2×10^7 / 250,000) # Benzo(a)Pyrene (5.8×10^7 / 250,000) #2 Benzo(ghi)Perylene (1.1×10^7 / 250,000) #2
BNA	Low AQ Lab			28893F1	Lab	Nitrosodipropylamine (10,666 / 100) #2 2,6-Dinitrotoluene (17,2,1650 / 100) #2 Benzo(a)anthracene (40,000 / 100) #2 Chrysene (3,569 / 100) #2

LABORATORY REPORTED FIELD BLANK DATA IS COMPARED WITH THE SAMPLE DATA IN A TABULATION FORM WITHIN T
SAMPLE ANALYTICAL DATA SUMMARY. TENTATIVELY IDENTIFIED COMPOUNDS IN BLANKS ARE LISTED ON A SEPARATE F

COMMENTS:

(1) RESULT REPORTED BY LABORATORY AND CONFIRMED BY REVIEWER.

(2) RESULT INFERRED FROM QUANTITATION LIST ~~DIAGNOSTICS, CHROMATOGRAM AND/OR SPECTRA~~.

000222

DATA EVALUATION SCORE CATEGORIES

ACCEPTABLE: Data is within established control limits, or the data which is outside established control limits does not affect the validity of the analytical results.

ACCEPTABLE WITH EXCEPTION(S): Data is not completely within established control limits. The deficiences are identified and specific data is still valid, given certain qualifications which are listed below.

QUESTIONABLE: Data is not within established control limits. The deficiences bring the validity of the entire data set into question. However, the data validity is neither proved nor disproved by the available information.

UNACCEPTABLE: Data is not within established control limits. The deficiences imply the results are not meaningful.

DATA COMPLETENESS	CONC./MATRIX	MED/C.X	MED/AC.	MED/	MED/	Prep	Prep
FRACTION	TRAFFIC REPORT #	C4587	C4588	C4589	C4589		
	LAB I.D. # 25893	F8	F9	F2	F6		
BNA :	RUN DATE/TIME	✓	→	→	→	→	
	TARGET COMPOUND TAB.	✓	→	→	→	→	
	TARGET COMPOUND D.L.	✓	→	→	→	→	
	TENT. I.D. COMPOUND TAB.	✓	→	→	→	→	
	SURROGATE RECOVERY	✓	→	→	→	→	
	GC SCREEN TABULATION	m/m	L/L	m/m	m/m		
	GC/MS CHROMATOGRAMS	✓	→	→	→	→	
	TARGET CMPD. QUAN. LIST	✓	→	→	→	→	
	TARGET CMPD. SPECTRA	✓	→	→	→	→	
	TENT. I.D. CMPD. Q.L.	✓	→	→	→	→	
	TENT. CMPD. LIB. SRCH.	✓	→	→	→	→	
	CHRO./SENS. CHECKS	✓	→	→	→		
	BFB/DFTPP TUNE DATA	✓	→	→	→		
	I.S AREAS CHARTS	MS	→	→	→		
	I.S. REL. RESP. FORM	MS	→	→	→		
	RF & AMTS.: CALIB. CHK.	✓	→	→	→		
	RF & AMTS.: 3-PT CALIB.	✓	→	→	→		
	Chromatograms: Calib. Chk.	✓	→	→	→		
	Chromatograms: 3-Pt. Calib.	✓	→	→	→		
	LINEARITY: 3-PT. CALIB	✓	→	→	→		
	RF COMPARISON	✓	→	→	→		
	SAMPLE/FIELD BLANK						
	METHOD/INSTR. BLANK					✓	✓
	LAB DUPLICATE MAT. SPK	✓	✓				
	FIELD DUP/REP						
	MAT. SPK./M. STD.	✓	✓				
PEST. :	PESTICIDE TABULATION	✓	→	→			
	PEST. D.L. TABULATION	✓	→	→			
	PESTICIDE CHRO.	✓	→	→			
	PESTICIDE STD. CHRO.	✓	→	→			
	PESTICIDE STD. I.D.	✓	→	→			
	2nd COLUMN CONF.	N/A	→	→			
	GC/MS CONFIRMATION	N/A	→	→			
	PESTICIDE DUPLICATE N.S.	✓	→	→			
	PESTICIDE SPIKE	✓					
	PESTICIDE BLANK					✓	✓
TCDD	TCDD TABULATION	✓	→	→	→		
	TCDD DETECTION LIMIT	✓	→	→	→		
	TCDD CHRO./ E.I.C.P.	✓	→	→	→		
	TCDD BLANK					✓	✓

000224

AR000224

DATA COMPLETENESS	CONC./MATRIX	MED/L	MED/AL	MED/L	MED/L							
FRACTION	TRAFFIC REPORT #	C4597	C4598L	C4598S	4859	Preps →						
	LAB I.D. # 25543-	N6	N4	N10	N16							
VOA :	RUN DATE/TIME	✓ →	→	→								
	TARGET COMPOUND TAB.	✓ →	→	→								
	TARGET COMPOUND D.L.	✓ →	→	→								
	TENT. I.D. COMPOUND TAB.	✓ →	→	→								
	SURROGATE RECOVERY	✓ →	→	→								
	GC SCREEN TABULATION	MS →	→	→								
	GC/MS CHROMATOGRAMS	✓ →	→	→								
	TARGET CMPD. QUAN. LIST	✓ →	→	→								
	TARGET CMPD. SPECTRA	✓ →	→	→								
	TENT. I.D. CMPD. Q.L.	✓ →	→	→								
	TENT. CMPD. LIB. SRCH.	✓ →	→	→								
	CHRO./SENS. CHECKS	✓ →	→	→								
	BFB/DFTPP TUNE DATA	✓ →	→	→								
	I.S AREAS CHARTS	MS →	→	→								
	I.S. REL. RESP. FORM	MS →	→	→								
	RF & AMTS.: CALIB. CHK.	✓ →	→	→								
	RF & AMTS.: 3-PT CALIB.	✓ →	→	→								
	Chromatograms: Calib.Chk.	✓ →	→	→								
	Chromatograms: 3-Pt. Calib.	✓ →	→	→								
	LINEARITY: 3-PT. CALIB	✓ →	→	→								
	RF COMPARISON	✓ →	→	→								
	SAMPLE/FIELD BLANK											
	METHOD/INSTR. BLANK					✓	✓	✓				
	LAB DUPLICATE MAT. SPK	✓										
	FIELD DUP/REP											
	MAT. SPK./M. STD.	✓										

COMMENTS: MS' – Lab did not screen; claims they reanalyze only if submitted level was inappropriate by first analysis.

RUN CHRONICLE

FRACTION: VOA			FRACTION: BNA			FRACTION:		
RUN ORDER	RUN ID / DESCRIPTION	DATE / TIME	RUN ORDER	RUN ID / DESCRIPTION	DATE / TIME	RUN ORDER	RUN ID / DESCRIPTION	DATE
1	BFB 374	3/5 11:30		DFTPP/SEN,44	3/26 10:14			
2	100ppb (VOA456) STD *	3/5 11:56		(BNA2440) * 100 ppb BNA STD	3/26 10.27			
3	(VOA457) 20 ppb STD	3/5 13:04		(BNA2441) 20 ppb BNA STD	3/26 11:04			
4	200ppb (VOA458) STD	3/5 13:51		(BNA2443) 200 ppb BNA STD	3/26 13:01			
5	BFB 379	3/6 11:39		(BNA2444) 200ppb HSL	3/26 13.44			
6	50ppb (VOA467) STD	3/8 12:01		DFTPP SENS5C	3/26 23.46			
10	BFB 380	3/8 21:08		(BNA2445) BNA STD 50ppb	3/27 0:06			
11	50ppb (VOA468) STD	3/8 21:26		DFTPP SENS52	3/27 23.22			
14	BFB 381	3/9 8:14		(BNA2447) 50ppb BNA STD	3/27 23:53			
15	50 ppb (VOA469) STD	3/9 8:37		C4887	3/27 6:21			
SPACE 7	Lab Blank Medium 28543N1	3/8 13:28		C4887 MS	3/28 0:22			
12	Lab Blank Low AQ 28543N7	3/8 22:09		" MSD	3/28 2:04			
9	C4887 28543N6	3/8 14:52		C4888 AQ	3/27 1:46			
16	C4887 Mat. Spk (N13)	3/9 10:46		C4888 (oil) MS	3/27 2:31			
17	C4887 Mat. Spk. Dup (N14)	3/9 11:54		C4888(oil)	2/27 7:07			
8	C4888 (oil) 28893N4	3/8 17:50		C4888 MSD	3/27 3:15			
SPACE 13	C4888 (1:9)	3/9 0:38		C4889	3/27 4:49			
18	C4889	3/9 15:33						
	* acrolein & acrylonitrile = 800ppb			* 1,2-diphenylhydrazine = 400				
	* acetone = 200ppb 2-butanone = 200ppb			certain others 200 - 250 ppb				
	2-hexe = 200 total xylenes = 300							

000226

AR000226

PROJECT NAME: Vianna Salvage
TDD NO: F3-8311-72

EPA SITE NO.:
REGION: III

QUALITY ASSURANCE REVIEW OF ORGANIC ANALYSIS LAB DATA PACKAGE

Case No.: 2420/982C
Contract No.: NA - SAS
Contract Laboratory: IT Analytical
Applicable IFB No.:
Reviewer: R. Slobodin
Review Date: 8/14/84

Applicable Sample No's.: C4887 C4888L C4888S C4889

The organic analytical data for this case has been reviewed. The quality assurance evaluation is summarized in the following table:

Reviewer's Evaluation*	Fraction				
	VOLATILES	ACIDS	BASE/ NEUTRALS	PCB/ PEST.	TCDD
Acceptable					✓
Acceptable with exception(s)	✓ #1	✓ #2,	✓ #2	✓ #2, #3	
Questionable					
Unacceptable					

* Definitions of the evaluation score categories are listed on next page.

This evaluation was based upon an analysis of the review items indicated below:

- ● DATA COMPLETENESS
- ● BLANK ANALYSIS RESULTS
- ● SURROGATE SPIKE RESULTS
- ● MATRIX SPIKE RESULTS
- ● DUPLICATE ANALYSIS RESULTS
- ● EVALUATION OF CONFIRMATIONS
- ‡ ● QUANTITATIVE CALCULATIONS
- ‡ ● TARGET COMPOUND MATCHING QUALITY
- ○ TENTATIVELY IDENTIFIED COMPOUNDS
- ◒ CHROMATOGRAPHIC SENSITIVITY CHECKS
- ◒ DFTPP AND BFB SPECTRUM TUNE RESULTS
- ◒ STANDARDS
- ◒ CALIBRATION CHECK STANDARDS
- MS —◒ INTERNAL STANDARDS PERFORMANCE

Data review forms are attached for each of the review items indicated above.

‡ No errors noted, no form attached.

◒ Spot Check performed.

Comments: #1 Please see blank analysis documentation
#2 Please see matrix spike recoveries.
#3 Please see surrogate spike recoveries.

FORM V

MATRIX SPIKE DUPLICATE/RECOVERY

CASE NO. 8420 | CONTRACTOR EAL CORPORATION | CONTRACT NO. 68-01-6854
LOW LEVEL X | MED. LEVEL | HIGH LEVEL
WATER X | SOIL/SED. | OTHER (Specify)
QC REPORT NO. | | UNITS (Circle) ug/kg (ug/L)

FRACTION	COMPOUND	#	CONC. SPIKE ADDED	CONC. MS	% REC.	CONC. MSD	% REC	RPD	QC %RECOVERY LIMITS* RPD	WATER	SOIL	COMMENTS
VOA SMO # C-4836	1,1-Dichloroethylene	10	20	15.4	77	14.8	74	4	<15%	61-145	59-177	
	Trichloroethylene	22	↓	18.4	92	14.8	74	22*	<15%	71-120	62-137	
	Chlorobenzene	32		18.4	92	17.8	89	3	<15%	75-130	60-133	
	Toluene	31		20.2	101	19.0	95	6	<15%	76-125	59-139	
	Benzene	21		24.2	121	16.6	83	37*	<15%	76-127	66-142	
B/N SMO # C-4295	1,2,4-Trichlorobenzene	21	100	36	36*	44	44	20	<50%	39- 98	38-107	
	Acenaphthene	33		63	63	78	78	21	<50%	46-118	31-137	
	2,4-Dinitrotoluene	35		45	45	43	43	5	<50%	24- 96	28- 89	
	Di-N-Butylphthalate	48		2	(2*)	2	(2*)	0	<50%	11-117	29-135	
	Pyrene	51		70	70	59	59	17	<50%	26-127	35-142	
	N-Nitrosodi-N-Propylamine	7		51	51	58	58	13	<50%	41-116	41-126	
	1,4-Dichlorobenzene	9		32	32*	39	39	20	<50%	36- 97	28-104	
ACID SMO # C-4295	Pentachlorophenol	54		56	56	51	51	9	<40%	9-103	17-109	
	Phenol	1		66	66	89	89	30	<40%	12- 89	26- 90	
	2-Chlorophenol	4		90	90	122	122	30	<40%	27-123	25-102	
	P-Chlor-M-Cresol	20		0	0*	0	(0*)	0	<40%	23- 97	26-103	
	4-Nitrophenol	46	↓	0	0*	0	(0*)	0	<40%	10- 80	11-114	
PEST SMO # C4885	Lindane		7.07	6.78	96	6.35	90	6.5	<40%	56-123	46-127	
	Heptachlor		6.69	6.43	96	6.15	92	4.3	<40%	40-131	35-130	
	Aldrin		6.78	6.30	93	6.15	91	2.2	<40%	40-120	34-132	
	Dieldrin		6.79	7.77	114	7.53	111	2.7	<40%	52-126	31-134	
	Endrin		7.36	7.91	107	8.29	113	5.5	<40%	56-121	42-139	
	P,P-DDT		6.88	6.70	97	6.53	95	2.1	<40%	38-127	23-134	

D.L's for di-N-butyl phthalate, p-chloro-m-cresol, & 4-Nitrophenol significantly higher.

*erisked values are outside QC limits.

	VOAs	2	out of 5	; outside QC limits	
	B/N	0	out of 7	; outside QC limits	
	ACID	0	out of 5	; outside QC limits	
	PEST	0	out of 6	; outside QC limits	

RECOVERY:	VOAs	0	out of 10	; outside of QC limits	
	B/N	4	out of 14	; outside of QC limits	
	ACID	4	out of 10	; outside of QC limits	
	PEST	0	out of 12	; outside of QC limits	

*Advisory Limits

FO II

WATER SURROGATE PERCENT RECOVERY SUMMARY

CASE NO. 2420
LOW LEVEL X
WATER X
QC REPORT NO.

CONTRACTOR EAL CORPORATION
MED. LEVEL

CONTRACT NO. 68-01-6854
HIGH LEVEL
OTHER (Specify)

[-------Volatile -------][----------Semi-Volatile----------][Pesticide]--[Dioxin]

	35	37	36	70	68	73	2	69	74		
SMO Traffic Report No.	D_8 Toluene (86-119)	BFB (85-121)	D_4-1,2-Dichloroethane (77-120)	D_5-Nitrobenzene (41-120)	2-Fluorobiphenyl (44-119)	D_{14}-p-Terphenyl (33-128)	D_5-Phenol (15-96)	2-Fluorophenol (23-107)	2,4,6-Tribromophenol (20-105)	Dibutyl-Chlorendate (67-114)**	1,2,3,4-TCDD (23-148)
BLANK 22	107	101	127 *								
EAL BLANK				76	60	106	84	33	72		
C4295 M.S.										105	
C4295 D.M.S.										106	
052-87-1 B.S.										110	67
C4295 MS				45	57	64	57	20 *	92		
C4295 DMS				55	78	65	83	43	79		

* Asterisked values are outside of QC limits.
* Advisory Limit

Comments:

Volatiles: ___ out of ___; outside of QC limits
Semi-Volatiles: ___ out of ___; outside of QC limits

AR00022

FOR[illegible] II

WATER SURROGATE PERCENT RECOVERY SUMMARY

CASE NO. 8420
LOW LEVEL X
WATER X
QC REPORT NO. [illegible]

CONTRACTOR EAL CORPORATION
MED. LEVEL

CONTRACT NO. 68-01-6854
HIGH LEVEL
OTHER (Specify)

[-------Volatile -------][----------Semi-Volatile----------][Pesticide]--[Dioxin]

	35	37	36	70	68	73	2	69	74		
SMO Traffic Report No.	D_8 Toluene (86-119)	BFB (85-121)	D_4-1,2-Dichloroethane (77-120)	D_5-Nitrobenzene (41-120)	2-Fluorobiphenyl (44-119)	D_{14}-p-Terphenyl (33-128)	D_5-Phenol (15-96)	2-Fluorophenol (23-107)	2,4,6-Tribromophenol (20-105)	Dibutyl-Chlorendate (67-114)**	1,2,3,4-TCDD (23-148)
C-4293	128 *	119	108	75	85	145 *	[1] 96	74	99	78	98
C-4895	91	78 *	93	55	61	83	74	37	106 *	66	101
C-4297	92	94	90	83	50	57	69	60	66	55	95
C-4299	107	93	98	51	57	58	69	67	87	70	102
C-4679	105	96	97	59	90	121	69	32	75	79	103
C-4680	109	107	111	46	69	104	45	31	76	82	106
C-4681	104	93	105	48	52	69	37	42	84	74	100
C-4834	101	111	107							109	95
C-4835	105	113	106	35 *	42 *	37	38	33	35	67	95
C-4836	107	102	86	33 *	42 *	64	41	39	36	96	108
C-4836MS	112	106	118								
C-4836DMS	106	105	93								
C-4885	129 *	146 *	90	64	93	121	49	47	62	95	109
C-4886	95	99	88	56	74	42	10 *	0 *	5 *	88	104
C-4890	108	106	82	58	87	93	47	35	42	82	106
C-4891	114	111	93	41	47	75	47	24	45	89	109
C-4892	96	93	116	30 *	47	49	32	23	25	94	103
C-4894	111	108	114	20 *	45	54	23	15 *	32	89	81
C-7977	114	114	117	48	43 *	51	39	50	44	70	82
	2	2	0					[2]			

* Asterisked values are outside of QC limits.
Advisory Limit

Comments:
[1] - No indigenous ppl results so, NO effect.
[2] - Actual d.l.'s for all acids may be significantly higher than Reported.

Volatiles: 5 out of 60; outside of QC limits
Semi-Volatiles: 13 out of 114; outside of QC limits

BLANK ANALYSIS RESULTS FOR TARGET COMPOUNDS

FRACTION	TYPE	CONC	MATRIX	SAMPLE #	SOURCE OF H_2O	CONTAMINANTS (CONCENTRATION / DETECTION LIMI
VOA	Field	low	AQ	C4892	NUS	Methylene Chloride (10 ug/L / 5 ug/L) #1 Benzene (3.1 ug/L / 5) #2 Tetrachloroethene (0.50 ug/L / 5) #2 Toluene (0.15 ug/L / 5) #2 2-Butanone (0.40 ug/L / 5) #2 O-Xylene (2 ug/L / 5) #2
BNA	field	low	AQ	C4892	NUS	Bis (2-ethylhexyl) Phthalate (1.5 ug/L / 20) #
VOA	Lab	low	AQ	BLK 22 2/22 12:53	EAL	Methylene Chloride (0.60 ug/L / 5) #2 1,1,1-Trichloroethane (0.90 ug/L / 5) #2 1,1,2-Trichloroethane (1 ug/L / 5) #2 1,1,2,2, Tetrachloroethane (2.2 ug/L / 5) #2 Toluene (0.5 ug/L / 5) #2 2-Butanone (2.7 ug/L / 5) #2 Benzene (24 ug/L / 5) #2
BNA	lab	low	AQ	BLK 22	EAL	Bis (2-ethylhexyl) Phthalate (3.9 ug/L / 20) # Dioctyl Phthalate (1.5 ug/L / 20) #2

LABORATORY REPORTED FIELD BLANK DATA IS COMPARED WITH THE SAMPLE DATA IN A TABULATION FORM WITHIN SAMPLE ANALYTICAL DATA SUMMARY. TENTATIVELY IDENTIFIED COMPOUNDS IN BLANKS ARE LISTED ON A SEPARATE

COMMENTS:

(1) RESULT REPORTED BY LABORATORY AND CONFIRMED BY REVIEWER.

(2) RESULT INFERRED FROM QUANTITATION LIST, DIAGNOSTICS, CHROMATOGRAM AND/OR SPECTRA.

C

DATA COMPLETENESS	CONC./MATRIX	L/LQ												
FRACTION	TRAFFIC REPORT # C	4890	4891	4892	4894	4836								
	LAB I.D. #													
VOA !	RUN DATE/TIME	✓												
	TARGET COMPOUND TAB.	✓												
	TARGET COMPOUND D.L.	✓												
	TENT. I.D. COMPOUND TAB.	✓												
	SURROGATE RECOVERY	✓												
	GC SCREEN TABULATION	✓												
	GC/MS CHROMATOGRAMS	✓												
	TARGET CMPD. QUAN. LIST	✓												
	TARGET CMPD. SPECTRA	✓												
	TENT. I.D. CMPD. Q.L.	✓												
	TENT. CMPD. LIB. SRCH.	✓												
	CHRO./SENS. CHECKS	✓												
	BFB/~~DFTPP~~ TUNE DATA	✓												
	I.S AREAS CHARTS	✓												
	I.S. REL. RESP. FORM	✓												
	RF & AMTS.: CALIB. CHK.	✓												
	RF & AMTS.: 3-PT CALIB.	✓												
	Chromatograms: Calib. Chk.	✓												
	Chromatograms: 3-Pt. Calib.	MS												
	LINEARITY: 3-PT. CALIB	✓												
	RF COMPARISON	✓												
	SAMPLE/FIELD BLANK		✓	✓										
	METHOD/INSTR. BLANK													
	LAB DUPLICATE													
	FIELD DUP/REP													
	MAT. SPK./M. STD.													

COMMENTS:

000232

AR000232

DATA COMPLETENESS	CONC./MATRIX	L/A											
FRACTION	TRAFFIC REPORT # C	4890	4891	4892	4894	4836							
	LAB I.D. #												
BNA :	RUN DATE/TIME	✓											
	TARGET COMPOUND TAB.	✓											
	TARGET COMPOUND D.L.	✓											
	TENT. I.D. COMPOUND TAB.	✓											
	SURROGATE RECOVERY	✓											
	GC SCREEN TABULATION	✓											
	GC/MS CHROMATOGRAMS	✓											
	TARGET CMPD. QUAN. LIST	✓											
	TARGET CMPD. SPECTRA	✓											
	TENT. I.D. CMPD. Q.L.	✓											
	TENT. CMPD. LIB. SRCH.	✓											
	CHRO./SENS. CHECKS	✓											
	BFB/DFTPP TUNE DATA	✓											
	I.S AREAS CHARTS	✓											
	I.S. REL. RESP. FORM	✓											
	RF & AMTS. : CALIB. CHK.	✓											
	RF & AMTS. : 3-PT CALIB.	✓											
	Chromatograms: Calib. Chk.	✓											
	Chromatograms: 3-Pt. Calib.	MS											
	LINEARITY : 3-PT. CALIB	✓											
	RF COMPARISON	✓											
	SAMPLE/FIELD BLANK		✓	✓									
	METHOD/INSTR. BLANK												
	LAB DUPLICATE					✓							
	FIELD DUP/REP												
	MAT. SPK./M. STD.					✓							
PEST. :	PESTICIDE TABULATION	✓											
	PEST. D.L. TABULATION	✓											
	PESTICIDE CHRO.	✓											
	PESTICIDE STD. CHRO.	✓											
	PESTICIDE STD. I.D.	✓											
	2nd COLUMN CONF.	✓											
	GC/MS CONFIRMATION	N/a											
	PESTICIDE DUPLICATE												
	PESTICIDE SPIKE												
	PESTICIDE BLANK		✓	✓									
TCDD	TCDD TABULATION	✓											
	TCDD DETECTION LIMIT	✓											
	TCDD CHRO./E.I.C.P.	✓											
	TCDD BLANK		✓	✓									

DATA COMPLETENESS	CONC./MATRIX	LOW/AQ										
FRACTION	TRAFFIC REPORT # C	4293	7977	4834	4835	4295	4297	4299	4679	4680	4681	4685
	LAB I.D. #											
BNA :	RUN DATE/TIME	✓										
	TARGET COMPOUND TAB.	✓										
	TARGET COMPOUND D.L.	✓										
	TENT. I.D. COMPOUND TAB.	✓										
	SURROGATE RECOVERY	✓										
	GC SCREEN TABULATION	✓										
	GC/MS CHROMATOGRAMS	✓										
	TARGET CMPD. QUAN. LIST	✓										
	TARGET CMPD. SPECTRA	✓										
	TENT. I.D. CMPD. Q.L.	✓										
	TENT. CMPD. LIB. SRCH.	✓										
	CHRO./SENS. CHECKS	✓										
	BFB/DFTPP TUNE DATA	✓										
	I.S AREAS CHARTS	✓										
	I.S. REL. RESP. FORM	✓										
	RF & AMTS.: CALIB. CHK.	✓										
	RF & AMTS.: 3-PT CALIB.	✓										
	Chromatograms: Calib.Chk.	✓										
	Chromatograms: 3-Pt. Calib.	ms										
	LINEARITY: 3-PT. CALIB	✓										
	RF COMPARISON	✓										
	SAMPLE/FIELD BLANK											
	METHOD/INSTR. BLANK											
	LAB DUPLICATE											
	FIELD DUP/REP											
	MAT. SPK./M. STD.											
PEST. :	PESTICIDE TABULATION	✓										
	PEST. D.L. TABULATION	✓										
	PESTICIDE CHRO.	✓										
	PESTICIDE STD. CHRO.	✓										
	PESTICIDE STD. I.D.	✓										
	2nd COLUMN CONF.	✓										
	GC/MS CONFIRMATION	N/a										
	PESTICIDE DUPLICATE											✓
	PESTICIDE SPIKE											✓
	PESTICIDE BLANK											
TCDD	TCDD TABULATION	✓										
	TCDD DETECTION LIMIT	✓										
	TCDD CHRO./ E.I.C.P.	✓										
	TCDD BLANK											

000234

AR000234

DATA COMPLETENESS	CONC./MATRIX	LOW

FRACTION													
	TRAFFIC REPORT # C	4293	7977	4834	4835	4795	4297	4299	4679	4680	4681	4685	48
	LAB I.D. # C												
VOA :	RUN DATE/TIME	✓											
	TARGET COMPOUND TAB.	✓											
	TARGET COMPOUND D.L.	✓											
	TENT. I.D. COMPOUND TAB.	✓											
	SURROGATE RECOVERY	✓											
	GC SCREEN TABULATION	✓											
	GC/MS CHROMATOGRAMS	✓											
	TARGET CMPD. QUAN. LIST	✓											
	TARGET CMPD. SPECTRA	✓											
	TENT. I.D. CMPD. Q.L.	✓											
	TENT. CMPD. LIB. SRCH.	✓											
	CHRO./SENS. CHECKS	✓											
	BFB/DFTPP TUNE DATA	✓											
	I.S AREAS CHARTS	✓											
	I.S. REL. RESP. FORM	✓											
	RF & AMTS. : CALIB. CHK.	✓											
	RF & AMTS. : 3-PT CALIB.	✓											
	Chromatograms: Calib. Chk.	✓											
	Chromatograms: 3-Pt. Calib.	MS											
	LINEARITY : 3-PT. CALIB	✓											
	RF COMPARISON	✓											
	SAMPLE/FIELD BLANK												
	METHOD/INSTR. BLANK												
	LAB DUPLICATE					✓						✓	
	FIELD DUP/REP												
	MAT. SPK./M. STD.					✓							

COMMENTS :

KEY TO DATA COMPLETENESS FORM

Abbreviation Used on Form	Description of Checklist Item
Conc./Matrix	Concentration category submitted in analysis request (low, med, hi); and matrix (sol., aq.)
Fraction	Fill in acid, base/neutral, acid/base/neutral, or volatiles analysis
Run Date/Time	Instrument run date (to be used for correlating calibration)
Target Cmpd. Tab.	Tabulated results for target compounds
Target Cmpd. D.L.	Detection limits for target compounds (actual/level indicated by screen
Tent. I.D. Cmpd. Tab.	Tabulated results for tentatively identified compounds
Surr. Rec.	Surrogate recoveries results
GC Screen Tab.	Tabulated GC screen results indicating required level of followup
GC/MS Chromatograms	Chromatograms of GC/MS analysis runs
Target Cmpd. Quan. List	Target compounds quantitation list, showing areas, ret. times
Target Cmpd. Spectra	Enhanced and unenhanced spectra of target compound hits
Tent. I.D. Cmpd. Q.L.	Quantitation list for tentatively identified compounds
Tent. Cmpd. Lib. Srch.	Spectra and library match spectra of tentatively identified compounds
Chro./Sens. Checks	EICP's and R.R.F.'s for chromatographic sensitivity checks
BFB/DFTPP Tune Data	Spectra intensity lists, and criteria comparison forms for BFB, DFTPP
I.S. Areas Charts	Internal standards area control charts and description of remedial action
I.S. Rel. Resp. Form	Internal standards relative response listings for each sample run
RF and amts.: Calib. Chk.	Tabulated response factors and amount injected for all cmpds. in calibration check
RF and amts.: 3-Pt. Calib.	Tabulated response factors and amount injected for all cmpds. in 3-point calibration
Chromatograms: Calib. Chk.	Chromatograms for calibration check standard
Chromatograms: 3-Pt. Calib.	Chromatograms for 3-point multilevel calibration standards.
Linearity: 3-Pt. Calib.	Tabulated correlation coefficient or relative standard deviation for calibration
RF Comparison	Tabulated comparison of calibration Response Factor with check standard
Sample/Field Blank	Equipment rinse or reagent water blank shipped with samples from field
Method/Instr. Blank	Method or instrument blank which is prepared at lab
Lab Duplicate	Sample which was split by lab for duplicate analysis
Field Dup/Rep	Sample which was split or collected twice in the field
Mat. Spk./M. Std.	Matrix spike or method standard (blind, or done by lab)
Pest. Tab.	Tabulated results for pesticides
Pest. D.L. Tab.	Tabulated detection limits for pesticides
Pest. Chro.	Chromatograms for pesticide screening
2nd Col. Conf.	Confirmation of pesticide results by using a second GC column and temperature
GC/MS Conf.	Confirmation of pesticide results by GC/MS analysis
Pest. Dup., Spk. Blk.	Pesticide duplicate, spike, and blank
Pest. Std. Chro.	Chromatogram of pesticide standard
Pest. Std. I.D.	Pesticide standard identification form
TCDD	2,3,7,8-tetrachlorodibenzodioxin
TCDD Tab., D.L., EICP, Blk.	TCDD tabulated results, detection limits, extracted ion current profile, blank

KEY TO SYMBOLS USED IN DATA COMPLETENESS TABLE

Symbol	Meaning	Symbol	Meaning
✓	Data item present	I	Incomplete data item
NA	Data item not applicable or not required	NC	Data item not clearly explained (units of conc., etc)
P	Data item within established control limits		
F	Data item outside established control limits	* or [number]	See footnote
MS	Missing item	XX/XX/XX XX:XX	Date/Time of run (calibration, etc.)

C000236

DATA EVALUATION SCORE CATEGORIES

ACCEPTABLE: Data is within established control limits, or the data which is outside established control limits does not affect the validity of the analytical results.

ACCEPTABLE WITH EXCEPTION(S): Data is not completely within established control limits. The deficiences are identified and specific data is still valid, given certain qualifications which are listed below.

QUESTIONABLE: Data is not within established control limits. The deficiences bring the validity of the entire data set into question. However, the data validity is neither proved nor disproved by the available information.

UNACCEPTABLE: Data is not within established control limits. The deficiences imply the results are not meaningful.

RUN CHRONICLE

FRACTION: VOA			FRACTION: BNA			FRACTION:		
RUN ORDER	RUN ID/ DESCRIPTION	DATE / TIME	RUN ORDER	RUN ID/ DESCRIPTION	DATE / TIME	RUN ORDER	RUN ID/ DESCRIPTION	DATE / TIME
#2	C4293	2/22 11:05	(4)	C4293	3/7 15:35			
#5	C4295	2/22 16:51	(1)	C4295	3/7 10:29			
#6	C4297	2/22 18:12	(7)	C4297	3/7 20:08			
#7	C4299	2/22 19:02	(8)	C4299	3/7 21:05			
#8	C4679	2/22 20:04	(9)	C4679	3/7 22:05			
#9	C4680	2/22 20:50	#2	C4680	3/8 11:33			
#10	C4681	2/22 21:39	#3	C4681	3/8 12:38			
#11	C4834	2/22 22:28	#4	C4839?	3/8 13:36			
(#2)	C4835	2/23 10:06	#5	C4835	3/8 14:34			
(#3)	C4836	2/23 10:53	#6	C4836	3/8 15:34			
(#4)	C4885	2/23 12:06	#7	C4885	3/8 16:35			
(#5)	C4886	2/23 13:00	NO 2	C4886	3/9 18:53			
(#7)	C4890 "	2/23 15:03	NO 3	C4890	3/9 19:49			
(#8)	C4891 "	2/23 15:52	→2	C4891	3/10 10:35			
(#11)	C4892 "	2/23 19:28	→3	C4892	3/10 11:35			
(#9)	C4894 "	2/23 16:54	→4	C4894	3/10 12:32			
(#10)	C7977	2/23 17:57	→5	C7977	3/10 13:29			
#1	100 NG STD	2/22 10:22	→1	200 NG STD	3/10 9:32			
#4	" "	2/22 15:58	NO 1	" "	3/9 11:45			
(#1)	" "	2/23 8:54	#1	100 NG STD	3/8 10:33			
(#6)	" "	2/23 14:08	(6)	100 NG STD	3/7 19:12			
#3	BLK	2/22 12:53	(2)	" "	3/7 11:39			
(#12)	SPIKE	2/23 20:13	(3)	SPIKE	3/7 12:50			
(#13)	SPIKE	2/23 21:50	(5)	SPIKE	3/7 16:32			

000238

AR000238

PROJECT NAME: Domino Salvage
TDD NO: F3-8311-12

EPA SITE NO.: -
REGION: Fifth

QUALITY ASSURANCE REVIEW OF ORGANIC ANALYSIS LAB DATA PACKAGE

Case No.: 2420
Contract No.: 68-01-6724
Contract Laboratory: EAL Corp
Applicable IFB No.: WA-82-A155
Reviewer: Rock J. Vitale
Review Date: 8/13/84

Applicable Sample No's.: C4293, C7977, C4834, C4835, C4295, C4297, C4299, C4679, C4680, C4681, C4685, C4886, C4890, C4891, C4892, C4894, C4836

The organic analytical data for this case has been reviewed. The quality assurance evaluation is summarized in the following table:

Reviewer's Evaluation*	Fraction				
	VOLATILES	ACIDS	BASE/ NEUTRALS	PCB/ PEST.	TCDD
Acceptable					✓
Acceptable with exception(s)	✓ #1 #4	✓ #2 #3	✓ #1 #2	✓ #5	
Questionable					
Unacceptable					

* Definitions of the evaluation score categories are listed on next page.

This evaluation was based upon an analysis of the review items indicated below:

- ● DATA COMPLETENESS
- ● BLANK ANALYSIS RESULTS
- ● SURROGATE SPIKE RESULTS
- ● MATRIX SPIKE RESULTS
- ● DUPLICATE ANALYSIS RESULTS
- ● EVALUATION OF CONFIRMATIONS
- ● QUANTITATIVE CALCULATIONS
- ● TARGET COMPOUND MATCHING QUALITY
- ○ TENTATIVELY IDENTIFIED COMPOUNDS
- ◒ CHROMATOGRAPHIC SENSITIVITY CHECKS
- ◒ DFTPP AND BFB SPECTRUM TUNE RESULTS
- ◒ STANDARDS
- ◒ CALIBRATION CHECK STANDARDS
- ◒ INTERNAL STANDARDS PERFORMANCE

Data review forms are attached for each of the review items indicated above.

‡ No errors noted, no form attached.

◒ Spot Check performed.

Comments: #1 Please see blank analysis documentation
#2 Please see matrix spike recoveries
#3 Please see surrogate spike recoveries
#4 Chromatographic ghostings observed.
#5 Single peak pesticides are subject to chromatographic interferences.

APPENDIX D

WATER AND WASTEWATER REPORT
SAMPLE NUMBER - 9311411

COLLECTOR - MARTHA H KERN WQM4 COLLECTOR NO - 0407200
[illegible] - DOMINO SALVAGE
CASE NAME - [illegible]
FACILITY - HOUSE DUG WELL
[illegible] - [illegible] WQN STATION NUMBER - 000 SEAL INTACT
SAMPLING DATE - 4/06/83 TIME - 10:40 LAT - 00:00:00.0 LONG - 00:00:00.0

TYPE - [illegible] SOURCE - 03 STD ANAL - 500 RECEIVED ON - 4/07/83
SEAL NO(S) 96449 96450
REPORT REVIEWED BY DATE - 4/22/83

STORET	DESCRIPTION		RESULT	CONC	VERIFY BY		VERIFY DATE	COMM CODE
LABORATORY ANALYSIS :								
00340	COD HI LEVEL		24.0000	MG/L	G	RLS	4/21/83	
00403	PH LAB		7.5000		G	HWS	4/11/83	
00410	T ALK CACO3		164.0000	MG/L	G	HWS	4/11/83	
00515	RES DISS/105		253.0000	MG/L	G	HMJ	4/08/83	
00940	CHLORIDE		11.0000	MG/L	G	ICB	4/08/83	
00945	SO4 TOT		35.0000	MG/L	G	ELF	4/11/83	
01027	CD TOT UG/L	<	0.2000	UG/L	G	BHL	4/14/83	
01034	CR TOT UG/L	<	10.0000	UG/L	G	WET	4/18/83	
01042	CU TOT UG/L	<	10.0000	UG/L	G	WET	4/19/83	
01045	FE TOT		20.0000	UG/L	G	WET	4/18/83	
01051	PB-TOTAL		65.0000	UG/L	G	BHL	4/19/83	
01055	MN TOTAL		10.0000	UG/L	G	WET	4/18/83	
01067	NI-TOTAL		20.0000	UG/L	G	WET	4/18/83	
01092	ZN,TOT UG/L		50.0000	UG/L	G	WET	4/18/83	
01105	AL,TOTAL		170.0000	UG/L	G	TJZ	4/13/83	

SAMPLE COMMENTS
NO SAMPLE COMMENTS

TOTAL NUMBER TEST FOR THIS SAMPLE 15

RECEIVED
[illegible] 1983

WATER AND WASTEWATER REPORT
SAMPLE NUMBER - 9311610

COLLECTOR - MARTHA M KERN WSM4 COLLECTOR NO - 0403199
ESTAB - DOWNS SALVAGE
TASC NEAT - 4 g MED
FACILITY - BARN DUG WELL
ID CODE - NONE WSN STATION NUMBER - 000 SEAL INTACT
SAMPLING DATE - 4/06/83 TIME - 10:00 LAT - 00:00:00.0 LONG - 00:00:00.0

TYPE - 01 SOURCE - 03 STD ANAL - 500 RECEIVED ON - 4/07/83
SEAL NO(S) 98190 98188
REPORT REVIEWED BY DATE - 4/22/83

STORET	DESCRIPTION		RESULT	CONC	UNITS	VERIFY BY	VERIFY DATE	COMM CODE
LABORATORY ANALYSIS :								
00340	COD HI LEVEL		22.0000	MG/L	G	RLS	4/21/83	
00403	PH LAB		6.6000		S	PHS	4/11/83	
00410	T ALK CACO3		24.0000	MG/L	G	MWS	4/11/83	
00515	RES 3135/105		172.0000	MG/L	G	MMJ	4/08/83	
00940	CHLORIDE		8.0000	MG/L	G	ICB	4/08/83	
00945	SO4 TOT		20.0000	MG/L	G	BLF	4/11/83	
01027	CD TOT UG/L	<	0.2000	UG/L	G	BHL	4/14/83	
01034	CR TOT UG/L	<	10.0000	UG/L	G	WET	4/18/83	
01042	CU TOT UG/L		20.0000	UG/L	G	WET	4/18/83	
01045	FE TOT		20.0000	UG/L	G	WET	4/18/83	
01051	PB,TOTAL		70.0000	UG/L	G	BHL	4/19/83	
01055	MN TOTAL		10.0000	UG/L	G	WET	4/18/83	
01067	NI,TOTAL		20.0000	UG/L	G	WET	4/18/83	
01092	ZN,TOT UG/L		50.0000	UG/L	G	WET	4/18/83	
01105	AL,TOTAL		20.0000	UG/L	G	TJZ	4/13/83	

SAMPLE COMMENTS
NO SAMPLE COMMENTS

TOTAL NUMBER TEST FOR THIS SAMPLE 15

WATER AND WASTEWATER REPORT
SAMPLE NUMBER - 8311609

COLLECTOR - [illegible] COLLECTOR NO - 0412065
ESTAB - [illegible] SALVAGE
CASE NAME - A.W. MFG
FACILITY -
ID CODE - NONE WSN STATION NUMBER - 000 SEAL INTACT
SAMPLING DATE - 4/06/83 TIME - 13:10 LAT - 00:00:00.0 LONG - 00:00:00.0

TYPE - GC SOURCE - 01 STD ANAL - 500 RECEIVED ON - 4/07/83
SEAL NO(S) 98184 98185
REPORT REVIEWED BY DATE - 4/22/83

STORET	DESCRIPTION		RESULT	CONC	VERIFY BY	VERIFY DATE	COMM CODE
LABORATORY ANALYSIS :							
00340	COD HI LEVEL		24.0000	MG/L	G	RLS	4/21/83
00403	PH LAB		7.6000		G	HWS	4/11/83
00410	T ALK CACO3		150.0000	MG/L	G	HWS	4/11/83
00515	RES DISS/105		422.0000	MG/L	G	HMJ	4/08/83
00940	CHLORIDE		48.0000	MG/L	G	ICB	4/08/83
00945	SO4 TOT		60.0000	MG/L	G	BLF	4/11/83
01027	CD TOT UG/L	<	0.2000	UG/L	G	BHL	4/14/83
01034	CR TOT UG/L	<	10.0000	UG/L	G	WET	4/18/83
01042	CU TOT UG/L		20.0000	UG/L	G	WET	4/18/83
01045	FE TOT		1200.0000	UG/L	G	WET	4/18/83
01051	PB,TOTAL	<	5.0000	UG/L	G	BHL	4/14/83
01055	MN TOTAL		210.0000	UG/L	G	WET	4/18/83
01067	NI,TOTAL		20.0000	UG/L	G	WET	4/18/83
01092	ZN-TOT UG/L		30.0000	UG/L	G	WET	4/18/83
01105	AL,TOTAL		30.0000	UG/L	G	TJZ	4/13/83

SAMPLE COMMENTS
WC SAMPLE COMMENTS

TOTAL NUMBER TEST FOR THIS SAMPLE 15

WATER AND WASTEWATER REPORT
SAMPLE NUMBER - 8311594

COLLECTOR - MARTHA H KERN WQM4 COLLECTOR NO - 0403201
ESTAB - DOMINO SALVAGE
CASE NAME - M.W. MFG
FACILITY - E. SHORE WELL
ID CODE - NONE WQN STATION NUMBER - 000 SEAL INTACT
SAMPLING DATE - 4/06/83 TIME - 13:55 LAT - 00:00:00.0 LONG - 00:00:00.0

TYPE - 01 SOURCE - 03 STD ANAL - 500 RECEIVED ON - 4/07/83
SEAL NO(S) 98192 99463 FAW
REPORT REVIEWED BY DATE - 4/22/83
FAW

STORET	DESCRIPTION		RESULT	CONC	VERIFY BY	VERIFY DATE	COMM CODE
LABORATORY ANALYSIS :							
00340	COD HI LEVEL	<	10.0000	MG/L	G	RLS	4/21/83
00403	PH LAB		7.7000		G	HWS	4/11/83
00410	T ALK CACO3		102.0000	MG/L	G	HWS	4/11/83
00515	RES 2103/105		160.0000	MG/L	G	HHJ	4/08/83
00610	T NH3-N		0.0500	MG/L	G	ICB	4/07/83
00620	T NO3-N		3.3000	MG/L	G	ICB	4/08/83
00940	CHLORIDE		52.0000	MG/L	G	ICB	4/08/83
00945	SO4 TOT		10.0000	MG/L	G	BLF	4/11/83
01027	CD TOT UG/L	<	0.2000	UG/L	G	BHL	4/14/83
01034	CR TOT UG/L	<	10.0000	UG/L	G	WET	4/18/83
01042	CU TOT UG/L		40.0000	UG/L	G	WET	4/18/83
01045	FE TOT		20.0000	UG/L	G	WET	4/18/83
01051	FE,TOTAL	<	5.0000	UG/L	G	BHL	4/14/83
01055	MN TOTAL	<	10.0000	UG/L	G	WET	4/18/83
01067	NI,TOTAL	<	10.0000	UG/L	G	WET	4/18/83
01092	ZN,TOT UG/L		30.0000	UG/L	G	WET	4/18/83
01105	AL,TOTAL		70.0000	UG/L	G	TJZ	4/13/83

SAMPLE COMMENTS
NO SAMPLE COMMENTS

TOTAL NUMBER TEST FOR THIS SAMPLE 17

WATER AND WASTEWATER REPORT
SAMPLE NUMBER - 8311309

COLLECTOR - MARTHA H KERN WQ44 COLLECTOR NO - 0403198
ESTAB - DOW IND SALVAGE
CASE NAME - H.W. MFG
FACILITY - MW-10
ID CODE - NONE WQN STATION NUMBER - 000 SEAL INTACT
SAMPLING DATE - 4/05/83 TIME - 14:00 LAT - 00:00:00.0 LONG - 00:00:00.0

TYPE - 01 SOURCE - 04 STD ANAL - 500 RECEIVED ON - 4/06/83
SEAL NO(S) 96194 98195
REPORT REVIEWED BY DATE - 4/22/83

STORET	DESCRIPTION		RESULT	UOMC	VERIFY BY	VERIFY DATE	COMM CODE
LABORATORY ANALYSIS :							
00340	COD HI LEVEL		10.0000	MG/L	G	RLS	4/21/83
00403	P- LAB		7.5000		G	HWS	4/11/83
00410	T ALK CACO3		146.0000	MG/L	G	HWS	4/11/83
00515	RES DISS/105		324.0000	MG/L	G	HMJ	4/06/83
00940	CHLORIDE		22.0000	MG/L	G	IOS	4/07/83
00945	SO4 TOT		50.0000	MG/L	G	BLF	4/08/83
01027	CD TOT UG/L	<	0.2000	UG/L	G	BHL	4/13/83
01034	CR TOT UG/L	<	10.0000	UG/L	G	MRO	4/11/83
01042	CU TOT UG/L	<	10.0000	UG/L	G	MRO	4/11/83
01045	FE TOT		20.0000	UG/L	G	MRO	4/11/83
01051	PB,TOTAL	<	5.0000	UG/L	G	BHL	4/13/83
01055	MN TOTAL		30.0000	UG/L	G	MRO	4/11/83
01067	NI,TOTAL		30.0000	UG/L	G	MRO	4/11/83
01092	ZN,TOT UG/L		20.0000	UG/L	G	MRO	4/11/83
01105	AL,TOTAL		50.0000	UG/L	G	MRO	4/11/83

SAMPLE COMMENTS
NO SAMPLE COMMENTS

TOTAL NUMBER TEST FOR THIS SAMPLE 15

WATER AND WASTEWATER REPORT
SAMPLE NUMBER - 5311308

COLLECTOR - MARTHA H KERN WQMS   COLLECTOR NO - 0403197
ESTAB - LIVING SALVAGE
CASE NAME - M.B. MFG
FACILITY - MW-5
ID CODE - NONE   WQN STATION NUMBER - 000   SEAL INTACT
SAMPLING DATE - 4/05/93 TIME - 13:40 LAT - 00:00:00.0 LONG - 00:00:00.0

TYPE - 01 SOURCE - 03 STD ANAL - 509 RECEIVED ON - 4/06/93
SEAL NO(S) 98196 98197
REPORT REVIEWED BY ______________   DATE - 4/22/93

STORET	DESCRIPTION		RESULT	COND	VERIFY BY		VERIFY DATE	COMM CODE
LABORATORY ANALYSIS :								
00340	COD HI LEVEL		19.0000	MG/L	G	RLS	4/21/93	
00403	PH LAB		7.5000		G	HWS	4/11/93	
00410	T ALK CACO3		152.0000	MG/L	G	HWS	4/11/93	
00515	RES DISS/105		462.0000	MG/L	G	HMJ	4/06/93	
00940	CHLORIDE		55.0000	MG/L	G	ICB	4/07/93	
00945	SO4 TOT		60.0000	MG/L	G	SLF	4/09/93	
01027	CD TOT UG/L	<	0.2000	UG/L	G	BHL	4/13/93	
01034	CR TOT UG/L		10.0000	UG/L	G	MRO	4/11/93	
01042	CU TOT UG/L		30.0000	UG/L	G	MRO	4/11/93	
01045	FE TOT		150.0000	UG/L	G	MRO	4/11/93	
01051	PB-TOTAL		19.2000	UG/L	G	BHL	4/13/93	
01055	MN TOTAL		50.0000	UG/L	G	MRO	4/11/93	
01067	NI-TOTAL		30.0000	UG/L	G	MRO	4/11/93	
01092	ZN-TOT UG/L		110.0000	UG/L	G	MRO	4/11/93	
01105	AL-TOTAL		60.0000	UG/L	G	MRO	4/11/93	

SAMPLE COMMENTS
NO SAMPLE COMMENTS

TOTAL NUMBER TEST FOR THIS SAMPLE 15

WATER AND WASTEWATER REPORT
SAMPLE NUMBER - ST11300

COLLECTOR - MARTHA H KERN WQMA COLLECTOR NO - 0403196
ESTAB - DIAMOND SALVAGE
CASE NAME - A.V. MFG
FACILITY - [illegible]
[illegible] DATE - NONE WQN STATION NUMBER - 000 SEAL INTACT
SAMPLING DATE - 4/05/83 TIME - 12:00 LAT - 00:00:00.0 LONG - 00:00:00.0

TYPE - 11 SOURCE - 03 STD ANAL - 500 RECEIVED ON - 4/06/83
SEAL NO(S) 98112 98113
REPORT REVIEWED BY [signature] DATE - 4/22/83

STORET	DESCRIPTION		RESULT	CODE	VERIFY BY	VERIFY DATE	COMM CODE
LABORATORY ANALYSIS :							
00340	COD HI LEVEL		10.0000	MG/L	G	RLS	4/21/83
00403	PH LAB		7.4000		G	HWS	4/11/83
00410	T ALK CACO3		224.0000	MG/L	G	HWS	4/11/83
00515	RES DISS/105		480.0000	MG/L	G	HMJ	4/06/83
00940	CHLORIDE		55.0000	MG/L	G	ICS	4/07/83
00945	SO4 TOT		45.0000	MG/L	G	SLF	4/08/83
01027	CD TOT UG/L	<	0.2000	UG/L	G	BHL	4/13/83
01034	CR TOT UG/L	<	10.0000	UG/L	G	MRO	4/11/83
01042	CU TOT UG/L		20.0000	UG/L	G	MRO	4/11/83
01045	FE TOT		5370.0000	UG/L	G	MRO	4/11/83
01051	PB,TOTAL		8.6000	UG/L	G	BHL	4/13/83
01055	MN TOTAL		330.0000	UG/L	G	MRO	4/11/83
01067	NI,TOTAL	<	10.0000	UG/L	G	MRO	4/11/83
01092	ZN,TOT UG/L		20.0000	UG/L	G	MRO	4/11/83
01105	AL,TOTAL		40.0000	UG/L	G	MRO	4/11/83

SAMPLE COMMENTS
NO SAMPLE COMMENTS

TOTAL NUMBER TEST FOR THIS SAMPLE 15

WATER AND WASTEWATER REPORT
SAMPLE NUMBER - 8711P9

COLLECTOR - MARTHA H KERN WGNL COLLECTOR NO - 0403155
ESTAB - DIKING SALVAGE
BASE NAME - N.W. #3
FACILITY - PW-A

[illegible] CODE - NONE WGN STATION NUMBER - 700 SEAL INTACT
SAMPLING DATE - 4/05/83 TIME - 11:25 LAT - 00:00:00.0 LONG - 00:00:00.0

TYPE - 01 SOURCE - 03 STD ANAL - 500 RECEIVED ON - 4/06/83
SEAL NO(S) 96445 96446
REPORT REVIEWED BY [signature] DATE - 4/22/83

STORET	DESCRIPTION		RESULT	UOM	VERIFY BY	VERIFY DATE	COMM CODE
LABORATORY ANALYSIS :							
00340	COD HI LEVEL	<	10.0000	MG/L	3	RLS	4/21/83
00403	PH LAB		7.8000		3	HWS	4/11/83
00410	T ALK CACO3		148.0000	MG/L	3	HWS	4/11/83
00515	RES DISS/105		266.0000	MG/L	3	HMJ	4/06/83
00940	CHLORIDE		11.0000	MG/L	3	ICB	4/07/83
00945	SO4 TOT		35.0000	MG/L	3	SLF	4/08/83
01027	CD TOT UG/L	<	0.2000	UG/L	3	BHL	4/13/83
01034	CR TOT UG/L		20.0000	UG/L	3	MRO	4/11/83
01042	CU TOT UG/L		30.0000	UG/L	3	MRO	4/11/83
01045	FE TOT		60.0000	UG/L	3	MRO	4/11/83
01051	PB,TOTAL	<	5.0000	UG/L	3	BHL	4/13/83
01055	MN TOTAL		20.0000	UG/L	3	MRO	4/11/83
01067	NI,TOTAL		30.0000	UG/L	3	MRO	4/11/83
01092	ZN,TOT UG/L		30.0000	UG/L	3	MRO	4/11/83
01105	AL,TOTAL		60.0000	UG/L	3	MRO	4/11/83

SAMPLE COMMENTS
NO SAMPLE COMMENTS

TOTAL NUMBER TEST FOR THIS SAMPLE 15

RECEIVED
[illegible]

000248

AR000248

WATER AND WASTEWATER REPORT
SAMPLE NUMBER - 8311293

COLLECTOR - MARTHA H KERN WQM4 COLLECTOR NO - 0403194
ESTAB - DOMINO SALVAGE
CASE NAME - K.W. MFG
FACILITY - KW-F
ID CODE - NONE WQN STATION NUMBER - 000 SEAL INTACT
SAMPLING DATE - 4/05/83 TIME - 10:17 LAT - 00:00:00.0 LONG - 00:00:00.0

TYPE - 01 SOURCE - 03 STD ANAL - 500 RECEIVED ON - 4/06/83
SEAL NO(S) 99465 99467
REPORT REVIEWED BY DATE - 4/22/83

STORET	DESCRIPTION		RESULT	CONC	VERIFY BY	VERIFY DATE	COMM CODE
LABORATORY ANALYSIS :							
00340	COD HI LEVEL		17.0000	MG/L	G	RLS	4/21/83
00403	PH LAB		7.7000		G	HWS	4/11/83
00410	T ALK CACO3		164.0000	MG/L	G	HWS	4/11/83
00515	RES D180/105		368.0000	MG/L	G	HMJ	4/06/83
00940	CHLORIDE		22.0000	MG/L	G	ICB	4/07/83
00945	SO4 TOT		105.0000	MG/L	G	BLF	4/08/83
01027	CD TOT UG/L	<	0.2000	UG/L	G	BHL	4/13/83
01034	CR TOT UG/L	<	10.0000	UG/L	G	MRO	4/11/83
01042	CU TOT UG/L		20.0000	UG/L	G	MRO	4/11/83
01045	FE TOT		6500.0000	UG/L	G	MRO	4/11/83
01051	PB,TOTAL		9.5000	UG/L	G	BHL	4/13/83
01055	MN TOTAL		150.0000	UG/L	G	MRO	4/11/83
01067	NI,TOTAL		10.0000	UG/L	G	MRO	4/11/83
01092	ZN,TOT UG/L		10.0000	UG/L	G	MRO	4/11/83
01105	AL,TOTAL		60.0000	UG/L	G	MRO	4/11/83

SAMPLE COMMENTS
NO SAMPLE COMMENTS

TOTAL NUMBER TEST FOR THIS SAMPLE 15

WATER AND WASTEWATER RESULT

SAMPLE NUMBER - 8311697

COLLECTOR - MARTHA M KERN WSM4 COLLECTOR NO - 0403193

ESTAB - DOMINO SALVAGE

CASE NAME - M.W. MFG

FACILITY - PENN DOT TRAILER WELL

ID CODE - WWE WSM STATION NUMBER - 000 SEAL INTACT

SAMPLING DATE - 4/05/83 TIME - 11:00 LAT - 00:00:00.0 LONG - 00:00:00.0

TYPE - 01 SOURCE - 03 STD ANAL - 500 RECEIVED ON - 4/06/83

SEAL NO(S) 98109 98110 JCW

REPORT REVIEWED BY DATE - 4/22/83

STORET	DESCRIPTION		RESULT	CONC	VERIFY BY	VERIFY DATE	COMM CODE
LABORATORY ANALYSIS :							
00340	COD HI LEVEL		10.0000	MG/L	G	RLS	4/21/83
00403	PH LAB		7.6000		G	HWS	4/11/83
00410	T ALK CACO3		108.0000	MG/L	G	HWS	4/11/83
00515	RES DISS/105		570.0000	MG/L	G	HMJ	4/06/83
00940	CHLORIDE		242.0000	MG/L	G	ICE	4/07/83
01945	SO4 TOT		30.0000	MG/L	G	BLF	4/08/83
01027	CD TOT UG/L	<	0.2000	UG/L	G	BHL	4/13/83
01034	CR TOT UG/L	<	10.0000	UG/L	G	MRO	4/11/83
01042	CU TOT UG/L		20.0000	UG/L	G	MRO	4/11/83
01045	FE TOT		410.0000	UG/L	G	MRO	4/11/83
01051	PB,TOTAL		38.0000	UG/L	G	BHL	4/13/83
01055	MN TOTAL		180.0000	UG/L	G	MRO	4/11/83
01067	NI,TOTAL		10.0000	UG/L	G	MRO	4/11/83
01092	ZN,TOT UG/L		10.0000	UG/L	G	MRO	4/11/83
01105	AL,TOTAL		70.0000	UG/L	G	MRO	4/11/83

SAMPLE COMMENTS

NO SAMPLE COMMENTS

TOTAL NUMBER TEST FOR THIS SAMPLE 15

6

ENVIRONMENTAL PROTECTION AGENCY
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P.O. Box 818 — Alexandria, Virginia 22313
703/557-2490 FTS 8-557-2490

Sample No.
MC 375

INORGANICS ANALYSIS DATA SHEET

LAB NAME CHEMTECH
CASE NO. 2430M SAS 982C
LAB SAMPLE ID. NO. G2-182A-02 M.C.
QC REPORT NO. 182A

TASK 1 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Aluminum	73.8	10.	Zinc	C 42.5
2.	Chromium	B N D	11.	Boron	B N D
3.	Barium	< 2.5	12.	Vanadium	< 50
4.	Beryllium	< 1.3	13.	Silver	B N D
5.	Cobalt	< 12.5			
6.	Copper	B N D			
7.	Iron	C 121.			
8.	Nickel	B N D			
9.	Manganese	3.0			

TASK 2 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Arsenic	< 2.5	5.	Mercury	< 0.1
2.	Antimony	< 5	6.	Tin	19.
3.	Selenium	< 0.5	7.	Cadmium	1.3
4.	Thallium	< 2.5	8.	Lead	See Note attached

TASK 3 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)
1.	Ammonia	
2.	Cyanide	
3.	Sulfide	

COMMENTS:

D. Hesseman
8/14/84

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e Management Office
818 – Alexandria, Virginia 22313
-2490 FTS 8-557-2490

Sample No.
MC 37419

INORGANICS ANALYSIS DATA SHEET

LAB NAME CHEMTECH CASE NO. 2450H SAS 882C

LAB SAMPLE ID. NO. G2-182A-01 QC REPORT NO. 182A
Medium Concentrate.

TASK 1 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
	Aluminum	<25	10.	Zinc	ND B
	Chromium	B ND	11.	Boron	ND B
	Barium	<25	12.	Vanadium	<50
	Beryllium	<1.3	13.	Silver	ND B
	Cobalt	<12.5			
	Copper	B ND			
	Iron	B ND			
	Nickel	C 44.8			
	Manganese	<2.5			

TASK 2 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
	Arsenic	<2.5	5.	Mercury	<0.1
	Antimony	<5	6.	Tin	9.0
	Selenium	<0.5	7.	Cadmium	1.0
	Thallium	<2.5	8.	Lead	See Note attached

TASK 3 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)
1.	Ammonia	
2.	Cyanide	
3.	Sulfide	

COMMENTS:

D. Hesseman
8/14/84

000252

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Sample No.
mc 3748

INORGANICS ANALYSIS DATA SHEET

LAB NAME CHEMTECH CASE NO. 2420

LAB SAMPLE ID. NO. G2-182-2.1 QC REPORT NO. 182

TASK 1 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Aluminum	24610	10.	Zinc	223
	Chromium	37.0	11.	Boron	716K < 100
3.	Barium	710	12.	Vanadium	< 200
	Beryllium	< 5	13.	Silver	< 10
5.	Cobalt	65			
6.	Copper	938			
7.	Iron	61620			
8.	Nickel	104			
9.	Manganese	13430			

TASK 2 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Arsenic	10	5.	Mercury	< 0.2
2.	Antimony	< 20	6.	Tin	37
3.	Selenium	< 2	7.	Cadmium	1.5
4.	Thallium	< 10	8.	Lead	109

TASK 3 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)
1.	Ammonia	
(2)	Cyanide	< 10
3.	Sulfide	

COMMENTS:

D. Hessemer
3/6/84

US ENVIRONMENTAL PROTECTION AGENCY
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Sample No.
mc 3747

INORGANICS ANALYSIS DATA SHEET

LAB NAME CHEMTECH CASE NO. 2420
LAB SAMPLE ID. NO. G2-182-20 QC REPORT NO. 182

TASK 1 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Aluminum	<100	10.	Zinc	61
2.	Chromium	<10	11.	Boron	~~56~~ <100
3.	Barium	<100	12.	Vanadium	<200
4.	Beryllium	<5	13.	Silver	<10
5.	Cobalt	<50			
6.	Copper	<50			
7.	Iron	213			
8.	Nickel	<40			
9.	Manganese	<10			

TASK 2 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Arsenic	<10	5.	Mercury	<0.2
2.	Antimony	<20	6.	Tin	45
3.	Selenium	<2	7.	Cadmium	1.6
4.	Thallium	<10	8.	Lead	11

TASK 3 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)
1.	Ammonia	
(2.)	Cyanide	<10
3.	Sulfide	

COMMENTS:

D. Hessen
3/6/84

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HWI Sample Management Office
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703/557-2490 FTS 8-557-2490

Sample No.
mc 5746

INORGANICS ANALYSIS DATA SHEET

LAB NAME CHEMTECH CASE NO. 2420

LAB SAMPLE ID. NO. G2-182-19 QC REPORT NO. 182

TASK 1 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Aluminum	384	10.	Zinc	77.6
2.	Chromium	67.3	11.	Boron	<5
3.	Barium	19.8	12.	Vanadium	<200
4.	Beryllium	<0.25	13.	Silver	0.46
5.	Cobalt	<2.5			
6.	Copper	8490			
7.	Iron	552			
8.	Nickel	<2			
9.	Manganese	2.1			

TASK 2 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Arsenic	<0.5	5.	Mercury	<0.1
2.	Antimony	27.5	6.	Tin	895 ICP
3.	Selenium	<0.1	7.	Cadmium	1.7
4.	Thallium	<0.5	8.	Lead	11350 ICP

TASK 3 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)
1.	Ammonia	
(2)	Cyanide	<0.25
3.	Sulfide	

COMMENTS:

D. Hessemer
3/6/84

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Sample No.
mc 374 5

INORGANICS ANALYSIS DATA SHEET

LAB NAME CHEMTECH CASE NO. 2420
LAB SAMPLE ID. NO. G2-182-18 QC REPORT NO. 182

TASK 1 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Aluminum	198	10.	Zinc	60.7
2.	Chromium	39.5	11.	Boron	<5
3.	Barium	15.5	12.	Vanadium	<10
4.	Beryllium	<0.25	13.	Silver	0.80
5.	Cobalt	<2.5			
6.	Copper	14145			
7.	Iron	378			
8.	Nickel	<2			
9.	Manganese	10.9			

TASK 2 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Arsenic	<0.5	5.	Mercury	<0.1
2.	Antimony	17	6.	Tin	980 ICP
3.	Selenium	<0.1	7.	Cadmium	2.1
4.	Thallium	<0.5	8.	Lead	1620 ICP

TASK 3 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)
1.	Ammonia	
(2)	Cyanide	<0.25
3.	Sulfide	

COMMENTS:

D. Hessman
3/6/84

000256

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Sample No.
mc 3744

INORGANICS ANALYSIS DATA SHEET

LAB NAME CHEMTECH CASE NO. 2420

LAB SAMPLE ID. NO. G2-182-17 QC REPORT NO. 182

TASK 1 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Aluminum	719	10.	Zinc	141
.	Chromium	11	11.	Boron	<100
3.	Barium	<100	12.	Vanadium	<200
.	Beryllium	<5	13.	Silver	<10
5.	Cobalt	<50			
.	Copper	2072			
.	Iron	11340			
.	Nickel	<40			
.	Manganese	347			

TASK 2 (Elements to be Identified and Measured)

			ug/l or mg/kg (circle one)				ug/l or mg/kg (circle one)
.	Arsenic	<10		5.	Mercury	0.6	
2.	Antimony	<20		6.	Tin	349	
.	Selenium	<2		7.	Cadmium	1.8	
.	Thallium	<10		8.	Lead	78	

TASK 3 (Elements to be Identified and Measured)

			ug/l or mg/kg (circle one)
1.	Ammonia		
(2)	Cyanide	14	
3.	Sulfide		

COMMENTS:

D. Hessman
3/6/84

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Sample No.
MC 3143

INORGANICS ANALYSIS DATA SHEET

LAB NAME CHEMTECH CASE NO. 2420
LAB SAMPLE ID. NO. G2-182-16 QC REPORT NO. 182

TASK 1 (Elements to be Identified and Measured)

		(ug/l) or mg/kg (circle one)			(ug/l) or mg/kg (circle one)
1.	Aluminum	124900	10.	Zinc	438
2.	Chromium	131	11.	Boron	~~GR 58~~ < 100
3.	Barium	928	12.	Vanadium	< 200
4.	Beryllium	~~GR 7~~ 10	13.	Silver	< 10
5.	Cobalt	74			
6.	Copper	517			
7.	Iron	206			
8.	Nickel	221			
9.	Manganese	7292			

TASK 2 (Elements to be Identified and Measured)

		(ug/l) or mg/kg (circle one)			(ug/l) or mg/kg (circle one)
1.	Arsenic	14	5.	Mercury	< 0.2
2.	Antimony	< 20	6.	Tin	169
3.	Selenium	< 2	7.	Cadmium	1.5
4.	Thallium	< 10	8.	Lead	241

TASK 3 (Elements to be Identified and Measured)

		(ug/l) or mg/kg (circle one)
1.	Ammonia	
(2)	Cyanide	< 10
3.	Sulfide	

COMMENTS:

D. Hessemer
3/6/84

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US ENVIRONMENTAL PROTECTION AGENCY
HWI Sample Management Office
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Sample No.
mc 3742

INORGANICS ANALYSIS DATA SHEET

LAB NAME CHEMTECH CASE NO. 2420

LAB SAMPLE ID. NO. G2-182-15 QC REPORT NO. 182

TASK 1 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Aluminum	525	10.	Zinc	246
2.	Chromium	<10	11.	Boron	<100
3.	Barium	<100	12.	Vanadium	<200
4.	Beryllium	<5	13.	Silver	<10
5.	Cobalt	<50			
6.	Copper	247			
7.	Iron	43010			
8.	Nickel	<40			
9.	Manganese	178			

TASK 2 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Arsenic	<10	5.	Mercury	<0.2
2.	Antimony	<20	6.	Tin	270
3.	Selenium	<2	7.	Cadmium	<4
4.	Thallium	<10	8.	Lead	55

TASK 3 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)
1.	Ammonia	
(2)	Cyanide	<10
3.	Sulfide	

COMMENTS:

D. Hessemer
3/6/84

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US ENVIRONMENTAL PROTECTION AGENCY
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Sample No.
mc 3741

INORGANICS ANALYSIS DATA SHEET

AB NAME CHEMTECH CASE NO. 2420
LAB SAMPLE ID. NO. G2-182-14 QC REPORT NO. 182

TASK 1 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Aluminum	371	10.	Zinc	420
.	Chromium	19.7	11.	Boron	7.3
3.	Barium	105	12.	Vanadium	<10
4.	Beryllium	~~6K<5~~ <0.25	13.	Silver	2.1
5.	Cobalt	<2.5			
6.	Copper	9220			
7.	Iron	506			
8.	Nickel	5.5			
9.	Manganese	6.9			

TASK 2 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Arsenic	<0.5	5.	Mercury	<0.[illegible]
2.	Antimony	6[illegible]	6.	Tin	[illegible]
3.	Selenium	<0.[illegible]	7.	Cadmium	[illegible]
4.	Thallium	<0.5	8.	Lead	[illegible]

TASK 3 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)
1.	Ammonia	
(2)	Cyanide	0.80
3.	Sulfide	

COMMENTS:

D. Hessemer
3/6/84
000260

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AR000260

US ENVIRONMENTAL PROTECTION AGENCY
HWI Sample Management Office
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Sample No.
mc 3740

INORGANICS ANALYSIS DATA SHEET

AB NAME CHEMTECH CASE NO. 2420

LAB SAMPLE ID. NO. G2-182-13 QC REPORT NO. 182

TASK 1 (Elements to be Identified and Measured)

		ug/l or (mg/kg) (circle one)			ug/l or (mg/kg) (circle one)
1.	Aluminum	330	10.	Zinc	<05
.	Chromium	42.9	11.	Boron	<5
3.	Barium	75.5	12.	Vanadium	<10
.	Beryllium	<0.25	13.	Silver	1.9
.	Cobalt	<2.5			
4.	Copper	63,850			
.	Iron	603			
8.	Nickel	2.4			
1.	Manganese	7.4			

TASK 2 (Elements to be Identified and Measured)

		ug/l or (mg/kg) (circle one)			ug/l or (mg/kg) (circle one)
1.	Arsenic	<0.5	5.	Mercury	<0.1
2.	Antimony	84	6.	Tin	805 ICP
1.	Selenium	<0.1	7.	Cadmium	9.2
9.	Thallium	<0.5	8.	Lead	2770 ICP

TASK 3 (Elements to be Identified and Measured)

		ug/l or (mg/kg) (circle one)
1.	Ammonia	
(2)	Cyanide	1.43
3.	Sulfide	

COMMENTS:

D. Hessemer
3/6/84

000261

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AR000261

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Sample No.
mc 5739

INORGANICS ANALYSIS DATA SHEET

LAB NAME CHEMTECH CASE NO. 2420
LAB SAMPLE ID. NO. G2-182-12 QC REPORT NO. 182

TASK 1 (Elements to be Identified and Measured)

		ug/l or (mg/kg) (circle one)			ug/l or (mg/kg) (circle one)
1.	Aluminum	8485	10.	Zinc	112
2.	Chromium	11.1	11.	Boron	<5
3.	Barium	84.3	12.	Vanadium	17.5
4.	Beryllium	0.73	13.	Silver	<0.5
5.	Cobalt	6.5			
6.	Copper	409			
7.	Iron	14935			
8.	Nickel	11.9			
9.	Manganese	181			

TASK 2 (Elements to be Identified and Measured)

		ug/l or (mg/kg) (circle one)			ug/l or (mg/kg) (circle one)
1.	Arsenic	3.0	5.	Mercury	<0.1
2.	Antimony	<1	6.	Tin	2.1
3.	Selenium	<0.1	7.	Cadmium	1.6
4.	Thallium	<0.5	8.	Lead	60

TASK 3 (Elements to be Identified and Measured)

		ug/l or (mg/kg) (circle one)
1.	Ammonia	
(2)	Cyanide	0.45
3.	Sulfide	

COMMENTS:

D. Hessman
3/6/84

US ENVIRONMENTAL PROTECTION AGENCY
HWI Sample Management Office
P.O. Box 818 – Alexandria, Virginia 22313
703/557-2490 FTS 8-557-2490

Sample No.
mc 3738

INORGANICS ANALYSIS DATA SHEET

LAB NAME CHEMTECH CASE NO. 2420

LAB SAMPLE ID. NO. G2-182-11 QC REPORT NO. 182

TASK 1 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Aluminum	358	10.	Zinc	973
2.	Chromium	<10	11.	Boron	<100
3.	Barium	<100	12.	Vanadium	<200
4.	Beryllium	<5	13.	Silver	<10
5.	Cobalt	<50			
6.	Copper	3055			
7.	Iron	1977			
8.	Nickel	<40			
9.	Manganese	467			

TASK 2 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Arsenic	<10	5.	Mercury	<0.2
2.	Antimony	<20	6.	Tin	<20
3.	Selenium	<2	7.	Cadmium	9.8
4.	Thallium	<10	8.	Lead	178

TASK 3 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)
1.	Ammonia	
(2.)	Cyanide	<10
3.	Sulfide	

COMMENTS:

D. Hessemer
3/6/84

000263

US ENVIRONMENTAL PROTECTION AGENCY
HWI Sample Management Office
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703/557-2490 FTS 8-557-2490

Sample No.
mc 3737

INORGANICS ANALYSIS DATA SHEET

LAB NAME CHEMTECH CASE NO. 2420
LAB SAMPLE ID. NO. G2-182-10 QC REPORT NO. 182

TASK 1 (Elements to be Identified and Measured)

		ug/l or (mg/kg) (circle one)			ug/l or (mg/kg) (circle one)
1.	Aluminum	4765	10.	Zinc	391
2.	Chromium	6.8	11.	Boron	<5
3.	Barium	58.3	12.	Vanadium	<10
4.	Beryllium	0.60	13.	Silver	<0.5
5.	Cobalt	2.1			
6.	Copper	6110			
7.	Iron	6980			
8.	Nickel	8.9			
9.	Manganese	55.4			

TASK 2 (Elements to be Identified and Measured)

		ug/l or (mg/kg) (circle one)			ug/l or (mg/kg) (circle one)
1.	Arsenic	1.1	5.	Mercury	<0.1
2.	Antimony	<1	6.	Tin	2.0
3.	Selenium	<0.1	7.	Cadmium	15.2
4.	Thallium	<0.5	8.	Lead	375

TASK 3 (Elements to be Identified and Measured)

		ug/l or (mg/kg) (circle one)
1.	Ammonia	
(2)	Cyanide	1.53
3.	Sulfide	

COMMENTS:

D. Hessen
3/6/84

US ENVIRONMENTAL PROTECTION AGENCY
HWI Sample Management Office
P.O. Box 818 – Alexandria, Virginia 22313
703/557-2490 FTS 8-557-2490

Sample No.
mc 3736

INORGANICS ANALYSIS DATA SHEET

LAB NAME CHEMTECH CASE NO. 2420

LAB SAMPLE ID. NO. G2-182-09 QC REPORT NO. 182

TASK 1 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Aluminum	418	10.	Zinc	1326
2.	Chromium	6 < 8 < 10	11.	Boron	< 100
3.	Barium	< 100	12.	Vanadium	< 200
4.	Beryllium	< 5	13.	Silver	< 10
5.	Cobalt	< 50			
6.	Copper	5805			
7.	Iron	2538			
8.	Nickel	< 40			
9.	Manganese	525			

TASK 2 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Arsenic	< 10	5.	Mercury	< 0.2
2.	Antimony	< 20	6.	Tin	28
3.	Selenium	< 2	7.	Cadmium	39
4.	Thallium	< 10	8.	Lead	~~23.0~~ DA 459

TASK 3 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)
1.	Ammonia	
(2)	Cyanide	57
3.	Sulfide	

COMMENTS:

D. Hessem
3/6/84

Form I

US ENVIRONMENTAL PROTECTION AGENCY
HWI Sample Management Office
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703/557-2490 FTS 8-557-2490

Sample No.
mc3735

INORGANICS ANALYSIS DATA SHEET

LAB NAME CHEMTECH CASE NO. 2420
LAB SAMPLE ID. NO. G2-182-08 QC REPORT NO. 182

TASK 1 (Elements to be Identified and Measured)

		ug/l or (mg/kg) (circle one)			ug/l or (mg/kg) (circle one)
1.	Aluminum	7310	10.	Zinc	164
2.	Chromium	12.1	11.	Boron	<5
3.	Barium	69.8	12.	Vanadium	14.3
4.	Beryllium	0.78	13.	Silver	<0.5
5.	Cobalt	9.8			
6.	Copper	422			
7.	Iron	17475			
8.	Nickel	19.9			
9.	Manganese	448			

TASK 2 (Elements to be Identified and Measured)

		ug/l or (mg/kg) (circle one)			ug/l or (mg/kg) (circle one)
1.	Arsenic	4.3	5.	Mercury	<0.1
2.	Antimony	<1	6.	Tin	<1
3.	Selenium	0.10	7.	Cadmium	0.15
4.	Thallium	<0.5	8.	Lead	52

TASK 3 (Elements to be Identified and Measured)

		ug/l or (mg/kg) (circle one)
1.	Ammonia	
(2)	Cyanide	0.30
3.	Sulfide	

COMMENTS:

D. Hessemer
3/6/84

000266

Form I

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Sample No.
mc 3734

INORGANICS ANALYSIS DATA SHEET

LAB NAME CHEMTECH CASE NO. 2420

LAB SAMPLE ID. NO. G2-182-07 QC REPORT NO. 182

TASK 1 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Aluminum	402	10.	Zinc	167
2.	Chromium	<10	11.	Boron	<100
3.	Barium	<100	12.	Vanadium	<200
4.	Beryllium	<5	13.	Silver	<10
5.	Cobalt	<50			
6.	Copper	442			
7.	Iron	957			
8.	Nickel	<40			
9.	Manganese	270			

TASK 2 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Arsenic	<10	5.	Mercury	<0.2
2.	Antimony	<20	6.	Tin	<20
3.	Selenium	<2	7.	Cadmium	2.1
4.	Thallium	<10	8.	Lead	29

TASK 3 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)
1.	Ammonia	
(2.)	Cyanide	<10
3.	Sulfide	

COMMENTS:

D. Hessem 3/6/84

Form I

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703/557-2490 FTS 8-557-2490

Sample No.
mc 5733

INORGANICS ANALYSIS DATA SHEET

LAB NAME CHEMTECH CASE NO. 2420

LAB SAMPLE ID. NO. G2-182-06 QC REPORT NO. 182

TASK 1 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Aluminum	1331 ~~60~~ 6K	10.	Zinc	20.~~0~~ 6K 21
2.	Chromium	<10	11.	Boron	<100
3.	Barium	<100	12.	Vanadium	<200
4.	Beryllium	<5	13.	Silver	<10
5.	Cobalt	<50			
6.	Copper	202			
7.	Iron	2482			
8.	Nickel	<40			
9.	Manganese	131			

TASK 2 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Arsenic	<10	5.	Mercury	<0.2
2.	Antimony	<20	6.	Tin	<20
3.	Selenium	<2	7.	Cadmium	<1
4.	Thallium	<10	8.	Lead	17

TASK 3 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)
1.	Ammonia	
(2.)	Cyanide	<10
3.	Sulfide	

COMMENTS:

D. Hersemer
3/6/84

Sample Site
F3-232-01

US ENVIRONMENTAL PROTECTION AGENCY
HWI Sample Management Office
P.O. Box 818 – Alexandria, Virginia 22313
703/557-2490 FTS 8-557-2490

Sample No.
mc 3732

INORGANICS ANALYSIS DATA SHEET

AB NAME CHEMTECH CASE NO. 2420

LAB SAMPLE ID. NO. G2-182-0.5 QC REPORT NO. 182

TASK 1 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Aluminum	7225	10.	Zinc	72.3
.	Chromium	17.1	11.	Boron	~~6K~~ <700 <5
.	Barium	60.7	12.	Vanadium	17.7
.	Beryllium	1.0	13.	Silver	~~<10 6K~~ <0.5
.	Cobalt	14			
4.	Copper	24.4			
.	Iron	25685			
8.	Nickel	30.3			
9.	Manganese	632			

TASK 2 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Arsenic	9.5	5.	Mercury	~~DH <0.2~~ <0.1
2.	Antimony	<1	6.	Tin	~~2 DH~~ 1.1
3.	Selenium	~~DH <2~~ <0.1	7.	Cadmium	0.18
4.	Thallium	~~DH <10~~ <0.5	8.	Lead	23.5

TASK 3 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)
1.	Ammonia	
(2)	Cyanide	0.43
3.	Sulfide	

COMMENTS:

D. Hessun
3/6/84

000269

Form I

AR000269

US ENVIRONMENTAL PROTECTION AGENCY
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703/557-2490 FTS 8-557-2490

Sample No.
mc 296

INORGANICS ANALYSIS DATA SHEET

LAB NAME CHEMTECH CASE NO. 2420

LAB SAMPLE ID. NO. G2-182-04 QC REPORT NO. 182

TASK 1 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/l (circle one)
1.	Aluminum	671	10.	Zinc	549
2.	Chromium	<10	11.	Boron	<100
3.	Barium	<100	12.	Vanadium	<200
4.	Beryllium	<5	13.	Silver	<10
5.	Cobalt	<50			
6.	Copper	8517			
7.	Iron	2989			
8.	Nickel	<40			
9.	Manganese	623			

TASK 2 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/ (circle on
1.	Arsenic	<10	5.	Mercury	<0.2
2.	Antimony	39	6.	Tin	59
3.	Selenium	<2	7.	Cadmium	7.5
4.	Thallium	<10	8.	Lead	36.5

TASK 3 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)
1.	Ammonia	
(2)	Cyanide	<10
3.	Sulfide	

COMMENTS:

D. Hesselmeier
3/6/84

Form I

AR000270 000270

US ENVIRONMENTAL PROTECTION AGENCY
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Sample No.
mc 2968

INORGANICS ANALYSIS DATA SHEET

AB NAME CHEMTECH CASE NO. 2420

LAB SAMPLE ID. NO. G2-182 C3 QC REPORT NO. 182

TASK 1 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Aluminum	376	10.	Zinc	524
.	Chromium	<10	11.	Boron	<100
3.	Barium	<100	12.	Vanadium	<200
.	Beryllium	<5	13.	Silver	<10
.	Cobalt	<50			
6.	Copper	2428			
.	Iron	1018			
8.	Nickel	<40			
.	Manganese	653			

TASK 2 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
.	Arsenic	<10	5.	Mercury	<0.2
2.	Antimony	25	6.	Tin	~~19~~ 04 3800
3.	Selenium	<2	7.	Cadmium	11
4.	Thallium	<10	8.	Lead	6.1

TASK 3 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)
1.	Ammonia	
(2.)	Cyanide	<10
3.	Sulfide	

COMMENTS:

D. Hessman
3/6/84

000271

Form I

US ENVIRONMENTAL PROTECTION AGENCY
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703/557-2490 FTS 8-557-2490

Sample No.
MC 2467

INORGANICS ANALYSIS DATA SHEET

LAB NAME CHEMTECH CASE NO. 2420

LAB SAMPLE ID. NO. G2-182-02 QC REPORT NO. 182

TASK 1 (Elements to be Identified and Measured)

		ug/l or (mg/kg) (circle one)			ug/l or (mg/kg) (circle one)
1.	Aluminum	938	10.	Zinc	123
2.	Chromium	7.9	11.	Boron	<5
3.	Barium	32.5	12.	Vanadium	<10
4.	Beryllium	<0.25	13.	Silver	0.71
5.	Cobalt	<2.5			
6.	Copper	2747			
7.	Iron	2161			
8.	Nickel	4.1			
9.	Manganese	34.8			

TASK 2 (Elements to be Identified and Measured)

		ug/l or (mg/kg) (circle one)			ug/l or (mg/kg) (circle one)
1.	Arsenic	<0.5	5.	Mercury	<0.1
2.	Antimony	2.5	6.	Tin	216
3.	Selenium	<0.1	7.	Cadmium	3.4
4.	Thallium	<0.5	8.	Lead	725 ICP

TASK 3 (Elements to be Identified and Measured)

		ug/l or (mg/kg) (circle one)
1.	Ammonia	
(2)	Cyanide	0.53
3.	Sulfide	

COMMENTS:

D. Hessem
3/6/84

ENVIRONMENTAL PROTECTION AGENCY
Sample Management Office
Box 818 — Alexandria, Virginia 22313
557-2490 FTS 8-557-2490

RECEIVED

Sample No.
MC 2966

INORGANICS ANALYSIS DATA SHEET

AME CHEMTECH
SAMPLE ID. NO. G2-182-C1E

CASE NO. 2420
QC REPORT NO. 182

TASK 1 (Elements to be Identified and Measured)

		ug/l or (mg/kg) (circle one)
	Aluminum	200
	hromium	32.3
	Barium	59.4
	eryllium	<0.25
	Cobalt	<2.5
	Copper	16545
	Iron	1646
	Nickel	<2
	Manganese	4.1
10.	Zinc	185
11.	Boron	<5
12.	Vanadium	<10
13.	Silver	1.9

TASK 2 (Elements to be Identified and Measured)

		ug/l or (mg/kg) (circle one)		
	Arsenic	<0.5		
2.	Antimony	123		
	Selenium	<0.1		
	Thallium	<0.5		
5.	Mercury	<0.1		
6.	Tin	416		
7.	Cadmium	1.5		
8.	Lead	1440	ICP	

TASK 3 (Elements to be Identified and Measured)

		ug/l or (mg/kg) (circle one)
1.	Ammonia	
(2)	Cyanide	<0.25
3.	Sulfide	

COMMENTS:

D. Hessemer
3/6/84

Form I

000273

AR000273

Case #/SAS #: 982C Laboratory: IT / WCTS Sample #: C4889
Date Rec'd: 3-6-84 Contract #: SAS % Moisture: 4.7%
Data Release Authorized by: Thomas A Adams

Organics Analysis Data Sheet

Pesticides

Level/Matrix: MEDIUM OIL
QC Report #: SAS#982C-1
Spl->Extract: 0.210g->10mls
Lab Std ID: 314-1
Lab ID: 317-12
Date Extracted: 3-10-84
Date Analyzed: 3-18-84
Circle Units: (ug/Kg) ug/L

89P	aldrin	500U
90P	dieldrin	"
91P	chlordane	5000U
92P	4,4'-DDT	500U
93P	4,4'-DDE	
94P	4,4'-DDD	
95P	alpha-endosulfan	
96P	beta-endosulfan	
97P	endosulfan sulfate	
98P	endrin	
99P	endrin aldehyde	
100P	heptachlor	
101P	heptachlor epoxide	
102P	alpha-BHC	
103P	beta-BHC	
104P	gamma-BHC	
105P	delta-BHC	
106P	PCB-1242	5000U
107P	PCB-1254	
108P	PCB-1221	
109P	PCB-1232	
110P	PCB-1248	
111P	PCB-1260	
112P	PCB-1016	
113P	toxaphene	

Dioxin

Level/Matrix: Medium 0.1
QC Report #: SAS#982C-1
Spl->Extract: 0.210G : 1ML
Lab Std ID: TCDD32
Lab ID: 28893TC4
Date Extracted: 3-10-84
Date Analyzed: 3-19-84
Circle Units: (ug/Kg) ug/L

129B	2,3,7,8-tetrachloro-dibenzo-p-dioxin	40U

U - Analyzed for but not detected (Reported Value is Detection Limit-DL)
A - Detected below Quantitation Limit (Quantitation Limit-QL is 10 x DL) (Reported Value is Approximate, Between DL and QL)
NA - Not Analyzed
NR - Not Reported

** - Detected below GC/MS DL
C - Confirmed by GC/MS-GC Quantitation
N - Not Confirmed by GC/MS-GC/MS DL

Surrogate Spike Recoveries

Circle Units: (ug/Kg) ug/L

Lab ID	Fraction	Compound	Conc. Sample	Conc. Spiked	% Recovery
317-12	Pest.	Dibutyl Chlorendate	3500U	25000	0
28893TC4	TCDD	1,2,3,4-TCDD	315	333	95

* - Asterisked Values are outside QC Limits.
\# - _____ Recoveries due to Dilution.
S - _____ Recoveries due to Matrix Effects.
NA - Not Analyzed
NR - Not Reported
NS - Not Spiked

S #: -/982C LABORATORY: IT/WCTS SAMPLE #: C4889
D: 03/06/84 CONTRACT #: SAS % MOISTURE: 4.7%
LEASE AUTHORIZED BY: Thomas A. Johnson

ORGANICS ANALYSIS DATA SHEET - PAGE 2
BASE/NEUTRAL AND ACID COMPOUNDS

LEVEL:	MEDIUM
MATRIX:	OIL
QC REPORT #:	SAS# 982C-1
SPL-->EXTRACT:	2.10G:10ML 1:20 DIL
STANDARD ID:	BNAZ445
SENSITIVITY ID:	SENS50
LABORATORY ID:	28893F6
DATE EXTRACTED:	03/10/84
DATE ANALYZED:	03/27/84
UNITS:	UG/KG

P #	CAS #		CONC
62B	86-30-6	N-NITROSODIPHENYLAMINE	100000. U
3B	621-64-7	N-NITROSODIPROPLYAMINE	100000. U
6B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	100000. U
67B	85-68-7	BUTYL BENZYL PHTHALATE	100000. U
8B	84-74-2	DI-N-BUTYL PHTHALATE	100000. U
9B	117-84-0	DI-N-OCTYL PHTHALATE	100000. U
0B	84-66-2	DIETHYL PHTHALATE	100000. U
71B	131-11-3	DIMETHYL PHTHALATE	100000. U
2B	56-55-3	BENZO(A)ANTHRACENE	100000. U
3B	50-32-8	BENZO(A)PYRENE	100000. U
74B	205-99-2	BENZO(B&K)FLUORANTHENE	100000. U
5B	207-08-9	BENZO(K)FLUORANTHENE	100000. U
6B	218-01-9	CHRYSENE	100000. U
77B	208-96-8	ACENAPHTHYLENE	100000. U
78B	120-12-7	ANTHRACENE	100000. U
9B	191-24-2	BENZO(GHI)PERYLENE	100000. U
0B	86-73-7	FLUORENE	100000. U
81B	85-01-8	PHENANTHRENE	100000. U
2B	53-70-3	DIBENZO(A,H)ANTHRACENE	100000. U
3B	193-39-5	INDENO(1,2,3-CD)PYRENE	100000. U
84B	129-00-0	PYRENE	100000. U
	62-53-3	ANILINE	100000. U
	100-51-6	BENZYL ALCOHOL	100000. U
	106-47-3	4-CHLOROANILINE	100000. U
	132-64-9	DIBENZOFURAN	100000. U
	91-57-6	2-METHYLNAPHTHALENE	100000. U
	88-74-4	2-NITROANILINE	100000. U
	99-09-2	3-NITROANILINE	100000. U
	100-01-6	4-NITROANILINE	100000. U

U - ANALYZED FOR BUT NOT DETECTED (REPORTED VALUE IS DETECTION LIMIT - DL)
A - DETECTED BELOW QUANTITATION LIMIT (QUANTITATION LIMIT IS 10 X DL)

-/982C LABORATORY: IT/WCTS SAMPLE #: C4889
03/06/84 CONTRACT #: SAS % MOISTURE: 4.76%
SE AUTHORIZED BY: Thomas G. Roberts

ORGANICS ANALYSIS DATA SHEET
BASE/NEUTRAL AND ACID COMPOUNDS

LEVEL: MEDIUM
MATRIX: OIL
QC REPORT #: SAS*982C-1
SPL-->EXTRACT: 2.10G:10ML 1:20 DIL
STANDARD ID: BNAZ445
SENSITIVITY ID: SENS50
LABORATORY ID: 28893F6
DATE EXTRACTED: 03/10/84
DATE ANALYZED: 03/27/84
UNITS: UG/KG

#	CAS #		CONC
A	88-06-2	2,4,6-TRICHLOROPHENOL	100000. U
	59-50-7	4-CHLORO-3-METHYLPHENOL	100000. U
A	95-57-8	2-CHLOROPHENOL	100000. U
A	120-33-2	2,4-DICHLOROPHENOL	100000. U
	105-67-9	2,4-DIMETHYLPHENOL	100000. U
	88-75-5	2-NITROPHENOL	100000. U
A	100-02-7	4-NITROPHENOL	100000. U
	51-28-5	2,4-DINITROPHENOL	100000. U
	534-52-1	4,6-DINITRO-2-METHYLPHENOL	100000. U
A	87-86-5	PENTACHLOROPHENOL	100000. U
A	108-95-2	PHENOL	100000. U
	65-85-0	BENZOIC ACID	100000. U
	95-48-7	2-METHYLPHENOL	100000. U
	108-39-4	4-METHYLPHENOL	100000. U
	95-95-4	2,4,5-TRICHLOROPHENOL	100000. U
	83-32-9	ACENAPHTHENE	100000. U
B	92-87-5	BENZIDINE	100000. U
	120-82-1	1,2,4-TRICHLOROBENZENE	100000. U
	118-74-1	HEXACHLOROBENZENE	100000. U
B	67-72-1	HEXACHLOROETHANE	100000. U
B	111-44-4	BIS(2-CHLOROETHYL)ETHER	100000. U
	91-58-7	2-CHLORONAPHTHALENE	100000. U
	95-50-1	1,2-DICHLOROBENZENE	100000. U
B	541-73-1	1,3-DICHLOROBENZENE	100000. U
	106-46-7	1,4-DICHLOROBENZENE	100000. U
	91-94-1	3,3'-DICHLOROBENZIDINE	100000. U
B	121-14-2	2,4-DINITROTOLUENE	100000. U
B	606-20-2	2,6-DINITROTOLUENE	100000. U
	122-66-7	1,2-DIPHENYLHYDRAZINE	100000. U
B	206-44-0	FLUORANTHENE	100000. U
E	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	100000. U
	101-55-3	4-BROMOPHENYL PHENYL ETHER	100000. U
	39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	100000. U
B	111-91-1	BIS(2-CHLOROETHOXY)METHANE	100000. U
	87-68-3	HEXACHLOROBUTADIENE	100000. U
	77-47-4	HEXACHLOROCYCLOPENTADIENE	100000. U
B	78-59-1	ISOPHORONE	100000. U
E	91-20-3	NAPHTHALENE	100000. U
	98-95-3	NITROBENZENE	100000. U
	62-75-9	N-NITROSODIMETHYLAMINE	100000. U

000276

AR000276

CASE #/SAS #: -/982C LABORATORY: IT/WCTS SAMPLE #: C4889
DATE REC'D: 03/06/84 CONTRACT #: SAS % MOISTURE: 4.76
DATA RELEASE AUTHORIZED BY: Thomas A. Adams

ORGANICS ANALYSIS DATA SHEET
VOLATILE COMPOUNDS

LEVEL: MEDIUM
MATRIX: OIL
QC REPORT #: SAS# 982C-1
SPL-->EXTRACT: 1.0G~~1ML~~: 5ML MEOH---50UL: 5ML H2O
STANDARD ID: VOA469
SENSITIVITY ID: BFD381
LABORATORY ID: 28893N16
DATE ANALYZED: 03/09/84
UNITS: UG/KG

PP #	CAS #		CONC
2V	107-02-8	ACROLEIN	5000. U
3V	107-13-1	ACRYLONITRILE	5000. U
4V	71-43-2	BENZENE	1900. A
6V	56-23-5	CARBON TETRACHLORIDE	500. U
7V	108-90-7	CHLOROBENZENE	500. U
10V	107-06-2	1,2-DICHLOROETHANE	500. U
11V	71-55-6	1,1,1-TRICHLOROETHANE	500. U
13V	75-34-3	1,1-DICHLOROETHANE	500. U
14V	79-00-5	1,1,2-TRICHLOROETHANE	500. U
15V	79-34-5	1,1,2,2-TETRACHLOROETHANE	500. U
16V	75-00-3	CHLOROETHANE	500. U
17V	542-88-1	BIS(CHLOROMETHYL)ETHER	500. U
19V	110-75-8	2-CHLOROETHYLVINYL ETHER	5000. U
23V	67-66-3	CHLOROFORM	500. U
29V	75-35-4	1,1-DICHLOROETHENE	500. U
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	500. U
32V	78-87-5	1,2-DICHLOROPROPANE	500. U
33VT	10061-02-6	TRANS-1,3-DICHLOROPROPENE	500. U
33VC	10061-01-5	CIS-1,3-DICHLOROPROPENE	500. U
38V	100-41-4	ETHYLBENZENE	500. U
44V	75-09-2	METHYLENE CHLORIDE	9400.
45V	74-87-3	CHLOROMETHANE	500. U
46V	74-83-9	BROMOMETHANE	500. U
47V	75-25-2	BROMOFORM	500. U
48V	75-27-4	BROMODICHLOROMETHANE	500. U
49V	75-69-4	TRICHLOROFLUOROMETHANE	500. U
50V	75-71-8	DICHLORODIFLUOROMETHANE	500. U
51V	124-48-1	CHLORODIBROMOMETHANE	500. U
85V	127-18-4	TETRACHLOROETHENE	48000.
86V	108-88-3	TOLUENE	500. U
87V	79-01-6	TRICHLOROETHENE	500. U
88V	75-01-4	VINYL CHLORIDE	500. U
	67-64-1	ACETONE	5000. U
	78-93-3	2-BUTANONE	15000. A
	75-15-0	CARBON DISULFIDE	500. U
	519-78-6	2-HEXANONE	500. U
	108-10-1	4-METHYL-2-PENTANONE	500. U
	100-42-5	STYRENE	500. U
	108-05-4	VINYL ACETATE	500. U
	95-47-6	TOTAL XYLENES	500 U

U - ANALYZED FOR BUT NOT DETECTED (REPORTED VALUE IS DETECTION
A - DETECTED BELOW QUANTITATION LIMIT (QUANTITATION LIMIT IS 1

000277

AR000277

SAS #: 982C
Rec'd: 3-6-94
Release Authorized by: Thomas O'Rourke

Laboratory: IT / WCTS
Contract #: SAS

Sample #: C4888L
% Moisture: 100%

Organics Analysis Data Sheet

Pesticides
Level/Matrix: LOW LIQUID
QC Report #: SAS=982C-2
Spl->Extract: 30mls→10mls
Lab Std ID: 314-2
Lab ID: 379-10
Date Extracted: 3-20-94
Date Analyzed: 3-26-94
Circle Units: ug/Kg, (ug/L)

89P	aldrin	3.3U
90P	dieldrin	↓
91P	chlordane	33U
92P	4,4'-DDT	3.3U
93P	4,4'-DDE	
94P	4,4'-DDD	
95P	alpha-endosulfan	
96P	beta-endosulfan	
97P	endosulfan sulfate	
98P	endrin	
99P	endrin aldehyde	
100P	heptachlor	
101P	heptachlor epoxide	
102P	alpha-BHC	
103P	beta-BHC	
104P	gamma-BHC	
105P	delta-BHC	↓
106P	PCB-1242	33U
107P	PCB-1254	
108P	PCB-1221	
109P	PCB-1232	
110P	PCB-1248	
111P	PCB-1260	
112P	PCB-1016	
113P	toxaphene	↓

Dioxin
Level/Matrix:
QC Report #:
Spl->Extract:
Lab Std ID:
Lab ID: NO SAMPLE
Date Extracted:
Date Analyzed:
Circle Units: ug/Kg, ug/L

129B	2,3,7,8-tetrachloro-dibenzo-p-dioxin	NA

U - Analyzed for but not detected (Reported Value is Detection Limit-DL)
A - Detected below Quantitation Limit (Quantitation Limit-QL is 10 x DL) (Reported Value is Approximate, Between DL and QL)
NA - Not Analyzed
NR - Not Reported

** - Detected below GC/MS DL
C - Confirmed by GC/MS-GC Quantitation
N - Not Confirmed by GC/MS-GC/MS DL

Surrogate Spike Recoveries

Circle Units: ug/Kg, (ug/L)

Lab ID	Fraction	Compound	Conc. Sample	Conc. Spiked	% Recovery
379-10	Pest.	Dibutyl Chlorendate	140	170	82
NO SAMPLE	TCDD	1,2,3,4-TCDD	NA	NA	NA

* - Asteriaked Values are outside QC Limits.
\# - _____ Recoveries due to Dilution.
S - _____ Recoveries due to Matrix Effects.

NA - Not Analyzed
NR - Not Reported
NS - Not Spiked

000278

AR000278

#: -/982C LABORATORY: IT/WCTS SAMPLE #: C4888L
D: 03/06/84 CONTRACT #: SAS % MOISTURE: 100%
EASE AUTHORIZED BY: J. Thomas J. Robinson

ORGANICS ANALYSIS DATA SHEET - PAGE 2
BASE/NEUTRAL AND ACID COMPOUNDS

LEVEL:	LOW
MATRIX:	OIL AQ
QC REPORT #:	SAS-982C-2
SPL-->EXTRACT:	10ML: 1ML
STANDARD ID:	BNAZ445
SENSITIVITY ID:	SENS50
LABORATORY ID:	28893F2
DATE EXTRACTED:	03/10/84
DATE ANALYZED:	03/27/84
UNITS:	UG/L

PP #	CAS #		CONC
62B	86-30-6	N-NITROSODIPHENYLAMINE	100. U
63B	621-64-7	N-NITROSODIPROPLYAMINE	100. U
66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	100. U
67B	85-68-7	BUTYL BENZYL PHTHALATE	100. U
68B	84-74-2	DI-N-BUTYL PHTHALATE	100. U
69B	117-84-0	DI-N-OCTYL PHTHALATE	100. U
70B	84-66-2	DIETHYL PHTHALATE	100. U
71B	131-11-3	DIMETHYL PHTHALATE	100. U
72B	56-55-3	BENZO(A)ANTHRACENE	100. U
73B	50-32-8	BENZO(A)PYRENE	100. U
74B	205-99-2	BENZO(B&K)FLUORANTHENE	100. U
75B	207-08-9	BENZO(K)FLUORANTHENE	100. U
76B	218-01-9	CHRYSENE	100. U
77B	208-96-8	ACENAPHTHYLENE	100. U
78B	120-12-7	ANTHRACENE	100. U
79B	191-24-2	BENZO(GHI)PERYLENE	100. U
80B	86-73-7	FLUORENE	100. U
81B	85-01-8	PHENANTHRENE	100. U
82B	53-70-3	DIBENZO(A,H)ANTHRACENE	100. U
83B	193-39-5	INDENO(1,2,3-CD)PYRENE	100. U
84B	129-00-0	PYRENE	100. U
	62-53-3	ANILINE	100. U
	100-51-6	BENZYL ALCOHOL	100. U
	106-47-8	4-CHLOROANILINE	100. U
	132-64-9	DIBENZOFURAN	100. U
	91-57-6	2-METHYLNAPHTHALENE	100. U
	88-74-4	2-NITROANILINE	100. U
	99-09-2	3-NITROANILINE	100. U
	100-01-6	4-NITROANILINE	100. U

U - ANALYZED FOR BUT NOT DETECTED (REPORTED VALUE IS DETECTION LIMIT - DL)
A - DETECTED BELOW QUANTITATION LIMIT (QUANTITATION LIMIT IS 10 X DL)

-/982C LABORATORY: IT/WCTS SAMPLE #: C4888L
03/06/84 CONTRACT #: SAS % MOISTURE: 100%
SE AUTHORIZED BY: Thomas A. Robinson

ORGANICS ANALYSIS DATA SHEET
BASE/NEUTRAL AND ACID COMPOUNDS

LEVEL:	LOW
MATRIX:	OIL AQ
QC REPORT #:	SAS#982C-2
SPL-->EXTRACT:	10ML: 1ML
STANDARD ID:	BNAZ445
SENSITIVITY ID:	SENS50
LABORATORY ID:	28893F2
DATE EXTRACTED:	03/10/84
DATE ANALYZED:	03/27/84
UNITS:	UG/L

PP #	CAS #		CONC
21A	88-06-2	2,4,6-TRICHLOROPHENOL	100. U
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	100. U
24A	95-57-8	2-CHLOROPHENOL	100. U
31A	120-33-2	2,4-DICHLOROPHENOL	100. U
34A	105-67-9	2,4-DIMETHYLPHENOL	100. U
57A	88-75-5	2-NITROPHENOL	100. U
58A	100-02-7	4-NITROPHENOL	100. U
59A	51-28-5	2,4-DINITROPHENOL	100. U
60A	534-52-1	4,6-DINITRO-2-METHYLPHENOL	100. U
64A	87-86-5	PENTACHLOROPHENOL	100. U
65A	108-95-2	PHENOL	100. U
	65-85-0	BENZOIC ACID	100. U
	95-48-7	2-METHYLPHENOL	100. U
	108-39-4	4-METHYLPHENOL	100. U
	95-95-4	2,4,5-TRICHLOROPHENOL	100. U
1B	83-32-9	ACENAPHTHENE	100. U
5B	92-87-5	BENZIDINE	100. U
8B	120-82-1	1,2,4-TRICHLOROBENZENE	100. U
9B	118-74-1	HEXACHLOROBENZENE	100. U
12B	67-72-1	HEXACHLOROETHANE	100. U
18B	111-44-4	BIS(2-CHLOROETHYL)ETHER	100. U
20B	91-58-7	2-CHLORONAPHTHALENE	100. U
25B	95-50-1	1,2-DICHLOROBENZENE	100. U
26B	541-73-1	1,3-DICHLOROBENZENE	100. U
27B	106-46-7	1,4-DICHLOROBENZENE	100. U
28B	91-94-1	3,3'-DICHLOROBENZIDINE	100. U
35B	121-14-2	2,4-DINITROTOLUENE	100. U
36B	606-20-2	2,6-DINITROTOLUENE	100. U
37B	122-66-7	1,2-DIPHENYLHYDRAZINE	100. U
39B	206-44-0	FLUORANTHENE	100. U
40B	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	100. U
41B	101-55-3	4-BROMOPHENYL PHENYL ETHER	100. U
42B	39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	100. U
43B	111-91-1	BIS(2-CHLOROETHOXY)METHANE	100. U
52B	87-68-3	HEXACHLOROBUTADIENE	100. U
53B	77-47-4	HEXACHLOROCYCLOPENTADIENE	100. U
54B	78-59-1	ISOPHORONE	100. U
55B	91-20-3	NAPHTHALENE	100. U
56B	98-95-3	NITROBENZENE	100. U
61B	62-75-9	N-NITROSODIMETHYLAMINE	100. U

000280

AR000280

ASE #/SAS #: -/982C LABORATORY: IT/WCTS SAMPLE #: C4888L
DATE REC'D: 03/06/84 CONTRACT #: SAS % MOISTURE: 100%
DATA RELEASE AUTHORIZED BY: Thomas A. Robinson

ORGANICS ANALYSIS DATA SHEET
VOLATILE COMPOUNDS

LEVEL: LOW
MATRIX: WATER
QC REPORT #: SAS# 982C-2
SPL-->EXTRACT: 500UL: 5ML
STANDARD ID: V0A468
SENSITIVITY ID: BFD380
LABORATORY ID: 28893N10
DATE ANALYZED: 03/09/84
UNITS: UG/L

P #	CAS #		CONC
2V	107-02-8	ACROLEIN	100. U
3V	107-13-1	ACRYLONITRILE	100. U
4V	71-43-2	BENZENE	10. U
6V	56-23-5	CARBON TETRACHLORIDE	10. U
7V	108-90-7	CHLOROBENZENE	10. U
9V	107-06-2	1,2-DICHLOROETHANE	10. U
11V	71-55-6	1,1,1-TRICHLOROETHANE	10. U
13V	75-34-3	1,1-DICHLOROETHANE	10. U
14V	79-00-5	1,1,2-TRICHLOROETHANE	710.
15V	79-34-5	1,1,2,2-TETRACHLOROETHANE	10. U
16V	75-00-3	CHLOROETHANE	10. U
17V	542-88-1	BIS(CHLOROMETHYL)ETHER	10. U
19V	110-75-8	2-CHLOROETHYLVINYL ETHER	100. U
23V	67-66-3	CHLOROFORM	10. U
29V	75-35-4	1,1-DICHLOROETHENE	10. U
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	10. U
32V	78-87-5	1,2-DICHLOROPROPANE	10. U
33VT	10061-02-6	TRANS-1,3-DICHLOROPROPENE	10. U
33VC	10061-01-5	CIS-1,3-DICHLOROPROPENE	10. U
38V	100-41-4	ETHYLBENZENE	10. U
44V	75-09-2	METHYLENE CHLORIDE	370.
45V	74-87-3	CHLOROMETHANE	10. U
46V	74-83-9	BROMOMETHANE	10. U
47V	75-25-2	BROMOFORM	10. U
48V	75-27-4	BROMODICHLOROMETHANE	10. U
49V	75-69-4	TRICHLOROFLUOROMETHANE	10. U
50V	75-71-8	DICHLORODIFLUOROMETHANE	10. U
51V	124-48-1	CHLORODIBROMOMETHANE	10. U
85V	127-18-4	TETRACHLOROETHENE	290.
86V	108-88-3	TOLUENE	10. U
87V	79-01-6	TRICHLOROETHENE	10. U
88V	75-01-4	VINYL CHLORIDE	10. U
	67-64-1	ACETONE	100. U
	78-93-3	2-BUTANONE	100. U
	75-15-0	CARBON DISULFIDE	10. U
	519-78-6	2-HEXANONE	10. U
	108-10-1	4-METHYL-2-PENTANONE	10. U
	100-42-5	STYRENE	10. U
	108-05-4	VINYL ACETATE	10. U
	95-47-6	TOTAL XYLENES	10. U

000281

U - ANALYZED FOR BUT NOT DETECTED (REPORTED VALUE IS DETECTI
A - DETECTED BELOW QUANTITATION LIMIT (QUANTITATION LIMIT IS

AR000281

Case #/SAS #: 982C Laboratory: IT / WCTS Sample #: C48885
Date Rec'd: 3-6-84 Contract #: SAS % Moisture: 10.47%
Data Release Authorized by: Thomas G Richman

Organics Analysis Data Sheet

Pesticides
Level/Matrix: MEDIUM OIL
QC Report #: SAS#982C-1
Spl->Extract: 0.204g → 10mls
Lab Std ID: 314-1
Lab ID: 317-11
Date Extracted: 3-10-84
Date Analyzed: 3-18-84
Circle Units: (ug/Kg), ug/L

89P	aldrin	500U
90P	dieldrin	500U
91P	chlordane	5000U
92P	4,4'-DDT	500U
93P	4,4'-DDE	
94P	4,4'-DDD	
95P	alpha-endosulfan	
96P	beta-endosulfan	
97P	endosulfan sulfate	
98P	endrin	
99P	endrin aldehyde	
100P	heptachlor	
101P	heptachlor epoxide	
102P	alpha-BHC	
103P	beta-BHC	
104P	gamma-BHC	
105P	delta-BHC	
106P	PCB-1242	5000U
107P	PCB-1254	
108P	PCB-1221	
109P	PCB-1232	
110P	PCB-1248	
111P	PCB-1260	
112P	PCB-1016	
113P	toxaphene	

Dioxin
Level/Matrix: Medium Oil
QC Report #: SAS#982C-1
Spl->Extract: 0.204G:1ML
Lab Std ID: TCDD32
Lab ID: 28893TC3
Date Extracted: 3-10-84
Date Analyzed: 3-19-84
Circle Units: (ug/Kg), ug/L

129B	2,3,7,8-tetrachloro-dibenzo-p-dioxin	40U

U - Analyzed for but not detected (Reported Value is Detection Limit-DL)
A - Detected below Quantitation Limit (Quantitation Limit-QL is 10 x DL) (Reported Value is Approximate, Between DL and QL)
NA - Not Analyzed
NR - Not Reported

** - Detected below GC/MS DL
C - Confirmed by GC/MS-GC Quantitation
N - Not Confirmed by GC/MS-GC/MS DL

Surrogate Spike Recoveries

Circle Units: (ug/Kg), ug/L

Lab ID	Fraction	Compound	Conc. Sample	Conc. Spiked	% Recovery
317-11	Pest.	Dibutyl Chlorendate	2500U	2500	0
28893TC3	TCDD	1,2,3,4-TCDD	315	343	92

* - Asterisked Values are outside QC Limits.
\# - _____ Recoveries due to Dilution.
$ - _____ Recoveries due to Matrix Effects.
NA - Not Analyzed
NR - Not Reported
NS - Not Spiked

S #: -/982C LABORATORY: IT/WCTS SAMPLE #: C4888S
D: 03/06/84 CONTRACT #: SAS % MOISTURE: 60.47%
LEASE AUTHORIZED BY: Thomas A. Robinson

ORGANICS ANALYSIS DATA SHEET - PAGE 2
BASE/NEUTRAL AND ACID COMPOUNDS

LEVEL:	MEDIUM
MATRIX:	OIL
QC REPORT #:	SAS# 982C-1
SPL-->EXTRACT:	2.04G:10ML 1:25 DIL
STANDARD ID:	BNAZ445
SENSITIVITY ID:	SENS50
LABORATORY ID:	28893F9
DATE EXTRACTED:	03/10/84
DATE ANALYZED:	03/27/84
UNITS:	UG/KG

PP #	CAS #		CONC
62B	86-30-6	N-NITROSODIPHENYLAMINE	130000. U
63B	621-64-7	N-NITROSODIPROPLYAMINE	130000. U
66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	130000. U
67B	85-68-7	BUTYL BENZYL PHTHALATE	130000. U
68B	84-74-2	DI-N-BUTYL PHTHALATE	130000. U
69B	117-84-0	DI-N-OCTYL PHTHALATE	130000. U
70B	84-66-2	DIETHYL PHTHALATE	130000. U
71B	131-11-3	DIMETHYL PHTHALATE	130000. U
72B	56-55-3	BENZO(A)ANTHRACENE	130000. U
73B	50-32-8	BENZO(A)PYRENE	130000. U
74B	205-99-2	BENZO(B&K)FLUORANTHENE	130000. U
75B	207-08-9	BENZO(K)FLUORANTHENE	130000. U
76B	218-01-9	CHRYSENE	130000. U
77B	208-96-8	ACENAPHTHYLENE	130000. U
78B	120-12-7	ANTHRACENE	130000. U
79B	191-24-2	BENZO(GHI)PERYLENE	130000. U
80B	86-73-7	FLUORENE	130000. U
81B	85-01-8	PHENANTHRENE	130000. U
82B	53-70-3	DIBENZO(A,H)ANTHRACENE	130000. U
83B	193-39-5	INDENO(1,2,3-CD)PYRENE	130000. U
84B	129-00-0	PYRENE	130000. U
	62-53-3	ANILINE	130000. U
	100-51-6	BENZYL ALCOHOL	130000. U
	106-47-8	4-CHLOROANILINE	130000. U
	132-64-9	DIBENZOFURAN	130000. U
	91-57-6	2-METHYLNAPHTHALENE	130000. U
	88-74-4	2-NITROANILINE	130000. U
	99-09-2	3-NITROANILINE	130000. U
	100-01-6	4-NITROANILINE	130000. U

U - ANALYZED FOR BUT NOT DETECTED (REPORTED VALUE IS DETECTION LIMIT - DL)
A - DETECTED BELOW QUANTITATION LIMIT (QUANTITATION LIMIT IS 10 X DL)

000283

AR000283

-/982C
03/06/84
ASE AUTHORIZED BY: Thomas A. Rodman

LABORATORY: IT/WCTS
CONTRACT #: SAS

SAMPLE #: C48885
% MOISTURE: 60.47%

ORGANICS ANALYSIS DATA SHEET
BASE/NEUTRAL AND ACID COMPOUNDS

LEVEL:	MEDIUM
MATRIX:	OIL
QC REPORT #:	SAS-982C-1
SPL-->EXTRACT:	2.04G:10ML 1:25 DIL
STANDARD ID:	BNAZ445
SENSITIVITY ID:	SENS50
LABORATORY ID:	28893F9
DATE EXTRACTED:	03/10/84
DATE ANALYZED:	03/27/84
UNITS:	UG/KG

PP #	CAS #		CONC
1A	88-06-2	2,4,6-TRICHLOROPHENOL	130000. U
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	130000. U
24A	95-57-8	2-CHLOROPHENOL	130000. U
A	120-33-2	2,4-DICHLOROPHENOL	130000. U
A	105-67-9	2,4-DIMETHYLPHENOL	130000. U
7A	88-75-5	2-NITROPHENOL	130000. U
A	100-02-7	4-NITROPHENOL	130000. U
A	51-28-5	2,4-DINITROPHENOL	130000. U
A	534-52-1	4,6-DINITRO-2-METHYLPHENOL	130000. U
64A	87-86-5	PENTACHLOROPHENOL	130000. U
A	108-95-2	PHENOL	130000. U
	65-85-0	BENZOIC ACID	130000. U
	95-48-7	2-METHYLPHENOL	130000. U
	108-39-4	4-METHYLPHENOL	130000. U
	95-95-4	2,4,5-TRICHLOROPHENOL	130000. U
B	83-32-9	ACENAPHTHENE	130000. U
B	92-87-5	BENZIDINE	130000. U
	120-82-1	1,2,4-TRICHLOROBENZENE	130000. U
B	118-74-1	HEXACHLOROBENZENE	130000. U
12B	67-72-1	HEXACHLOROETHANE	130000. U
B	111-44-4	BIS(2-CHLOROETHYL)ETHER	130000. U
	91-58-7	2-CHLORONAPHTHALENE	130000. U
2B	95-50-1	1,2-DICHLOROBENZENE	130000. U
26	541-73-1	1,3-DICHLOROBENZENE	130000. U
	106-46-7	1,4-DICHLOROBENZENE	130000. U
B	91-94-1	3,3'-DICHLOROBENZIDINE	130000. U
35B	121-14-2	2,4-DINITROTOLUENE	130000. U
	606-20-2	2,6-DINITROTOLUENE	130000. U
	122-66-7	1,2-DIPHENYLHYDRAZINE	130000. U
37B	206-44-0	FLUORANTHENE	130000. U
40	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	130000. U
	101-55-3	4-BROMOPHENYL PHENYL ETHER	130000. U
LB	39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	130000. U
43	111-91-1	BIS(2-CHLOROETHOXY)METHANE	130000. U
	87-68-3	HEXACHLOROBUTADIENE	130000. U
B	77-47-4	HEXACHLOROCYCLOPENTADIENE	130000. U
54B	78-59-1	ISOPHORONE	130000. U
	91-20-3	NAPHTHALENE	130000. U
	98-95-3	NITROBENZENE	130000. U
1B	62-75-9	N-NITROSODIMETHYLAMINE	130000. U

000284

AR000284

CASE #/SAS #: -/982C LABORATORY: IT/WCTS SAMPLE #: C4888S
DATE REC'D: 03/06/84 CONTRACT #: SAS % MOISTURE: 60.47%
DATA RELEASE AUTHORIZED BY: Thomas A. Robinson

ORGANICS ANALYSIS DATA SHEET
VOLATILE COMPOUNDS

LEVEL: MEDIUM
MATRIX: OIL
QC REPORT #: SAS-982C-1
SPL-->EXTRACT: 1.000G+5ML MEOH---2UL: 5ML H2O
STANDARD ID: VOA467
SENSITIVITY ID: BFD379
LABORATORY ID: 28893N4
DATE ANALYZED: 03/08/84
UNITS: UG/KG

PP #	CAS #		CONC
2V	107-02-8	ACROLEIN	130000. U
3V	107-13-1	ACRYLONITRILE	130000. U
4V	71-43-2	BENZENE	13000. U
6V	56-23-5	CARBON TETRACHLORIDE	13000. U
7V	108-90-7	CHLOROBENZENE	13000. U
10V	107-06-2	1,2-DICHLOROETHANE	13000. U
11V	71-55-6	1,1,1-TRICHLOROETHANE	13000. U
13V	75-34-3	1,1-DICHLOROETHANE	13000. U
14V	79-00-5	1,1,2-TRICHLOROETHANE	13000. U
15V	79-34-5	1,1,2,2-TETRACHLOROETHANE	13000. U
16V	75-00-3	CHLOROETHANE	13000. U
17V	542-88-1	BIS(CHLOROMETHYL)ETHER	13000. U
19V	110-75-8	2-CHLOROETHYLVINYL ETHER	130000. U
23V	67-66-3	CHLOROFORM	13000. U
29V	75-35-4	1,1-DICHLOROETHENE	13000. U
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	13000. U
32V	78-87-5	1,2-DICHLOROPROPANE	13000. U
33VT	10061-02-6	TRANS-1,3-DICHLOROPROPENE	13000. U
33VC	10061-01-5	CIS-1,3-DICHLOROPROPENE	13000. U
38V	100-41-4	ETHYLBENZENE	13000. U
44V	75-09-2	METHYLENE CHLORIDE	19000. A
45V	74-87-3	CHLOROMETHANE	13000. U
46V	74-83-9	BROMOMETHANE	13000. U
47V	75-25-2	BROMOFORM	13000. U
48V	75-27-4	BROMODICHLOROMETHANE	13000. U
49V	75-69-4	TRICHLOROFLUOROMETHANE	13000. U
50V	75-71-8	DICHLORODIFLUOROMETHANE	13000. U
51V	124-48-1	CHLORODIBROMOMETHANE	13000. U
85V	127-18-4	TETRACHLOROETHENE	4900000.
86V	108-88-3	TOLUENE	13000. U
87V	79-01-6	TRICHLOROETHENE	20000. A
88V	75-01-4	VINYL CHLORIDE	13000. U
	67-64-1	ACETONE	130000. U
	78-93-3	2-BUTANONE	130000. U
	75-15-0	CARBON DISULFIDE	13000. U
	519-78-6	2-HEXANONE	13000. U
	108-10-1	4-METHYL-2-PENTANONE	13000. U
	100-42-5	STYRENE	13000. U
	108-05-4	VINYL ACETATE	13000. U
	95-47-6	TOTAL XYLENES	13000. U

U - ANALYZED FOR BUT NOT DETECTED (REPORTED VALUE IS DE
A - DETECTED BELOW QUANTITATION LIMIT (QUANTITATION LIMI

	r(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
	6:51		1.398			50.00		2.694	
	7:42		1.571			50.00		2.000	
	8:00		1.633			50.00		2.156	
19	8:21		1.704			50.00		1.460	
20	8:18		1.694			50.00		2.117	
21	6:45	1.00	1.378	1.01	53.51	50.00	2.276	2.127	1.07
22	14:51	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
23	9:30		0.640			50.00		0.718	
24	9:42		0.653			50.00		0.581	
25	10:06	1.00	0.680	1.01	0.13	50.00	0.003	0.974	0.00
26	10:42	1.00	0.721	1.00	3.74	50.00	0.142	1.897	0.07
27	10:42		0.721			50.00		0.535	
28	10:36		0.714			50.00		0.747	
29	10:24		0.700			50.00		0.601	
30	11:39		0.785			100.00		0.206	
31	12:33		0.845			50.00		0.564	
32	13:42	0.99	0.923	0.99	0.39	50.00	0.006	0.737	0.01
33	15:00	1.01	1.010	1.01	5.24	50.00	0.062	0.596	0.10
34	14:39	1.00	0.987	1.00	95.55	50.00	2.139	1.120	1.91
35	14:27		0.973			50.00		0.659	
36	15:57	1.00	1.074	1.00	2.96	50.00	0.144	2.436	0.06
37	16:54	0.99	1.138	1.00	0.24	50.00	0.009	1.878	0.00
38	18:57	1.00	1.276	1.00	0.76	50.00	0.015	0.999	0.02
39	23:39		1.593			50.00		1.793	
40	25:09	0.95	1.694	0.95	12.72	150.00	0.203	2.392	0.08
41	15:48	1.00	1.064	1.00	47.40	50.00	1.728	1.823	0.95
42	21:33	1.00	1.451	1.00	43.60	50.00	1.526	1.750	0.87

	SCAN	TIME	REF	RRT	METH	AREA	AMOUNT	%TOT
	NOT FOUND							
	NOT FOUND							
	84 64	3:12	1	0.660	A BB	8409.	18.773 UG/L	4.5 MCL 9,400
	NOT FOUND							
	NOT FOUND							
9	NOT FOUND							
10	NOT FOUND							
	NOT FOUND							
	NOT FOUND							
13	NOT FOUND							
	NOT FOUND							
	43 141	7:03	1	1.454	A BB	8628.	30.473 UG/L	7.3 MCL 15,000A
16	NOT FOUND							
17	NOT FOUND							
	NOT FOUND							
	NOT FOUND							
20	NOT FOUND							
	65 135	6:45	1	1.392	A BB	41307.	53.510 UG/L	12.8 26,800
	55 296	14:48	22	1.000	A BB	43684.	50.000 UG/L	12.0
23	NOT FOUND							
	NOT FOUND							
	130 203	10:09	22	0.686	A BB	110.	~~0.129 UG/L~~	0.0
26	78 214	10:42	22	0.723	A BB	6194.	3.737 UG/L	0.9 MCL 1,900A
27	NOT FOUND							
	NOT FOUND							
	NOT FOUND							
30	NOT FOUND							
	NOT FOUND							
	43 271	13:33	22	0.916	A BB	253.	~~0.393 UG/L~~	0.0
33	43 303	15:09	22	1.024	A?BV	2729.	~~5.243 UG/L~~	1.2
34	164 292	14:36	22	0.986	A BB	93457.	95.547 UG/L	23.0 RCS 48,000
	NOT FOUND							
36	91 318	15:54	22	1.074	A BB	6294.	~~2.957 UG/L~~	0.7
37	112 336	16:48	22	1.135	A?VB	401.	~~0.244 UG/L~~	0.0
	106 378	18:54	22	1.277	A BB	660.	~~0.757 UG/L~~	0.1
	NOT FOUND							one
40	91 477	23:51	22	1.611	A*BB	26578.	~~12.718 UG/L~~	3.0 ~~Xylenes 6,40~~
41	98 315	15:45	22	1.064	A BB	75507.	47.404 UG/L	11.4 23,700
	95 429	21:27	22	1.449	A BB	66678.	43.602 UG/L	10.4 21,800

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
	4:54	0.99	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	1:12		0.245			50.00		0.509	
3	1:39		0.337			50.00		0.791	
	2:00		0.408			50.00		0.740	
	2:21		0.480			50.00		0.572	
6	3:12	1.00	0.653	1.01	18.77	50.00	0.463	1.234	0.38
7	3:48		0.776			400.00		0.106	
	3:45		0.765			100.00		0.089	
9	4:03		0.827			400.00		0.269	
10	4:15		0.867			50.00		1.960	
	4:51		0.990			50.00		1.069	
	5:33		1.133			50.00		2.182	
	6:03		1.235			50.00		2.084	
	6:12		1.265			50.00		2.763	
	7:06	0.99	1.449	1.00	30.47	100.00	0.238	0.780	0.30

000287

I.T. ANALYTICAL SERVICES QUANTITATION REPORT
FILE: 28893N16

DATA: 28893N16.TI
03/09/84 15:33:00
SAMPLE: C4889
CONDS. 10GML: 5ML MEOH---50UL: 5ML H2O
FORMULA: BFD381 INSTRUMENT: 1020 WEIGHT: 0.000
SUBMITTED BY: VOA469 ANALYST: MH #032 ACCT. NO.: FF030584

AMOUNT=AREA * REF. AMNT/(REF. AREA* RESP. FACT) x500

NO	NAME	
1	*****	BROMOCHLOROMETHANE (INTERNAL STANDARD)
2	45V	CHLOROMETHANE
3	46V	BROMOMETHANE
4	88V	VINYL CHLORIDE
5	16V	CHLOROETHANE
6	44V	METHYLENE CHLORIDE
7	2V	ACROLEIN
8	13H	ACETONE
9	3V	ACRYLONITRILE
10	15H	CARBON DISULFIDE
11	29V	1,1-DICHLOROETHYLENE
12	13V	1,1-DICHLOROETHANE
13	30V	TRANS-1,2-DICHLOROETHYLENE
14	23V	CHLOROFORM
15	14H	2-BUTANONE
16	10V	1,2-DICHLOROETHANE
17	11V	1,1,1-TRICHLOROETHANE
18	6V	CARBON TETRACHLORIDE
19	19H	VINYL ACETATE
20	48V	BROMODICHLOROMETHANE
21		1,2-DICHLOROETHANE-D4 (SURROGATE)
22	*****	1,4-DICHLOROBUTANE (INTERNAL STANDARD)
23	32V	1,2-DICHLOROPROPANE
24	33VT	TRANS-1,3-DICHLOROPROPENE
25	87V	TRICHLOROETHYLENE
26	4V	BENZENE
27	33VC	CIS-1,3-DICHLOROPROPENE
28	14V	1,1,2-TRICHLOROETHANE
29	51V	DIBROMOCHLOROMETHANE
30	19V	2-CHLOROETHYL VINYL ETHER
31	47V	BROMOFORM
32	17H	4-METHYL-2-PENTANONE
33	16H	2-HEXANONE
34	85V	TETRACHLOROETHYLENE
35	15V	1,1,2,2-TETRACHLOROETHANE
36	86V	TOLUENE
37	7V	CHLOROBENZENE
38	38V	ETHYLBENZENE
39	18H	STYRENE
40	20H	TOTAL XYLENES
41		TOLUENE-D8 (SURROGATE)
42		BROMOFLUOROBENZENE (SURROGATE)

D.L = 500 ug/kg

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA	AMOUNT	%TOT
1	128	97	4:51	1	1.000	A BB	18146.	50.000 UG/L	12.0
2	NOT FOUND								
3	NOT FOUND								

000288

AR000288

		RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
			1.402			50.00		2.679	
	.9		1.577			50.00		1.916	
	.57		1.639			50.00		1.810	
	4:15		1.701			50.00		1.702	
	8:12		1.691			50.00		1.892	
	6:42	1.00	1.381	1.01	49.48	50.00	2.142	2.165	0.99
2	14:45	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
23	9:24		0.637			50.00		0.660	
24	9:36		0.651			50.00		0.554	
25	10:03	1.00	0.681	1.00	1.60	50.00	0.027	0.853	0.03
26	10:36		0.719			50.00		1.702	
27	10:36		0.719			50.00		0.515	
28	10:30	0.96	0.712	0.96	0.36	50.00	0.005	0.646	0.01
29	10:18		0.698			50.00		0.454	
30	11:33		0.783			100.00		0.260	
31	12:27		0.844			50.00		0.383	
32	13:36		0.922			50.00		0.661	
33	14:54	1.02	1.010	1.02	0.69	50.00	0.006	0.408	0.01
34	14:33	1.00	0.986	1.00	392.21	50.00	6.667	0.850	7.84
35	14:21		0.973			50.00		0.507	
36	15:51		1.075			50.00		2.197	
37	16:48		1.139			50.00		1.633	
38	18:51		1.278			50.00		0.909	
39	23:21		1.583			50.00		1.522	
40	24:51		1.685			150.00		2.178	
41	15:42	1.00	1.064	1.00	53.74	50.00	1.784	1.660	1.07
42	21:24	1.00	1.451	1.00	46.58	50.00	1.493	1.602	0.93

		TIME	REF	RRT	METH	AREA	AMOUNT	%TOT	
		3:09	1	0.656	A BB	845.	1.517 UG/L	0.2	MeCl2 19,000 A
NOT FOUND									
NOT FOUND									
NOT FOUND									
NOT FOUND									
NOT FOUND									
.61	134	6:42	.1	1.396	A BB	133.	0.175 UG/L	0.0	
NOT FOUND									
.43	140	7:00	1	1.458	A BB	1504.	4.926 UG/L	0.7	
NOT FOUND									
NOT FOUND									
NOT FOUND									
NOT FOUND									
NOT FOUND									
35	134	6:42	1	1.396	A BB	39441.	49.479 UG/L	7.6	618,000
35	295	14:45	22	1.000	A BB	42293.	50.000 UG/L	7.6	
NOT FOUND									
NOT FOUND									
0	201	10:03	22	0.681	A BB	1152.	1.596 UG/L	0.2	TCE 20,000 A
OT FOUND									
NOT FOUND									
7	202	10:06	22	0.685	A BB	197.	0.361 UG/L	0.0	
OT FOUND									
NOT FOUND									
NOT FOUND									
FOUND									
.3	305	15:15	22	1.034	A?BB	239.	0.693 UG/L	0.1	
6	291	14:33	22	0.986	A BB	281980.	392.207 UG/L	60.2	4,900,000 PCE
FOUND									
FOUND									
OT FOUND									
FOUND									
FOUND									
OT FOUND									
9	314	15:42	22	1.064	A BB	75459.	53.744 UG/L	8.2	672,000
	427	21:21	22	1.447	A BB	63131.	46.577 UG/L	7.1	582,000

ET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
51	0.99	1.000	1.00	50.00	50.00	1.000	1.000	1.00
.09		0.237			50.00		0.570	
1:36		0.330			50.00		0.898	
1 37		0.402			50.00		0.757	
21		0.485			50.00		0.543	
:12	0.98	0.660	0.99	1.52	50.00	0.046	1.513	0.03
3 45		0.773			400.00		0.111	
42		0.763			100.00		0.078	
00		0.825			400.00		0.257	
4:12		0.866			50.00		1.592	
48		0.990			50.00		1.050	
30		1.134			50.00		2.344	
6:00	1.12	1.237	1.13	0.17	50.00	0.007	2.067	0.00
6:09		1.268			50.00		2.819	
00	1.00	1.443	1.01	4.93	100.00	0.041	0.829	0.05

000290

AR000290

ANALYTICAL SERVICES QUANTITATION REPORT
FILE: 28893N4

A: 28893N4.TI
/08/84 17:50:00
AMPLE: C4888 S
) DS.: 1.000G+5ML MEOH---2UL:5ML H20
)RMULA: BFD379 INSTRUMENT: 1020 WEIGHT: 0.000
UBMITTED BY: VOA467 ANALYST: CH #032 ACCT. NO.: FF030584

1 JNT=AREA * REF. AMNT/(REF. AREA* RESP. FACT) X 12,500

NO	NAME	
	*****	BROMOCHLOROMETHANE (INTERNAL STANDARD)
2	45V	CHLOROMETHANE
3	46V	BROMOMETHANE
	88V	VINYL CHLORIDE
5	16V	CHLOROETHANE
6	44V	METHYLENE CHLORIDE
7	2V	ACROLEIN
	13H	ACETONE
9	3V	ACRYLONITRILE
10	15H	CARBON DISULFIDE
11	29V	1,1-DICHLOROETHYLENE
12	13V	1,1-DICHLOROETHANE
13	30V	TRANS-1,2-DICHLOROETHYLENE
14	23V	CHLOROFORM
15	14H	2-BUTANONE
16	10V	1,2-DICHLOROETHANE
17	11V	1,1,1-TRICHLOROETHANE
18	6V	CARBON TETRACHLORIDE
19	19H	VINYL ACETATE
20	48V	BROMODICHLOROMETHANE
21		1,2-DICHLOROETHANE-D4 (SURROGATE)
22	*****	1,4-DICHLOROBUTANE (INTERNAL STANDARD)
23	32V	1,2-DICHLOROPROPANE
24	33VT	TRANS-1,3-DICHLOROPROPENE
25	87V	TRICHLOROETHYLENE
26	4V	BENZENE
27	33VC	CIS-1,3-DICHLOROPROPENE
28	14V	1,1,2-TRICHLOROETHANE
29	51V	DIBROMOCHLOROMETHANE
30	19V	2-CHLOROETHYL VINYL ETHER
31	47V	BROMOFORM
32	17H	4-METHYL-2-PENTANONE
33	16H	2-HEXANONE
34	85V	TETRACHLOROETHYLENE
35	15V	1,1,2,2-TETRACHLOROETHANE
36	86V	TOLUENE
37	7V	CHLOROBENZENE
38	38V	ETHYLBENZENE
39	18H	STYRENE
40	20H	TOTAL XYLENES
41		TOLUENE-D8 (SURROGATE)
42		BROMOFLUOROBENZENE (SURROGATE)

DL= ~~12500~~ 13,000 µg/kg
(me)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA	AMOUNT	%TOT
1	128	96	4:48	1	1.000	A BB	18410.	50.000 UG/L	7.6
2	NOT FOUND								
3	NOT FOUND								

AR000291 000291

	.(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
	6:45		1.392			50.00		2.520	
	7:39		1.577			50.00		1.771	
.8	7:54		1.629			50.00		1.873	
19	8:15	0.87	1.701	0.91	0.34	50.00	0.010	1.493	0.01
20	8:12		1.691			50.00		1.751	
21	6:42	0.96	1.381	1.02	50.47	50.00	2.088	2.069	1.01
22	14:45	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
23	9:24		0.637			50.00		0.561	
24	9:36		0.651			50.00		0.439	
25	10:03		0.681			50.00		0.774	
26	10:36		0.719			50.00		1.423	
27	10:36		0.719			50.00		0.409	
28	10:27	1.00	0.708	1.00	70.80	50.00	0.838	0.592	1.42
29	10:18		0.698			50.00		0.420	
30	11:33		0.783			100.00		0.237	
31	12:27		0.844			50.00		0.405	
32	13:33	0.99	0.919	0.99	1.03	50.00	0.012	0.592	0.02
33	14:51	1.00	1.007	1.00	0.36	50.00	0.003	0.458	0.01
34	14:33	1.00	0.986	1.00	29.50	50.00	0.557	0.943	0.59
35	14:21		0.973			50.00		0.474	
36	15:51		1.075			50.00		1.819	
37	16:48		1.139			50.00		1.494	
38	18:51		1.278			50.00		0.786	
39	23:21		1.583			50.00		1.414	
40	24:51		1.685			150.00		1.967	
41	15:42	1.00	1.064	1.00	53.47	50.00	1.853	1.733	1.07
42	21:21	1.00	1.447	1.00	50.87	50.00	1.610	1.583	1.02

	SCAN	TIME	REF	RRT	METH	AREA	AMOUNT	%TOT
	NOT FOUND							
	NOT FOUND							
6	84	62	3:06	1	0.674	A BB	14752.	36.823 UG/L	8.9
7	NOT FOUND							
8	NOT FOUND							
9	NOT FOUND							
10	NOT FOUND							
11	NOT FOUND							
12	NOT FOUND							
13	NOT FOUND							
14	NOT FOUND							
15	43	136	6:48	1	1.478	A?BB	3716.	~~18.924 UG/L~~	4.5
16	NOT FOUND							
17	NOT FOUND							
18	NOT FOUND							
19	43	143	7:09	1	1.554	A BB	141.	~~0.936 UG/L~~	0.0
20	NOT FOUND							
21	65	129	6:27	1	1.402	A BB	29387.	50.473 UG/L	12.2
22	55	295	14:45	22	1.000	A BB	37983.	50.000 UG/L	12.1
23	NOT FOUND							
24	NOT FOUND							
25	NOT FOUND							
26	NOT FOUND							
27	NOT FOUND							
28	97	208	10:24	22	0.705	A BB	31841.	70.802 UG/L	17.1
29	NOT FOUND							
30	NOT FOUND							
31	NOT FOUND							
32	43	267	13:21	22	0.905	A BB	465.	~~1.034 UG/L~~	0.2
33	43	297	14:51	22	1.007	A?BB	126.	~~0.362 UG/L~~	0.0
34	164	291	14:33	22	0.986	A BB	21142.	~~29.499 UG/L~~	7.1
35	NOT FOUND							
36	NOT FOUND							
37	NOT FOUND							
38	NOT FOUND							
39	NOT FOUND							
40	NOT FOUND							
41	98	314	15:42	22	1.064	A BB	70391.	53.471 UG/L	12.9
42	95	429	21:27	22	1.454	A BB	61160.	50.870 UG/L	12.3

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	4:51	0.95	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	1:09		0.237			50.00		0.504	
3	1:36		0.330			50.00		0.763	
4	1:57		0.402			50.00		0.685	
5	2:18		0.474			50.00		0.535	
6	3:09	0.98	0.649	1.04	36.82	50.00	1.048	1.423	0.74
7	3:42		0.763			400.00		0.095	
8	3:39		0.753			100.00		0.060	
9	3:57		0.814			400.00		0.244	
10	4:12		0.866			50.00		1.391	
11	4:48		0.990			50.00		0.968	
12	5:27		1.124			50.00		2.082	
13	6:00		1.237			50.00		1.846	
14	6.09		1.268			50.00		2.356	
15	7:00	0.97	1.443	1.02	18.92	100.00	0.132	0.698	0.19

I. T. ANALYTICAL SERVICES QUANTITATION REPORT
FILE: 28893N10

DATA: 28893N10.TI
03/09/84 0:38:00
SAMPLE: C4888L
CONDS.: 1:10 DILUTION
FORMULA: BFD380 INSTRUMENT: 1020 WEIGHT: 0.000
SUBMITTED BY: VOA468 ANALYST: CH #032 ACCT. NO.: FF030584

AMOUNT=AREA * REF. AMNT/(REF. AREA* RESP. FACT) x 10

NO	NAME	
1	*****	BROMOCHLOROMETHANE (INTERNAL STANDARD)
2	45V	CHLOROMETHANE
3	46V	BROMOMETHANE
4	88V	VINYL CHLORIDE
5	16V	CHLOROETHANE
6	44V	METHYLENE CHLORIDE
7	2V	ACROLEIN
8	13H	ACETONE
9	3V	ACRYLONITRILE
10	15H	CARBON DISULFIDE
11	29V	1,1-DICHLOROETHYLENE
12	13V	1,1-DICHLOROETHANE
13	30V	TRANS-1,2-DICHLOROETHYLENE
14	23V	CHLOROFORM
15	14H	2-BUTANONE
16	10V	1,2-DICHLOROETHANE
17	11V	1,1,1-TRICHLOROETHANE
18	6V	CARBON TETRACHLORIDE
19	19H	VINYL ACETATE
20	48V	BROMODICHLOROMETHANE
21		1,2-DICHLOROETHANE-D4 (SURROGATE)
22	*****	1,4-DICHLOROBUTANE (INTERNAL STANDARD)
23	32V	1,2-DICHLOROPROPANE
24	33VT	TRANS-1,3-DICHLOROPROPENE
25	87V	TRICHLOROETHYLENE
26	4V	BENZENE
27	33VC	CIS-1,3-DICHLOROPROPENE
28	14V	1,1,2-TRICHLOROETHANE
29	51V	DIBROMOCHLOROMETHANE
30	19V	2-CHLOROETHYL VINYL ETHER
31	47V	BROMOFORM
32	17H	4-METHYL-2-PENTANONE
33	16H	2-HEXANONE
34	85V	TETRACHLOROETHYLENE
35	19V	1,1,2,2-TETRACHLOROETHANE
36	86V	TOLUENE
37	7V	CHLOROBENZENE
38	38V	ETHYLBENZENE
39	18H	STYRENE
40	20H	TOTAL XYLENES
41		TOLUENE-D8 (SURROGATE)
42		BROMOFLUOROBENZENE (SURROGATE)

DL = 10 µg/L

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA	AMOUNT	%TOT
1	128	92	4:36	1	1.000	A BB	14072.	50.000 UG/L	12.1
2	NOT FOUND								
3	NOT FOUND								

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	48		1.402			50.00		2.679		
	:39		1.577			50.00		1.916		
	7:57		1.639			50.00		1.810		
	8:15	0.92	1.701	0.92	0.19	50.00	0.006	1.702	0.00	
	8:12		1.691			50.00		1.892		
1	6:42	0.99	1.381	1.00	51.40	50.00	2.226	2.165	1.03	
22	14:45	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00	
23	9:24		0.637			50.00		0.660		
24	9:36		0.651			50.00		0.554		
25	10:03		0.681			50.00		0.853		
26	10:36	1.00	0.719	1.00	7.09	50.00	0.241	1.702	0.14	
27	10:36		0.719			50.00		0.515		
28	10:30		0.712			50.00		0.646		
29	10:18		0.698			50.00		0.454		
30	11:33		0.783			100.00		0.260		
31	12:27		0.844			50.00		0.383		
32	13:36	0.99	0.922	0.99	0.35	50.00	0.005	0.661	0.01	
33	14:54	1.02	1.010	1.02	29.28	50.00	0.239	0.408	0.59	
34	14:33	1.00	0.986	1.00	84.01	50.00	1.428	0.850	1.68	
35	14:21		0.973			50.00		0.507		
36	15:51	1.00	1.075	1.00	1.54	50.00	0.068	2.197	0.03	
37	16:48	0.99	1.139	1.00	0.54	50.00	0.017	1.633	0.01	
38	18:51		1.278			50.00		0.909		
39	23:21		1.583			50.00		1.522		
40	24:51	0.99	1.685	1.00	0.71	150.00	0.010	2.178	0.00	
41	15:42	1.00	1.064	1.00	51.83	50.00	1.721	1.660	1.04	
42	21:24	1.00	1.451	1.00	47.82	50.00	1.533	1.602	0.96	

	SCAN	TIME	REF	RRT	METH	AREA	AMOUNT	%TOT
	NOT FOUND							
	NOT FOUND							
	84 (62)	3:06	1	0.646	A BB	25982.	49.137 UG/L	10.8 MeCl 25,000
7	NOT FOUND							
	NOT FOUND							
	NOT FOUND							
10	NOT FOUND							
11	NOT FOUND							
	NOT FOUND							
	NOT FOUND							
14	NOT FOUND							
	43 (139)	6:57	1	1.448	A BB	8980.	30.985 UG/L	6.8 MeCl 15,000 A
	NOT FOUND							
17	NOT FOUND							
19	NOT FOUND							
	43 151	7:33	1	1.573	A?BB	111.	~~0.187 UG/L~~	0.0
20	NOT FOUND					38895.	51.405 UG/L	11.3 25,700
21	65 133	6:39	1	1.385	A?BB	41218.	50.000 UG/L	10.9
2	55 294	14:42	22	1.000	A BB			
3	NOT FOUND							
24	NOT FOUND							
25	NOT FOUND							
26	78 (212)	10:36	22	0.721	A BB	9952.	7.092 UG/L	1.5 Alk 3500 A
27	NOT FOUND							
28	NOT FOUND							
29	NOT FOUND							
30	NOT FOUND							
31	NOT FOUND							
						192.	~~0.353 UG/L~~	0.0
32	43 269	13:27	22	0.915	A?BB	9849.	~~29.279 UG/L~~	6.4
33	43 (303)	15:09	22	1.031	A?BB	58865.	84.011 UG/L	18.4 PCE 42,000
34	164 (290)	14:30	22	0.986	A BB			
35	NOT FOUND					2794.	1.543 UG/L	0.3 CHCl3 770
36	91 (316)	15:48	22	1.075	A BB	721.	~~0.536 UG/L~~	0.1
37	112 334	16:42	22	1.136	A?BB			
38	NOT FOUND							
39	NOT FOUND					1278.	~~0.712 UG/L~~	0.1
40	91 493	24:39	22	1.677	A?BV	70918.	51.827 UG/L	11.3 25,900
41	98 313	15:39	22	1.449	A BB	63174.	47.824 UG/L	10.5 23,900
42	95 426	21:18	22	1.065	A BB			

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	4:51	0.99	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	1:09		0.237			50.00		0.570	
3	1:36		0.330			50.00		0.898	
4	1:57		0.402			50.00		0.757	
5	2:21		0.485			50.00		0.543	
6	3:12	0.97	0.660	0.98	49.14	50.00	1.487	1.513	0.98
7	3:45		0.773			400.00		0.111	
8	3:42		0.763			100.00		0.078	
9	4:00		0.825			400.00		0.257	
10	4:12		0.866			50.00		1.592	
11	4:48		0.990			50.00		1.050	
12	5:30		1.134			50.00		2.344	
13	6:00		1.237			50.00		2.067	
14	6:09		1.268			50.00		2.819	
15	7:00	0.99	1.443	1.00	30.99	100.00	0.257	0.829	0.31

I. T. ANALYTICAL SERVICES QUANTITATION REPORT
FILE: 28893N6

DATA: 28893N6.TI
03/08/84 19:52:00
SAMPLE: C4887
CONDS.: 1.000G+5ML MEOH---50UL:5ML H2O
FORMULA: BFD379 INSTRUMENT: 1020 WEIGHT: 0.000
SUBMITTED BY: VOA467 ANALYST: CH #032 ACCT. NO.: FF030584

AMOUNT=AREA * REF. AMNT/(REF. AREA* RESP. FACT)x500

NO	NAME	
1	*****	BROMOCHLOROMETHANE (INTERNAL STANDARD)
2	45V	CHLOROMETHANE
3	46V	BROMOMETHANE
4	88V	VINYL CHLORIDE
5	16V	CHLOROETHANE
6	44V	METHYLENE CHLORIDE
7	2V	ACROLEIN
8	13H	ACETONE
9	3V	ACRYLONITRILE
10	15H	CARBON DISULFIDE
11	29V	1,1-DICHLOROETHYLENE
12	13V	1,1-DICHLOROETHANE
13	30V	TRANS-1,2-DICHLOROETHYLENE
14	23V	CHLOROFORM
15	14H	2-BUTANONE
16	10V	1,2-DICHLOROETHANE
17	11V	1,1,1-TRICHLOROETHANE
18	6V	CARBON TETRACHLORIDE
19	19H	VINYL ACETATE
20	48V	BROMODICHLOROMETHANE
21		1,2-DICHLOROETHANE-D4 (SURROGATE)
22	*****	1,4-DICHLOROBUTANE (INTERNAL STANDARD)
23	32V	1,2-DICHLOROPROPANE
24	33VT	TRANS-1,3-DICHLOROPROPENE
25	87V	TRICHLOROETHYLENE
26	4V	BENZENE
27	33VC	CIS-1,3-DICHLOROPROPENE
28	14V	1,1,2-TRICHLOROETHANE
29	51V	DIBROMOCHLOROMETHANE
30	19V	2-CHLOROETHYL VINYL ETHER
31	47V	BROMOFORM
32	17H	4-METHYL-2-PENTANONE
33	16H	2-HEXANONE
34	85V	TETRACHLOROETHYLENE
35	15V	1,1,2,2-TETRACHLOROETHANE
36	86V	TOLUENE
37	7V	CHLOROBENZENE
38	38V	ETHYLBENZENE
39	18H	STYRENE
40	20H	TOTAL XYLENES
41		TOLUENE-D8 (SURROGATE)
42		BROMOFLUOROBENZENE (SURROGATE)

DL = 500 µg/kg

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA	AMOUNT	%TOT
1	128	96	4:48	1	1.000	A BB	17475.	50.000 UG/L	10.9
2	NOT FOUND								
3	NOT FOUND								

000297

AR000297

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number: C4894

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Case No: 2420
Lab Sample ID No: 2920-1-16
QC Report No:
Sample Matrix: WATER
Contract No.: 68-01-6854
Data Release Authorized By: BJT
Date Sample Received: 2-17-84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

PP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	5U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U
(16V)	75-00-3	chloroethane	5U
(19V)	110-75-8	2-chloroethylvinyl ether	5U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	5U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	10U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	5U
(45V)	74-87-3	chloromethane	5U
(46V)	74-83-9	bromomethane	5U
(47V)	75-25-2	bromoform	5U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	5U
(50V)	75-71-8	dichlorodifluoromethane	5U
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene	5U
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	5U
	67-64-1	acetone	5U
	78-93-3	2-butanone	5U
	75-15-0	carbondisulfide	5U
	519-78-6	2-hexanone	5U
	108-10-1	4-methyl-2-pentanone	5U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-21-84
DATE ANALYZED: 3-10-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

PP #	CAS #		ug/l or ug/kg (circle one)	
(89P)	309-00-2	aldrin		0.1U
(90P)	60-57-1	dieldrin	0.7	~~0.1U~~ d
(91P)	57-74-9	chlordane	0.2U	~~0.1U~~ f
(92P)	50-29-3	4,4'-DDT		0.1U
(93P)	72-55-9	4,4'-DDE	0.7	~~0.1U~~ c
(94P)	72-54-8	4,4'-DDD		0.1U
(95P)	115-29-7	α-endosulfan	0.5	~~0.1U~~ d
(96P)	115-29-7	β-endosulfan		0.1U
(97P)	1031-07-8	endosulfan sulfate	0.1	~~0.1U~~ f
(98P)	72-20-8	endrin	0.1	~~0.1U~~ d
(99P)	7421-93-4	endrin aldehyde		0.1U
(100P)	76-44-8	heptachlor		0.1U
(101P)	1024-57-3	heptachlor epoxide		0.1U
(102P)	319-84-6	α-BHC		0.1U
(103P)	319-85-7	β-BHC	0.1	~~0.1U~~ d
(104P)	319-86-8	δ-BHC		0.1U
(105P)	58-89-9	γ-BHC (lindane)		0.1U
(106P)	53469-21-9	PCB-1242	0.3U	~~0.1U~~ g
(107P)	11097-69-1	PCB-1254	0.8U	~~0.1U~~ g
(108P)	11104-28-2	PCB-1221	0.5U	~~0.1U~~ g
(109P)	11141-16-5	PCB-1232	0.6U	~~0.1U~~ g
(110P)	12672-29-6	PCB-1248	0.5U	~~0.1U~~ g
(111P)	11096-82-5	PCB-1260	1.0U	~~0.1U~~ g
(112P)	12674-11-2	PCB-1016	0.3U	~~0.1U~~ g
(113P)	8001-35-2	toxaphene	5.0U	~~0.1U~~ h

DIOXINS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-21-84
DATE ANALYZED: 3-10-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

PP #	CAS #		ug/l or ug/kg (circle one)
(129B)	1746-01-6	dioxin	0.1U

000298

AR000298

December 1987

P.O. Box 818, Alexandria, Virginia 22313 - (703) 557-2490

Sample Number C-4894

LOW WATER

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Case No: 2420
Lab Sample ID No: 2920-1-16
QC Report No:
Sample Matrix:
Contract No.: 68-01-6854
Data Release Authorized By: BJT
Date Sample Received: 2/17/84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED: 2/23/84
PERCENT MOISTURE:

PP #	CAS #		(ug/l or ug/kg) (circle one)	
(2V)	107-02-8	acrolein	100U	
(3V)	107-13-1	acrylonitrile	100U	
(5V)	71-43-2	benzene	5U	
(6V)	56-23-5	carbon tetrachloride	5U	
(7V)	108-90-7	chlorobenzene	5U	
(10V)	107-06-2	1,2-dichloroethane	5U	
(11V)	71-55-6	1,1,1-trichloroethane	5U	
(13V)	75-34-3	1,1-dichloroethane	5U	
(14V)	79-00-5	1,1,2-trichloroethane	34	5U BJT
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U	
(16V)	75-00-3	chloroethane	5U	
(19V)	110-75-8	2-chloroethylvinyl ether	5U	
(23V)	67-66-3	chloroform	5U	
(29V)	75-35-4	1,1-dichloroethene	5U	
(30V)	156-60-5	trans-1,2-dichloroethene	7	5U BJT
(32V)	78-87-5	1,2-dichloropropane	5U	
(33V)	10061-02-6	trans-1,3-dichloropropene	5U	
	10061-01-05	cis-1,3-dichloropropene	10U	
(38V)	100-41-4	ethylbenzene	5U	
(44V)	75-09-2	methylene chloride	5U	
(45V)	74-87-3	chloromethane	5U	
(46V)	74-83-9	bromomethane	5U	
(47V)	75-25-2	bromoform	5U	
(48V)	75-27-4	bromodichloromethane	5U	
(49V)	75-69-4	fluorotrichloromethane	5U	
(50V)	75-71-8	dichlorodifluoromethane	5U	
(51V)	124-48-1	chlorodibromomethane	5U	
(85V)	127-18-4	tetrachloroethene	30	5U BJT
(86V)	108-88-3	toluene	5U	
(87V)	79-01-6	trichloroethene	4LT	5U BJT
(88V)	75-01-4	vinyl chloride	5U	
	67-64-1	acetone	100U	
	78-93-3	2-butanone	200U	
	75-15-0	carbondisulfide	10U	
	519-78-6	2-hexanone	100U	
	108-10-1	4-methyl-2-pentanone	100U	
	100-42-5	styrene	5U	
	108-05-4	vinyl acetate	10U	
	1330-20-7	total xylenes	5U	

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:

PP #	CAS #		(ug/l or ug/kg) (circle
(89P)	309-00-2	aldrin	0.1U
(90P)	60-57-1	dieldrin	0.1U
(91P)	57-74-9	chlordane	0.1U
(92P)	50-29-3	4,4'-DDT	0.1U
(93P)	72-55-9	4,4'-DDE	0.1U
(94P)	72-54-8	4,4'-DDD	0.1U
(95P)	115-29-7	α-endosulfan	0.1U
(96P)	115-29-7	β-endosulfan	0.1U
(97P)	1031-07-8	endosulfan sulfate	0.1U
(98P)	72-20-8	endrin	0.1U
(99P)	7421-93-4	endrin aldehyde	0.1U
(100P)	76-44-8	heptachlor	0.1U
(101P)	1024-57-3	heptachlor epoxide	0.1U
(102P)	319-84-6	α-BHC	0.1U
(103P)	319-85-7	β-BHC	0.1U
(104P)	319-86-8	δ-BHC	0.1U
(105P)	58-89-9	γ-BHC (lindane)	0.1U
(106P)	53469-21-9	PCB-1242	0.1U
(107P)	11097-69-1	PCB-1254	0.1U
(108P)	11104-28-2	PCB-1221	0.1U
(109P)	11141-16-5	PCB-1232	0.1U
(110P)	12672-29-6	PCB-1248	0.1U
(111P)	11096-82-5	PCB-1260	0.1U
(112P)	12674-11-2	PCB-1016	0.1U
(113P)	8001-35-2	toxaphene	0.1U

DIOXINS

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:

PP #	CAS #		(ng/l or ng/k (circle o
(129D)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.1U

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C-4894

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Case No: 2420
Lab Sample ID No: 2920- 1-16
QC Report No:
Sample Matrix: WATER
Contract No.: 68-01-6854
Data Release Authorized By: BJT
Date Sample Received: 2-17-84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-22-84
DATE ANALYZED: 3-10-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR: 1

PP #	CAS #		ug/l or ug/kg (circle one)
(21A)	88-06-2	2,4,6- trichlorophenol	20U
(22A)	59-50-7	p-chloro-m-cresol	40U
(24A)	95-57-8	2- chlorophenol	20U
(31A)	120-83-2	2,4-dichlorophenol	20U
(34A)	105-67-9	2,4-dimethylphenol	20U
(57A)	88-75-5	2- nitrophenol	40U
(58A)	100-02-7	4-nitrophenol	100U
(59A)	51-28-5	2,4-dinitrophenol	100U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	40U
(64A)	87-86-5	pentachlorophenol	40U
(65A)	108-95-2	phenol	20U
	65-85-0	benzoic acid	200U
	95-48-7	2-methylphenol	20U
	108-39-4	4-methylphenol	20U
	95-95-4	2,4,5-trichlorophenol	200U
(1B)	83-32-9	acenaphthene	20U
(5B)	92-87-5	benzidine	80U
(9B)	120-82-1	1,2,4-trichlorobenzene	20U
(0B)	118-74-1	hexachlorobenzene	20U
(12B)	67-72-1	hexachloroethane	20U
(8B)	111-44-4	bis(2-chloroethyl)ether	20U
(0B)	91-58-7	2-chloronaphthalene	20U
(25B)	95-50-1	1,2-dichlorobenzene	20U
(6B)	541-73-1	1,3-dichlorobenzene	20U
(7B)	106-46-7	1,4-dichlorobenzene	20U
(28B)	91-94-1	3,3'-dichlorobenzidine	40U
(5B)	121-14-2	2,4-dinitrotoluene	40U
(6B)	606-20-2	2,6-dinitrotoluene	40U
(37B)	122-66-7	1,2-diphenylhydrazine	40U
(9B)	206-44-0	fluoranthene	20U
(0B)	7005-72-3	4-chlorophenyl phenyl ether	20U
(1B)	101-55-3	4-bromophenyl phenyl ether	20U
(2B)	39638-32-9	bis (2-chloroisopropyl) ether	40U
(3B)	111-91-1	bis (2-chloroethoxy) methane	40U

PP #	CAS #		ug/l or ug/kg (circle or
(52B)	87-68-3	hexachlorobutadiene	20U
(53B)	77-47-4	hexachlorocyclopentadiene	20U
(54B)	78-59-1	isophorone	20U
(55B)	91-20-3	naphthalene	20U
(56B)	98-95-3	nitrobenzene	20U
(61B)	62-75-9	N-nitrosodimethylamine	
(62B)	86-30-6	N-nitrosodiphenylamine	20U
(63B)	621-64-7	N-nitrosodipropylamine	40U
(66B)	117-81-7	bis (2-ethylhexyl) phthalate	45 ~~20U~~
(67B)	85-68-7	benzyl butyl phthalate	20U
(68B)	84-74-2	di-n-butyl phthalate	20U
(69B)	117-84-0	di-n-octyl phthalate	20U
(70B)	84-66-2	diethyl phthalate	20U
(71B)	131-11-3	dimethyl phthalate	20U
(72B)	56-55-3	benzo(a)anthracene	20U
(73B)	50-32-8	benzo(a)pyrene	40U
(74B)	205-99-2	benzo(b)fluoranthene	40U
(75B)	207-08-9	benzo(k)fluoranthene	40U
(76B)	218-01-9	chrysene	20U
(77B)	208-96-8	acenaphthylene	20U
(78B)	120-12-7	anthracene	20U
(79B)	191-24-2	benzo(ghi)perylene	40U
(80B)	86-73-7	fluorene	20U
(81B)	85-01-8	phenanthrene	20U
(82B)	53-70-3	dibenzo(a,h)anthracene	40U
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	40U
(84B)	129-00-0	pyrene	20U
	62-53-3	aniline	40U
	100-51-6	benzyl alcohol	40U
	106-47-8	4-chloroaniline	100U
	132-64-9	dibenzofuran	20U
	91-57-6	2-methylnaphthalene	40U
	88-74-4	2-n	200U
	99-09-2	3-ni	200U

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C 7977

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Case No: 2420
Lab Sample ID No: 2920-1-17
QC Report No:
Sample Matrix: WATER
Contract No.: 68-01-6854
Data Release Authorized By: BJT
Date Sample Received: 2-17-87

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

PP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	5U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U
(16V)	75-00-3	chloroethane	5U
(19V)	110-75-8	2-chloroethylvinyl ether	5U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	5U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	10U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	5U
(45V)	74-87-3	chloromethane	5U
(46V)	74-83-9	bromomethane	5U
(47V)	75-25-2	bromoform	5U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	5U
(50V)	75-71-8	dichlorodifluoromethane	5U
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene	5U
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	5U
	67-64-1	acetone	5U
	78-93-3	2-butanone	5U
	75-15-0	carbondisulfide	5U
	519-78-6	2-hexanone	5U
	108-10-1	4-methyl-2-pentanone	5U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-21-87
DATE ANALYZED: 3-10-87
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

PP #	CAS #		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	0.1U
(90P)	60-57-1	dieldrin	0.1U
(91P)	57-74-9	chlordane	0.1U
(92P)	50-29-3	4,4'-DDT	0.1U
(93P)	72-55-9	4,4'-DDE	0.1U
(94P)	72-54-8	4,4'-DDD	0.1U
(95P)	115-29-7	α-endosulfan	0.1U
(96P)	115-29-7	β-endosulfan	0.1U
(97P)	1031-07-8	endosulfan sulfate	0.1U
(98P)	72-20-8	endrin	0.1U
(99P)	7421-93-4	endrin aldehyde	0.1U
(100P)	76-44-8	heptachlor	0.1U
(101P)	1024-57-3	heptachlor epoxide	0.1U
(102P)	319-84-6	α-BHC	0.1U
(103P)	319-85-7	β-BHC	0.1U
(104P)	319-86-8	δ-BHC	0.1U
(105P)	58-89-9	γ-BHC (lindane)	0.1U
(106P)	53469-21-9	PCB-1242	0.1U
(107P)	11097-69-1	PCB-1254	0.20 ~~0.1U~~
(108P)	11104-28-2	PCB-1221	0.1U
(109P)	11141-16-5	PCB-1232	0.1U
(110P)	12672-29-6	PCB-1248	0.1U
(111P)	11096-82-5	PCB-1260	0.3U ~~0.1U~~
(112P)	12674-11-2	PCB-1016	0.1U
(113P)	8001-35-2	toxaphene	2.0U ~~0.1U~~

DIOXINS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-21-87
DATE ANALYZED: 3-10-87
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

000301

PP #	CAS #		ug/l or ug/kg (circle one)
(129B)	1746-01-6	2	~~0.1U~~

AR000301

December 1987

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Sample Number
C-7977

LOW WATER

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Case No: 2420
Lab Sample ID No: 2920-1-17
QC Report No:
Sample Matrix:
Contract No.: 68-01-6754
Data Release Authorized By: BJS
Date Sample Received: 2/17/84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED: 2/23/84
PERCENT MOISTURE:

PP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	5U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U
(16V)	75-00-3	chloroethane	5U
(19V)	110-75-8	2-chloroethylvinyl ether	5U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	5U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	10U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	5U
(45V)	74-87-3	chloromethane	5U
(46V)	74-83-9	bromomethane	5U
(47V)	75-25-2	bromoform	5U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	5U
(50V)	75-71-8	dichlorodifluoromethane	5U
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene	22 5U BJS
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	98 5U BJS
(88V)	75-01-4	vinyl chloride	5U
	67-64-1	acetone	100U
	78-93-3	2-butanone	200U
	75-15-0	carbondisulfide	10U
	519-78-6	2-hexanone	100U
	108-10-1	4-methyl-2-pentanone	100U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	10U
	1330-20-7	total xylenes	5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:

PP #	CAS #		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	0.1U
(90P)	60-57-1	dieldrin	0.1U
(91P)	57-74-9	chlordane	0.1U
(92P)	50-29-3	4,4'-DDT	0.1U
(93P)	72-55-9	4,4'-DDE	0.1U
(94P)	72-54-8	4,4'-DDD	0.1U
(95P)	115-29-7	α-endosulfan	0.1U
(96P)	115-29-7	β-endosulfan	0.1U
(97P)	1031-07-8	endosulfan sulfate	0.1U
(98P)	72-20-8	endrin	0.1U
(99P)	7421-93-4	endrin aldehyde	0.1U
(100P)	76-44-8	heptachlor	0.1U
(101P)	1024-57-3	heptachlor epoxide	0.1U
(102P)	319-84-6	α-BHC	0.1U
(103P)	319-85-7	β-BHC	0.1U
(104P)	319-86-8	δ-BHC	0.1U
(105P)	58-89-9	γ-BHC (lindane)	0.1U
(106P)	53469-21-9	PCB-1242	0.1U
(107P)	11097-69-1	PCB-1254	0.1U
(108P)	11104-28-2	PCB-1221	0.1U
(109P)	11141-16-5	PCB-1232	0.1U
(110P)	12672-29-6	PCB-1248	0.1U
(111P)	11096-82-5	PCB-1260	0.1U
(112P)	12674-11-2	PCB-1016	0.1U
(113P)	8001-35-2	toxaphene	0.1U

DIOXINS

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:

000302

PP #	CAS #		ug/l or ug/kg (circle one)
(129S)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.1U

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C-7977

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Case No: 2420
Lab Sample ID No: 2920- 1-17
QC Report No:
Sample Matrix: WATER
Contract No.: 68-01-6854
Data Release Authorized By: BJT
Date Sample Received: 2-17-84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-22-84
DATE ANALYZED: 3-10-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR: 1

PP #	CAS #		ug/l or ug/kg (circle one)
21A)	88-06-2	2,4,6- trichlorophenol	20U
(22A)	59-50-7	p-chloro-m-cresol	40U
'24A)	95-57-8	2- chlorophenol	20U
31A)	120-83-2	2,4-dichlorophenol	20U
(34A)	105-67-9	2,4-dimethylphenol	20U
'57A)	88-75-5	2- nitrophenol	40U
(8A)	100-02-7	4-nitrophenol	100U
59A)	51-28-5	2,4-dinitrophenol	100U
;0A)	534-52-1	4,6-dinitro-2-methylphenol	40U
;4A)	87-86-5	pentachlorophenol	40U
65A)	108-95-2	phenol	20U
	65-85-0	benzoic acid	200U
	95-48-7	2-methylphenol	20U
	108-39-4	4-methylphenol	20U
	95-95-4	2,4,5-trichlorophenol	200U
B)	83-32-9	acenaphthene	20U
3B)	92-87-5	benzidine	80U
B)	120-82-1	1,2,4-trichlorobenzene	20U
B)	118-74-1	hexachlorobenzene	20U
.2B)	67-72-1	hexachloroethane	20U
8B)	111-44-4	bis(2-chloroethyl)ether	20U
0B)	91-58-7	2-chloronaphthalene	20U
.5B)	95-50-1	1,2-dichlorobenzene	20U
6B)	541-73-1	1,3-dichlorobenzene	20U
7B)	106-46-7	1,4-dichlorobenzene	20U
.8B)	91-94-1	3,3'-dichlorobenzidine	40U
3B)	121-14-2	2,4-dinitrotoluene	40U
5B)	606-20-2	2,6-dinitrotoluene	40U
7B)	122-66-7	1,2-diphenylhydrazine	40U
3)	206-44-0	fluoranthene	20U
B)	7005-72-3	4-chlorophenyl phenyl ether	20U
1B)	101-55-3	4-bromophenyl phenyl ether	20U
B)	39638-32-9	bis (2-chloroisopropyl) ether	40U
B)	111-91-1	bis (2-chloroethoxy) methane	40U

PP #	CAS #		ug/l or ug/kg (circle one)
(52B)	87-68-3	hexachlorobutadiene	20U
(53B)	77-47-4	hexachlorocyclopentadiene	20U
(54B)	78-59-1	isophorone	20U
(55B)	91-20-3	naphthalene	20U
(56B)	98-95-3	nitrobenzene	20U
(61B)	62-75-9	N-nitrosodimethylamine	20U
(62B)	86-30-6	N-nitrosodiphenylamine	20U
(63B)	621-64-7	N-nitrosodipropylamine	40U
(66B)	117-81-7	bis (2-ethylhexyl) phthalate	20U
(67B)	85-68-7	benzyl butyl phthalate	20U
(68B)	84-74-2	di-n-butyl phthalate	20U
(69B)	117-84-0	di-n-octyl phthalate	20U
(70B)	84-66-2	diethyl phthalate	20U
(71B)	131-11-3	dimethyl phthalate	20U
(72B)	56-55-3	benzo(a)anthracene	20U
(73B)	50-32-8	benzo(a)pyrene	40U
(74B)	205-99-2	benzo(b)fluoranthene	40U
(75B)	207-08-9	benzo(k)fluoranthene	40U
(76B)	218-01-9	chrysene	20U
(77B)	208-96-8	acenaphthylene	20U
(78B)	120-12-7	anthracene	20U
(79B)	191-24-2	benzo(ghi)perylene	40U
(80B)	86-73-7	fluorene	20U
(81B)	85-01-8	phenanthrene	20U
(82B)	53-70-3	dibenzo(a,h)anthracene	40U
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	40U
(84B)	129-00-0	pyrene	20U
	62-53-3	aniline	20U
	100-51-6	benzyl alcohol	40U
	106-47-8	4-chloroaniline	100U
	132-64-9	dibenzofuran	20U
	91-57-6	2-methylnaphthalene	40U
	88-74-4	2-nitroaniline	200U
	99-09-2	3-nitroaniline	200U

000303

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number

ORGANICS ANALYSIS DATA SHEET

Reagent Blank

Laboratory Name: EAL CORPORATION
Case No: 2420
Lab Sample ID No: [redacted] 052-84-1
QC Report No:
Sample Matrix: [redacted] Dichloromethane
Contract No.: 68-01-6854
Data Release Authorized By: BJT
Date Sample Received:

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

PP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	5U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U
(16V)	75-00-3	chloroethane	5U
(19V)	110-75-8	2-chloroethylvinyl ether	5U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	5U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	10U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	5U
(45V)	74-87-3	chloromethane	5U
(46V)	74-83-9	bromomethane	5U
(47V)	75-25-2	bromoform	5U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	5U
50V)	75-71-8	dichlorodifluoromethane	5U
(51V)	124-48-1	chlorodibromomethane	5U
85V)	127-18-4	tetrachloroethene	5U
86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	5U
88V)	75-01-4	vinyl chloride	5U
	67-64-1	acetone	5U
	78-93-3	2-butanone	5U
	75-15-0	carbondisulfide	5U
	519-78-6	2-hexanone	5U
	108-10-1	4-methyl-2-pentanone	5U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	5U
			5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-21-84
DATE ANALYZED: 3-10-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

PP #	CAS #		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	0.1U
(90P)	60-57-1	dieldrin	0.1U
(91P)	57-74-9	chlordane	0.1U
(92P)	50-29-3	4,4'-DDT	0.1U
(93P)	72-55-9	4,4'-DDE	0.1U
(94P)	72-54-8	4,4'-DDD	0.1U
(95P)	115-29-7	α-endosulfan	0.1U
(96P)	115-29-7	β-endosulfan	0.1U
(97P)	1031-07-8	endosulfan sulfate	0.1U
(98P)	72-20-8	endrin	0.1U
(99P)	7421-93-4	endrin aldehyde	0.[redacted]
(100P)	76-44-8	heptachlor	0.1U
(101P)	1024-57-3	heptachlor epoxide	0.1U
(102P)	319-84-6	α-BHC	0.1U
(103P)	319-85-7	β-BHC	0.1U
(104P)	319-86-8	δ-BHC	0.1U
(105P)	58-89-9	γ-BHC (lindane)	0.1U
(106P)	53469-21-9	PCB-1242	0.1U ~~0.1U~~
(107P)	11097-69-1	PCB-1254	0.5U ~~0.1U~~
(108P)	11104-28-2	PCB-1221	0.4U ~~0.1U~~
(109P)	11141-16-5	PCB-1232	0.4U ~~0.1U~~
(110P)	12672-29-6	PCB-1248	0.3U ~~0.1U~~
(111P)	11096-82-5	PCB-1260	0.8U ~~0.1U~~
(112P)	12674-11-2	PCB-1016	0.2U ~~0.1U~~
(113P)	8001-35-2	toxaphene	5.0U ~~0.1U~~

DIOXINS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-21-84
DATE ANALYZED: 3-10-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

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PP #	CAS #		ug/l or ug/kg (circle one)
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.1U

[illegible] Richmond, Virginia 23173 - (804) 330-2690

Sample Number: BLANK

LOW WATER

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Lab Sample ID No: BLANK 22
Sample Matrix:
Data Release Authorized By: BJT

Case No: 2420
QC Report No:
Contract No.: 68-01-6854
Date Sample Received: 2/17/84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED: 2/22/84
PERCENT MOISTURE:

PP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	5U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U
(16V)	75-00-3	chloroethane	5U
(19V)	110-75-8	2-chloroethylvinyl ether	5U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	5U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	10U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	5U
(45V)	74-87-3	chloromethane	5U
(46V)	74-83-9	bromomethane	5U
(47V)	75-25-2	bromoform	5U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	5U
(50V)	75-71-8	dichlorodifluoromethane	5U
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene	5U
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	5U
	67-64-1	acetone	100U
	78-93-3	2-butanone	200U
	75-15-0	carbondisulfide	10U
	519-78-6	2-hexanone	100U
	108-10-1	4-methyl-2-pentanone	100U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	10U
	1330-20-7	total xylenes	5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:

PP #	CAS #		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	0.1U
(90P)	60-57-1	dieldrin	0.1U
(91P)	57-74-9	chlordane	0.1U
(92P)	50-29-3	4,4'-DDT	0.1U
(93P)	72-55-9	4,4'-DDE	0.1U
(94P)	72-54-8	4,4'-DDD	0.1U
(95P)	115-29-7	α-endosulfan	0.1U
(96P)	115-29-7	β-endosulfan	0.1U
(97P)	1031-07-8	endosulfan sulfate	0.1U
(98P)	72-20-8	endrin	0.1U
(99P)	7421-93-4	endrin aldehyde	0.1U
(100P)	76-44-8	heptachlor	0.1U
(101P)	1024-57-3	heptachlor epoxide	0.1U
(102P)	319-84-6	α-BHC	0.1U
(103P)	319-85-7	β-BHC	0.1U
(104P)	319-86-8	δ-BHC	0.1U
(105P)	58-89-9	γ-BHC (lindane)	0.1U
(106P)	53469-21-9	PCB-1242	0.1U
(107P)	11097-69-1	PCB-1254	0.1U
(108P)	11104-28-2	PCB-1221	0.1U
(109P)	11141-16-5	PCB-1232	0.1U
(110P)	12672-29-6	PCB-1248	0.1U
(111P)	11096-82-5	PCB-1260	0.1U
(112P)	12674-11-2	PCB-1016	0.1U
(113P)	8001-35-2	toxaphene	0.1U

DIOXINS

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:

PP #	CAS #		ug/l or ug/kg (circle one)
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.1U

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number: BLANK

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Case No: 2420
Lab Sample ID No: 2920-1-O
QC Report No:
Sample Matrix: WATER
Contract No.: 68-01-6854
Data Release Authorized By: BJT
Date Sample Received: 2-17-84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-22-84
DATE ANALYZED: 3-10-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR: 1

PP #	CAS #		ug/l or ug/kg (circle one)
21A)	88-06-2	2,4,6- trichlorophenol	20U
22A)	59-50-7	p-chloro-m-cresol	40U
(24A)	95-57-8	2- chlorophenol	20U
31A)	120-83-2	2,4-dichlorophenol	20U
34A)	105-67-9	2,4-dimethylphenol	20U
(57A)	88-75-5	2- nitrophenol	40U
58A)	100-02-7	4-nitrophenol	100U
59A)	51-28-5	2,4-dinitrophenol	100U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	40U
64A)	87-86-5	pentachlorophenol	40U
65A)	108-95-2	phenol	20U
	65-85-0	benzoic acid	200U
	95-48-7	2-methylphenol	20U
	108-39-4	4-methylphenol	20U
	95-95-4	2,4,5-trichlorophenol	200U
B)	83-32-9	acenaphthene	20U
5B)	92-87-5	benzidine	80U
8B)	120-82-1	1,2,4-trichlorobenzene	20U
B)	118-74-1	hexachlorobenzene	20U
12B)	67-72-1	hexachloroethane	20U
18B)	111-44-4	bis(2-chloroethyl)ether	20U
0B)	91-58-7	2-chloronaphthalene	20U
25B)	95-50-1	1,2-dichlorobenzene	20U
36B)	541-73-1	1,3-dichlorobenzene	20U
7B)	106-46-7	1,4-dichlorobenzene	20U
28B)	91-94-1	3,3'-dichlorobenzidine	40U
35B)	121-14-2	2,4-dinitrotoluene	40U
36B)	606-20-2	2,6-dinitrotoluene	40U
37B)	122-66-7	1,2-diphenylhydrazine	40U
9B)	206-44-0	fluoranthene	20U
1B)	7005-72-3	4-chlorophenyl phenyl ether	20U
1B)	101-55-3	4-bromophenyl phenyl ether	20U
2B)	39638-32-9	bis (2-chloroisopropyl) ether	40U
3B)	111-91-1	bis (2-chloroethoxy) methane	40U

PP #	CAS #		ug/l or ug/kg (circle one)
(52B)	87-68-3	hexachlorobutadiene	20U
(53B)	77-47-4	hexachlorocyclopentadiene	20U
(54B)	78-59-1	isophorone	20U
(55B)	91-20-3	naphthalene	20U
(56B)	98-95-3	nitrobenzene	20U
(61B)	62-75-9	N-nitrosodimethylamine	
(62B)	86-30-6	N-nitrosodiphenylamine	20U
(63B)	621-64-7	N-nitrosodipropylamine	40U
(66B)	117-81-7	bis (2-ethylhexyl) phthalate	20U
(67B)	85-68-7	benzyl butyl phthalate	20U
(68B)	84-74-2	di-n-butyl phthalate	20U
(69B)	117-84-0	di-n-octyl phthalate	20U
(70B)	84-66-2	diethyl phthalate	20U
(71B)	131-11-3	dimethyl phthalate	20U
(72B)	56-55-3	benzo(a)anthracene	20U
(73B)	50-32-8	benzo(a)pyrene	40U
(74B)	205-99-2	benzo(b)fluoranthene	40U
(75B)	207-08-9	benzo(k)fluoranthene	40U
(76B)	218-01-9	chrysene	20U
(77B)	208-96-8	acenaphthylene	20U
(78B)	120-12-7	anthracene	20U
(79B)	191-24-2	benzo(ghi)perylene	40U
(80B)	86-73-7	fluorene	20U
(81B)	85-01-8	phenanthrene	20U
(82B)	53-70-3	dibenzo(a,h)anthracene	40U
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	40U
(84B)	129-00-0	pyrene	20U
	62-53-3	aniline	20U
	100-51-6	benzyl alcohol	40U
	106-47-8	4-chloroaniline	100U
	132-64-9	dibenzofuran	20U
	91-57-6	2-methylnaphthalene	40U
	88-74-4	2-nitroaniline	200U
	99-09-2	3-nitroaniline	200U

000306

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U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C4892

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Case No: 2420
Lab Sample ID No: 2920-1-15
QC Report No:
Sample Matrix: WATER
Contract No.: 68-01-6854
Data Release Authorized By: BJT
Date Sample Received: 2-17-84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

PP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	5U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U
(16V)	75-00-3	chloroethane	5U
(19V)	110-75-8	2-chloroethylvinyl ether	5U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	5U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	10U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	5U
45V)	74-87-3	chloromethane	5U
(46V)	74-83-9	bromomethane	5U
47V)	75-25-2	bromoform	5U
48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	5U
50V)	75-71-8	dichlorodifluoromethane	5U
51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene	5U
86V)	108-88-3	toluene	5U
87V)	79-01-6	trichloroethene	5U
88V)	75-01-4	vinyl chloride	5U
	67-64-1	acetone	5U
	78-93-3	2-butanone	5U
	75-15-0	carbondisulfide	5U
	519-78-6	2-hexanone	5U
	108-10-1	4-methyl-2-pentanone	5U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	5U
			5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-21-84
DATE ANALYZED: 3-10-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

PP #	CAS #		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	0.1U
(90P)	60-57-1	dieldrin	0.1U
(91P)	57-74-9	chlordane	0.1U
(92P)	50-29-3	4,4'-DDT	0.1U
(93P)	72-55-9	4,4'-DDE	0.1U
(94P)	72-54-8	4,4'-DDD	0.1U
(95P)	115-29-7	α-endosulfan	0.1U
(96P)	115-29-7	β-endosulfan	0.1U
(97P)	1031-07-8	endosulfan sulfate	0.1U
(98P)	72-20-8	endrin	0.1U
(99P)	7421-93-4	endrin aldehyde	0.1U
(100P)	76-44-8	heptachlor	0.1U
(101P)	1024-57-3	heptachlor epoxide	0.1U
(102P)	319-84-6	α-BHC	0.1U
(103P)	319-85-7	β-BHC	0.1U
(104P)	319-86-8	δ-BHC	0.1U
(105P)	58-89-9	γ-BHC (lindane)	0.1U
(106P)	53469-21-9	PCB-1242	0.1U
(107P)	11097-69-1	PCB-1254	0.1U
(108P)	11104-28-2	PCB-1221	0.1U
(109P)	11141-16-5	PCB-1232	0.1U
(110P)	12672-29-6	PCB-1248	0.1U
(111P)	11096-82-5	PCB-1260	0.2U ~~0.1U~~ RC
(112P)	12674-11-2	PCB-1016	0.1U
(113P)	8001-35-2	toxaphene	1.0U ~~0.1U~~ RC

DIOXINS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-17-84
DATE ANALYZED: 3-10-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

PP #	CAS #		ug/l or ug/kg (circle one)
(129B)	[illegible]	[illegible]	0.1U

AR000307

P.O. Box 818, Alexandria, Virginia 22313 • 703/557-2490

Sample Number
C-4892
LOW WATER

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Lab Sample ID No: 2920-1-15
Sample Matrix:
Data Release Authorized By: BJS

Case No: 2420
QC Report No:
Contract No.: 68-01-6854
Date Sample Received: 2/17/84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED: 2/23/84
PERCENT MOISTURE:

PP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	5U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U
(16V)	75-00-3	chloroethane	5U
(19V)	110-75-8	2-chloroethylvinyl ether	5U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	5U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	10U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	10 5U BJS
(45V)	74-87-3	chloromethane	5U
(46V)	74-83-9	bromomethane	5U
(47V)	75-25-2	bromoform	5U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	5U
(50V)	75-71-8	dichlorodifluoromethane	5U
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene	5U
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	5U
	67-64-1	acetone	100U
	78-93-3	2-butanone	200U
	75-15-0	carbondisulfide	10U
	519-78-6	2-hexanone	100U
	108-10-1	4-methyl-2-pentanone	100U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	10U
	1330-20-7	total xylenes	5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:

PP #	CAS #		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	0.1U
(90P)	60-57-1	dieldrin	0.1U
(91P)	57-74-9	chlordane	0.1U
(92P)	50-29-3	4,4'-DDT	0.1U
(93P)	72-55-9	4,4'-DDE	0.1U
(94P)	72-54-8	4,4'-DDD	0.1U
(95P)	115-29-7	α-endosulfan	0.1U
(96P)	115-29-7	β-endosulfan	0.1U
(97P)	1031-07-8	endosulfan sulfate	0.1U
(98P)	72-20-8	endrin	0.1U
(99P)	7421-93-4	endrin aldehyde	0.1U
(100P)	76-44-8	heptachlor	0.1U
(101P)	1024-57-3	heptachlor epoxide	0.1U
(102P)	319-84-6	α-BHC	0.1U
(103P)	319-85-7	β-BHC	0.1U
(104P)	319-86-8	δ-BHC	0.1U
(105P)	58-89-9	γ-BHC (lindane)	0.1U
(106P)	53469-21-9	PCB-1242	0.1U
(107P)	11097-69-1	PCB-1254	0.1U
(108P)	11104-28-2	PCB-1221	0.1U
(109P)	11141-16-5	PCB-1232	0.1U
(110P)	12672-29-6	PCB-1248	0.1U
(111P)	11096-82-5	PCB-1260	0.1U
(112P)	12674-11-2	PCB-1016	0.1U
(113P)	8001-35-2	toxaphene	0.1U

DIOXINS

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:

PP #	CAS #		ug/l or ug/kg (circle one)
(120D)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.1U

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C-4892

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Case No: 2420
Lab Sample ID No: 2920- 1-15
QC Report No:
Sample Matrix: WATER
Contract No.: 68-01-6854
Data Release Authorized By: BJT
Date Sample Received: 2-17-84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-22-84
DATE ANALYZED: 3-10-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR: 1

PP #	CAS #		ug/l or ug/kg (circle one)
(21A)	88-06-2	2,4,6- trichlorophenol	20U
(22A)	59-50-7	p-chloro-m-cresol	40U
(24A)	95-57-8	2- chlorophenol	20U
(31A)	120-83-2	2,4-dichlorophenol	20U
(34A)	105-67-9	2,4-dimethylphenol	20U
(37A)	88-75-5	2- nitrophenol	40U
58A)	100-02-7	4-nitrophenol	100U
(59A)	51-28-5	2,4-dinitrophenol	100U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	40U
(64A)	87-86-5	pentachlorophenol	40U
(65A)	108-95-2	phenol	20U
	65-85-0	benzoic acid	200U
	95-48-7	2-methylphenol	20U
	108-39-4	4-methylphenol	20U
	95-95-4	2,4,5-trichlorophenol	200U
1B)	83-32-9	acenaphthene	20U
(5B)	92-87-5	benzidine	80U
'8B)	120-82-1	1,2,4-trichlorobenzene	20U
9B)	118-74-1	hexachlorobenzene	20U
(12B)	67-72-1	hexachloroethane	20U
'18B)	111-44-4	bis(2-chloroethyl)ether	20U
20B)	91-58-7	2-chloronaphthalene	20U
(25B)	95-50-1	1,2-dichlorobenzene	20U
'26B)	541-73-1	1,3-dichlorobenzene	20U
27B)	106-46-7	1,4-dichlorobenzene	20U
(28B)	91-94-1	3,3'-dichlorobenzidine	40U
35B)	121-14-2	2,4-dinitrotoluene	40U
36B)	606-20-2	2,6-dinitrotoluene	40U
37B)	122-66-7	1,2-diphenylhydrazine	40U
B)	206-44-0	fluoranthene	20U
40B)	7005-72-3	4-chlorophenyl phenyl ether	20U
41B)	101-55-3	4-bromophenyl phenyl ether	20U
42B)	39638-32-9	bis (2-chloroisopropyl) ether	40U
43B)	111-91-1	bis (2-chloroethoxy) methane	40U

PP #	CAS #		ug/l or ug/kg (circle one)
(52B)	87-68-3	hexachlorobutadiene	20U
(53B)	77-47-4	hexachlorocyclopentadiene	20U
(54B)	78-59-1	isophorone	20U
(55B)	91-20-3	naphthalene	20U
(56B)	98-95-3	nitrobenzene	20U
(61B)	62-75-9	N-nitrosodimethylamine	20U
(62B)	86-30-6	N-nitrosodiphenylamine	20U
(63B)	621-64-7	N-nitrosodipropylamine	40U
(66B)	117-81-7	bis (2-ethylhexyl) phthalate	20U
(67B)	85-68-7	benzyl butyl phthalate	20U
(68B)	84-74-2	di-n-butyl phthalate	20U
(69B)	117-84-0	di-n-octyl phthalate	20U
(70B)	84-66-2	diethyl phthalate	20U
(71B)	131-11-3	dimethyl phthalate	20U
(72B)	56-55-3	benzo(a)anthracene	20U
(73B)	50-32-8	benzo(a)pyrene	40U
(74B)	205-99-2	benzo(b)fluoranthene	40U
(75B)	207-08-9	benzo(k)fluoranthene	40U
(76B)	218-01-9	chrysene	20U
(77B)	208-96-8	acenaphthylene	20U
(78B)	120-12-7	anthracene	20U
(79B)	191-24-2	benzo(ghi)perylene	40U
(80B)	86-73-7	fluorene	20U
(81B)	85-01-8	phenanthrene	20U
(82B)	53-70-3	dibenzo(a,h)anthracene	40U
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	40U
(84B)	129-00-0	pyrene	20U
	62-53-3	aniline	20U
	100-51-6	benzyl alcohol	40U
	106-47-8	4-chloroaniline	100U
	132-64-9	dibenzofuran	20U
	91-57-6	2-methylnaphthalene	40U
	88-74-4	2-nitroaniline	200U
	99-09-2	3-nitr	0U

000309

000309

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number: C4891

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Case No: 2420
Lab Sample ID No: 2920-1-14
QC Report No:
Sample Matrix: WATER
Contract No.: 68-01-6854
Data Release Authorized By: BJT
Date Sample Received: 2-17-84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

PP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	5U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U
(16V)	75-00-3	chloroethane	5U
(19V)	110-75-8	2-chloroethylvinyl ether	5U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	5U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	10U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	5U
(45V)	74-87-3	chloromethane	5U
(46V)	74-83-9	bromomethane	5U
(47V)	75-25-2	bromoform	5U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	5U
(50V)	75-71-8	dichlorodifluoromethane	5U
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene	5U
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	5U
	67-64-1	acetone	5U
	78-93-3	2-butanone	5U
	75-15-0	carbondisulfide	5U
	519-78-6	2-hexanone	5U
	108-10-1	4-methyl-2-pentanone	5U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-21-84
DATE ANALYZED: 3-10-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

PP #	CAS #		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	0.1U
(90P)	60-57-1	dieldrin	0.1U
(91P)	57-74-9	chlordane	0.1U
(92P)	50-29-3	4,4'-DDT	0.1U
(93P)	72-55-9	4,4'-DDE	0.1U
(94P)	72-54-8	4,4'-DDD	0.1U
(95P)	115-29-7	α-endosulfan	0.1U
(96P)	115-29-7	β-endosulfan	0.1U
(97P)	1031-07-8	endosulfan sulfate	0.1U
(98P)	72-20-8	endrin	0.1U
(99P)	7421-93-4	endrin aldehyde	0.1U
(100P)	76-44-8	heptachlor	0.1U
(101P)	1024-57-3	heptachlor epoxide	0.1U
(102P)	319-84-6	α-BHC	0.1U
(103P)	319-85-7	β-BHC	0.1U
(104P)	319-86-8	δ-BHC	0.1U
(105P)	58-89-9	γ-BHC (lindane)	0.1U
(106P)	53469-21-9	PCB-1242	0.1U
(107P)	11097-69-1	PCB-1254	0.1U
(108P)	11104-28-2	PCB-1221	0.1U
(109P)	11141-16-5	PCB-1232	0.1U
(110P)	12672-29-6	PCB-1248	0.1U
(111P)	11096-82-5	PCB-1260	0.1U
(112P)	12674-11-2	PCB-1016	0.1U
(113P)	8001-35-2	toxaphene	1.0U ~~0.1U~~

DIOXINS

000310

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-21-84
DATE ANALYZED: 3-10-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

PP #	CAS #		ug/l or ug/kg (circle one)
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.1U

AR000310

P.O. Box 818, Alexandria, Virginia 22313 • 703/557-2490

Sample Number
C-4891
LOW WATER

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Lab Sample ID No: 2920-1-14
Sample Matrix:
Data Release Authorized By: BJT

Case No: 2420
QC Report No:
Contract No.: 68-01-6854
Date Sample Received: 2/17/84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED: 2/23/84
PERCENT MOISTURE:

PP #	CAS #		(ug/l or ug/kg) (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	5U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U
(16V)	75-00-3	chloroethane	5U
(19V)	110-75-8	2-chloroethylvinyl ether	5U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	5U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	10U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	3LT 5U BJT
(45V)	74-87-3	chloromethane	5U
(46V)	74-83-9	bromomethane	5U
(47V)	75-25-2	bromoform	5U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	5U
(50V)	75-71-8	dichlorodifluoromethane	5U
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene	2.4LT 5U BJT
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	5U
	67-64-1	acetone	100U
	78-93-3	2-butanone	200U
	75-15-0	carbondisulfide	10U
	519-78-6	2-hexanone	100U
	108-10-1	4-methyl-2-pentanone	100U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	10U
	1330-20-7	total xylenes	5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:

PP #	CAS #		(ug/l or ug/kg) (circle one)
(89P)	309-00-2	aldrin	0.1U
(90P)	60-57-1	dieldrin	0.1U
(91P)	57-74-9	chlordane	0.1U
(92P)	50-29-3	4,4'-DDT	0.1U
(93P)	72-55-9	4,4'-DDE	0.1U
(94P)	72-54-8	4,4'-DDD	0.1U
(95P)	115-29-7	α-endosulfan	0.1U
(96P)	115-29-7	β-endosulfan	0.1U
(97P)	1031-07-8	endosulfan sulfate	0.1U
(98P)	72-20-8	endrin	0.1U
(99P)	7421-93-4	endrin aldehyde	0.1U
(100P)	76-44-8	heptachlor	0.1U
(101P)	1024-57-3	heptachlor epoxide	0.1U
(102P)	319-84-6	α-BHC	0.1U
(103P)	319-85-7	β-BHC	0.1U
(104P)	319-86-8	δ-BHC	0.1U
(105P)	58-89-9	γ-BHC (lindane)	0.1U
(106P)	53469-21-9	PCB-1242	0.1U
(107P)	11097-69-1	PCB-1254	0.1U
(108P)	11104-28-2	PCB-1221	0.1U
(109P)	11141-16-5	PCB-1232	0.1U
(110P)	12672-29-6	PCB-1248	0.1U
(111P)	11096-82-5	PCB-1260	0.1U
(112P)	12674-11-2	PCB-1016	0.1U
(113P)	8001-35-2	toxaphene	0.1U

DIOXINS

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:

PP #	CAS #		(ug/l or ug/kg) (circle one)
(129D)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.1U

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C-4891

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Case No: 2420
Lab Sample ID No: 2920- 1-14
QC Report No:
Sample Matrix: WATER
Contract No.: 68-01-6854
Data Release Authorized By: BJT
Date Sample Received: 2-17-84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-22-84
DATE ANALYZED: 3-10-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR: 1

PP #	CAS #		ug/l or ug/kg (circle one)
21A)	88-06-2	2,4,6- trichlorophenol	20U
22A)	59-50-7	p-chloro-m-cresol	40U
24A)	95-57-8	2- chlorophenol	20U
31A)	120-83-2	2,4-dichlorophenol	20U
34A)	105-67-9	2,4-dimethylphenol	20U
57A)	88-75-5	2- nitrophenol	40U
58A)	100-02-7	4-nitrophenol	100U
59A)	51-28-5	2,4-dinitrophenol	100U
60A)	534-52-1	4,6-dinitro-2-methylphenol	40U
64A)	87-86-5	pentachlorophenol	40U
65A)	108-95-2	phenol	20U
	65-85-0	benzoic acid	200U
	95-48-7	2-methylphenol	20U
	108-39-4	4-methylphenol	20U
	95-95-4	2,4,5-trichlorophenol	200U
1B)	83-32-9	acenaphthene	20U
5B)	92-87-5	benzidine	80U
3B)	120-82-1	1,2,4-trichlorobenzene	20U
9B)	118-74-1	hexachlorobenzene	20U
12B)	67-72-1	hexachloroethane	20U
8B)	111-44-4	bis(2-chloroethyl)ether	20U
10B)	91-58-7	2-chloronaphthalene	20U
25B)	95-50-1	1,2-dichlorobenzene	20U
26B)	541-73-1	1,3-dichlorobenzene	20U
27B)	106-46-7	1,4-dichlorobenzene	20U
28B)	91-94-1	3,3'-dichlorobenzidine	40U
35B)	121-14-2	2,4-dinitrotoluene	40U
36B)	606-20-2	2,6-dinitrotoluene	40U
37B)	122-66-7	1,2-diphenylhydrazine	40U
39B)	206-44-0	fluoranthene	20U
40B)	7005-72-3	4-chlorophenyl phenyl ether	20U
41B)	101-55-3	4-bromophenyl phenyl ether	20U
42B)	39638-32-9	bis (2-chloroisopropyl) ether	40U
43B)	111-91-1	bis (2-chloroethoxy) methane	40U

PP #	CAS #		ug/l or ug/kg (circle one)
(52B)	87-68-3	hexachlorobutadiene	20U
(53B)	77-47-4	hexachlorocyclopentadiene	20U
(54B)	78-59-1	isophorone	20U
(55B)	91-20-3	naphthalene	20U
(56B)	98-95-3	nitrobenzene	20U
(61B)	62-75-9	N-nitrosodimethylamine	2
(62B)	86-30-6	N-nitrosodiphenylamine	20U
(63B)	621-64-7	N-nitrosodipropylamine	40U
(66B)	117-81-7	bis (2-ethylhexyl) phthalate	20U
(67B)	85-68-7	benzyl butyl phthalate	20U
(68B)	84-74-2	di-n-butyl phthalate	20U
(69B)	117-84-0	di-n-octyl phthalate	20U
(70B)	84-66-2	diethyl phthalate	20U
(71B)	131-11-3	dimethyl phthalate	20U
(72B)	56-55-3	benzo(a)anthracene	20U
(73B)	50-32-8	benzo(a)pyrene	40U
(74B)	205-99-2	benzo(b)fluoranthene	40U
(75B)	207-08-9	benzo(k)fluoranthene	40U
(76B)	218-01-9	chrysene	20U
(77B)	208-96-8	acenaphthylene	20U
(78B)	120-12-7	anthracene	20U
(79B)	191-24-2	benzo(ghi)perylene	40U
(80B)	86-73-7	fluorene	20U
(81B)	85-01-8	phenanthrene	20U
(82B)	53-70-3	dibenzo(a,h)anthracene	40U
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	40U
(84B)	129-00-0	pyrene	20U
	62-53-3	aniline	20U
	100-51-6	benzyl alcohol	40U
	106-47-8	4-chloroaniline	100U
	132-64-9	dibenzofuran	20U
	91-57-6	2-methylnaphthalene	40U
	88-74-4	2-nitroaniline	200U
	99-09-2	3-nitro	0U

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number: C4896

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Case No: 2420
Lab Sample ID No: 2920-1-13
QC Report No:
Sample Matrix: WATER
Contract No.: 68-01-6854
Data Release Authorized By: BJT
Date Sample Received: 2-17-84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

PP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	5U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U
(16V)	75-00-3	chloroethane	5U
(19V)	110-75-8	2-chloroethylvinyl ether	5U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	5U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	10U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	5U
(45V)	74-87-3	chloromethane	5U
(46V)	74-83-9	bromomethane	5U
(47V)	75-25-2	bromoform	5U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	5U
(50V)	75-71-8	dichlorodifluoromethane	5U
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene	5U
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	5U
	67-64-1	acetone	5U
	78-93-3	2-butanone	5U
	75-15-0	carbondisulfide	5U
	519-78-6	2-hexanone	5U
	108-10-1	4-methyl-2-pentanone	5U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	5U
			5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-21-84
DATE ANALYZED: 3-10-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

PP #	CAS #		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	0.1U
(90P)	60-57-1	dieldrin	0.1U
(91P)	57-74-9	chlordane	0.1U
(92P)	50-29-3	4,4'-DDT	0.1U
(93P)	72-55-9	4,4'-DDE	0.1U
(94P)	72-54-8	4,4'-DDD	0.1U
(95P)	115-29-7	α-endosulfan	0.1U
(96P)	115-29-7	β-endosulfan	0.1U
(97P)	1031-07-8	endosulfan sulfate	0.1U
(98P)	72-20-8	endrin	0.1U
(99P)	7421-93-4	endrin aldehyde	0.1U
(100P)	76-44-8	heptachlor	0.1U
(101P)	1024-57-3	heptachlor epoxide	0.1U
(102P)	319-84-6	α-BHC	0.1U
(103P)	319-85-7	β-BHC	0.1U
(104P)	319-86-8	δ-BHC	0.1U
(105P)	58-89-9	γ-BHC (lindane)	0.1U
(106P)	53469-21-9	PCB-1242	0.1U
(107P)	11097-69-1	PCB-1254	0.1U
(108P)	11104-28-2	PCB-1221	0.1U
(109P)	11141-16-5	PCB-1232	0.1U
(110P)	12672-29-6	PCB-1248	0.1U
(111P)	11096-82-5	PCB-1260	0.2U ~~0.1U~~
(112P)	12674-11-2	PCB-1016	0.1U
(113P)	8001-35-2	toxaphene	1.0U ~~0.1U~~

DIOXINS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-21-84
DATE ANALYZED: 3-10-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

PP #	CAS #		ug/l or ug/kg (circle one)
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.1U

Sample Number
C-4890

LOW WATER

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Lab Sample ID No: 2920-1-13
Sample Matrix:
Data Release Authorized By: BJS

Case No: 2420
QC Report No:
Contract No.: 68-01-6854
Date Sample Received: 2/17/84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED: 2/23/84
PERCENT MOISTURE:

PP #	CAS #		(ug/l or ug/kg (circle one))
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(6V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	5U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U
(16V)	75-00-3	chloroethane	5U
(19V)	110-75-8	2-chloroethylvinyl ether	5U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	5U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	10U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	5U
(45V)	74-87-3	chloromethane	5U
(46V)	74-83-9	bromomethane	5U
(47V)	75-25-2	bromoform	5U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	5U
(50V)	75-71-8	dichlorodifluoromethane	5U
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene	4.6 LT 5U BJS
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	5U
	67-64-1	acetone	100U
	78-93-3	2-butanone	200U
	75-15-0	carbondisulfide	10U
	519-78-6	2-hexanone	100U
	108-10-1	4-methyl-2-pentanone	100U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	10U
	1330-20-7	total xylenes	5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:

PP #	CAS #		(ug/l or ug/kg (circle one))
(89P)	309-00-2	aldrin	0.1U
(90P)	60-57-1	dieldrin	0.1U
(91P)	57-74-9	chlordane	0.1U
(92P)	50-29-3	4,4'-DDT	0.1U
(93P)	72-55-9	4,4'-DDE	0.1U
(94P)	72-54-8	4,4'-DDD	0.1U
(95P)	115-29-7	α-endosulfan	0.1U
(96P)	115-29-7	β-endosulfan	0.1U
(97P)	1031-07-8	endosulfan sulfate	0.1U
(98P)	72-20-8	endrin	0.1U
(99P)	7421-93-4	endrin aldehyde	0.1U
(100P)	76-44-8	heptachlor	0.1U
(101P)	1024-57-3	heptachlor epoxide	0.1U
(102P)	319-84-6	α-BHC	0.1U
(103P)	319-85-7	β-BHC	0.1U
(104P)	319-86-8	δ-BHC	0.1U
(105P)	58-89-9	γ-BHC (lindane)	0.1U
(106P)	53469-21-9	PCB-1242	0.1U
(107P)	11097-69-1	PCB-1254	0.1U
(108P)	11104-28-2	PCB-1221	0.1U
(109P)	11141-16-5	PCB-1232	0.1U
(110P)	12672-29-6	PCB-1248	0.1U
(111P)	11096-82-5	PCB-1260	0.1U
(112P)	12674-11-2	PCB-1016	0.1U
(113P)	8001-35-2	toxaphene	0.1U

DIOXINS

000314

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:

PP #	CAS #		(ug/l or ug/kg (circle one))
(129D)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.1U

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C-4890

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Case No: 2420
Lab Sample ID No: 2920- 1-13
QC Report No:
Sample Matrix: WATER
Contract No.: 68-01-6854
Data Release Authorized By: BJT
Date Sample Received: 2-17-84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-22-84
DATE ANALYZED: 3-9-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR: 1

PP #	CAS #		ug/l or ug/kg (circle one)
21A)	88-06-2	2,4,6- trichlorophenol	20U
22A)	59-50-7	p-chloro-m-cresol	40U
(24A)	95-57-8	2- chlorophenol	20U
31A)	120-83-2	2,4-dichlorophenol	20U
34A)	105-67-9	2,4-dimethylphenol	20U
(57A)	88-75-5	2- nitrophenol	40U
58A)	100-02-7	4-nitrophenol	100U
59A)	51-28-5	2,4-dinitrophenol	100U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	40U
64A)	87-86-5	pentachlorophenol	40U
(65A)	108-95-2	phenol	20U
	65-85-0	benzoic acid	200U
	95-48-7	2-methylphenol	20U
	108-39-4	4-methylphenol	20U
	95-95-4	2,4,5-trichlorophenol	200U
B)	83-32-9	acenaphthene	20U
(5B)	92-87-5	benzidine	80U
"B)	120-82-1	1,2,4-trichlorobenzene	20U
B)	118-74-1	hexachlorobenzene	20U
(12B)	67-72-1	hexachloroethane	20U
"8B)	111-44-4	bis(2-chloroethyl)ether	20U
0B)	91-58-7	2-chloronaphthalene	20U
25B)	95-50-1	1,2-dichlorobenzene	20U
6B)	541-73-1	1,3-dichlorobenzene	20U
7B)	106-46-7	1,4-dichlorobenzene	20U
28B)	91-94-1	3,3'-dichlorobenzidine	40U
5B)	121-14-2	2,4-dinitrotoluene	40U
3B)	606-20-2	2,6-dinitrotoluene	40U
37B)	122-66-7	1,2-diphenylhydrazine	40U
9B)	206-44-0	fluoranthene	20U
)B)	7005-72-3	4-chlorophenyl phenyl ether	20U
41B)	101-55-3	4-bromophenyl phenyl ether	20U
!B)	39638-32-9	bis (2-chloroisopropyl) ether	40U
)B)	111-91-1	bis (2-chloroethoxy) methane	40U

PP #	CAS #		ug/l or ug/kg (circle on
(52B)	87-68-3	hexachlorobutadiene	20U
(53B)	77-47-4	hexachlorocyclopentadiene	20U
(54B)	78-59-1	isophorone	20U
(55B)	91-20-3	naphthalene	20U
(56B)	98-95-3	nitrobenzene	20U
(61B)	62-75-9	N-nitrosodimethylamine	20U
(62B)	86-30-6	N-nitrosodiphenylamine	20U
(63B)	621-64-7	N-nitrosodipropylamine	40U
(66B)	117-81-7	bis (2-ethylhexyl) phthalate	20U
(67B)	85-68-7	benzyl butyl phthalate	20U
(68B)	84-74-2	di-n-butyl phthalate	20U
(69B)	117-84-0	di-n-octyl phthalate	20U
(70B)	84-66-2	diethyl phthalate	20U
(71B)	131-11-3	dimethyl phthalate	20U
(72B)	56-55-3	benzo(a)anthracene	20U
(73B)	50-32-8	benzo(a)pyrene	40U
(74B)	205-99-2	benzo(b)fluoranthene	40U
(75B)	207-08-9	benzo(k)fluoranthene	40U
(76B)	218-01-9	chrysene	20U
(77B)	208-96-8	acenaphthylene	20U
(78B)	120-12-7	anthracene	20U
(79B)	191-24-2	benzo(ghi)perylene	40U
(80B)	86-73-7	fluorene	20U
(81B)	85-01-8	phenanthrene	20U
(82B)	53-70-3	dibenzo(a,h)anthracene	40U
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	40U
(84B)	129-00-0	pyrene	20U
	62-53-3	aniline	20U
	100-51-6	benzyl alcohol	40U
	106-47-8	4-chloroaniline	100U
	132-64-9	dibenzofuran	20U
	91-57-6	2-methylnaphthalene	40U
	88-74-4	2-nitroaniline	200U
	99-09-2	3-nitroa	00U

000315

AR000315

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C4886

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Lab Sample ID No: 2920-1-12
Sample Matrix: WATER
Data Release Authorized By: BJT

Case No: 2420
QC Report No:
Contract No.: 68-01-6854
Date Sample Received: 2-17-84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

PP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	5U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U
(16V)	75-00-3	chloroethane	5U
(19V)	110-75-8	2-chloroethylvinyl ether	5U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	5U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	10U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	5U
(45V)	74-87-3	chloromethane	5U
(46V)	74-83-9	bromomethane	5U
(47V)	75-25-2	bromoform	5U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	5U
(50V)	75-71-8	dichlorodifluoromethane	5U
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene	5U
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	5U
	67-64-1	acetone	5U
	78-93-3	2-butanone	5U
	75-15-0	carbondisulfide	5U
	519-78-6	2-hexanone	5U
	108-10-1	4-methyl-2-pentanone	5U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	5U
			5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-21-84
DATE ANALYZED: 3-10-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

PP #	CAS #		ug/l or ug/kg (circle on
(89P)	309-00-2	aldrin	0.1U
(90P)	60-57-1	dieldrin	0.1U
(91P)	57-74-9	chlordane	0.1U
(92P)	50-29-3	4,4'-DDT	0.1U
(93P)	72-55-9	4,4'-DDE	0.1U
(94P)	72-54-8	4,4'-DDD	0.1U
(95P)	115-29-7	α-endosulfan	0.1U
(96P)	115-29-7	β-endosulfan	0.1U
(97P)	1031-07-8	endosulfan sulfate	0.1U
(98P)	72-20-8	endrin	0.1U
(99P)	7421-93-4	endrin aldehyde	0.1U
(100P)	76-44-8	heptachlor	0.1U
(101P)	1024-57-3	heptachlor epoxide	0.1U
(102P)	319-84-6	α-BHC	0.1U
(103P)	319-85-7	β-BHC	0.1U
(104P)	319-86-8	δ-BHC	0.1U
(105P)	58-89-9	γ-BHC (lindane)	0.1U
(106P)	53469-21-9	PCB-1242	0.1U
(107P)	11097-69-1	PCB-1254	0.2U ~~0.1U~~
(108P)	11104-28-2	PCB-1221	0.1U
(109P)	11141-16-5	PCB-1232	0.2U ~~0.1U~~
(110P)	12672-29-6	PCB-1248	0.1U
(111P)	11096-82-5	PCB-1260	0.3U ~~0.1U~~
(112P)	12674-11-2	PCB-1016	0.1U
(113P)	8001-35-2	toxaphene	2.0U ~~0.1U~~

000316

DIOXINS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-21-84
DATE ANALYZED: 3-10-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

PP #	CAS #		ug/l or ug/kg (circle on
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.1U

U.S. ENVIRONMENTAL PROTECTION AGENCY
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C-4886

LOW WATER

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Case No: 2420
Lab Sample ID No: 2920-1-12
QC Report No:
Sample Matrix:
Contract No.: 68-01-6854
Data Release Authorized By: BJT
Date Sample Received: 2/17/84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED: 2/23/84
PERCENT MOISTURE:

PP #	CAS #		ug/l or ug/kg (circle one)	
(2V)	107-02-8	acrolein	100U	
(3V)	107-13-1	acrylonitrile	100U	
(6V)	71-43-2	benzene	14	5U BJT
(6V)	56-23-5	carbon tetrachloride	5U	
(7V)	108-90-7	chlorobenzene	5U	
(10V)	107-06-2	1,2-dichloroethane	5U	
(11V)	71-55-6	1,1,1-trichloroethane	5U	
(13V)	75-34-3	1,1-dichloroethane	5U	
(14V)	79-00-5	1,1,2-trichloroethane	5U	
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U	
(16V)	75-00-3	chloroethane	5U	
(19V)	110-75-8	2-chloroethylvinyl ether	5U	
(23V)	67-66-3	chloroform	5U	
(29V)	75-35-4	1,1-dichloroethene	5U	
(30V)	156-60-5	trans-1,2-dichloroethene	323	5U BJT
(32V)	78-87-5	1,2-dichloropropane	5U	
(33V)	10061-02-6	trans-1,3-dichloropropene	5U	
	10061-01-05	cis-1,3-dichloropropene	10U	
(38V)	100-41-4	ethylbenzene	5U	
(44V)	75-09-2	methylene chloride	5U	
(45V)	74-87-3	chloromethane	5U	
(46V)	74-83-9	bromomethane	5U	
(47V)	75-25-2	bromoform	5U	
(48V)	75-27-4	bromodichloromethane	5U	
(49V)	75-69-4	fluorotrichloromethane	5U	
(50V)	75-71-8	dichlorodifluoromethane	5U	
(51V)	124-48-1	chlorodibromomethane	5U	
(85V)	127-18-4	tetrachloroethene	29	5U BJT
(86V)	108-88-3	toluene	5U	
(87V)	79-01-6	trichloroethene	24	5U BJT
(88V)	75-01-4	vinyl chloride	21	5U BJT
	67-64-1	acetone	100U	
	78-93-3	2-butanone	200U	
	75-15-0	carbondisulfide	10U	
	519-78-6	2-hexanone	100U	
	108-10-1	4-methyl-2-pentanone	100U	
	100-42-5	styrene	5U	
	108-05-4	vinyl acetate	10U	
	1330-20-7	total xylenes	5U	

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:

PP #	CAS #		ug/l or ug/kg (circle
(89P)	309-00-2	aldrin	0.1U
(90P)	60-57-1	dieldrin	0.1U
(91P)	57-74-9	chlordane	0.1U
(92P)	50-29-3	4,4'-DDT	0.1U
(93P)	72-55-9	4,4'-DDE	0.1U
(94P)	72-54-8	4,4'-DDD	0.1U
(95P)	115-29-7	α-endosulfan	0.1U
(96P)	115-29-7	β-endosulfan	0.1U
(97P)	1031-07-8	endosulfan sulfate	0.1U
(98P)	72-20-8	endrin	0.1U
(99P)	7421-93-4	endrin aldehyde	0.1U
(100P)	76-44-8	heptachlor	0.1U
(101P)	1024-57-3	heptachlor epoxide	0.1U
(102P)	319-84-6	α-BHC	0.1U
(103P)	319-85-7	β-BHC	0.1U
(104P)	319-86-8	δ-BHC	0.1U
(105P)	58-89-9	γ-BHC (lindane)	0.1U
(106P)	53469-21-9	PCB-1242	0.1U
(107P)	11097-69-1	PCB-1254	0.1U
(108P)	11104-28-2	PCB-1221	0.1U
(109P)	11141-16-5	PCB-1232	0.1U
(110P)	12672-29-6	PCB-1248	0.1U
(111P)	11096-82-5	PCB-1260	0.1U
(112P)	12674-11-2	PCB-1016	0.1U
(113P)	8001-35-2	toxaphene	0.1U

DIOXINS

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:

000317

PP #	CAS #		ug/l or ug/kg (circle
(129D)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.1

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C-4886

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Case No: 2420
Lab Sample ID No: 2920- 1-12
QC Report No:
Sample Matrix: WATER
Contract No.: 68-01-6854
Data Release Authorized By: BJT
Date Sample Received: 2-17-84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-22-84
DATE ANALYZED: 3-9-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR: 1

PP #	CAS #		ug/l or ug/kg (circle one)
(21A)	88-06-2	2,4,6- trichlorophenol	20U
(22A)	59-50-7	p-chloro-m-cresol	40U
(24A)	95-57-8	2- chlorophenol	20U
(31A)	120-83-2	2,4-dichlorophenol	20U
(34A)	105-67-9	2,4-dimethylphenol	20U
(57A)	88-75-5	2- nitrophenol	40U
(58A)	100-02-7	4-nitrophenol	100U
(59A)	51-28-5	2,4-dinitrophenol	100U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	40U
(64A)	87-86-5	pentachlorophenol	40U
(65A)	108-95-2	phenol	20U
	65-85-0	benzoic acid	200U
	95-48-7	2-methylphenol	20U
	108-39-4	4-methylphenol	20U
	95-95-4	2,4,5-trichlorophenol	200U
(1B)	83-32-9	acenaphthene	20U
(5B)	92-87-5	benzidine	80U
(8B)	120-82-1	1,2,4-trichlorobenzene	20U
(9B)	118-74-1	hexachlorobenzene	20U
(12B)	67-72-1	hexachloroethane	20U
(18B)	111-44-4	bis(2-chloroethyl)ether	20U
(20B)	91-58-7	2-chloronaphthalene	20U
(25B)	95-50-1	1,2-dichlorobenzene	20U
(26B)	541-73-1	1,3-dichlorobenzene	20U
(27B)	106-46-7	1,4-dichlorobenzene	20U
(28B)	91-94-1	3,3'-dichlorobenzidine	40U
(35B)	121-14-2	2,4-dinitrotoluene	40U
(36B)	606-20-2	2,6-dinitrotoluene	40U
(37B)	122-66-7	1,2-diphenylhydrazine	40U
(39B)	206-44-0	fluoranthene	20U
(40B)	7005-72-3	4-chlorophenyl phenyl ether	20U
(41B)	101-55-3	4-bromophenyl phenyl ether	20U
(42B)	39638-32-9	bis (2-chloroisopropyl) ether	40U
(43B)	111-91-1	bis (2-chloroethoxy) methane	40U

PP #	CAS #		ug/l or ug/kg (circle one)
(52B)	87-68-3	hexachlorobutadiene	20U
(53B)	77-47-4	hexachlorocyclopentadiene	20U
(54B)	78-59-1	isophorone	20U
(55B)	91-20-3	naphthalene	20U
(56B)	98-95-3	nitrobenzene	20U
(61B)	62-75-9	N-nitrosodimethylamine	[illegible]
(62B)	86-30-6	N-nitrosodiphenylamine	20U
(63B)	621-64-7	N-nitrosodipropylamine	40U
(66B)	117-81-7	bis (2-ethylhexyl) phthalate	20U
(67B)	85-68-7	benzyl butyl phthalate	20U
(68B)	84-74-2	di-n-butyl phthalate	20U
(69B)	117-84-0	di-n-octyl phthalate	20U
(70B)	84-66-2	diethyl phthalate	20U
(71B)	131-11-3	dimethyl phthalate	20U
(72B)	56-55-3	benzo(a)anthracene	20U
(73B)	50-32-8	benzo(a)pyrene	40U
(74B)	205-99-2	benzo(b)fluoranthene	40U
(75B)	207-08-9	benzo(k)fluoranthene	40U
(76B)	218-01-9	chrysene	20U
(77B)	208-96-8	acenaphthylene	20U
(78B)	120-12-7	anthracene	20U
(79B)	191-24-2	benzo(ghi)perylene	40U
(80B)	86-73-7	fluorene	20U
(81B)	85-01-8	phenanthrene	20U
(82B)	53-70-3	dibenzo(a,h)anthracene	40U
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	40U
(84B)	129-00-0	pyrene	20U
	62-53-3	aniline	20U
	100-51-6	benzyl alcohol	[illegible]
	106-47-8	4-chloroaniline	100U
	132-64-9	dibenzofuran	20U
	91-57-6	2-methylnaphthalene	40U
	88-74-4	2-nitroaniline	200U
	99-09-2	3-nitroa	200U

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C4885

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Case No: 2420
Lab Sample ID No: 2920-1-11
QC Report No:
Sample Matrix: WATER
Contract No.: 68-01-6854
Data Release Authorized By: BJT
Date Sample Received: 2-17-84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

PP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	5U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U
(16V)	75-00-3	chloroethane	5U
(19V)	110-75-8	2-chloroethylvinyl ether	5U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	5U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	10U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	5U
(45V)	74-87-3	chloromethane	5U
(46V)	74-83-9	bromomethane	5U
(47V)	75-25-2	bromoform	5U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	5U
(50V)	75-71-8	dichlorodifluoromethane	5U
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene	5U
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	5U
	67-64-1	acetone	5U
	78-93-3	2-butanone	5U
	75-15-0	carbondisulfide	5U
	519-78-6	2-hexanone	5U
	108-10-1	4-methyl-2-pentanone	5U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-21-84
DATE ANALYZED: 3-10-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR: 1.4

PP #	CAS #		ug/l or ug/k (circle o
(89P)	309-00-2	aldrin	0.1U
(90P)	60-57-1	dieldrin	0.1U
(91P)	57-74-9	chlordane	0.1U
(92P)	50-29-3	4,4'-DDT	0.1U
(93P)	72-55-9	4,4'-DDE	0.1U
(94P)	72-54-8	4,4'-DDD	0.1U
(95P)	115-29-7	α-endosulfan	0.1U
(96P)	115-29-7	β-endosulfan	0.1U
(97P)	1031-07-8	endosulfan sulfate	0.1U
(98P)	72-20-8	endrin	0.1U
(99P)	7421-93-4	endrin aldehyde	0.1U
(100P)	76-44-8	heptachlor	0.1U
(101P)	1024-57-3	heptachlor epoxide	0.1U
(102P)	319-84-6	α-BHC	0.1U
(103P)	319-85-7	β-BHC	0.1U
(104P)	319-86-8	δ-BHC	0.1U
(105P)	58-89-9	γ-BHC (lindane)	0.1U
(106P)	53469-21-9	PCB-1242	0.1U
(107P)	11097-69-1	PCB-1254	0.1U
(108P)	11104-28-2	PCB-1221	0.1U
(109P)	11141-16-5	PCB-1232	0.1U
(110P)	12672-29-6	PCB-1248	0.1U
(111P)	11096-82-5	PCB-1260	0.20 ~~0.1U~~
(112P)	12674-11-2	PCB-1016	0.1U
(113P)	8001-35-2	toxaphene	1.0U ~~0.1U~~

DIOXINS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-21-84
DATE ANALYZED: 3-10-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

000319

PP #	CAS #		ug/l or ug/k (circle or
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.1U

AR000319

December 1

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C-4885

LOW WATER

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Lab Sample ID No: 2220-1-11
Sample Matrix:
Data Release Authorized By: BJS

Case No: 2420
QC Report No:
Contract No.: 68-01-6854
Date Sample Received: 2/17/84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED: 2/23/84
PERCENT MOISTURE:

PP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(6V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	5U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U
(16V)	75-00-3	chloroethane	5U
(19V)	110-75-8	2-chloroethylvinyl ether	5U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	5U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	10U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	5U
(45V)	74-87-3	chloromethane	5U
(46V)	74-83-9	bromomethane	5U
(47V)	75-25-2	bromoform	5U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	5U
(50V)	75-71-8	dichlorodifluoromethane	5U
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene	791 BJS
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	24 BJS
(88V)	75-01-4	vinyl chloride	5U
	67-64-1	acetone	100U
	78-93-3	2-butanone	200U
	75-15-0	carbondisulfide	10U
	519-78-6	2-hexanone	100U
	108-10-1	4-methyl-2-pentanone	100U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	10U
	1330-20-7	total xylenes	5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:

PP #	CAS #		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	0.1
(90P)	60-57-1	dieldrin	0.
(91P)	57-74-9	chlordane	0.
(92P)	50-29-3	4,4'-DDT	0.
(93P)	72-55-9	4,4'-DDE	0.
(94P)	72-54-8	4,4'-DDD	0.
(95P)	115-29-7	α-endosulfan	0.
(96P)	115-29-7	β-endosulfan	0.
(97P)	1031-07-8	endosulfan sulfate	0.
(98P)	72-20-8	endrin	0.
(99P)	7421-93-4	endrin aldehyde	0.
(100P)	76-44-8	heptachlor	0.
(101P)	1024-57-3	heptachlor epoxide	0.
(102P)	319-84-6	α-BHC	0.
(103P)	319-85-7	β-BHC	0.
(104P)	319-86-8	δ-BHC	0.
(105P)	58-89-9	γ-BHC (lindane)	0.
(106P)	53469-21-9	PCB-1242	0.
(107P)	11097-69-1	PCB-1254	0.
(108P)	11104-28-2	PCB-1221	0.
(109P)	11141-16-5	PCB-1232	0.
(110P)	12672-29-6	PCB-1248	0.
(111P)	11096-82-5	PCB-1260	0.
(112P)	12674-11-2	PCB-1016	0.
(113P)	8001-35-2	toxaphene	0.

000320

DIOXINS

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:

PP #	CAS #		ug/l or ug/kg (circle one)
(120D)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.

AR000320

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C-4885

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Case No: 2420
Lab Sample ID No: 2920- 1-11
QC Report No:
Sample Matrix: WATER
Contract No.: 68-01-6854
Data Release Authorized By: BJT
Date Sample Received: 2-17-84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-22-84
DATE ANALYZED: 3-8-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR: 1

PP #	CAS #		(ug/l or ug/kg) (circle one)
21A)	88-06-2	2,4,6- trichlorophenol	20U
(22A)	59-50-7	p-chloro-m-cresol	40U
24A)	95-57-8	2- chlorophenol	20U
31A)	120-83-2	2,4-dichlorophenol	20U
(34A)	105-67-9	2,4-dimethylphenol	20U
57A)	88-75-5	2- nitrophenol	40U
58A)	100-02-7	4-nitrophenol	100U
(59A)	51-28-5	2,4-dinitrophenol	100U
60A)	534-52-1	4,6-dinitro-2-methylphenol	40U
64A)	87-86-5	pentachlorophenol	40U
(65A)	108-95-2	phenol	20U
	65-85-0	benzoic acid	200U
	95-48-7	2-methylphenol	20U
	108-39-4	4-methylphenol	20U
	95-95-4	2,4,5-trichlorophenol	200U
B)	83-32-9	acenaphthene	20U
(5B)	92-87-5	benzidine	80U
1B)	120-82-1	1,2,4-trichlorobenzene	20U
0B)	118-74-1	hexachlorobenzene	20U
(12B)	67-72-1	hexachloroethane	20U
8B)	111-44-4	bis(2-chloroethyl)ether	20U
20B)	91-58-7	2-chloronaphthalene	20U
(25B)	95-50-1	1,2-dichlorobenzene	20U
6B)	541-73-1	1,3-dichlorobenzene	20U
27B)	106-46-7	1,4-dichlorobenzene	20U
(28B)	91-94-1	3,3'-dichlorobenzidine	40U
5B)	121-14-2	2,4-dinitrotoluene	40U
36B)	606-20-2	2,6-dinitrotoluene	40U
37B)	122-66-7	1,2-diphenylhydrazine	40U
9B)	206-44-0	fluoranthene	20U
40B)	7005-72-3	4-chlorophenyl phenyl ether	20U
41B)	101-55-3	4-bromophenyl phenyl ether	20U
2B)	39638-32-9	bis (2-chloroisopropyl) ether	40U
43B)	111-91-1	bis (2-chloroethoxy) methane	40U

PP #	CAS #		(ug/l or ug/kg) (circle one)
(52B)	87-68-3	hexachlorobutadiene	20U
(53B)	77-47-4	hexachlorocyclopentadiene	20U
(54B)	78-59-1	isophorone	20U
(55B)	91-20-3	naphthalene	20U
(56B)	98-95-3	nitrobenzene	20U
(61B)	62-75-9	N-nitrosodimethylamine	20U
(62B)	86-30-6	N-nitrosodiphenylamine	20U
(63B)	621-64-7	N-nitrosodipropylamine	40U
(66B)	117-81-7	bis (2-ethylhexyl) phthalate	20U
(67B)	85-68-7	benzyl butyl phthalate	20U
(68B)	84-74-2	di-n-butyl phthalate	20U
(69B)	117-84-0	di-n-octyl phthalate	20U
(70B)	84-66-2	diethyl phthalate	20U
(71B)	131-11-3	dimethyl phthalate	20U
(72B)	56-55-3	benzo(a)anthracene	20U
(73B)	50-32-8	benzo(a)pyrene	40U
(74B)	205-99-2	benzo(b)fluoranthene	40U
(75B)	207-08-9	benzo(k)fluoranthene	40U
(76B)	218-01-9	chrysene	20U
(77B)	208-96-8	acenaphthylene	20U
(78B)	120-12-7	anthracene	20U
(79B)	191-24-2	benzo(ghi)perylene	40U
(80B)	86-73-7	fluorene	20U
(81B)	85-01-8	phenanthrene	20U
(82B)	53-70-3	dibenzo(a,h)anthracene	40U
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	40U
(84B)	129-00-0	pyrene	20U
	62-53-3	aniline	20U
	100-51-6	benzyl alcohol	40U
	106-47-8	4-chloroaniline	100U
	132-64-9	dibenzofuran	20U
	91-57-6	2-met	40U
	88-74-4	2-nitr	200U
	99-09-2	3-nitr	

000321

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U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C4836

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Case No: 2420
Lab Sample ID No: 2920-1-10
QC Report No:
Sample Matrix: WATER
Contract No.: 68-01-6854
Data Release Authorized By: BJT
Date Sample Received: 2-17-84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

PP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	5U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U
(16V)	75-00-3	chloroethane	5U
(19V)	110-75-8	2-chloroethylvinyl ether	5U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	5U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	10U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	5U
(45V)	74-87-3	chloromethane	5U
(46V)	74-83-9	bromomethane	5U
(47V)	75-25-2	bromoform	5U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	5U
(50V)	75-71-8	dichlorodifluoromethane	5U
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene	5U
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	5U
	67-64-1	acetone	5U
	78-93-3	2-butanone	5U
	75-15-0	carbondisulfide	5U
	519-78-6	2-hexanone	5U
	108-10-1	4-methyl-2-pentanone	5U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-21-84
DATE ANALYZED: 3-10-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

PP #	CAS #		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	0.1U
(90P)	60-57-1	dieldrin	0.1U
(91P)	57-74-9	chlordane	0.1U
(92P)	50-29-3	4,4'-DDT	0.1U
(93P)	72-55-9	4,4'-DDE	0.1U
(94P)	72-54-8	4,4'-DDD	0.1U
(95P)	115-29-7	α-endosulfan	0.1U
(96P)	115-29-7	β-endosulfan	0.1U
(97P)	1031-07-8	endosulfan sulfate	0.1U
(98P)	72-20-8	endrin	0
(99P)	7421-93-4	endrin aldehyde	0.
(100P)	76-44-8	heptachlor	0.1U
(101P)	1024-57-3	heptachlor epoxide	0.1U
(102P)	319-84-6	α-BHC	0.1U
(103P)	319-85-7	β-BHC	0.1U
(104P)	319-86-8	δ-BHC	0.1U
(105P)	58-89-9	γ-BHC (lindane)	0.1U
(106P)	53469-21-9	PCB-1242	0.1U
(107P)	11097-69-1	PCB-1254	0.1U
(108P)	11104-28-2	PCB-1221	0.1U
(109P)	11141-16-5	PCB-1232	0.1U
(110P)	12672-29-6	PCB-1248	0.1U
(111P)	11096-82-5	PCB-1260	0.1U
(112P)	12674-11-2	PCB-1016	0.1U
(113P)	8001-35-2	toxaphene	0.9 U ~~0.1U~~

000322

DIOXINS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-21-84
DATE ANALYZED: 3-10-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

PP #	CAS #		ug/l or ug/kg (circle one)
(129B)	1746-01-6	2,3,7,8-TCDD	0.1U

P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number C-4836

LOW WATER

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Case No: 2420
Lab Sample ID No: 2920-1-10
QC Report No:
Sample Matrix:
Contract No.: 68-01-6854
Data Release Authorized By: BJS
Date Sample Received: 2/17/84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED: 2/23/84
PERCENT MOISTURE:

PP #	CAS #		(ug/l or ug/kg) (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	5U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U
(16V)	75-00-3	chloroethane	5U
(19V)	110-75-8	2-chloroethylvinyl ether	5U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	5U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	10U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	5U
(45V)	74-87-3	chloromethane	5U
(46V)	74-83-9	bromomethane	5U
(47V)	75-25-2	bromoform	5U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	5U
(50V)	75-71-8	dichlorodifluoromethane	5U
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene 5 5U BJS	
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	5U
	67-64-1	acetone	100U
	78-93-3	2-butanone	200U
	75-15-0	carbondisulfide	10U
	519-78-6	2-hexanone	100U
	108-10-1	4-methyl-2-pentanone	100U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	10U
	1330-20-7	total xylenes	5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:

PP #	CAS #		(ug/l or ug/kg) (circle one)
(89P)	309-00-2	aldrin	0.1U
(90P)	60-57-1	dieldrin	0.1U
(91P)	57-74-9	chlordane	0.1U
(92P)	50-29-3	4,4'-DDT	0.1U
(93P)	72-55-9	4,4'-DDE	0.1U
(94P)	72-54-8	4,4'-DDD	0.1U
(95P)	115-29-7	α-endosulfan	0.1U
(96P)	115-29-7	β-endosulfan	0.1U
(97P)	1031-07-8	endosulfan sulfate	0.1U
(98P)	72-20-8	endrin	0.1U
(99P)	7421-93-4	endrin aldehyde	0.1U
(100P)	76-44-8	heptachlor	0.1U
(101P)	1024-57-3	heptachlor epoxide	0.1U
(102P)	319-84-6	α-BHC	0.1U
(103P)	319-85-7	β-BHC	0.1U
(104P)	319-86-8	δ-BHC	0.1U
(105P)	58-89-9	γ-BHC (lindane)	0.1U
(106P)	53469-21-9	PCB-1242	0.1U
(107P)	11097-69-1	PCB-1254	0.1U
(108P)	11104-28-2	PCB-1221	0.1U
(109P)	11141-16-5	PCB-1232	0.1U
(110P)	12672-29-6	PCB-1248	0.1U
(111P)	11096-82-5	PCB-1260	0.1U
(112P)	12674-11-2	PCB-1016	0.1U
(113P)	8001-35-2	toxaphene	0.1U

DIOXINS

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:

PP #	CAS #		(ug/l or ug/kg) (circle
(120S)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.1

July 1

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C-4836

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Case No: 2420
Lab Sample ID No: 2920- 1-10
QC Report No:
Sample Matrix: WATER
Contract No.: 68-01-6854
Data Release Authorized By: BJT
Date Sample Received: 2-17-84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-22-84
DATE ANALYZED: 3-8-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR: 1

PP #	CAS #		ug/l or ug/kg (circle one)
21A)	88-06-2	2,4,6- trichlorophenol	20U
(22A)	59-50-7	p-chloro-m-cresol	40U
(24A)	95-57-8	2- chlorophenol	20U
31A)	120-83-2	2,4-dichlorophenol	20U
(34A)	105-67-9	2,4-dimethylphenol	20U
(57A)	88-75-5	2- nitrophenol	40U
58A)	100-02-7	4-nitrophenol	100U
(59A)	51-28-5	2,4-dinitrophenol	100U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	40U
64A)	87-86-5	pentachlorophenol	40U
(65A)	108-95-2	phenol	20U
	65-85-0	benzoic acid	200U
	95-48-7	2-methylphenol	20U
	108-39-4	4-methylphenol	20U
	95-95-4	2,4,5-trichlorophenol	200U
B)	83-32-9	acenaphthene	20U
5B)	92-87-5	benzidine	80U
B)	120-82-1	1,2,4-trichlorobenzene	20U
B)	118-74-1	hexachlorobenzene	20U
12B)	67-72-1	hexachloroethane	20U
8B)	111-44-4	bis(2-chloroethyl)ether	20U
0B)	91-58-7	2-chloronaphthalene	20U
25B)	95-50-1	1,2-dichlorobenzene	20U
6B)	541-73-1	1,3-dichlorobenzene	20U
7B)	106-46-7	1,4-dichlorobenzene	20U
28B)	91-94-1	3,3'-dichlorobenzidine	40U
5B)	121-14-2	2,4-dinitrotoluene	40U
6B)	606-20-2	2,6-dinitrotoluene	40U
37B)	122-66-7	1,2-diphenylhydrazine	40U
9B)	206-44-0	fluoranthene	20U
0B)	7005-72-3	4-chlorophenyl phenyl ether	20U
1B)	101-55-3	4-bromophenyl phenyl ether	20U
2B)	39638-32-9	bis (2-chloroisopropyl) ether	40U
3B)	111-91-1	bis (2-chloroethoxy) methane	40U

PP #	CAS #		ug/l or ug/kg (circle on
(52B)	87-68-3	hexachlorobutadiene	20U
(53B)	77-47-4	hexachlorocyclopentadiene	20U
(54B)	78-59-1	isophorone	20U
(55B)	91-20-3	naphthalene	20U
(56B)	98-95-3	nitrobenzene	20U
(61B)	62-75-9	N-nitrosodimethylamine	2
(62B)	86-30-6	N-nitrosodiphenylamine	20U
(63B)	621-64-7	N-nitrosodipropylamine	40U
(66B)	117-81-7	bis (2-ethylhexyl) phthalate	20U
(67B)	85-68-7	benzyl butyl phthalate	20U
(68B)	84-74-2	di-n-butyl phthalate	20U
(69B)	117-84-0	di-n-octyl phthalate	20U
(70B)	84-66-2	diethyl phthalate	20U
(71B)	131-11-3	dimethyl phthalate	20U
(72B)	56-55-3	benzo(a)anthracene	20U
(73B)	50-32-8	benzo(a)pyrene	40U
(74B)	205-99-2	benzo(b)fluoranthene	40U
(75B)	207-08-9	benzo(k)fluoranthene	40U
(76B)	218-01-9	chrysene	20U
(77B)	208-96-8	acenaphthylene	20U
(78B)	120-12-7	anthracene	20U
(79B)	191-24-2	benzo(ghi)perylene	40U
(80B)	86-73-7	fluorene	20U
(81B)	85-01-8	phenanthrene	20U
(82B)	53-70-3	dibenzo(a,h)anthracene	40U
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	40U
(84B)	129-00-0	pyrene	20U
	62-53-3	aniline	2
	100-51-6	benzyl alcohol	40U
	106-47-8	4-chloroaniline	100U
	132-64-9	dibenzofuran	20U
	91-57-6	2-methylnaphthalene	40U
	88-74-4	2-nitroaniline	200U
	99-09-2	3-nit	200U

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C4835

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Case No: 1420
Lab Sample ID No: 2920-1-9
QC Report No:
Sample Matrix: WATER
Contract No.: 68-01-6854
Data Release Authorized By: BJT
Date Sample Received: 2-17-84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

PP #	CAS #		(ug/l or ug/kg) (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	5U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U
(16V)	75-00-3	chloroethane	5U
(19V)	110-75-8	2-chloroethylvinyl ether	5U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	5U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	10U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	5U
(45V)	74-87-3	chloromethane	5U
(46V)	74-83-9	bromomethane	5U
(47V)	75-25-2	bromoform	5U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	5U
(50V)	75-71-8	dichlorodifluoromethane	5U
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene	5U
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	5U
	67-64-1	acetone	5U
	78-93-3	2-butanone	5U
	75-15-0	carbondisulfide	5U
	519-78-6	2-hexanone	5U
	108-10-1	4-methyl-2-pentanone	5U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	5U
	1330-20-7	xylene (total)	5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 1-21-84
DATE ANALYZED: 3-9-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

PP #	CAS #		(ug/l or ug/kg) (circle one)
(89P)	309-00-2	aldrin	0.1U
(90P)	60-57-1	dieldrin	0.1U
(91P)	57-74-9	chlordane	0.1U
(92P)	50-29-3	4,4'-DDT	0.1U
(93P)	72-55-9	4,4'-DDE	0.1U
(94P)	72-54-8	4,4'-DDD	0.1U
(95P)	115-29-7	α-endosulfan	0.1U
(96P)	115-29-7	β-endosulfan	0.1U
(97P)	1031-07-8	endosulfan sulfate	0.1U
(98P)	72-20-8	endrin	0.1U
(99P)	7421-93-4	endrin aldehyde	0.1U
(100P)	76-44-8	heptachlor	0.1U
(101P)	1024-57-3	heptachlor epoxide	0.1U
(102P)	319-84-6	α-BHC	0.1U
(103P)	319-85-7	β-BHC	0.1U
(104P)	319-86-8	δ-BHC	0.1U
(105P)	58-89-9	γ-BHC (lindane)	0.1U
(106P)	53469-21-9	PCB-1242	0.2U ~~0.1U~~
(107P)	11097-69-1	PCB-1254	0.4U ~~0.1U~~
(108P)	11104-28-2	PCB-1221	0.3U ~~0.1U~~
(109P)	11141-16-5	PCB-1232	0.3U ~~0.1U~~
(110P)	12672-29-6	PCB-1248	0.2U ~~0.1U~~
(111P)	11096-82-5	PCB-1260	0.7U ~~0.1U~~
(112P)	12674-11-2	PCB-1016	0.1U
(113P)	8001-35-2	toxaphene	4.0U ~~0.1U~~

DIOXINS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 1-21-84
DATE ANALYZED: 3-9-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

000325

PP #	CAS #		(ug/l or ug/kg) (circle one)
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.1U

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C-4835
LOW WATER

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Lab Sample ID No: 2920-1-9
Sample Matrix:
Data Release Authorized By: BFT

Case No: 2420
QC Report No:
Contract No.: 68-01-6854
Date Sample Received: 2/17/84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:

PP #	CAS #		(ug/l or ug/kg) (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	5U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	58 5U BFT
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U
(16V)	75-00-3	chloroethane	5U
(19V)	110-75-8	2-chloroethylvinyl ether	5U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	113 5U BFT
(32V)	78-87-5	1,2-dichloropropane	5U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	10U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	5U
(45V)	74-87-3	chloromethane	5U
(46V)	74-83-9	bromomethane	5U
(47V)	75-25-2	bromoform	5U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	5U
(50V)	75-71-8	dichlorodifluoromethane	5U
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene	200 5U BFT
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	66 5U BFT
(88V)	75-01-4	vinyl chloride	13 5U BFT
	67-64-1	acetone	100U
	78-93-3	2-butanone	200U
	75-15-0	carbondisulfide	10U
	519-78-6	2-hexanone	100U
	108-10-1	4-methyl-2-pentanone	100U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	10U
	1330-20-7	total xylenes	5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:

PP #	CAS #		(ug/l or ug/kg) (circle one)
(89P)	309-00-2	aldrin	0.1U
(90P)	60-57-1	dieldrin	0.1U
(91P)	57-74-9	chlordane	0.1U
(92P)	50-29-3	4,4'-DDT	0.1U
(93P)	72-55-9	4,4'-DDE	0.1U
(94P)	72-54-8	4,4'-DDD	0.1U
(95P)	115-29-7	α-endosulfan	0.1U
(96P)	115-29-7	β-endosulfan	0.1U
(97P)	1031-07-8	endosulfan sulfate	0.1U
(98P)	72-20-8	endrin	0.1U
(99P)	7421-93-4	endrin aldehyde	0.1U
(100P)	76-44-8	heptachlor	0.1U
(101P)	1024-57-3	heptachlor epoxide	0.1U
(102P)	319-84-6	α-BHC	0.1U
(103P)	319-85-7	β-BHC	0.1U
(104P)	319-86-8	δ-BHC	0.1U
(105P)	58-89-9	γ-BHC (lindane)	0.1U
(106P)	53469-21-9	PCB-1242	0.1U
(107P)	11097-69-1	PCB-1254	0.1U
(108P)	11104-28-2	PCB-1221	0.1U
(109P)	11141-16-5	PCB-1232	0.1U
(110P)	12672-29-6	PCB-1248	0.1U
(111P)	11096-82-5	PCB-1260	0.1U
(112P)	12674-11-2	PCB-1016	0.1U
(113P)	8001-35-2	toxaphene	0.1U

000326

DIOXINS

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:

PP #	CAS #		(ug/l or ug/kg) (circle one)
(129P)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.1U

July

AR000326

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C-4835

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Case No: 2420
Lab Sample ID No: 2920- 1-9
QC Report No:
Sample Matrix: WATER
Contract No.: 68-01-6854
Data Release Authorized By: BJT
Date Sample Received: 2-17-84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-22-84
DATE ANALYZED: 3-8-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR: 1

PP #	CAS #		(ug/l or ug/kg) (circle one)
21A)	88-06-2	2,4,6- trichlorophenol	20U
22A)	59-50-7	p-chloro-m-cresol	40U
(24A)	95-57-8	2- chlorophenol	20U
31A)	120-83-2	2,4-dichlorophenol	20U
34A)	105-67-9	2,4-dimethylphenol	23 ~~200~~ BJT
(57A)	88-75-5	2- nitrophenol	40U
58A)	100-02-7	4-nitrophenol	100U
59A)	51-28-5	2,4-dinitrophenol	100U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	40U
64A)	87-86-5	pentachlorophenol	40U
(65A)	108-95-2	phenol	20U
	65-85-0	benzoic acid	200U
	95-48-7	2-methylphenol	20U
	108-39-4	4-methylphenol	20 ~~200~~ BJT
	95-95-4	2,4,5-trichlorophenol	200U
B)	83-32-9	acenaphthene	20U
5B)	92-87-5	benzidine	80U
"B)	120-82-1	1,2,4-trichlorobenzene	20U
B)	118-74-1	hexachlorobenzene	20U
12B)	67-72-1	hexachloroethane	20U
8B)	111-44-4	bis(2-chloroethyl)ether	20U
0B)	91-58-7	2-chloronaphthalene	20U
25B)	95-50-1	1,2-dichlorobenzene	20U
6B)	541-73-1	1,3-dichlorobenzene	20U
7B)	106-46-7	1,4-dichlorobenzene	20U
28B)	91-94-1	3,3'-dichlorobenzidine	40U
5B)	121-14-2	2,4-dinitrotoluene	40U
5B)	606-20-2	2,6-dinitrotoluene	40U
17B)	122-66-7	1,2-diphenylhydrazine	40U
9B)	206-44-0	fluoranthene	20U
)B)	7005-72-3	4-chlorophenyl phenyl ether	20U
1B)	101-55-3	4-bromophenyl phenyl ether	20U
2B)	39638-32-9	bis (2-chloroisopropyl) ether	40U
)B)	111-91-1	bis (2-chloroethoxy) methane	40U

PP #	CAS #		(ug/l or ug/kg) (circle one)
(52B)	87-68-3	hexachlorobutadiene	20U
(53B)	77-47-4	hexachlorocyclopentadiene	20U
(54B)	78-59-1	isophorone	20U
(55B)	91-20-3	naphthalene	20U
(56B)	98-95-3	nitrobenzene	20U
(61B)	62-75-9	N-nitrosodimethylamine	20U
(62B)	86-30-6	N-nitrosodiphenylamine	20U
(63B)	621-64-7	N-nitrosodipropylamine	40U
(66B)	117-81-7	bis (2-ethylhexyl) phthalate	1143 ~~200~~
(67B)	85-68-7	benzyl butyl phthalate	20U
(68B)	84-74-2	di-n-butyl phthalate	20U
(69B)	117-84-0	di-n-octyl phthalate	45 ~~200~~
(70B)	84-66-2	diethyl phthalate	20U
(71B)	131-11-3	dimethyl phthalate	20U
(72B)	56-55-3	benzo(a)anthracene	20U
(73B)	50-32-8	benzo(a)pyrene	40U
(74B)	205-99-2	benzo(b)fluoranthene	40U
(75B)	207-08-9	benzo(k)fluoranthene	40U
(76B)	218-01-9	chrysene	20U
(77B)	208-96-8	acenaphthylene	20U
(78B)	120-12-7	anthracene	20U
(79B)	191-24-2	benzo(ghi)perylene	40U
(80B)	86-73-7	fluorene	20U
(81B)	85-01-8	phenanthrene	20U
(82B)	53-70-3	dibenzo(a,h)anthracene	40U
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	40U
(84B)	129-00-0	pyrene	20U
	62-53-3	aniline	20U
	100-51-6	benzyl alcohol	40U
	106-47-8	4-chloroaniline	100U
	132-64-9	dibenzofuran	20U
	91-57-6	2-methylnaphthalene	40U
	88-74-4	2-nitro	200U
	99-09-2	3-nitro	200U

000327

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U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C4834

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Case No: 2420
Lab Sample ID No: 2920-1-B
QC Report No:
Sample Matrix: WATER
Contract No.: 68-01-6854
Data Release Authorized By: BJT
Date Sample Received: 1-17-84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

PP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	5U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U
(16V)	75-00-3	chloroethane	5U
(19V)	110-75-8	2-chloroethylvinyl ether	5U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	5U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	10U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	5U
(45V)	74-87-3	chloromethane	5U
(46V)	74-83-9	bromomethane	5U
(47V)	75-25-2	bromoform	5U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	5U
(50V)	75-71-8	dichlorodifluoromethane	5U
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene	5U
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	5U
	67-64-1	acetone	5U
	78-93-3	2-butanone	5U
	75-15-0	carbondisulfide	5U
	519-78-6	2-hexanone	5U
	108-10-1	4-methyl-2-pentanone	5U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 1-21-84
DATE ANALYZED: 3-9-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

PP #	CAS #		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	0.1U
(90P)	60-57-1	dieldrin	0.1U
(91P)	57-74-9	chlordane	0.1U
(92P)	50-29-3	4,4'-DDT	0.1U
(93P)	72-55-9	4,4'-DDE	0.1U
(94P)	72-54-8	4,4'-DDD	0.1U
(95P)	115-29-7	α-endosulfan	0.1U
(96P)	115-29-7	β-endosulfan	0.1U
(97P)	1031-07-8	endosulfan sulfate	0.1U
(98P)	72-20-8	endrin	0
(99P)	7421-93-4	endrin aldehyde	0.1U
(100P)	76-44-8	heptachlor	0.1U
(101P)	1024-57-3	heptachlor epoxide	0.1U
(102P)	319-84-6	α-BHC	0.1U
(103P)	319-85-7	β-BHC	0.1U
(104P)	319-86-8	δ-BHC	0.1U
(105P)	58-89-9	γ-BHC (lindane)	0.1U
(106P)	53469-21-9	PCB-1242	0.2U ~~0.1U~~
(107P)	11097-69-1	PCB-1254	0.5U ~~0.1U~~
(108P)	11104-28-2	PCB-1221	0.3U ~~0.1U~~
(109P)	11141-16-5	PCB-1232	0.4U ~~0.1U~~
(110P)	12672-29-6	PCB-1248	0.3U ~~0.1U~~
(111P)	11096-82-5	PCB-1260	0.7U ~~0.1U~~
(112P)	12674-11-2	PCB-1016	0.2U ~~0.1U~~
(113P)	8001-35-2	toxaphene	4.0U ~~0.1U~~

000323

DIOXINS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 1-21-84
DATE ANALYZED: 3-9-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

PP #	CAS #		ug/l or ug/kg (circle one)
(1298)	1746-01-6	2,3,7,8-	

AR000328

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C-4834
LOW WATER

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Lab Sample ID No: 2920-1-8
Sample Matrix:
Data Release Authorized By: BFS

Case No: 2420
QC Report No:
Contract No.: 68-01-6854
Date Sample Received: 2/17/84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED: 2/22/84
PERCENT MOISTURE:

CRP #	CAS #		ug/l or ug/kg (circle one)	
(2V)	107-02-8	acrolein	100U	
(3V)	107-13-1	acrylonitrile	100U	
(4V)	71-43-2	benzene	5U	
(6V)	56-23-5	carbon tetrachloride	5U	
(7V)	108-90-7	chlorobenzene	5U	
(10V)	107-06-2	1,2-dichloroethane	5U	
(11V)	71-55-6	1,1,1-trichloroethane	5U	
(13V)	75-34-3	1,1-dichloroethane	5U	
(14V)	79-00-5	1,1,2-trichloroethane	5U	
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U	
(16V)	75-00-3	chloroethane	5U	
(19V)	110-75-8	2-chloroethylvinyl ether	5U	
(23V)	67-66-3	chloroform	5U	
(29V)	75-35-4	1,1-dichloroethene	5U	
(30V)	156-60-5	trans-1,2-dichloroethene	18	5U BFS
(32V)	78-87-5	1,2-dichloropropane	5U	
(33V)	10061-02-6	trans-1,3-dichloropropene	5U	
	10061-01-05	cis-1,3-dichloropropene	10U	
(38V)	100-41-4	ethylbenzene	5U	
(44V)	75-09-2	methylene chloride	24	5U BFS
(45V)	74-87-3	chloromethane	5U	
(46V)	74-83-9	bromomethane	5U	
(47V)	75-25-2	bromoform	5U	
(48V)	75-27-4	bromodichloromethane	5U	
(49V)	75-69-4	fluorotrichloromethane	5U	
(50V)	75-71-8	dichlorodifluoromethane	5U	
(51V)	124-48-1	chlorodibromomethane	5U	
(85V)	127-18-4	tetrachloroethene	36	5U BFS
(86V)	108-88-3	toluene	5U	
(87V)	79-01-6	trichloroethene	34	5U BFS
(88V)	75-01-4	vinyl chloride	5U	
	67-64-1	acetone	100U	
	78-93-3	2-butanone	200U	
	75-15-0	carbondisulfide	10U	
	519-78-6	2-hexanone	100U	
	108-10-1	4-methyl-2-pentanone	100U	
	100-42-5	styrene	5U	
	108-05-4	vinyl acetate	10U	
	1330-20-7	total xylenes	5U	

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:

CRP #	CAS #		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	0.1U
(90P)	60-57-1	dieldrin	0.1U
(91P)	57-74-9	chlordane	0.1U
(92P)	50-29-3	4,4'-DDT	0.1U
(93P)	72-55-9	4,4'-DDE	0.1U
(94P)	72-54-8	4,4'-DDD	0.1U
(95P)	115-29-7	α-endosulfan	0.1U
(96P)	115-29-7	β-endosulfan	0.1U
(97P)	1031-07-8	endosulfan sulfate	0.1U
(98P)	72-20-8	endrin	0.1U
(99P)	7421-93-4	endrin aldehyde	0.1U
(100P)	76-44-8	heptachlor	0.1U
(101P)	1024-57-3	heptachlor epoxide	0.1U
(102P)	319-84-6	α-BHC	0.1U
(103P)	319-85-7	β-BHC	0.1U
(104P)	319-86-8	δ-BHC	0.1U
(105P)	58-89-9	γ-BHC (lindane)	0.1U
(106P)	53469-21-9	PCB-1242	0.1U
(107P)	11097-69-1	PCB-1254	0.1U
(108P)	11104-28-2	PCB-1221	0.1U
(109P)	11141-16-5	PCB-1232	0.1U
(110P)	12672-29-6	PCB-1248	0.1U
(111P)	11096-82-5	PCB-1260	0.1U
(112P)	12674-11-2	PCB-1016	0.1U
(113P)	8001-35-2	toxaphene	0.1U

DIOXINS

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:

CRP #	CAS #		ug/l or ug/kg (circle
(129D)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.

July

AR000329

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C-4834

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Case No: 2420
Lab Sample ID No: 2920- 1-8
QC Report No:
Sample Matrix: WATER
Contract No.: 68-01-6854
Data Release Authorized By: BJT
Date Sample Received: 2-17-84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-22-84
DATE ANALYZED:
PERCENT MOISTURE:
CONC./DILUTION FACTOR: 1

PP #	CAS #		ug/l or ug/kg (circle one)
21A)	88-06-2	2,4,6- trichlorophenol	20U
(22A)	59-50-7	p-chloro-m-cresol	40U
'24A)	95-57-8	2- chlorophenol	20U
31A)	120-83-2	2,4-dichlorophenol	20U
(34A)	105-67-9	2,4-dimethylphenol	20U
'37A)	88-75-5	2- nitrophenol	40U
58A)	100-02-7	4-nitrophenol	100U
(59A)	51-28-5	2,4-dinitrophenol	100U
60A)	534-52-1	4,6-dinitro-2-methylphenol	40U
64A)	87-86-5	pentachlorophenol	40U
65A)	108-95-2	phenol	20U
	65-85-0	benzoic acid	200U
	95-48-7	2-methylphenol	20U
	108-39-4	4-methylphenol	20U
	95-95-4	2,4,5-trichlorophenol	200U
1B)	83-32-9	acenaphthene	20U
5B)	92-87-5	benzidine	80U
8)	120-82-1	1,2,4-trichlorobenzene	20U
2B)	118-74-1	hexachlorobenzene	20U
12B)	67-72-1	hexachloroethane	20U
8B)	111-44-4	bis(2-chloroethyl)ether	20U
10B)	91-58-7	2-chloronaphthalene	20U
25B)	95-50-1	1,2-dichlorobenzene	20U
6B)	541-73-1	1,3-dichlorobenzene	20U
7B)	106-46-7	1,4-dichlorobenzene	20U
28B)	91-94-1	3,3'-dichlorobenzidine	40U
5B)	121-14-2	2,4-dinitrotoluene	40U
36B)	606-20-2	2,6-dinitrotoluene	40U
37B)	122-66-7	1,2-diphenylhydrazine	40U
3B)	206-44-0	fluoranthene	20U
10B)	7005-72-3	4-chlorophenyl phenyl ether	20U
1B)	101-55-3	4-bromophenyl phenyl ether	20U
2B)	39638-32-9	bis (2-chloroisopropyl) ether	40U
3B)	111-91-1	bis (2-chloroethoxy) methane	40U

PP #	CAS #		ug/l or ug/kg (circle on)
(52B)	87-68-3	hexachlorobutadiene	20U
(53B)	77-47-4	hexachlorocyclopentadiene	20U
(54B)	78-59-1	isophorone	20U
(55B)	91-20-3	naphthalene	20U
(56B)	98-95-3	nitrobenzene	20U
(61B)	62-75-9	N-nitrosodimethylamine	2
(62B)	86-30-6	N-nitrosodiphenylamine	20U
(63B)	621-64-7	N-nitrosodipropylamine	40U
(66B)	117-81-7	bis (2-ethylhexyl) phthalate	80 20U
(67B)	85-68-7	benzyl butyl phthalate	20U
(68B)	84-74-2	di-n-butyl phthalate	20U
(69B)	117-84-0	di-n-octyl phthalate	20U
(70B)	84-66-2	diethyl phthalate	20U
(71B)	131-11-3	dimethyl phthalate	20U
(72B)	56-55-3	benzo(a)anthracene	20U
(73B)	50-32-8	benzo(a)pyrene	40U
(74B)	205-99-2	benzo(b)fluoranthene	40U
(75B)	207-08-9	benzo(k)fluoranthene	40U
(76B)	218-01-9	chrysene	20U
(77B)	208-96-8	acenaphthylene	20U
(78B)	120-12-7	anthracene	20U
(79B)	191-24-2	benzo(ghi)perylene	40U
(80B)	86-73-7	fluorene	20U
(81B)	85-01-8	phenanthrene	20U
(82B)	53-70-3	dibenzo(a,h)anthracene	40U
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	40U
(84B)	129-00-0	pyrene	20U
	62-53-3	aniline	
	100-51-6	benzyl alcohol	40U
	106-47-8	4-chloroaniline	100U
	132-64-9	dibenzofuran	20U
	91-57-6	2-methylnaphthalene	40U
	88-74-4	2-nitroan	200U
	99-09-2	3-nitroan	200U

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number: C4681

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Case No: 2420
Lab Sample ID No: 2920-1-7
QC Report No:
Sample Matrix: WATER
Contract No.: 68-01-6854
Data Release Authorized By: BJT
Date Sample Received: 2-17-84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

PP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	5U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U
(16V)	75-00-3	chloroethane	5U
(19V)	110-75-8	2-chloroethylvinyl ether	5U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	5U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	10U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	5U
(45V)	74-87-3	chloromethane	5U
(46V)	74-83-9	bromomethane	5U
(47V)	75-25-2	bromoform	5U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	5U
(50V)	75-71-8	dichlorodifluoromethane	5U
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene	5U
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	5U
	67-64-1	acetone	5U
	78-93-3	2-butanone	5U
	75-15-0	carbondisulfide	5U
	519-78-6	2-hexanone	5U
	108-10-1	4-methyl-2-pentanone	5U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-21-84
DATE ANALYZED: 3-9-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

PP #	CAS #		ug/l or ug/kg (circle one)	
(89P)	309-00-2	aldrin	0.1U	
(90P)	60-57-1	dieldrin	0.1U	
(91P)	57-74-9	chlordane	0.6U	~~0.1U~~
(92P)	50-29-3	4,4'-DDT	0.1U	
(93P)	72-55-9	4,4'-DDE	0.1U	
(94P)	72-54-8	4,4'-DDD	0.1U	
(95P)	115-29-7	α-endosulfan	0.1U	
(96P)	115-29-7	β-endosulfan	0.1U	
(97P)	1031-07-8	endosulfan sulfate	0.1U	
(98P)	72-20-8	endrin	0.1U	
(99P)	7421-93-4	endrin aldehyde	0.1U	
(100P)	76-44-8	heptachlor	0.1U	
(101P)	1024-57-3	heptachlor epoxide	0.1U	
(102P)	319-84-6	α-BHC	0.1U	
(103P)	319-85-7	β-BHC	0.1U	
(104P)	319-86-8	δ-BHC	0.1U	
(105P)	58-89-9	γ-BHC (lindane)	0.1U	
(106P)	53469-21-9	PCB-1242	0.7U	~~0.1U~~
(107P)	11097-69-1	PCB-1254	2.0U	~~0.1U~~
(108P)	11104-28-2	PCB-1221	1.0U	~~0.1U~~
(109P)	11141-16-5	PCB-1232	1.0U	~~0.1U~~
(110P)	12672-29-6	PCB-1248	1.0U	~~0.1U~~
(111P)	11096-82-5	PCB-1260	3.0U	~~0.1U~~
(112P)	12674-11-2	PCB-1016	0.6U	~~0.1U~~
(113P)	8001-35-2	toxaphene	13.0U	~~0.1U~~

DIOXINS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-21-84
DATE ANALYZED: 3-8-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

000331

PP #	CAS #	ug/l or ug/kg (circle one)
(129B)	1746-01-6	dioxin 0.1U

AR000331

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C-4681

LOW WATER

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Case No: 2420
Lab Sample ID No: 2990-1-7
QC Report No:
Sample Matrix:
Contract No.: 68-01-6854
Data Release Authorized By: BFS
Date Sample Received: 2/17/84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED: 2/22/84
PERCENT MOISTURE:

PP #	CAS #		(ug/l or ug/kg) (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	5U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U
(16V)	75-00-3	chloroethane	5U
(19V)	110-75-8	2-chloroethylvinyl ether	5U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	5U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	10U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	1080 BFS
(45V)	74-87-3	chloromethane	5U
(46V)	74-83-9	bromomethane	5U
(47V)	75-25-2	bromoform	5U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	5U
(50V)	75-71-8	dichlorodifluoromethane	5U
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene	364 BFS
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	31 BFS
(88V)	75-01-4	vinyl chloride	5U
	67-64-1	acetone	4388 ~~100U~~ BFS
	78-93-3	2-butanone	200U
	75-15-0	carbondisulfide	10U
	519-78-6	2-hexanone	100U
	108-10-1	4-methyl-2-pentanone	100U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	10U
	1330-20-7	total xylenes	5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:

PP #	CAS #		(ug/l or ug/kg) (circle one)
(89P)	309-00-2	aldrin	0.1U
(90P)	60-57-1	dieldrin	0.1U
(91P)	57-74-9	chlordane	0.1U
(92P)	50-29-3	4,4'-DDT	0.1U
(93P)	72-55-9	4,4'-DDE	0.1U
(94P)	72-54-8	4,4'-DDD	0.1U
(95P)	115-29-7	α-endosulfan	0.1U
(96P)	115-29-7	β-endosulfan	0.1U
(97P)	1031-07-8	endosulfan sulfate	0.1U
(98P)	72-20-8	endrin	0.1U
(99P)	7421-93-4	endrin aldehyde	0.1U
(100P)	76-44-8	heptachlor	0.1U
(101P)	1024-57-3	heptachlor epoxide	0.1U
(102P)	319-84-6	α-BHC	0.1U
(103P)	319-85-7	β-BHC	0.1U
(104P)	319-86-8	δ-BHC	0.1U
(105P)	58-89-9	γ-BHC (lindane)	0.1U
(106P)	53469-21-9	PCB-1242	0.1U
(107P)	11097-69-1	PCB-1254	0.1U
(108P)	11104-28-2	PCB-1221	0.1U
(109P)	11141-16-5	PCB-1232	0.1U
(110P)	12672-29-6	PCB-1248	0.1U
(111P)	11096-82-5	PCB-1260	0.1U
(112P)	12674-11-2	PCB-1016	0.1U
(113P)	8001-35-2	toxaphene	0.1U

000332

DIOXINS

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:

PP #	CAS #		(ug/l or ug/kg) (circle one)
(129P)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.1U

AR000332

July

ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C-4681

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Case No: 2420
Lab Sample ID No: 2920- 1-7
QC Report No:
Sample Matrix: WATER
Contract No.: 68-01-6854
Data Release Authorized By: BJT
Date Sample Received: 2-17-84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-22-84
DATE ANALYZED: 3-8-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR: 1

PP #	CAS #		ug/l or ug/kg (circle one)
21A)	88-06-2	2,4,6- trichlorophenol	20U
(22A)	59-50-7	p-chloro-m-cresol	40U
24A)	95-57-8	2- chlorophenol	20U
31A)	120-83-2	2,4-dichlorophenol	20U
(34A)	105-67-9	2,4-dimethylphenol	20U
57A)	88-75-5	2- nitrophenol	40U
58A)	100-02-7	4-nitrophenol	100U
(59A)	51-28-5	2,4-dinitrophenol	100U
60A)	534-52-1	4,6-dinitro-2-methylphenol	40U
64A)	87-86-5	pentachlorophenol	40U
65A)	108-95-2	phenol	20U
	65-85-0	benzoic acid	200U
	95-48-7	2-methylphenol	20U
	108-39-4	4-methylphenol	20U
	95-95-4	2,4,5-trichlorophenol	200U
4B)	83-32-9	acenaphthene	20U
5B)	92-87-5	benzidine	80U
8)	120-82-1	1,2,4-trichlorobenzene	20U
9B)	118-74-1	hexachlorobenzene	20U
12B)	67-72-1	hexachloroethane	20U
8B)	111-44-4	bis(2-chloroethyl)ether	20U
20B)	91-58-7	2-chloronaphthalene	20U
25B)	95-50-1	1,2-dichlorobenzene	20U
6B)	541-73-1	1,3-dichlorobenzene	20U
27B)	106-46-7	1,4-dichlorobenzene	20U
28B)	91-94-1	3,3'-dichlorobenzidine	40U
5B)	121-14-2	2,4-dinitrotoluene	40U
36B)	606-20-2	2,6-dinitrotoluene	40U
37B)	122-66-7	1,2-diphenylhydrazine	40U
9B)	206-44-0	fluoranthene	20U
40B)	7005-72-3	4-chlorophenyl phenyl ether	20U
1B)	101-55-3	4-bromophenyl phenyl ether	20U
2B)	39638-32-9	bis (2-chloroisopropyl) ether	40U
43B)	111-91-1	bis (2-chloroethoxy) methane	40U

PP #	CAS #		ug/l or ug/kg (circle one)
(52B)	87-68-3	hexachlorobutadiene	20U
(53B)	77-47-4	hexachlorocyclopentadiene	20U
(54B)	78-59-1	isophorone	20U
(55B)	91-20-3	naphthalene	20U
(56B)	98-95-3	nitrobenzene	20U
(61B)	62-75-9	N-nitrosodimethylamine	20U
(62B)	86-30-6	N-nitrosodiphenylamine	20U
(63B)	621-64-7	N-nitrosodipropylamine	40U
(66B)	117-81-7	bis (2-ethylhexyl) phthalate	36 ~~20U~~
(67B)	85-68-7	benzyl butyl phthalate	20U
(68B)	84-74-2	di-n-butyl phthalate	20U
(69B)	117-84-0	di-n-octyl phthalate	42 ~~20U~~
(70B)	84-66-2	diethyl phthalate	20U
(71B)	131-11-3	dimethyl phthalate	20U
(72B)	56-55-3	benzo(a)anthracene	20U
(73B)	50-32-8	benzo(a)pyrene	40U
(74B)	205-99-2	benzo(b)fluoranthene	40U
(75B)	207-08-9	benzo(k)fluoranthene	40U
(76B)	218-01-9	chrysene	20U
(77B)	208-96-8	acenaphthylene	20U
(78B)	120-12-7	anthracene	20U
(79B)	191-24-2	benzo(ghi)perylene	40U
(80B)	86-73-7	fluorene	20U
(81B)	85-01-8	phenanthrene	20U
(82B)	53-70-3	dibenzo(a,h)anthracene	40U
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	40U
(84B)	129-00-0	pyrene	20U
	62-53-3	aniline	20U
	100-51-6	benzyl alcohol	40U
	106-47-8	4-chloroaniline	100U
	132-64-9	dibenzofuran	20U
	91-57-6	2-methylnaphthalene	40U
	88-74-4	2-nitroaniline	200U
	99-09-2	3-nitroaniline	200U

000333

AR000333

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C4680

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Case No: 2420
Lab Sample ID No: 2920-1-6
QC Report No:
Sample Matrix: WATER
Contract No.: 68-01-6854
Data Release Authorized By: BJT
Date Sample Received: 1-17-84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

PP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	5U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U
(16V)	75-00-3	chloroethane	5U
(19V)	110-75-8	2-chloroethylvinyl ether	5U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	5U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	10U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	5U
(45V)	74-87-3	chloromethane	5U
(46V)	74-83-9	bromomethane	5U
(47V)	75-25-2	bromoform	5U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	5U
(50V)	75-71-8	dichlorodifluoromethane	5U
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene	5U
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	5U
	67-64-1	acetone	5U
	78-93-3	2-butanone	5U
	75-15-0	carbondisulfide	5U
	519-78-6	2-hexanone	5U
	108-10-1	4-methyl-2-pentanone	5U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 1-21-84
DATE ANALYZED: 3-9-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

PP #	CAS #		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	0.1U
(90P)	60-57-1	dieldrin	0.1U
(91P)	57-74-9	chlordane	0.1U
(92P)	50-29-3	4,4'-DDT	0.1U
(93P)	72-55-9	4,4'-DDE	0.1U
(94P)	72-54-8	4,4'-DDD	0.1U
(95P)	115-29-7	α-endosulfan	0.1U
(96P)	115-29-7	β-endosulfan	0.1U
(97P)	1031-07-8	endosulfan sulfate	0.1U
(98P)	72-20-8	endrin	0.1U
(99P)	7421-93-4	endrin aldehyde	0.1U
(100P)	76-44-8	heptachlor	0.1U
(101P)	1024-57-3	heptachlor epoxide	0.1U
(102P)	319-84-6	α-BHC	0.1U
(103P)	319-85-7	β-BHC	0.1U
(104P)	319-86-8	δ-BHC	0.1U
(105P)	58-89-9	γ-BHC (lindane)	0.1U
(106P)	53469-21-9	PCB-1242	0.1U
(107P)	11097-69-1	PCB-1254	0.2U ~~0.1U~~
(108P)	11104-28-2	PCB-1221	0.1U
(109P)	11141-16-5	PCB-1232	0.1U
(110P)	12672-29-6	PCB-1248	0.1U
(111P)	11096-82-5	PCB-1260	0.3U ~~0.1U~~
(112P)	12674-11-2	PCB-1016	0.1U
(113P)	8001-35-2	toxaphene	2.0U ~~0.1U~~

00033

DIOXINS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-21-84
DATE ANALYZED: 3-9-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

PP #	CAS #		ug/l or ug/kg (circle one)
(129D)	1746-01-6	2,3	0.1U

AR000334

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Offices
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C-4680

LOW WATER

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Lab Sample ID No: 2980-1-6
Sample Matrix:
Data Release Authorized By: BJS

Case No: 2430
QC Report No:
Contract No.: 68-01-6854
Date Sample Received: 2/17/84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED: 2/22/84
PERCENT MOISTURE:

PP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	5U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U
(16V)	75-00-3	chloroethane	5U
(19V)	110-75-8	2-chloroethylvinyl ether	5U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	5U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	10U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	10 5U BJS
(45V)	74-87-3	chloromethane	5U
(46V)	74-83-9	bromomethane	5U
(47V)	75-25-2	bromoform	5U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	5U
(50V)	75-71-8	dichlorodifluoromethane	5U
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene	9 5U BJS
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	5U
	67-64-1	acetone	100U
	78-93-3	2-butanone	200U
	75-15-0	carbondisulfide	10U
	519-78-6	2-hexanone	100U
	108-10-1	4-methyl-2-pentanone	100U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	10U
	1330-20-7	total xylenes	5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:

PP #	CAS #		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	0.1U
(90P)	60-57-1	dieldrin	0.1U
(91P)	57-74-9	chlordane	0.1U
(92P)	50-29-3	4,4'-DDT	0.1U
(93P)	72-55-9	4,4'-DDE	0.1U
(94P)	72-54-8	4,4'-DDD	0.1U
(95P)	115-29-7	α-endosulfan	0.1U
(96P)	115-29-7	β-endosulfan	0.1U
(97P)	1031-07-8	endosulfan sulfate	0.1U
(98P)	72-20-8	endrin	0.1U
(99P)	7421-93-4	endrin aldehyde	0.1U
(100P)	76-44-8	heptachlor	0.1U
(101P)	1024-57-3	heptachlor epoxide	0.1U
(102P)	319-84-6	α-BHC	0.1U
(103P)	319-85-7	β-BHC	0.1U
(104P)	319-86-8	δ-BHC	0.1U
(105P)	58-89-9	γ-BHC (lindane)	0.1U
(106P)	53469-21-9	PCB-1242	0.1U
(107P)	11097-69-1	PCB-1254	0.1U
(108P)	11104-28-2	PCB-1221	0.1U
(109P)	11141-16-5	PCB-1232	0.1U
(110P)	12672-29-6	PCB-1248	0.1U
(111P)	11096-82-5	PCB-1260	0.1U
(112P)	12674-11-2	PCB-1016	0.1U
(113P)	8001-35-2	toxaphene	0.1U

DIOXINS

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:

PP #	CAS #		ug/l or ug/kg (circle one)
(129D)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0..

July

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C-4680

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Case No: 2420
Lab Sample ID No: 2920- 1-6
QC Report No:
Sample Matrix: WATER
Contract No.: 68-01-6854
Data Release Authorized By: BJT
Date Sample Received: 2-17-84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-22-84
DATE ANALYZED: 3-8-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR: 1

PP #	CAS #		ug/l or ug/kg (circle one)
21A)	88-06-2	2,4,6- trichlorophenol	20U
22A)	59-50-7	p-chloro-m-cresol	40U
(24A)	95-57-8	2- chlorophenol	20U
31A)	120-83-2	2,4-dichlorophenol	20U
34A)	105-67-9	2,4-dimethylphenol	20U
(37A)	88-75-5	2- nitrophenol	40U
38A)	100-02-7	4-nitrophenol	100U
39A)	51-28-5	2,4-dinitrophenol	100U
40A)	534-52-1	4,6-dinitro-2-methylphenol	40U
64A)	87-86-5	pentachlorophenol	40U
65A)	108-95-2	phenol	20U
	65-85-0	benzoic acid	200U
	95-48-7	2-methylphenol	20U
	108-39-4	4-methylphenol	20U
	95-95-4	2,4,5-trichlorophenol	200U
3B)	83-32-9	acenaphthene	20U
5B)	92-87-5	benzidine	80U
7B)	120-82-1	1,2,4-trichlorobenzene	20U
8B)	118-74-1	hexachlorobenzene	20U
12B)	67-72-1	hexachloroethane	20U
16B)	111-44-4	bis(2-chloroethyl)ether	20U
20B)	91-58-7	2-chloronaphthalene	20U
25B)	95-50-1	1,2-dichlorobenzene	20U
26B)	541-73-1	1,3-dichlorobenzene	20U
29B)	106-46-7	1,4-dichlorobenzene	20U
28B)	91-94-1	3,3'-dichlorobenzidine	40U
34B)	121-14-2	2,4-dinitrotoluene	40U
35B)	606-20-2	2,6-dinitrotoluene	40U
37B)	122-66-7	1,2-diphenylhydrazine	40U
41B)	206-44-0	fluoranthene	20U
42B)	7005-72-3	4-chlorophenyl phenyl ether	20U
43B)	101-55-3	4-bromophenyl phenyl ether	20U
44B)	39638-32-9	bis (2-chloroisopropyl) ether	40U
45B)	111-91-1	bis (2-chloroethoxy) methane	40U

PP #	CAS #		ug/l or ug/kg (circle one)
(52B)	87-68-3	hexachlorobutadiene	20U
(53B)	77-47-4	hexachlorocyclopentadiene	20U
(54B)	78-59-1	isophorone	20U
(55B)	91-20-3	naphthalene	20U
(56B)	98-95-3	nitrobenzene	20U
(61B)	62-75-9	N-nitrosodimethylamine	2
(62B)	86-30-6	N-nitrosodiphenylamine	20U
(63B)	621-64-7	N-nitrosodipropylamine	40U
(66B)	117-81-7	bis (2-ethylhexyl) phthalate	20U
(67B)	85-68-7	benzyl butyl phthalate	20U
(68B)	84-74-2	di-n-butyl phthalate	20U
(69B)	117-84-0	di-n-octyl phthalate	20U
(70B)	84-66-2	diethyl phthalate	20U
(71B)	131-11-3	dimethyl phthalate	20U
(72B)	56-55-3	benzo(a)anthracene	20U
(73B)	50-32-8	benzo(a)pyrene	40U
(74B)	205-99-2	benzo(b)fluoranthene	40U
(75B)	207-08-9	benzo(k)fluoranthene	40U
(76B)	218-01-9	chrysene	20U
(77B)	208-96-8	acenaphthylene	20U
(78B)	120-12-7	anthracene	20U
(79B)	191-24-2	benzo(ghi)perylene	40U
(80B)	86-73-7	fluorene	20U
(81B)	85-01-8	phenanthrene	20U
(82B)	53-70-3	dibenzo(a,h)anthracene	40U
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	40U
(84B)	129-00-0	pyrene	20U
	62-53-3	aniline	2
	100-51-6	benzyl alcohol	40U
	106-47-8	4-chloroaniline	100U
	132-64-9	dibenzofuran	20U
	91-57-6	2-methylnaphthalene	40U
	88-74-4	2-nit	200U
	99-09-2	3-nit	200U

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number C4679

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Case No: 2420
Lab Sample ID No: 2920-1-5
QC Report No:
Sample Matrix: WATER
Contract No.: 68-01-6854
Data Release Authorized By: BJT
Date Sample Received: 2-17-84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

PP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	5U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U
(16V)	75-00-3	chloroethane	5U
(19V)	110-75-8	2-chloroethylvinyl ether	5U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	5U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	10U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	5U
(45V)	74-87-3	chloromethane	5U
(46V)	74-83-9	bromomethane	5U
(47V)	75-25-2	bromoform	5U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	5U
(50V)	75-71-8	dichlorodifluoromethane	5U
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene	5U
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	5U
	67-64-1	acetone	5U
	78-93-3	2-butanone	5U
	75-15-0	carbondisulfide	5U
	519-78-6	2-hexanone	5U
	108-10-1	4-methyl-2-pentanone	5U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	5U
			5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-21-84
DATE ANALYZED: 3-12-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

PP #	CAS #		ug/l or ug (circle)
(89P)	309-00-2	aldrin	0.1
(90P)	60-57-1	dieldrin	0.1
(91P)	57-74-9	chlordane	0.1
(92P)	50-29-3	4,4'-DDT	0.1
(93P)	72-55-9	4,4'-DDE	0.1
(94P)	72-54-8	4,4'-DDD	0.1
(95P)	115-29-7	α-endosulfan	0.1
(96P)	115-29-7	β-endosulfan	0.1
(97P)	1031-07-8	endosulfan sulfate	0.2 ~~0.1~~
(98P)	72-20-8	endrin	0.1
(99P)	7421-93-4	endrin aldehyde	0.1
(100P)	76-44-8	heptachlor	0.1
(101P)	1024-57-3	heptachlor epoxide	0.1
(102P)	319-84-6	α-BHC	0.1
(103P)	319-85-7	β-BHC	0.1
(104P)	319-86-8	δ-BHC	0.1
(105P)	58-89-9	γ-BHC (lindane)	0.1
(106P)	53469-21-9	PCB-1242	0.3U ~~0.1~~
(107P)	11097-69-1	PCB-1254	0.2U ~~0.1~~
(108P)	11104-28-2	PCB-1221	0.5U ~~0.1~~
(109P)	11141-16-5	PCB-1232	0.6U ~~0.1~~
(110P)	12672-29-6	PCB-1248	0.5U ~~0.1~~
(111P)	11096-82-5	PCB-1260	1.0U ~~0.1~~
(112P)	12674-11-2	PCB-1016	0.3U ~~0.1~~
(113P)	8001-35-2	toxaphene	0.9U ~~0.1~~

DIOXINS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-21-84
DATE ANALYZED: 3-12-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR:

000337

PP #	CAS #		ug/l or ug (circle
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.1

December

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C-4679
LOW WATER

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Lab Sample ID No: 2920-1-5
Sample Matrix:
Data Release Authorized By: BJS

Case No: 2420
QC Report No:
Contract No.: 68-01-6854
Date Sample Received: 2/17/84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED: 2/22/84
PERCENT MOISTURE:

PP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(6V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	5U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U
(16V)	75-00-3	chloroethane	5U
(19V)	110-75-8	2-chloroethylvinyl ether	5U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	5U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	10U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	5U
(45V)	74-87-3	chloromethane	5U
(46V)	74-83-9	bromomethane	5U
(47V)	75-25-2	bromoform	5U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	5U
(50V)	75-71-8	dichlorodifluoromethane	5U
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene	4 LT 5U BJS
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	5U
	67-64-1	acetone	100U
	78-93-3	2-butanone	200U
	75-15-0	carbondisulfide	10U
	519-78-6	2-hexanone	100U
	108-10-1	4-methyl-2-pentanone	100U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	10U
	1330-20-7	total xylenes	5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:

PP #	CAS #		(circ
(89P)	309-00-2	aldrin	0.1
(90P)	60-57-1	dieldrin	0.
(91P)	57-74-9	chlordane	0.
(92P)	50-29-3	4,4'-DDT	0.
(93P)	72-55-9	4,4'-DDE	0.
(94P)	72-54-8	4,4'-DDD	0.
(95P)	115-29-7	α-endosulfan	0.
(96P)	115-29-7	β-endosulfan	0.
(97P)	1031-07-8	endosulfan sulfate	0.
(98P)	72-20-8	endrin	0.
(99P)	7421-93-4	endrin aldehyde	0.
(100P)	76-44-8	heptachlor	0.
(101P)	1024-57-3	heptachlor epoxide	0.
(102P)	319-84-6	α-BHC	0.
(103P)	319-85-7	β-BHC	0.
(104P)	319-86-8	δ-BHC	0.
(105P)	58-89-9	γ-BHC (lindane)	0.
(106P)	53469-21-9	PCB-1242	0.
(107P)	11097-69-1	PCB-1254	0.
(108P)	11104-28-2	PCB-1221	0.
(109P)	11141-16-5	PCB-1232	0.
(110P)	12672-29-6	PCB-1248	0.
(111P)	11096-82-5	PCB-1260	0.
(112P)	12674-11-2	PCB-1016	0.
(113P)	8001-35-2	toxaphene	0.

DIOXINS

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:

PP #	CAS #		(circ
(129D)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.

000338

AR000338

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C-4679

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Case No: 2420
Lab Sample ID No: 2920- 1-5
QC Report No:
Sample Matrix: WATER
Contract No.: 68-01-6854
Data Release Authorized By: BJT
Date Sample Received: 2-17-84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-22-84
DATE ANALYZED: 3-7-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR: 1

PP #	CAS #		ug/l or ug/kg (circle one)
21A)	88-06-2	2,4,6- trichlorophenol	20U
(22A)	59-50-7	p-chloro-m-cresol	40U
'24A)	95-57-8	2- chlorophenol	20U
31A)	120-83-2	2,4-dichlorophenol	20U
(34A)	105-67-9	2,4-dimethylphenol	20U
'57A)	88-75-5	2- nitrophenol	40U
58A)	100-02-7	4-nitrophenol	100U
'59A)	51-28-5	2,4-dinitrophenol	100U
60A)	534-52-1	4,6-dinitro-2-methylphenol	40U
64A)	87-86-5	pentachlorophenol	40U
65A)	108-95-2	phenol	20U
	65-85-0	benzoic acid	200U
	95-48-7	2-methylphenol	20U
	108-39-4	4-methylphenol	20U
	95-95-4	2,4,5-trichlorophenol	200U
B)	83-32-9	acenaphthene	20U
5B)	92-87-5	benzidine	80U
B)	120-82-1	1,2,4-trichlorobenzene	20U
.B)	118-74-1	hexachlorobenzene	20U
12B)	67-72-1	hexachloroethane	20U
8B)	111-44-4	bis(2-chloroethyl)ether	20U
10B)	91-58-7	2-chloronaphthalene	20U
25B)	95-50-1	1,2-dichlorobenzene	20U
6B)	541-73-1	1,3-dichlorobenzene	20U
27B)	106-46-7	1,4-dichlorobenzene	20U
28B)	91-94-1	3,3'-dichlorobenzidine	40U
5B)	121-14-2	2,4-dinitrotoluene	40U
46B)	606-20-2	2,6-dinitrotoluene	40U
47B)	122-66-7	1,2-diphenylhydrazine	40U
9B)	206-44-0	fluoranthene	20U
50B)	7005-72-3	4-chlorophenyl phenyl ether	20U
51B)	101-55-3	4-bromophenyl phenyl ether	20U
52B)	39638-32-9	bis (2-chloroisopropyl) ether	40U
53B)	111-91-1	bis (2-chloroethoxy) methane	40U

PP #	CAS #		ug/l or ug/kg (circle one)
(52B)	87-68-3	hexachlorobutadiene	20U
(53B)	77-47-4	hexachlorocyclopentadiene	20U
(54B)	78-59-1	isophorone	20U
(55B)	91-20-3	naphthalene	20U
(56B)	98-95-3	nitrobenzene	20U
(61B)	62-75-9	N-nitrosodimethylamine	20U
(62B)	86-30-6	N-nitrosodiphenylamine	20U
(63B)	621-64-7	N-nitrosodipropylamine	40U
(66B)	117-81-7	bis (2-ethylhexyl) phthalate	20U
(67B)	85-68-7	benzyl butyl phthalate	20U
(68B)	84-74-2	di-n-butyl phthalate	20U
(69B)	117-84-0	di-n-octyl phthalate	20U
(70B)	84-66-2	diethyl phthalate	20U
(71B)	131-11-3	dimethyl phthalate	20U
(72B)	56-55-3	benzo(a)anthracene	20U
(73B)	50-32-8	benzo(a)pyrene	40U
(74B)	205-99-2	benzo(b)fluoranthene	40U
(75B)	207-08-9	benzo(k)fluoranthene	40U
(76B)	218-01-9	chrysene	20U
(77B)	208-96-8	acenaphthylene	20U
(78B)	120-12-7	anthracene	20U
(79B)	191-24-2	benzo(ghi)perylene	40U
(80B)	86-73-7	fluorene	20U
(81B)	85-01-8	phenanthrene	20U
(82B)	53-70-3	dibenzo(a,h)anthracene	40U
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	40U
(84B)	129-00-0	pyrene	20U
	62-53-3	aniline	20U
	100-51-6	benzyl alcohol	40U
	106-47-8	4-chloroaniline	100U
	132-64-9	dibenzofuran	20U
	91-57-6	2-methylnaphthalene	40U
	88-74-4	2-nitroaniline	200U
	99-09-2	3-nitr	200U

000339

AR000339

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C-4299

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Case No: 2420
Lab Sample ID No: 2920- 1-4
QC Report No:
Sample Matrix: WATER
Contract No.: 68-01-6854
Data Release Authorized By: BJT
Date Sample Received: 2-17-84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-22-84
DATE ANALYZED: 3-7-84
PERCENT MOISTURE:
CONC./DILUTION FACTOR: 1

PP #	CAS #		ug/l or ug/kg (circle one)
21A)	88-06-2	2,4,6- trichlorophenol	20U
(22A)	59-50-7	p-chloro-m-cresol	40U
24A)	95-57-8	2- chlorophenol	20U
31A)	120-83-2	2,4-dichlorophenol	20U
(34A)	105-67-9	2,4-dimethylphenol	20U BJT
37A)	88-75-5	2- nitrophenol	40U
38A)	100-02-7	4-nitrophenol	100U
(59A)	51-28-5	2,4-dinitrophenol	100U
60A)	534-52-1	4,6-dinitro-2-methylphenol	40U
64A)	87-86-5	pentachlorophenol	40U
(65A)	108-95-2	phenol	20U
	65-85-0	benzoic acid	200U
	95-48-7	2-methylphenol	20U
	108-39-4	4-methylphenol	20U
	95-95-4	2,4,5-trichlorophenol	200U
8)	83-32-9	acenaphthene	20U
(5B)	92-87-5	benzidine	80U
8)	120-82-1	1,2,4-trichlorobenzene	20U
8)	118-74-1	hexachlorobenzene	20U
(12B)	67-72-1	hexachloroethane	20U
8B)	111-44-4	bis(2-chloroethyl)ether	20U
20B)	91-58-7	2-chloronaphthalene	20U
25B)	95-50-1	1,2-dichlorobenzene	20U
6B)	541-73-1	1,3-dichlorobenzene	20U
27B)	106-46-7	1,4-dichlorobenzene	20U
28B)	91-94-1	3,3'-dichlorobenzidine	40U
5B)	121-14-2	2,4-dinitrotoluene	40U
36B)	606-20-2	2,6-dinitrotoluene	40U
37B)	122-66-7	1,2-diphenylhydrazine	40U
9B)	206-44-0	fluoranthene	20U
40B)	7005-72-3	4-chlorophenyl phenyl ether	20U
41B)	101-55-3	4-bromophenyl phenyl ether	20U
2B)	39638-32-9	bis (2-chloroisopropyl) ether	40U
43B)	111-91-1	bis (2-chloroethoxy) methane	40U

PP #	CAS #		ug/l or ug/kg (circle one)
(52B)	87-68-3	hexachlorobutadiene	20U
(53B)	77-47-4	hexachlorocyclopentadiene	20U
(54B)	78-59-1	isophorone	20U
(55B)	91-20-3	naphthalene	20U
(56B)	98-95-3	nitrobenzene	20U
(61B)	62-75-9	N-nitrosodimethylamine	
(62B)	86-30-6	N-nitrosodiphenylamine	20U
(63B)	621-64-7	N-nitrosodipropylamine	40U
(66B)	117-81-7	bis (2-ethylhexyl) phthalate	288 ~~200~~
(67B)	85-68-7	benzyl butyl phthalate	20U
(68B)	84-74-2	di-n-butyl phthalate	20U
(69B)	117-84-0	di-n-octyl phthalate	20U
(70B)	84-66-2	diethyl phthalate	20U
(71B)	131-11-3	dimethyl phthalate	20U
(72B)	56-55-3	benzo(a)anthracene	20U
(73B)	50-32-8	benzo(a)pyrene	40U
(74B)	205-99-2	benzo(b)fluoranthene	40U
(75B)	207-08-9	benzo(k)fluoranthene	40U
(76B)	218-01-9	chrysene	20U
(77B)	208-96-8	acenaphthylene	20U
(78B)	120-12-7	anthracene	20U
(79B)	191-24-2	benzo(ghi)perylene	40U
(80B)	86-73-7	fluorene	20U
(81B)	85-01-8	phenanthrene	20U
(82B)	53-70-3	dibenzo(a,h)anthracene	40U
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	40U
(84B)	129-00-0	pyrene	20U
	62-53-3	aniline	
	100-51-6	benzyl alcohol	40U
	106-47-8	4-chloroaniline	100U
	132-64-9	dibenzofuran	20U
	91-57-6	2-methylnaphthalene	40U
	88-74-4	2-nitr	200U
	99-09-2	3-nitr	200U

000340

ARO00340

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number C-4299

LOW WATER

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Lab Sample ID No: 8920-1-4
Sample Matrix:
Data Release Authorized By: BFT

Case No: 2420
QC Report No:
Contract No.: 68-01-6854
Date Sample Received: 2/17/84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED: 2/22/84
PERCENT MOISTURE:

PP #	CAS #		(ug/l or ug/kg) (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	5U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	17 5U BFT
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U
(16V)	75-00-3	chloroethane	5U
(19V)	110-75-8	2-chloroethylvinyl ether	5U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	233 5U BFT
(32V)	78-87-5	1,2-dichloropropane	5U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	10U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	5U
(45V)	74-87-3	chloromethane	5U
(46V)	74-83-9	bromomethane	5U
(47V)	75-25-2	bromoform	5U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	5U
(50V)	75-71-8	dichlorodifluoromethane	5U
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene	56 5U BFT
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	23 5U BFT
(88V)	75-01-4	vinyl chloride	62 5U BFT
	67-64-1	acetone	654 1000 BFT
	78-93-3	2-butanone	200U
	75-15-0	carbondisulfide	10U
	519-78-6	2-hexanone	100U
	108-10-1	4-methyl-2-pentanone	100U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	10U
	1330-20-7	total xylenes	5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:

PP #	CAS #		(ug/l or ug/kg) (circle one)
(89P)	309-00-2	aldrin	0.1U
(90P)	60-57-1	dieldrin	0.1U
(91P)	57-74-9	chlordane	0.1U
(92P)	50-29-3	4,4'-DDT	0.1U
(93P)	72-55-9	4,4'-DDE	0.1U
(94P)	72-54-8	4,4'-DDD	0.1U
(95P)	115-29-7	α-endosulfan	0.1U
(96P)	115-29-7	β-endosulfan	0.1U
(97P)	1031-07-8	endosulfan sulfate	0.1U
(98P)	72-20-8	endrin	0.1U
(99P)	7421-93-4	endrin aldehyde	0.1U
(100P)	76-44-8	heptachlor	0.1U
(101P)	1024-57-3	heptachlor epoxide	0.1U
(102P)	319-84-6	α-BHC	0.1U
(103P)	319-85-7	β-BHC	0.1U
(104P)	319-86-8	δ-BHC	0.1U
(105P)	58-89-9	γ-BHC (lindane)	0.1U
(106P)	53469-21-9	PCB-1242	0.1U
(107P)	11097-69-1	PCB-1254	0.1U
(108P)	11104-28-2	PCB-1221	0.1U
(109P)	11141-16-5	PCB-1232	0.1U
(110P)	12672-29-6	PCB-1248	0.1U
(111P)	11096-82-5	PCB-1260	0.1U
(112P)	12674-11-2	PCB-1016	0.1U
(113P)	8001-35-2	toxaphene	0.1U

DIOXINS

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:

000341

PP #	CAS #		(ug/l or ug/kg) (circle one)
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.0

July

AR000341

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C-4299
LOW WATER

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: EAL CORPORATION
Case No: 2420
Lab Sample ID No: 2920-1-4
QC Report No:
Sample Matrix:
Contract No.: 68-01-6854
Data Release Authorized By: BFT
Date Sample Received: 2/17/84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED: 2/22/84
PERCENT MOISTURE:

PP #	CAS #		(ug/l or ug/kg) (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	5U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	17 5U BFT
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U
(16V)	75-00-3	chloroethane	5U
(19V)	110-75-8	2-chloroethylvinyl ether	5U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	233 5U BFT
(32V)	78-87-5	1,2-dichloropropane	5U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	10U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	5U
(45V)	74-87-3	chloromethane	5U
(46V)	74-83-9	bromomethane	5U
(47V)	75-25-2	bromoform	5U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	5U
(50V)	75-71-8	dichlorodifluoromethane	5U
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene	56 5U BFT
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	23 5U BFT
(88V)	75-01-4	vinyl chloride	62 5U BFT
	67-64-1	acetone	65 LT 100U BFT
	78-93-3	2-butanone	200U
	75-15-0	carbondisulfide	10U
	519-78-6	2-hexanone	100U
	108-10-1	4-methyl-2-pentanone	100U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	10U
	1330-20-7	total xylenes	5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:

PP #	CAS #		(ug/l or ug/kg) (circle one)
(89P)	309-00-2	aldrin	0.1U
(90P)	60-57-1	dieldrin	0.1U
(91P)	57-74-9	chlordane	0.1U
(92P)	50-29-3	4,4'-DDT	0.1U
(93P)	72-55-9	4,4'-DDE	0.1U
(94P)	72-54-8	4,4'-DDD	0.1U
(95P)	115-29-7	α-endosulfan	0.1U
(96P)	115-29-7	β-endosulfan	0.1U
(97P)	1031-07-8	endosulfan sulfate	0.1U
(98P)	72-20-8	endrin	0.1U
(99P)	7421-93-4	endrin aldehyde	0.1U
(100P)	76-44-8	heptachlor	0.1U
(101P)	1024-57-3	heptachlor epoxide	0.1U
(102P)	319-84-6	α-BHC	0.1U
(103P)	319-85-7	β-BHC	0.1U
(104P)	319-86-8	δ-BHC	0.1U
(105P)	58-89-9	γ-BHC (lindane)	0.1U
(106P)	53469-21-9	PCB-1242	0.1U
(107P)	11097-69-1	PCB-1254	0.1U
(108P)	11104-28-2	PCB-1221	0.1U
(109P)	11141-16-5	PCB-1232	0.1U
(110P)	12672-29-6	PCB-1248	0.1U
(111P)	11096-82-5	PCB-1260	0.1U
(112P)	12674-11-2	PCB-1016	0.1U
(113P)	8001-35-2	toxaphene	0.1U

DIOXINS

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:

000342

PP #	CAS #		(ug/l or ug/kg) (circle one)
(120D)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.0

AR000342

ENVIRONMENTAL PROTECTION AGENCY
Sample Management Office
P.O. Box 818 – Alexandria, Virginia 22313
703/557-2490 FTS 8-557-2490

Sample No.
MC 3751

INORGANICS ANALYSIS DATA SHEET

LAB NAME CHEMTECH CASE NO. ~~2430~~ SAS 982 c

LAB SAMPLE ID. NO. G2-182A-03 M.C. QC REPORT NO. 182A

TASK 1 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Aluminum	123.	10.	Zinc	C 493.
2.	Chromium	B ND	11.	Boron	B ND
3.	Barium	< 25	12.	Vanadium	< 50
4.	Beryllium	< 1.3	13.	Silver	B ND
5.	Cobalt	< 12.5 ~~< 2.5~~			
6.	Copper	C 635.			
7.	Iron	C 273.			
8.	Nickel	C 665.			
9.	Manganese	4.8			

TASK 2 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Arsenic	< 2.5	5.	Mercury	< 0.1
2.	Antimony	< 5	6.	Tin	6.5
3.	Selenium	< 0.5	7.	Cadmium	1.1
4.	Thallium	< 2.5	8.	Lead	See Note Attached

TASK 3 (Elements to be Identified and Measured)

ug/l or ~~mg/kg~~ (circle one)

1. Ammonia
2. Cyanide
3. Sulfide

COMMENTS:

D. Hessemer
8/14/84

US ENVIRONMENTAL PROTECTION AGENCY
HWI Sample Management Office
P.O. Box 818 – Alexandria, Virginia 22313
703/557-2490 FTS 8-557-2490

Sample No.
mc 37522

INORGANICS ANALYSIS DATA SHEET

LAB NAME CHEMTECH CASE NO. 2420

LAB SAMPLE ID. NO. G2-182-2.2 QC REPORT NO. 182

TASK 1 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Aluminum	<100	10.	Zinc	43
.	Chromium	<10	11.	Boron	<100
3.	Barium	<100	12.	Vanadium	<200
.	Beryllium	<5	13.	Silver	<10
5.	Cobalt	<50			
.	Copper	60			
/.	Iron	243			
9.	Nickel	<40			
J.	Manganese	<10			

TASK 2 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Arsenic	<10	5.	Mercury	<0.2
2.	Antimony	<20	6.	Tin	28
3.	Selenium	<2	7.	Cadmium	<1
4.	Thallium	<10	8.	Lead	24

TASK 3 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)
1.	Ammonia	
(2)	Cyanide	<10
3.	Sulfide	

COMMENTS:

D. Hessem
3/6/84

Form I

US ENVIRONMENTAL PROTECTION AGENCY
HWI Sample Management Office
P.O. Box 818 – Alexandria, Virginia 22313
703/557-2490 FTS 8-557-2490

Sample No.
mc 3753

INORGANICS ANALYSIS DATA SHEET

AB NAME CHEMTECH CASE NO. 2420
LAB SAMPLE ID. NO. G2-182-23 QC REPORT NO. 182

TASK 1 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Aluminum	<100	10.	Zinc	38
2.	Chromium	<10	11.	Boron	<100
3.	Barium	<100	12.	Vanadium	<200
4.	Beryllium	<5	13.	Silver	<10
5.	Cobalt	<50			
6.	Copper	103			
7.	Iron	168			
8.	Nickel	<40			
9.	Manganese	<10			

TASK 2 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Arsenic	<10	5.	Mercury	<0.2
2.	Antimony	<20	6.	Tin	23
3.	Selenium	<2	7.	Cadmium	<1
4.	Thallium	<10	8.	Lead	43

TASK 3 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)
1.	Ammonia	
(2.)	Cyanide	<10
3.	Sulfide	

COMMENTS:

D. Hessmer
3/6/84

Form I

000345

AR000345

US ENVIRONMENTAL PROTECTION AGENCY
HWI Sample Management Office
P.O. Box 818 — Alexandria, Virginia 22313
703/557-2490 FTS 8-557-2490

Sample No.
mc 3754

INORGANICS ANALYSIS DATA SHEET

LAB NAME CHEMTECH CASE NO. 2420
LAB SAMPLE ID. NO. G2-182-24 QC REPORT NO. 182

TASK 1 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Aluminum	<100	10.	Zinc	20
.	Chromium	<10	11.	Boron	<100
3.	Barium	<100	12.	Vanadium	<200
.	Beryllium	<5	13.	Silver	<10
5.	Cobalt	<50			
.	Copper	59			
/.	Iron	111			
9.	Nickel	<40			
J.	Manganese	<10			

TASK 2 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Arsenic	<10	5.	Mercury	<0.2
2.	Antimony	<20	6.	Tin	<20
3.	Selenium	<2	7.	Cadmium	<1
4.	Thallium	<10	8.	Lead	16

TASK 3 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)
1.	Ammonia	
(2.)	Cyanide	<10
3.	Sulfide	

COMMENTS:

D. Hessemer
3/6/89

Form I

US ENVIRONMENTAL PROTECTION AGENCY
HWI Sample Management Office
P.O. Box 818 — Alexandria, Virginia 22313
703/557-2490 FTS 8-557-2490

Sample No.
MC 3725

INORGANICS ANALYSIS DATA SHEET

LAB NAME CHEMTECH CASE NO. 2420
LAB SAMPLE ID. NO. G2-182-25 QC REPORT NO. 182

TASK 1 (Elements to be Identified and Measured)

		ug/l or (mg/kg) (circle one)			ug/l or (mg/kg) (circle one)
1.	Aluminum	<5	10.	Zinc	1.1 19.4 CR
.	Chromium	<0.5	11.	Boron	<5
3.	Barium	<5	12.	Vanadium	<10
.	Beryllium	<0.25	13.	Silver	<0.5
.	Cobalt	<2.5			
.	Copper	<2.5			
.	Iron	5.2			
9.	Nickel	~~<2~~ CR <2			
.	Manganese	INCR <0.5			

TASK 2 (Elements to be Identified and Measured)

		ug/l or (mg/kg) (circle one)			ug/l or (mg/kg) (circle one)
.	Arsenic	<10	5.	Mercury	<0.1
2.	Antimony	<1	6.	Tin	<1
.	Selenium	<0.1	7.	Cadmium	<1
4.	Thallium	<0.5	8.	Lead	0.55

TASK 3 (Elements to be Identified and Measured)

		ug/l or (mg/kg) (circle one)
1.	Ammonia	
(2)	Cyanide	<0.25
3.	Sulfide	

COMMENTS:

D. Hessman
3/6/84

Form I

US ENVIRONMENTAL PROTECTION AGENCY
HWI Sample Management Office
P.O. Box 818 — Alexandria, Virginia 22313
703/557-2490 FTS 8-557-2490

Sample No.
mc 3756

INORGANICS ANALYSIS DATA SHEET

LAB NAME CHEMTECH CASE NO. 2420

LAB SAMPLE ID. NO. G2-182-26 QC REPORT NO. 182

TASK 1 (Elements to be Identified and Measured)

		(ug/l) or mg/kg (circle one)			(ug/l) or mg/kg (circle one)
1.	Aluminum	528	10.	Zinc	387
2.	Chromium	<10	11.	Boron	<100
3.	Barium	<100	12.	Vanadium	<200
4.	Beryllium	<5	13.	Silver	<10
5.	Cobalt	<50			
6.	Copper	357			
7.	Iron	1841			
8.	Nickel	<40			
9.	Manganese	154			

TASK 2 (Elements to be Identified and Measured)

		(ug/l) or mg/kg (circle one)			(ug/l) or mg/kg (circle one)
1.	Arsenic	<10	5.	Mercury	<0.2
2.	Antimony	<20	6.	Tin	23
3.	Selenium	<2	7.	Cadmium	<1
4.	Thallium	<10	8.	Lead	264

TASK 3 (Elements to be Identified and Measured)

		(ug/l) or mg/kg (circle one)
1.	Ammonia	
(2.)	Cyanide	<10
3.	Sulfide	

COMMENTS:

D. Hessman
3/6/84

000348

Form I

AR000348

US ENVIRONMENTAL PROTECTION AGENCY
HWI Sample Management Office
P.O. Box 818 — Alexandria, Virginia 22313
703/557-2690 FTS 8-557-2690

Sample No.
mc 3779

INORGANICS ANALYSIS DATA SHEET

LAB NAME CHEMTECH CASE NO. 2420

LAB SAMPLE ID. NO. G2-182-17 QC REPORT NO. 182

TASK 1 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Aluminum	<100	10.	Zinc	116
2.	Chromium	<10	11.	Boron	<100
3.	Barium	<100 ~~400K~~	12.	Vanadium	<200 ~~<100~~ DH
4.	Beryllium	<5	13.	Silver	<10
5.	Cobalt	<50			
6.	Copper	<50			
7.	Iron	231			
8.	Nickel	<40			
9.	Manganese	14			

TASK 2 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Arsenic	<10	5.	Mercury	<0.2
2.	Antimony	<20	6.	Tin	<20
3.	Selenium	<2	7.	Cadmium	<1
4.	Thallium	<10	8.	Lead	22

TASK 3 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)
1.	Ammonia	
(2)	Cyanide	<10
3.	Sulfide	

COMMENTS:

D. Hessen
3/6/84

Form 1

000349

US ENVIRONMENTAL PROTECTION AGENCY
WI Sample Management Office
.O. Box 818 – Alexandria, Virginia 22313
703/557-2490 FTS 8-557-2490

Sample No.
MC 3750

INORGANICS ANALYSIS DATA SHEET

3 NAME CHEMTECH CASE NO. 2420

AB SAMPLE ID. NO. 62-152-28 QC REPORT NO. 152

TASK 1 (Elements to be Identified and Measured)

		ug/l or (mg/kg) (circle one)			ug/l or (mg/kg) (circle one)
	Aluminum	10820	10.	Zinc	52.2
	Chromium	11.8	11.	Boron	6x 35<5
	Barium	33.4	12.	Vanadium	13.8
	Beryllium	0.44	13.	Silver	<0.5
	Cobalt	8.2			
	Copper	159			
	Iron	20845			
	Nickel	19.9			
	Manganese	317			

TASK 2 (Elements to be Identified and Measured)

		ug/l or (mg/kg) (circle one)			ug/l or (mg/kg) (circle one)
	Arsenic	5.6	5.	Mercury	<0.1
	Antimony	<1	6.	Tin	1.6
	Selenium	0.10	7.	Cadmium	0.18
	Thallium	<0.5	8.	Lead	48.3

TASK 3 (Elements to be Identified and Measured)

		ug/l or (mg/kg) (circle one)
1.	Ammonia	
(2)	Cyanide	
3.	Sulfide	

000350

COMMENTS:

Cyanide result was inadvertantly overlooked. The data will follow at a later date.

D. Hessemer 3/6/84

Form I

AR000350

S H.

§311-12 Domino Sludge RECEIVED

US ENVIRONMENTAL PROTECTION AGENCY
HWI Sample Management Office
P.O. Box 818 – Alexandria, Virginia 22313
703/557-2490 FTS 8-557-2490

OCT 15 1984
NUS CORPORATION
REGION III
SENT TO

Sample No.
NC 3750

INORGANICS ANALYSIS DATA SHEET

AB NAME CHEMTECH
CASE NO. 2420
LAB SAMPLE ID. NO. 82-152-25
QC REPORT NO. 2

TASK 1 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Aluminum	566	10.	Zinc	52.2
2.	Chromium	.42	11.	Boron	< 35<5
3.	Barium	3.4	12.	Vanadium	.33
4.	Beryllium	<.44	13.	Silver	<.5
5.	Cobalt	5.2			
6.	Copper	.57			
7.	Iron	2045			
8.	Nickel	.41			
9.	Manganese	.27			

TASK 2 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
1.	Arsenic	5.6	5.	Mercury	<.1
2.	Antimony	<1	6.	Tin	.6
3.	Selenium	0.10	7.	Cadmium	.3
4.	Thallium	<0.5	8.	Lead	45.3

TASK 3 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)
1.	Ammonia	
2.	Cyanide	<1.0 *
3.	Sulfide	

COMMENTS:

Cyanide limit ... E. Herisman 11/84
understandable considering ... interference.
* Cyanide completed + spurred

Form I

AR000351

000351

US ENVIRONMENTAL PROTECTION AGENCY
HWI Sample Management Office
P.O. Box 818 – Alexandria, Virginia 22313
703/557-2490 FTS 8-557-2490

Sample No.
mc 3781

INORGANICS ANALYSIS DATA SHEET

AB NAME CHEMTECH CASE NO. 2420

LAB SAMPLE ID. NO. G2-182-3.9 QC REPORT NO. 182

TASK 1 (Elements to be Identified and Measured)

		ug/l or (mg/kg) (circle one)			ug/l or (mg/kg) (circle one)
1.	Aluminum	7615	10.	Zinc	100
	Chromium	44	11.	Boron	<5
3.	Barium	65.1	12.	Vanadium	14.4
.	Beryllium	0.54	13.	Silver	0.83
.	Cobalt	5.4			
.	Copper	6530			
.	Iron	15840			
8.	Nickel	13.8			
.	Manganese	125			

TASK 2 (Elements to be Identified and Measured)

		ug/l or (mg/kg) (circle one)			ug/l or (mg/kg) (circle one)
.	Arsenic	0.5	5.	Mercury	<0.1
2.	Antimony	4.1	6.	Tin	144
.	Selenium	<0.1	7.	Cadmium	1.9
4.	Thallium	<0.5	8.	Lead	4970 ICP

TASK 3 (Elements to be Identified and Measured)

		ug/l or (mg/kg) (circle one)
1.	Ammonia	
(2)	Cyanide	
3.	Sulfide	

COMMENTS:

Cyanide result was inadvertantly overlooked. The data will follow at a later date. D.H.

D. Hesselman 3/6/84

Form I

US ENVIRONMENTAL PROTECTION AGENCY
HWI Sample Management Office
P.O. Box 818 – Alexandria, Virginia 22313
703/557-2490 FTS 8-557-2490

Sample No.
MC [illegible]

INORGANICS ANALYSIS DATA SHEET

AB NAME CHEMTECH CASE NO. 2420

LAB SAMPLE ID. NO. G2-182- QC REPORT NO. 182

TASK 1 (Elements to be Identified and Measured)

		ug/l or (mg/kg) (circle one)			ug/l or (mg/kg) (circle one)
1.	Aluminum	[illegible]	10.	Zinc	.CC
.	Chromium	[illegible]	11.	Boron	45
3.	Barium	.51	12.	Vanadium	.44
.	Beryllium	.54	13.	Silver	.53
.	Cobalt	5.4			
6.	Copper	653C			
.	Iron	.587C			
8.	Nickel	.35			
.	Manganese	125			

TASK 2 (Elements to be Identified and Measured)

		ug/l or (mg/kg) (circle one)			ug/l or (mg/kg) (circle one)
.	Arsenic	5.5	5.	Mercury	< 0.1
2.	Antimony	4.1	6.	Tin	140
6	Selenium	< 0.1	7.	Cadmium	1.7
4.	Thallium	< 0.5	8.	Lead	4570 1C1'

TASK 3 (Elements to be Identified and Measured)

		ug/l or (mg/kg) (circle one)
1.	Ammonia	
(2)	Cyanide	[illegible]
3.	Sulfide	

COMMENTS:

Cyanide result was [illegible]

* Cyanide [illegible]

Form I

US ENVIRONMENTAL PROTECTION AGENCY
HWI Sample Management Office
P.O. Box 818 – Alexandria, Virginia 22313
703/557-2490 FTS 8-557-2490

Sample No.
mc 3.5

INORGANICS ANALYSIS DATA SHEET

LAB NAME CHEMTECH CASE NO. 2420

LAB SAMPLE ID. NO. G2-182-30 QC REPORT NO. 182

TASK 1 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/l (circle one)
1.	Aluminum	<100	10.	Zinc	66
2.	Chromium	<10	11.	Boron	<100
3.	Barium	<100	12.	Vanadium	<200
4.	Beryllium	<5	13.	Silver	<10
5.	Cobalt	<50			
6.	Copper	94			
7.	Iron	262			
8.	Nickel	<40			
9.	Manganese	<10			

TASK 2 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)			ug/l or mg/ (circle one)
1.	Arsenic	<10	5.	Mercury	<0.2
2.	Antimony	<20	6.	Tin	<20
3.	Selenium	<2	7.	Cadmium	<1
4.	Thallium	<10	8.	Lead	34

TASK 3 (Elements to be Identified and Measured)

		ug/l or mg/kg (circle one)
1.	Ammonia	
(2)	Cyanide	<10
3.	Sulfide	

COMMENTS:

D. Hesselman
3/6/84

Form I AR000354 000354

P.O. Box 818 – Alexandria, Virginia 22313
703/557-2490 FTS 8-557-2490

TABULATED DETECTION LIMITS

INORGANICS ANALYSIS DATA SHEET

LABORATORY NAME CHEMTECH CASE NO.

LAB SAMPLE ID. NO. QC REPORT NO.

TASK 1 (Elements to be identified and measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
	Aluminum	50	11.	Manganese	10
	Chromium	10	12.	Zinc	10
	Barium	50	13.	Boron	50
	Beryllium	5	14.	Vanadium	50
	Cadmium	0.5			
	Cobalt	20			
	Copper	20			
	Iron	20	15.	Calcium	mg/l or mg/kg (circle one)
	Lead	5	16.	Magnesium	
	Nickel	20	17.	Sodium	

TASK 2 (Elements to be identified and measured)

		ug/l or mg/kg (circle one)			ug/l or mg/kg (circle one)
	Arsenic	2	5.	Mercury	0.2
	Antimony	10	6.	Tin	20
	Selenium	2	7.	Silver	5
	Thallium	10			

TASK 3 (Elements to be identified and measured)

		ug/l or mg/kg (circle one)
1.	Ammonia	50
2.	Cyanide	10
3.	Sulfide	50

AGENTS

R 12/6 AB

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number: C 4578

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 846464
QC Report No:
Sample Matrix: SOIL
Contract No.: 68-01-6725
Data Release Authorized By: [signature]
Date Sample Received: 2-17-84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-23-84
DATE ANALYZED: 2-23-84
PERCENT MOISTURE: 49 %

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 9.80
(Check Box for Appropriate Factor) CORRECTION FACTOR FOR DRY WT = 1.96

PP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	170U
(3V)	107-13-1	acrylonitrile	180U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	6U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	10U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	78 ~~5U~~
(15V)	79-34-5	1,1,2,2-tetrachloroethane	10U
(16V)	75-00-3	chloroethane	10U
(19V)	110-75-8	2-chloroethylvinyl ether	10U
(23V)	67-66-3	chloroform	~~5U~~ K
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	10U
(33V)	10061-02-6	trans-1,3-dichloropropene	8U
	10061-01-05	cis-1,3-dichloropropene	5U
(38V)	100-41-4	ethylbenzene	8U

PP #	CAS #		
(44V)	75-09-2	methylene chloride	110
(45V)	74-87-3	chloromethane	
(46V)	74-83-9	bromomethane	
(47V)	75-25-2	bromoform	
(48V)	75-27-4	bromodichloromethane	
(49V)	75-69-4	fluorotrichloromethane	
(50V)	75-71-8	dichlorodifluoromethane	
(51V)	124-48-1	chlorodibromomethane	
(85V)	127-18-4	tetrachloroethene	2254
(86V)	108-88-3	toluene	32
(87V)	79-01-6	trichloroethene	
(88V)	75-01-4	vinyl chloride	
	67-64-1	acetone	
	78-93-3	2-butanone	
	75-15-0	carbondisulfide	
	519-78-6	2-hexanone	
	108-10-1	4-methyl-2-pentanone	
	100-42-5	styrene	
	108-05-4	vinyl acetate	
	1330-20-7	~~total~~ xylenes	

000356

AR000356

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Medium Level Soils

Sample Number
C4673

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 34644
QC Report No:
Sample Matrix: Soil
Contract No.: 68-01-6723
Data Release Authorized By:
Date Sample Received: 2-17-84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: LOW (MEDIUM) HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-2-84
DATE ANALYZED: 4-17-84
PERCENT MOISTURE: 47.0 %

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☐ 19.6
(Check Box for Appropriate Factor) CF For Dry Wt Basis = 1.9

PP #	CAS #		ug/g		PP #	CAS #		
(21A)	88-06-2	2,4,6- trichlorophenol	65	U	(52B)	87-68-3	hexachlorobutadiene	5C
(22A)	59-50-7	p-chloro-m-cresol	100	U	(53B)	77-47-4	hexachlorocyclopentadiene	5C
(24A)	95-57-8	2- chlorophenol	50	U	(54B)	78-59-1	isophorone	5C
(31A)	120-83-2	2,4-dichlorophenol	50	U	(55B)	91-20-3	naphthalene	5C
(34A)	105-67-9	2,4-dimethylphenol	50	U	(56B)	98-95-3	nitrobenzene	5C
(57A)	88-75-5	2- nitrophenol	50	U	(62B)	86-30-6	N-nitrosodiphenylamine	5C
(58A)	100-02-7	4-nitrophenol	600	U	(63B)	621-64-7	N-nitrosodipropylamine	5C
(59A)	51-28-5	2,4-dinitrophenol	300	U	(66B)	117-81-7	bis (2-ethylhexyl) phthalate 17,600	56
(60A)	534-52-1	4,6-dinitro-2-methylphenol	200	U	(67B)	85-68-7	benzyl butyl phthalate	5C
(64A)	87-86-5	pentachlorophenol	125	U	(68B)	84-74-2	di-n-butyl phthalate 950	56
(65A)	108-95-2	phenol	50	U	(69B)	117-84-0	di-n-octyl phthalate 3332	56
	65-85-0	benzoic acid	450	U	(70B)	84-66-2	diethyl phthalate	50
	95-48-7	2-methylphenol	10	U	(71B)	131-11-3	dimethyl phthalate	5C
	108-39-4	4-methylphenol	5	U	(72B)	56-55-3	benzo(a)anthracene	5C
	95-95-4	2,4,5-trichlorophenol	500	U	(73B)	50-32-8	benzo(a)pyrene	10C
(1B)	83-32-9	acenaphthene	50	U	(74B)	205-99-2	benzo(b)fluoranthene	125
(5B)	92-87-5	benzidine	200	U	(75B)	207-08-9	benzo(k)fluoranthene	100
(8B)	120-82-1	1,2,4-trichlorobenzene	50	U	(76B)	218-01-9	chrysene	200
(9B)	118-74-1	hexachlorobenzene	50	U	(77B)	208-96-8	acenaphthylene	50
(12B)	67-72-1	hexachloroethane	50	U	(78B)	120-12-7	anthracene	50
(18B)	111-44-4	bis(2-chloroethyl)ether	50	U	(79B)	191-24-2	benzo(ghi)perylene	125
(20B)	91-58-7	2-chloronaphthalene	50	U	(80B)	86-73-7	fluorene	50
(25B)	95-50-1	1,2-dichlorobenzene	50	U	(81B)	85-01-8	phenanthrene	125
(26B)	541-73-1	1,3-dichlorobenzene	50	U	(82B)	53-70-3	dibenzo(a,h)anthracene	125
(27B)	106-46-7	1,4-dichlorobenzene	50	U	(83B)	193-39-5	indeno(1,2,3-cd)pyrene	125
(28B)	91-94-1	3,3'-dichlorobenzidine	50	U	(84B)	129-00-0	pyrene	125
(35B)	121-14-2	2,4-dinitrotoluene	50	U		62-53-3	aniline	10
(36B)	606-20-2	2,6-dinitrotoluene	50	U		100-51-6	benzyl alcohol	50
(37B)	122-66-7	1,2-diphenylhydrazine	100	U		106-47-8	4-chloroaniline	125
(39B)	206-44-0	fluoranthene	50	U		132-64-9	dibenzofuran	25
(40B)	7005-72-3	4-chlorophenyl phenyl ether	80	U		91-57-6	2-methylnaphthalene	50
(41B)	101-55-3	4-bromophenyl phenyl ether	50	U		88-74-4	2-nitroaniline	450
(42B)	39638-32-9	bis (2-chloroisopropyl) ether	50	U		99-09-2	3-nitroaniline	350
(43B)	111-91-1	bis (2-chloroethoxy) methane	50	U		100-01-6	4-nitroaniline	500

Medium Level Soi

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C 4678

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 846464
QC Report No:
Sample Matrix: soil
Contract No.: 68-01-6725
Data Release Authorized By: David C. Hill
Date Sample Received: 2-17-84

PESTICIDES

CONCENTRATION: LOW (MEDIUM) HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-25-84
DATE ANALYZED: 3-27-84
PERCENT MOISTURE: 49.0 %

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 1.96
(Check Box for Appropriate Factor) CORRECTION FACTOR FOR DRY WT = 1.96

PP #	CAS #		ug/l or (ug/kg) (circle one)	
(89P)	309-00-2	aldrin	100 U	
(90P)	60-57-1	dieldrin	100 U	
(91P)	57-74-9	chlordane	500 U	
(92P)	50-29-3	4,4'-DDT	500 U JK	
(93P)	72-55-9	4,4'-DDE	500 U	
(94P)	72-54-8	4,4'-DDD	500 U	
(95P)	115-29-7	α-endosulfan	100 U	
(96P)	115-29-7	β-endosulfan	100 U	
(97P)	1031-07-8	endosulfan sulfate	100 U	
(98P)	72-20-8	endrin	500 U	
(99P)	7421-93-4	endrin aldehyde	100 U	
(100P)	76-44-8	heptachlor	100 U	
(101P)	1024-57-3	heptachlor epoxide	100 U	
(102P)	319-84-6	α-BHC	500 U	
(103P)	319-85-7	β-BHC	100 U	
(104P)	319-86-8	δ-BHC	500 U	
(105P)	58-89-9	γ-BHC (lindane)	500 U	

PP #	CAS #		(c
(106P)	53469-21-9	PCB-1242	1
(107P)	11097-69-1	PCB-1254	2
(108P)	11104-28-2	PCB-1221	1
(109P)	11141-16-5	PCB-1232	1
(110P)	12672-29-6	PCB-1248	2
(111P)	11096-82-5	PCB-1260	2
(112P)	12674-11-2	PCB-1016	1
(113P)	8001-35-2	toxaphene	2

DIOXINS

CONCENTRATION: LOW (MEDIUM) HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-2-84
DATE ANALYZED: 3-22-84
PERCENT MOISTURE: 49.0 %

PP #	CAS #		(c
(129S)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	

000358

AR000358

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Numb
C 4677

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: P4G463
QC Report No:
Sample Matrix: SOIL
Contract No.: 68-01-6725
Data Release Authorized By: J Bunk
Date Sample Received: 2-17-84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-23-84
DATE ANALYZED: 2-23-84
PERCENT MOISTURE: 27.3%

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 1.38
(Check Box for Appropriate Factor)

PP #	CAS #		ug/l or ug/kg (circle one)	PP #	CAS #		
(2V)	107-02-8	acrolein	170U	(44V)	75-09-2	methylene chloride	593
(3V)	107-13-1	acrylonitrile	180U	(45V)	74-87-3	chloromethane	
(4V)	71-43-2	benzene	5U K	(46V)	74-83-9	bromomethane	
(6V)	56-23-5	carbon tetrachloride	6U	(47V)	75-25-2	bromoform	
(7V)	108-90-7	chlorobenzene	5U	(48V)	75-27-4	bromodichloromethane	
(10V)	107-06-2	1,2-dichloroethane	10U	(49V)	75-69-4	fluorotrichloromethane	
(11V)	71-55-6	1,1,1-trichloroethane	5U	(50V)	75-71-8	dichlorodifluoromethane	
(13V)	75-34-3	1,1-dichloroethane	5U K	(51V)	124-48-1	chlorodibromomethane	
(14V)	79-00-5	1,1,2-trichloroethane 41	5U	(85V)	127-18-4	tetrachloroethene	92
(15V)	79-34-5	1,1,2,2-tetrachloroethane	10U	(86V)	108-88-3	toluene	48
(16V)	75-00-3	chloroethane	10U	(87V)	79-01-6	trichloroethene	
(19V)	110-75-8	2-chloroethylvinyl ether	10U	(88V)	75-01-4	vinyl chloride	
(23V)	67-66-3	chloroform 32	5U		67-64-1	acetone	193
(29V)	75-35-4	1,1-dichloroethene	5U K		78-93-3	2-butanone	30
(30V)	156-60-5	trans-1,2-dichloroethene	5U K		75-15-0	carbondisulfide	99
(32V)	78-87-5	1,2-dichloropropane	10U		519-78-6	2-hexanone	23
(33V)	10061-02-6	trans-1,3-dichloropropene	8U		108-10-1	4-methyl-2-pentanone	
	10061-01-05	cis-1,3-dichloropropene	5U		100-42-5	styrene	
(38V)	100-41-4	ethylbenzene	8U		108-05-4	vinyl acetate	
					1330-20-7	O - xylenes	

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Low Level Soil

Sample Number
C4300

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 546462
QC Report No:
Sample Matrix: Soil
Contract No.: 68-01-6725
Data Release Authorized By: J Bentley
Date Sample Received: 2-17-84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-2-84
DATE ANALYZED: 4-17-84
PERCENT MOISTURE: 47.4%

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 1.40
(Check Box for Appropriate Factor)

PP #	CAS #		ug/l or ug/kg (circle one)	
(21A)	88-06-2	2,4,6- trichlorophenol	520	U
(22A)	59-50-7	p-chloro-m-cresol	400	U
(24A)	95-57-8	2- chlorophenol	400	U
(31A)	120-83-2	2,4-dichlorophenol	400	U
(34A)	105-67-9	2,4-dimethylphenol	400	U K
(57A)	88-75-5	2- nitrophenol	4800	U
(58A)	100-02-7	4-nitrophenol	2400	U
(59A)	51-28-5	2,4-dinitrophenol	400	U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	400	U
(64A)	87-86-5	pentachlorophenol	400	U
(65A)	108-95-2	phenol	400	U K
	65-85-0	benzoic acid	4000	U
	95-48-7	2-methylphenol	400	U
	108-39-4	4-methylphenol	400	U
	95-95-4	2,4,5-trichlorophenol	4000	U
(1B)	83-32-9	acenaphthene	400	U
(5B)	92-87-5	benzidine	1600	U
(8B)	120-82-1	1,2,4-trichlorobenzene	400	U
(9B)	118-74-1	hexachlorobenzene	400	U
(12B)	67-72-1	hexachloroethane	400	U
(13B)	111-44-4	bis(2-chloroethyl)ether	400	U
(20B)	91-58-7	2-chloronaphthalene	400	U
(25B)	95-50-1	1,2-dichlorobenzene	400	U
(26B)	541-73-1	1,3-dichlorobenzene	400	U
(27B)	106-46-7	1,4-dichlorobenzene	400	U
(28B)	91-94-1	3,3'-dichlorobenzidine	800	U
(35B)	121-14-2	2,4-dinitrotoluene	800	U
(36B)	606-20-2	2,6-dinitrotoluene	800	U
(37B)	122-66-7	1,2-diphenylhydrazine	800	U
(39B)	206-44-0	fluoranthene	400	U
(40B)	7005-72-3	4-chlorophenyl phenyl ether	640	U
(41B)	101-55-3	4-bromophenyl phenyl ether	400	U
(42B)	39638-32-9	bis (2-chloroisopropyl) ether	800	U
(43B)	111-91-1	bis (2-chloroethoxy) methane	800	U

PP #	CAS #		ug/l or ug/kg (circle one)	
(52B)	87-68-3	hexachlorobutadiene	400	U
(53B)	77-47-4	hexachlorocyclopentadiene	400	U
(54B)	78-59-1	isophorone	400	U
(55B)	91-20-3	naphthalene	400	U
(56B)	98-95-3	nitrobenzene	400	U
(62B)	86-30-6	N-nitrosodiphenylamine	[illegible]	U
(63B)	621-64-7	N-nitrosodipropylamine	400	U
(66B)	117-81-7	bis (2-ethylhexyl) phthalate 4,3,000 ~~400~~		
(67B)	85-68-7	benzyl butyl phthalate	400	U
(68B)	84-74-2	di-n-butyl phthalate	400	U
(69B)	117-84-0	di-n-octyl phthalate	400	U
(70B)	84-66-2	diethyl phthalate	400	U
(71B)	131-11-3	dimethyl phthalate	400	U
(72B)	56-55-3	benzo(a)anthracene	400	U
(73B)	50-32-8	benzo(a)pyrene	800	U
(74B)	205-99-2	benzo(b)fluoranthene	800	U
(75B)	207-08-9	benzo(k)fluoranthene	800	U
(76B)	218-01-9	chrysene	1600	U
(77B)	208-96-8	acenaphthylene	400	U
(78B)	120-12-7	anthracene	400	U
(79B)	191-24-2	benzo(ghi)perylene	800	U
(80B)	86-73-7	fluorene	400	U
(81B)	85-01-8	phenanthrene	400	U
(82B)	53-70-3	dibenzo(a,h)anthracene	800	U
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	800	U
(84B)	129-00-0	pyrene	400	U
	62-53-3	aniline	400	U
	100-51-6	benzyl alcohol	800	U
	106-47-8	4-chloroaniline	2000	U
	132-64-9	dibenzofuran	[illegible]	U
	91-57-6	2-methylnaphthalene	800	U
	88-74-4	2-nitroaniline	4000	U
	99-09-2	3-nitroaniline	4000	U
	100-01-6	4-nitroaniline	4000	U

U000360

AR000360

Low Level Soil

Sample Number
C4300

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 846462
QC Report No:
Sample Matrix: Soil
Contract No.: 68-01-6725
Data Release Authorized By: David C. Hill
Date Sample Received: 2-17-84

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-25-84
DATE ANALYZED: 3-28-84
PERCENT MOISTURE: 47.4 %

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 1.9
(Check Box for Appropriate Factor)

PP #	CAS #		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	2.0U
(90P)	60-57-1	dieldrin	2.0U
(91P)	57-74-9	chlordane	20.0U
(92P)	50-29-3	4,4'-DDT	10.0U
(93P)	72-55-9	4,4'-DDE	10.0U
(94P)	72-54-8	4,4'-DDD	10.0U
(95P)	115-29-7	α-endosulfan	2.0U
(96P)	115-29-7	β-endosulfan	10.0U
(97P)	1031-07-8	endosulfan sulfate	10.0U
(98P)	72-20-8	endrin	10.0U
(99P)	7421-93-4	endrin aldehyde	2.0U
(100P)	76-44-8	heptachlor	2.0U
(101P)	1024-57-3	heptachlor epoxide	2.0U
(102P)	319-84-6	α-BHC	10.0U
(103P)	319-85-7	β-BHC	2.0U
(104P)	319-86-8	δ-BHC	20.0U
(105P)	58-89-9	γ-BHC (lindane)	10.0U

PP #	CAS #			(c
(106P)	53469-21-9	PCB-1242		1
(107P)	11097-69-1	PCB-1254		1
(108P)	11104-28-2	PCB-1221		1
(109P)	11141-16-5	PCB-1232		1
(110P)	12672-29-6	PCB-1248	5361	1
(111P)	11096-82-5	PCB-1260		1
(112P)	12674-11-2	PCB-1016		1
(113P)	8001-35-2	toxaphene		1

DIOXINS

CONCENTRATION: (LOW) MEDIUM HIGH (circle on
DATE EXTRACTED/PREPARED: 3-2-84
DATE ANALYZED: 3-22-84
PERCENT MOISTURE: 47.4 %

PP #	CAS #		(c
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	

000361
AR000361

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C 4298

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 846461
QC Report No:
Sample Matrix: SOIL
Contract No.: 68-01-6725
Data Release Authorized By: J Bonk
Date Sample Received: 2-17-84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-23-84
DATE ANALYZED: 2-23-84
PERCENT MOISTURE: 32.0 %

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 1.47
(Check Box for Appropriate Factor)

PP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	170U
(3V)	107-13-1	acrylonitrile	180U
(4V)	71-43-2	benzene	5U K
(6V)	56-23-5	carbon tetrachloride	6U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	19 10U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	10U
(16V)	75-00-3	chloroethane	10U
(19V)	110-75-8	2-chloroethylvinyl ether	10U
(23V)	67-66-3	chloroform	5U K
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	16.2 5U
(32V)	78-87-5	1,2-dichloropropane	10U
(33V)	10061-02-6	trans-1,3-dichloropropene	8U
	10061-01-05	cis-1,3-dichloropropene	5U
(38V)	100-41-4	ethylbenzene	8U

PP #	CAS #		
(44V)	75-09-2	methylene chloride	26
(45V)	74-87-3	chloromethane	
(46V)	74-83-9	bromomethane	
(47V)	75-25-2	bromoform	
(48V)	75-27-4	bromodichloromethane	
(49V)	75-69-4	fluorotrichloromethane	
(50V)	75-71-8	dichlorodifluoromethane	
(51V)	124-48-1	chlorodibromomethane	
(85V)	127-18-4	tetrachloroethene	140
(86V)	108-88-3	toluene	66
(87V)	79-01-6	trichloroethene	78
(88V)	75-01-4	vinyl chloride	
	67-64-1	acetone	206
	78-93-3	2-butanone	36
	75-15-0	carbondisulfide	
	519-78-6	2-hexanone	9
	108-10-1	4-methyl-2-pentanone	
	100-42-5	styrene	
	108-05-4	vinyl acetate	
	1330-20-7	(1) total xylenes	

000362

AR000362

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Low Level Soil

Sample Number
C4293

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 846461
QC Report No:
Sample Matrix: Soil
Contract No.: 68-01-6725
Data Release Authorized By: [signature]
Date Sample Received: 2-17-84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-2-84
DATE ANALYZED: 4-17-84
PERCENT MOISTURE: 32.0%

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 1.47
(Check Box for Appropriate Factor)

PP #	CAS #		ug/l or ug/kg (circle one)	
(21A)	88-06-2	2,4,6- trichlorophenol	520	U
(22A)	59-50-7	p-chloro-m-cresol	400	U
(24A)	95-57-8	2- chlorophenol	400	U
(31A)	120-83-2	2,4-dichlorophenol	400	U
(34A)	105-67-9	2,4-dimethylphenol 7440	~~400~~	~~U~~
(57A)	88-75-5	2- nitrophenol	4800	U
(58A)	100-02-7	4-nitrophenol	2400	U
(59A)	51-28-5	2,4-dinitrophenol	400	U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	400	U
(64A)	87-86-5	pentachlorophenol	400	U
(65A)	108-95-2	phenol 1323	~~400~~	~~U~~
	65-85-0	benzoic acid	4000	U
	95-48-7	2-methylphenol	~~400~~	~~U~~
	108-39-4	4-methylphenol 1097	400	U
	95-95-4	2,4,5-trichlorophenol	4000	U
(1B)	83-32-9	acenaphthene	400	U
(5B)	92-87-5	benzidine	1600	U
(8B)	120-82-1	1,2,4-trichlorobenzene	400	U
(9B)	118-74-1	hexachlorobenzene	400	U
(12B)	67-72-1	hexachloroethane	400	U
(18B)	111-44-4	bis(2-chloroethyl)ether	400	U
(20B)	91-58-7	2-chloronaphthalene	400	U
(25B)	95-50-1	1,2-dichlorobenzene	400	U
(26B)	541-73-1	1,3-dichlorobenzene	400	U
(27B)	106-46-7	1,4-dichlorobenzene	400	U
(28B)	91-94-1	3,3'-dichlorobenzidine	800	U
(35B)	121-14-2	2,4-dinitrotoluene	800	U
(36B)	606-20-2	2,6-dinitrotoluene	800	U
(37B)	122-66-7	1,2-diphenylhydrazine	800	U
(39B)	206-44-0	fluoranthene	400	U
(40B)	7005-72-3	4-chlorophenyl phenyl ether	640	U
(41B)	101-55-3	4-bromophenyl phenyl ether	400	U
(42B)	39638-32-9	bis (2-chloroisopropyl) ether	800	U
(43B)	111-91-1	bis (2-chloroethoxy) methane	800	U

PP #	CAS #		ug/l or ug/kg (circle one)	
(52B)	87-68-3	hexachlorobutadiene	400	
(53B)	77-47-4	hexachlorocyclopentadiene	400	
(54B)	78-59-1	isophorone	400	
(55B)	91-20-3	naphthalene	400	
(56B)	98-95-3	nitrobenzene	400	
(62B)	86-30-6	N-nitrosodiphenylamine	400	
(63B)	621-64-7	N-nitrosodipropylamine	400	
(66B)	117-81-7	bis (2-ethylhexyl) phthalate 92,610	~~400~~	
(67B)	85-68-7	benzyl butyl phthalate	400	
(68B)	84-74-2	di-n-butyl phthalate	400	
(69B)	117-84-0	di-n-octyl phthalate 4704	~~400~~	
(70B)	84-66-2	diethyl phthalate	400	
(71B)	131-11-3	dimethyl phthalate	400	
(72B)	56-55-3	benzo(a)anthracene	400	
(73B)	50-32-8	benzo(a)pyrene	800	
(74B)	205-99-2	benzo(b)fluoranthene	800	
(75B)	207-08-9	benzo(k)fluoranthene	800	
(76B)	218-01-9	chrysene	1600	
(77B)	208-96-8	acenaphthylene	400	
(78B)	120-12-7	anthracene	400	
(79B)	191-24-2	benzo(ghi)perylene	800	
(80B)	86-73-7	fluorene	400	
(81B)	85-01-8	phenanthrene	400	
(82B)	53-70-3	dibenzo(a,h)anthracene	800	
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	800	
(84B)	129-00-0	pyrene	400	
	62-53-3	aniline	400	
	100-51-6	benzyl alcohol	800	
	106-47-8	4-chloroaniline	2000	
	132-64-9	dibenzofuran	400	
	91-57-6	2-methylnaphthalene	800	
	88-74-4	2-nitroaniline	4000	
	99-09-2	3-nitroaniline	4000	
	100-01-6	4-nitroaniline	4000	

Low Level Soil

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C 4298

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 846461
QC Report No:
Sample Matrix: Soil
Contract No.: 68-01-6725
Data Release Authorized By: David C. Hill
Date Sample Received: 2-17-84

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-25-84
DATE ANALYZED: 3-28-84
PERCENT MOISTURE: 32.0%

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 1.47
(Check Box for Appropriate Factor)

PP #	CAS #		ug/l or (ug/kg) (circle one)
(89P)	309-00-2	aldrin	2.0U
(90P)	60-57-1	dieldrin	2.0U
(91P)	57-74-9	chlordane	20.0U
(92P)	50-29-3	4,4'-DDT	10.0U
(93P)	72-55-9	4,4'-DDE	10.0U
(94P)	72-54-8	4,4'-DDD	K 10.0U
(95P)	115-29-7	α-endosulfan	2.0U
(96P)	115-29-7	β-endosulfan	10.0U
(97P)	1031-07-8	endosulfan sulfate	10.0U
(98P)	72-20-8	endrin	10.0U
(99P)	7421-93-4	endrin aldehyde	2.0U
(100P)	76-44-8	heptachlor	2.0U
(101P)	1024-57-3	heptachlor epoxide	2.0U
(102P)	319-84-6	α-BHC	10.0U
(103P)	319-85-7	β-BHC	2.0U
(104P)	319-86-8	δ-BHC	20.0U
(105P)	58-89-9	γ-BHC (lindane)	10.0U

PP #	CAS #		(c
(106P)	53469-21-9	PCB-1242	1(
(107P)	11097-69-1	PCB-1254	1(
(108P)	11104-28-2	PCB-1221	(
(109P)	11141-16-5	PCB-1232	1(
(110P)	12672-29-6	PCB-1248	1(
(111P)	11096-82-5	PCB-1260	1(
(112P)	12674-11-2	PCB-1016	1(
(113P)	8001-35-2	toxaphene	1(

DIOXINS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-2-84
DATE ANALYZED: 3-22-84
PERCENT MOISTURE: 32.0%

PP #	CAS #		(c
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	

000364
AR000364

. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
.. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C4296

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Lab Sample ID No: 846160
Sample Matrix: SOIL
Data Release Authorized By: J Bradley

Case No: 2480
QC Report No:
Contract No.: 68-01-6725
Date Sample Received: 2-17-84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-23-84
DATE ANALYZED: 2-23-84
PERCENT MOISTURE: 43.0 %

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 3.50
(Check Box for Appropriate Factor) CORRECTION FACTOR FOR DRY WT = 1.75

PP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	170U
3V)	107-13-1	acrylonitrile	180U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	6U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	10U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	18 5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	10U
(16V)	75-00-3	chloroethane	10U
(19V)	110-75-8	2-chloroethylvinyl ether	10U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	130 5U
(32V)	78-87-5	1,2-dichloropropane	10U
(33V)	10061-02-6	trans-1,3-dichloropropene	8U
	10061-01-05	cis-1,3-dichloropropene	5U
(38V)	100-41-4	ethylbenzene	8U K

PP #	CAS #		ug/l or ug/kg (circle one)
(44V)	75-09-2	methylene chloride	10
(45V)	74-87-3	chloromethane	10
(46V)	74-83-9	bromomethane	10
(47V)	75-25-2	bromoform	10
(48V)	75-27-4	bromodichloromethane	5
(49V)	75-69-4	fluorotrichloromethane	
(50V)	75-71-8	dichlorodifluoromethane	
(51V)	124-48-1	chlorodibromomethane	
(85V)	127-18-4	tetrachloroethene	665
(86V)	108-88-3	toluene	
(87V)	79-01-6	trichloroethene	245 1
(88V)	75-01-4	vinyl chloride	1
	67-64-1	acetone	290
	78-93-3	2-butanone	30
	75-15-0	carbondisulfide	
	519-78-6	2-hexanone	
	108-10-1	4-methyl-2-pentanone	
	100-42-5	styrene	
	108-05-4	vinyl acetate	
	1330-20-7	o-total xylenes	32

000365
AR000365

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Low Level Soil

Sample Number
C4296

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 946400
QC Report No:
Sample Matrix: Soil
Contract No.: 68-01-6725
Data Release Authorized By:
Date Sample Received: 2-17-84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-28-84
DATE ANALYZED: 4-17-84
PERCENT MOISTURE: 43.0%

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 1.75
(Check Box for Appropriate Factor)

PP #	CAS #		ug/l (ug/kg) (circle one)	
(21A)	88-06-2	2,4,6-trichlorophenol	520	U
(22A)	59-50-7	p-chloro-m-cresol	400	U
(24A)	95-57-8	2-chlorophenol	400	U
(31A)	120-83-2	2,4-dichlorophenol	400	U
(34A)	105-67-9	2,4-dimethylphenol	400	U
(57A)	88-75-5	2-nitrophenol	4800	U
(58A)	100-02-7	4-nitrophenol	2400	U
(59A)	51-28-5	2,4-dinitrophenol	400	U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	400	U
(64A)	87-86-5	pentachlorophenol	400	U
(65A)	108-95-2	phenol	400	U
	65-85-0	benzoic acid	4000	U K
	95-48-7	2-methylphenol	400	U
	108-39-4	4-methylphenol	400	U
	95-95-4	2,4,5-trichlorophenol	4000	U
(1B)	83-32-9	acenaphthene	400	U
(5B)	92-87-5	benzidine	1600	U
(8B)	120-82-1	1,2,4-trichlorobenzene	400	U
(9B)	118-74-1	hexachlorobenzene	400	U
(12B)	67-72-1	hexachloroethane	400	U
(13B)	111-44-4	bis(2-chloroethyl)ether	400	U
(20B)	91-58-7	2-chloronaphthalene	400	U
(25B)	95-50-1	1,2-dichlorobenzene	400	U
(26B)	541-73-1	1,3-dichlorobenzene	400	U
(27B)	106-46-7	1,4-dichlorobenzene	400	U
(28B)	91-94-1	3,3'-dichlorobenzidine	800	U
(35B)	121-14-2	2,4-dinitrotoluene	800	U
(36B)	606-20-2	2,6-dinitrotoluene	800	U
(37B)	122-66-7	1,2-diphenylhydrazine	800	U
(39B)	206-44-0	fluoranthene	400	U K
(40B)	7005-72-3	4-chlorophenyl phenyl ether	640	U
(41B)	101-55-3	4-bromophenyl phenyl ether	400	U
(42B)	39638-32-9	bis (2-chloroisopropyl) ether	800	U
(43B)	111-91-1	bis (2-chloroethoxy) methane	800	U

PP #	CAS #		(circle one)	
(52B)	87-68-3	hexachlorobutadiene	400	
(53B)	77-47-4	hexachlorocyclopentadiene	400	
(54B)	78-59-1	isophorone	400	
(55B)	91-20-3	naphthalene	400	
(56B)	98-95-3	nitrobenzene	400	
(62B)	86-30-6	N-nitrosodiphenylamine		
(63B)	621-64-7	N-nitrosodipropylamine	400	
(66B)	117-81-7	bis (2-ethylhexyl) phthalate	50,750	400
(67B)	85-68-7	benzyl butyl phthalate	400	
(68B)	84-74-2	di-n-butyl phthalate	400	
(69B)	117-84-0	di-n-octyl phthalate	922	400
(70B)	84-66-2	diethyl phthalate	400	
(71B)	131-11-3	dimethyl phthalate	400	
(72B)	56-55-3	benzo(a)anthracene	400	
(73B)	50-32-8	benzo(a)pyrene	800	
(74B)	205-99-2	benzo(b)fluoranthene	800	
(75B)	207-08-9	benzo(k)fluoranthene	800	
(76B)	218-01-9	chrysene	1600	
(77B)	208-96-8	acenaphthylene	400	
(78B)	120-12-7	anthracene	400	
(79B)	191-24-2	benzo(ghi)perylene	800	
(80B)	86-73-7	fluorene	400	
(81B)	85-01-8	phenanthrene	400	
(82B)	53-70-3	dibenzo(a,h)anthracene	800	
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	800	
(84B)	129-00-0	pyrene	400	
	62-53-3	aniline	400	
	100-51-6	benzyl alcohol	800	
	106-47-8	4-chloroaniline	2000	
	132-64-9	dibenzofuran		
	91-57-6	2-methylnaphthalene	800	
	88-74-4	2-nitroaniline	4000	
	99-09-2	3-nitroaniline	4000	
	100-01-6	4-nitroaniline	4000	

Low Level Soil

Sample Number
C4296

S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 846460
QC Report No:
Sample Matrix: Soil
Contract No.: 68-01-6725
Data Release Authorized By: David C. Hill
Date Sample Received: 2-17-84

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-25-84
DATE ANALYZED: 3-28-84
PERCENT MOISTURE: 43.0 %

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 1.75
(Check Box for Appropriate Factor)

PP #	CAS #		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	2.0U
(90P)	60-57-1	dieldrin	2.0U
(91P)	57-74-9	chlordane	20.0U
(92P)	50-29-3	4,4'-DDT	10.0U
(93P)	72-55-9	4,4'-DDE	10.0U
(94P)	72-54-8	4,4'-DDD	10.0U
(95P)	115-29-7	α-endosulfan	2.0U
(96P)	115-29-7	β-endosulfan	10.0U
(97P)	1031-07-8	endosulfan sulfate	10.0U
(98P)	72-20-8	endrin	10.0U
(99P)	7421-93-4	endrin aldehyde	2.0U
(100P)	76-44-8	heptachlor	2.0U
(101P)	1024-57-3	heptachlor epoxide	2.0U
(102P)	319-84-6	α-BHC	10.0U
(103P)	319-85-7	β-BHC	2.0U
(104P)	319-86-8	δ-BHC	20.0U
(105P)	58-89-9	γ-BHC (lindane)	10.0U

PP #	CAS #		(c
(106P)	53469-21-9	PCB-1242	1
(107P)	11097-69-1	PCB-1254	1
(108P)	11104-28-2	PCB-1221	1
(109P)	11141-16-5	PCB-1232	1
(110P)	12672-29-6	PCB-1248 796	1
(111P)	11096-82-5	PCB-1260	1
(112P)	12674-11-2	PCB-1016	1
(113P)	8001-35-2	toxaphene	1

DIOXINS

CONCENTRATION: (LOW) MEDIUM HIGH (circle on
DATE EXTRACTED/PREPARED: 3-2-84
DATE ANALYZED: 3-22-84
PERCENT MOISTURE: 43.0

PP #	CAS #		(c
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Low Level Soil

Sample Number
C 4294

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 846457
QC Report No:
Sample Matrix: Soil
Contract No.: 68-01-6725
Data Release Authorized By:
Date Sample Received: 2-17-84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-2-84
DATE ANALYZED: 4-17-84
PERCENT MOISTURE: 28.1%

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 1.39
(Check Box for Appropriate Factor)

PP #	CAS #		ug/l or ug/kg (circle one)		PP #	CAS #		ug/l or ug/kg (circle one)	
(21A)	88-06-2	2,4,6-trichlorophenol	520	U	(52B)	87-68-3	hexachlorobutadiene	400	U
(22A)	59-50-7	p-chloro-m-cresol	400	U	(53B)	77-47-4	hexachlorocyclopentadiene	400	U
(24A)	95-57-8	2-chlorophenol	400	U	(54B)	78-59-1	isophorone	400	U
(31A)	120-83-2	2,4-dichlorophenol	400	U	(55B)	91-20-3	naphthalene	400	U
(34A)	105-67-9	2,4-dimethylphenol	400	U	(56B)	98-95-3	nitrobenzene	400	U
(57A)	88-75-5	2-nitrophenol	4800	U	(62B)	86-30-6	N-nitrosodiphenylamine	[illegible]	U
(58A)	100-02-7	4-nitrophenol	2400	U	(63B)	621-64-7	N-nitrosodipropylamine	400	U
(59A)	51-28-5	2,4-dinitrophenol	400	U	(66B)	117-81-7	bis (2-ethylhexyl) phthalate	400	U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	400	U	(67B)	85-68-7	benzyl butyl phthalate	400	U
(64A)	87-86-5	pentachlorophenol	400	U	(68B)	84-74-2	di-n-butyl phthalate	400	U
(65A)	108-95-2	phenol	400	U	(69B)	117-84-0	di-n-octyl phthalate	400	U
	65-85-0	benzoic acid	4000	U K	(70B)	84-66-2	diethyl phthalate	400	U
	95-48-7	2-methylphenol	400	U	(71B)	131-11-3	dimethyl phthalate	400	U
	108-39-4	4-methylphenol	400	U	(72B)	56-55-3	benzo(a)anthracene	400	U
	95-95-4	2,4,5-trichlorophenol	4000	U	(73B)	50-32-8	benzo(a)pyrene	800	U
(1B)	83-32-9	acenaphthene	400	U K	(74B)	205-99-2	benzo(b)fluoranthene	800	U
(5B)	92-87-5	benzidine	1600	U	(75B)	207-08-9	benzo(k)fluoranthene	800	U
(8B)	120-82-1	1,2,4-trichlorobenzene	400	U	(76B)	218-01-9	chrysene	1600	U
(9B)	118-74-1	hexachlorobenzene	400	U	(77B)	208-96-8	acenaphthylene	400	U
(12B)	67-72-1	hexachloroethane	400	U	(78B)	120-12-7	anthracene	400	U
(18B)	111-44-4	bis(2-chloroethyl)ether	400	U	(79B)	191-24-2	benzo(ghi)perylene	800	U
(20B)	91-58-7	2-chloronaphthalene	400	U	(80B)	86-73-7	fluorene	400	U
(25B)	95-50-1	1,2-dichlorobenzene	400	U	(81B)	85-01-8	phenanthrene 990	~~400~~	
(26B)	541-73-1	1,3-dichlorobenzene	400	U	(82B)	53-70-3	dibenzo(a,h)anthracene	800	U
(27B)	106-46-7	1,4-dichlorobenzene	400	U	(83B)	193-39-5	indeno(1,2,3-cd)pyrene	800	U
(28B)	91-94-1	3,3'-dichlorobenzidine	800	U	(84B)	129-00-0	pyrene 362	~~400~~	
(35B)	121-14-2	2,4-dinitrotoluene	800	U		62-53-3	aniline	400	U
(36B)	606-20-2	2,6-dinitrotoluene	800	U		100-51-6	benzyl alcohol	800	U
(37B)	122-66-7	1,2-diphenylhydrazine	800	U		106-47-8	4-chloroaniline	[illegible]	U
(39B)	206-44-0	fluoranthene 1015	~~400~~	U X		132-64-9	dibenzofuran	[illegible]	U
(40B)	7005-72-3	4-chlorophenyl phenyl ether	640	U		91-57-6	2-methylnaphthalene	800	U
(41B)	101-55-3	4-bromophenyl phenyl ether	400	U		88-74-4	2-nitroaniline	4000	U
(42B)	39638-32-9	bis (2-chloroisopropyl) ether	800	U		99-09-2	3-nitroaniline	4000	U
(43B)	111-91-1	bis (2-chloroethoxy) methane	800	U		100-01-6	4-nitroaniline	4000	U

AR000368

Low Level Soil

S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C 4294

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 846459
QC Report No:
Sample Matrix: Soil
Contract No.: 68-01-6725
Data Release Authorized By: David C. Hill
Date Sample Received: 2-17-84

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-25-84
DATE ANALYZED: 3-27-84
PERCENT MOISTURE: 28.1 %

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 1.39
(Check Box for Appropriate Factor)

PP #	CAS #			ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin		2.0U
(90P)	60-57-1	dieldrin		2.0U
(91P)	57-74-9	chlordane		20.0U
(92P)	50-29-3	4,4'-DDT	K	10.0U
(93P)	72-55-9	4,4'-DDE		10.0U
(94P)	72-54-8	4,4'-DDD	K	10.0U
(95P)	115-29-7	α-endosulfan		2.0U
(96P)	115-29-7	β-endosulfan		10.0U
(97P)	1031-07-8	endosulfan sulfate		10.0U
(98P)	72-20-8	endrin		10.0U
(99P)	7421-93-4	endrin aldehyde		2.0U
(100P)	76-44-8	heptachlor		2.0U
(101P)	1024-57-3	heptachlor epoxide		2.0U
(102P)	319-84-6	α-BHC		10.0U
(103P)	319-85-7	β-BHC		2.0U
(104P)	319-86-8	δ-BHC		20.0U
(105P)	58-89-9	γ-BHC (lindane)		10.0U

PP #	CAS #		(c
(106P)	53469-21-9	PCB-1242	1
(107P)	11097-69-1	PCB-1254	1
(108P)	11104-28-2	PCB-1221	1
(109P)	11141-16-5	PCB-1232	1
(110P)	12672-29-6	PCB-1248	1
(111P)	11096-82-5	PCB-1260	1
(112P)	12674-11-2	PCB-1016	1
(113P)	8001-35-2	toxaphene	1

DIOXINS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one
DATE EXTRACTED/PREPARED: 3-2-84
DATE ANALYZED: 3-22-84
PERCENT MOISTURE: 28.1

PP #	CAS #		(c
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	

000369

AR000369

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C4833

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 946466
QC Report No:
Sample Matrix: SOIL
Contract No.: 68-01-6725
Data Release Authorized By: J Brady
Date Sample Received: 2-17-84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-24-84
DATE ANALYZED: 2-24-84
PERCENT MOISTURE: 48.3

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 1.93
(Check Box for Appropriate Factor)

PP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	170U
(3V)	107-13-1	acrylonitrile	180U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	6U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	10U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	25 5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	10U
(16V)	75-00-3	chloroethane	10U
(19V)	110-75-8	2-chloroethylvinyl ether	10U
(23V)	67-66-3	chloroform	5U K
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	39 5U
(32V)	78-87-5	1,2-dichloropropane	10U
(33V)	10061-02-6	trans-1,3-dichloropropene	8U
	10061-01-05	cis-1,3-dichloropropene	5U
(38V)	100-41-4	ethylbenzene	8U

PP #	CAS #		ug/l or ug/kg (circle one)
(44V)	75-09-2	methylene chloride	3 [illegible]
(45V)	74-87-3	chloromethane	
(46V)	74-83-9	bromomethane	
(47V)	75-25-2	bromoform	
(48V)	75-27-4	bromodichloromethane	
(49V)	75-69-4	fluorotrichloromethane	
(50V)	75-71-8	dichlorodifluoromethane	
(51V)	124-48-1	chlorodibromomethane	
(85V)	127-18-4	tetrachloroethene	6/8
(86V)	108-88-3	toluene	
(87V)	79-01-6	trichloroethene	29
(88V)	75-01-4	vinyl chloride	
	67-64-1	acetone	
	78-93-3	2-butanone	
	75-15-0	carbondisulfide	
	519-78-6	2-hexanone	
	108-10-1	4-methyl-2-pentanone	
	100-42-5	styrene	
	108-05-4	vinyl acetate	
	1330-20-7	total-xylenes	

C000370

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Medium Level Soils

Sample Number
C4833

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 84646
QC Report No:
Sample Matrix: Soil
Contract No.: 68-01-6725
Data Release Authorized By: [signature]
Date Sample Received: 2-17-84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: LOW (MEDIUM) HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-2-84
DATE ANALYZED: 4-17-84
PERCENT MOISTURE: 49.3

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 1.93
(Check Box for Appropriate Factor)

PP #	CAS #		ug/l or ug/g (circle one)	PP #	CAS #		ug/l or ug/g (circle one)
(21A)	88-06-2	2,4,6- trichlorophenol	65 U	(52B)	87-68-3	hexachlorobutadiene	50
(22A)	59-50-7	p-chloro-m-cresol	100 U	(53B)	77-47-4	hexachlorocyclopentadiene	50
(24A)	95-57-8	2- chlorophenol	50 U	(54B)	78-59-1	isophorone	50
(31A)	120-83-2	2,4-dichlorophenol	50 U	(55B)	91-20-3	naphthalene	50
(34A)	105-67-9	2,4-dimethylphenol	50 U	(56B)	98-95-3	nitrobenzene	50
(37A)	88-75-5	2- nitrophenol	50 U	(62B)	86-30-6	N-nitrosodiphenylamine	50
(38A)	100-02-7	4-nitrophenol	600 U	(63B)	621-64-7	N-nitrosodipropylamine	50
(39A)	51-28-5	2,4-dinitrophenol	300 U	(66B)	117-81-7	bis (2-ethylhexyl) phthalate	4900 ~~50~~
(60A)	534-52-1	4,6-dinitro-2-methylphenol	200 U	(67B)	85-68-7	benzyl butyl phthalate	50
(64A)	87-86-5	pentachlorophenol	125 U	(68B)	84-74-2	di-n-butyl phthalate	50
(65A)	108-95-2	phenol	50 U	(69B)	117-84-0	di-n-octyl phthalate	210 ~~50~~
	65-85-0	benzoic acid	450 U	(70B)	84-66-2	diethyl phthalate	50
	95-48-7	2-methylphenol	10 U	(71B)	131-11-3	dimethyl phthalate	50
	108-39-4	4-methylphenol	5 U	(72B)	56-55-3	benzo(a)anthracene	50
	95-95-4	2,4,5-trichlorophenol	500 U	(73B)	50-32-8	benzo(a)pyrene	100
(1B)	83-32-9	acenaphthene	50 U	(74B)	205-99-2	benzo(b)fluoranthene	125
(5B)	92-87-5	benzidine	200 U	(75B)	207-08-9	benzo(k)fluoranthene	100
(8B)	120-82-1	1,2,4-trichlorobenzene	50 U	(76B)	218-01-9	chrysene	200
(9B)	118-74-1	hexachlorobenzene	50 U	(77B)	208-96-8	acenaphthylene	50
(12B)	67-72-1	hexachloroethane	50 U	(78B)	120-12-7	anthracene	50
(18B)	111-44-4	bis(2-chloroethyl)ether	50 U	(79B)	191-24-2	benzo(ghi)perylene	125
(20B)	91-58-7	2-chloronaphthalene	50 U	(80B)	86-73-7	fluorene	50
(25B)	95-50-1	1,2-dichlorobenzene	50 U	(81B)	85-01-8	phenanthrene	125
(26B)	541-73-1	1,3-dichlorobenzene	50 U	(82B)	53-70-3	dibenzo(a,h)anthracene	125
(27B)	106-46-7	1,4-dichlorobenzene	50 U	(83B)	193-39-5	indeno(1,2,3-cd)pyrene	125
(28B)	91-94-1	3,3'-dichlorobenzidine	50 U	(84B)	129-00-0	pyrene	125
(35B)	121-14-2	2,4-dinitrotoluene	50 U		62-53-3	aniline	10
(36B)	606-20-2	2,6-dinitrotoluene	50 U		100-51-6	benzyl alcohol	50
(37B)	122-66-7	1,2-diphenylhydrazine	100 U		106-47-8	4-chloroaniline	125
(39B)	206-44-0	fluoranthene	50 U		132-64-9	dibenzofuran	25
(40B)	7005-72-3	4-chlorophenyl phenyl ether	80 U		91-57-6	2-methylnaphthalene	50
(41B)	101-55-3	4-bromophenyl phenyl ether	50 U		88-74-4	2-nitroaniline	450
(42B)	39638-32-9	bis (2-chloroisopropyl) ether	50 U		99-09-2	3-nitroaniline	350
(43B)	111-91-1	bis (2-chloroethoxy) methane	50 U		100-01-6	4-nitroaniline	500

AR000371

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Medium Level Soils

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number: C 4833

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 846466
QC Report No:
Sample Matrix: soil
Contract No.: 68-01-6725
Data Release Authorized By: David C. Hills
Date Sample Received: 2-17-84

PESTICIDES

CONCENTRATION: LOW (MEDIUM) HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-25-84
DATE ANALYZED: 3-27-84
PERCENT MOISTURE: 48.3

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 1.93
(Check Box for Appropriate Factor)

PP #	CAS #		ug/l or ug/Kg (circle one)
(89P)	309-00-2	aldrin	100 U
(90P)	60-57-1	dieldrin	100 U
(91P)	57-74-9	chlordane	500 U
(92P)	50-29-3	4,4'-DDT	500 U
(93P)	72-55-9	4,4'-DDE	500 U
(94P)	72-54-8	4,4'-DDD	500 U
(95P)	115-29-7	α-endosulfan	100 U
(96P)	115-29-7	β-endosulfan	100 U
(97P)	1031-07-8	endosulfan sulfate	100 U
(98P)	72-20-8	endrin	500 U
(99P)	7421-93-4	endrin aldehyde	100 U
(100P)	76-44-8	heptachlor	100 U
(101P)	1024-57-3	heptachlor epoxide	100 U
(102P)	319-84-6	α-BHC	500 U
(103P)	319-85-7	β-BHC	100 U
(104P)	319-86-8	δ-BHC	500 U
(105P)	58-89-9	γ-BHC (lindane)	500 U

PP #	CAS #		ug/l or ug/Kg (circle one)
(106P)	53469-21-9	PCB-1242	1000
(107P)	11097-69-1	PCB-1254	2000
(108P)	11104-28-2	PCB-1221	[illegible]
(109P)	11141-16-5	PCB-1232	1750
(110P)	12672-29-6	PCB-1248	2000
(111P)	11096-82-5	PCB-1260	2000
(112P)	12674-11-2	PCB-1016	1000
(113P)	8001-35-2	toxaphene	2000

DIOXINS

CONCENTRATION: LOW (MEDIUM) HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-2-84
DATE ANALYZED: 3-22-84
PERCENT MOISTURE: 48.3%

PP #	CAS #		ug/l or ug/Kg (circle one)
(129S)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	500

July 1

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AR000372

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C 4815

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 84 64 65
QC Report No:
Sample Matrix: SOIL
Contract No.: 68-01-6725
Data Release Authorized By: JBaily
Date Sample Received: 2-17-84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-24-84
DATE ANALYZED: 2-24-84
PERCENT MOISTURE: 20.1 %

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 3.25
(Check Box for Appropriate Factor) CORRECTION FACTOR FOR DRY WT = 1.25

PP #	CAS #		ug/l or ug/kg (circle one)	PP #	CAS #		(circle one)
(2V)	107-02-8	acrolein	170U	(44V)	75-09-2	methylene chloride	84
(3V)	107-13-1	acrylonitrile	180U	(45V)	74-87-3	chloromethane	
(4V)	71-43-2	benzene	5U K	(46V)	74-83-9	bromomethane	
(6V)	56-23-5	carbon tetrachloride	6U	(47V)	75-25-2	bromoform	
(7V)	108-90-7	chlorobenzene	5U	(48V)	75-27-4	bromodichloromethane	
(10V)	107-06-2	1,2-dichloroethane	10U	(49V)	75-69-4	fluorotrichloromethane	
(11V)	71-55-6	1,1,1-trichloroethane	5U	(50V)	75-71-8	dichlorodifluoromethane	
(13V)	75-34-3	1,1-dichloroethane	5U	(51V)	124-48-1	chlorodibromomethane	
(14V)	79-00-5	1,1,2-trichloroethane	13 5U	(85V)	127-18-4	tetrachloroethene	388
(15V)	79-34-5	1,1,2,2-tetrachloroethane	10U	(86V)	108-88-3	toluene	95
(16V)	75-00-3	chloroethane	10U	(87V)	79-01-6	trichloroethene	
(19V)	110-75-8	2-chloroethylvinyl ether	10U	(88V)	75-01-4	vinyl chloride	
(23V)	67-66-3	chloroform	5U K		67-64-1	acetone	35,000 *
(29V)	75-35-4	1,1-dichloroethene	5U		78-93-3	2-butanone	NDB
(30V)	156-60-5	trans-1,2-dichloroethene	5U		75-15-0	carbondisulfide	
(32V)	78-87-5	1,2-dichloropropane	10U		519-78-6	2-hexanone	
(33V)	10061-02-6	trans-1,3-dichloropropene	8U		108-10-1	4-methyl-2-pentanone	
	10061-01-05	cis-1,3-dichloropropene	5U		100-42-5	styrene	
(38V)	100-41-4	ethylbenzene	8U		108-05-4	vinyl acetate	
					1330-20-7	total xylenes	

(*): THIS VALUE FROM DILUTION OF THE SAMPLE IN TETRAGLYME. BOTH ANALYSES ARE INCLUDED

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Medium Level Soils

Sample Number
C4315

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 846465
QC Report No:
Sample Matrix: Soil
Contract No.: 68-01-6725
Data Release Authorized By:
Date Sample Received: 2-17-84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: LOW (MEDIUM) HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-2-84
DATE ANALYZED: 4-17-84
PERCENT MOISTURE: 20.1%

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 1.25
(Check Box for Appropriate Factor) CORRECTION FACTOR For dry WT = 1.25

PP #	CAS #		ug/g		PP #	CAS #		ug/g	
(21A)	88-06-2	2,4,6- trichlorophenol	65	U	(52B)	87-68-3	hexachlorobutadiene	50	U
(22A)	59-50-7	p-chloro-m-cresol	100	U	(53B)	77-47-4	hexachlorocyclopentadiene	50	U
(24A)	95-57-8	2- chlorophenol	50	U	(54B)	78-59-1	isophorone	50	U
(31A)	120-83-2	2,4-dichlorophenol	50	U	(55B)	91-20-3	naphthalene	50	U
(34A)	105-67-9	2,4-dimethylphenol	50	U	(56B)	98-95-3	nitrobenzene	50	U
(57A)	88-75-5	2- nitrophenol	50	U	(62B)	86-30-6	N-nitrosodiphenylamine	50	U
(58A)	100-02-7	4-nitrophenol	600	U	(63B)	621-64-7	N-nitrosodipropylamine	50	U
(59A)	51-28-5	2,4-dinitrophenol	300	U	(66B)	117-81-7	bis (2-ethylhexyl) phthalate / 62 500	50	U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	200	U	(67B)	85-68-7	benzyl butyl phthalate	50	U
(64A)	87-86-5	pentachlorophenol	125	U	(68B)	84-74-2	di-n-butyl phthalate 1.25	50	U
(65A)	108-95-2	phenol	50	U	(69B)	117-84-0	di-n-octyl phthalate 3.75	50	U
	65-85-0	benzoic acid	450	U	(70B)	84-66-2	diethyl phthalate	50	U
	95-48-7	2-methylphenol	10	U	(71B)	131-11-3	dimethyl phthalate	50	U
	108-39-4	4-methylphenol	5	U	(72B)	56-55-3	benzo(a)anthracene	50	U
	95-95-4	2,4,5-trichlorophenol	500	U	(73B)	50-32-8	benzo(a)pyrene	100	U
(1B)	83-32-9	acenaphthene	50	U	(74B)	205-99-2	benzo(b)fluoranthene	125	U
(5B)	92-87-5	benzidine	200	U	(75B)	207-08-9	benzo(k)fluoranthene	100	U
(8B)	120-82-1	1,2,4-trichlorobenzene	50	U	(76B)	218-01-9	chrysene	200	U
(9B)	118-74-1	hexachlorobenzene	50	U	(77B)	208-96-8	acenaphthylene	50	U
(12B)	67-72-1	hexachloroethane	50	U	(78B)	120-12-7	anthracene	50	U
(18B)	111-44-4	bis(2-chloroethyl)ether	50	U	(79B)	191-24-2	benzo(ghi)perylene	125	U
(20B)	91-58-7	2-chloronaphthalene	50	U	(80B)	86-73-7	fluorene	50	U
(25B)	95-50-1	1,2-dichlorobenzene	50	U	(81B)	85-01-8	phenanthrene	125	U
(26B)	541-73-1	1,3-dichlorobenzene	50	U	(82B)	53-70-3	dibenzo(a,h)anthracene	125	U
(27B)	106-46-7	1,4-dichlorobenzene	50	U	(83B)	193-39-5	indeno(1,2,3-cd)pyrene	125	U
(28B)	91-94-1	3,3'-dichlorobenzidine	50	U	(84B)	129-00-0	pyrene	125	U
(35B)	121-14-2	2,4-dinitrotoluene	50	U		62-53-3	aniline	10	U
(36B)	606-20-2	2,6-dinitrotoluene	50	U		100-51-6	benzyl alcohol	50	U
(37B)	122-66-7	1,2-diphenylhydrazine	100	U		106-47-8	4-chloroaniline	125	U
(39B)	206-44-0	fluoranthene	50	U		132-64-9	dibenzofuran	25	U
(40B)	7005-72-3	4-chlorophenyl phenyl ether	80	U		91-57-6	2-methylnaphthalene	50	U
(41B)	101-55-3	4-bromophenyl phenyl ether	50	U		88-74-4	2-nitroaniline	45	U
(42B)	39638-32-9	bis (2-chloroisopropyl) ether	50	U		99-09-2	3-nitroaniline	350	U
(43B)	111-91-1	bis (2-chloroethoxy) methane	50	U		100-01-6	4-nitroaniline	300	U

Medium Level Soil

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C4815

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: S46465
QC Report No:
Sample Matrix: soil
Contract No.: 68-01-6725
Data Release Authorized By: David C. Hibbs
Date Sample Received: 2-17-84

PESTICIDES

CONCENTRATION: LOW (MEDIUM) HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-25-84
DATE ANALYZED: 3-27-84
PERCENT MOISTURE: 20.1%

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 1.25
(Check Box for Appropriate Factor) CORRECTION FACTOR FOR DRY WT = 1.25

PP #	CAS #		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	100 U
(90P)	60-57-1	dieldrin	100 U
(91P)	57-74-9	chlordane	500 U
(92P)	50-29-3	4,4'-DDT	500 U
(93P)	72-55-9	4,4'-DDE	500 U
(94P)	72-54-8	4,4'-DDD	500 U
(95P)	115-29-7	α-endosulfan	100 U
(96P)	115-29-7	β-endosulfan	100 U
(97P)	1031-07-8	endosulfan sulfate	100 U
(98P)	72-20-8	endrin	500 U
(99P)	7421-93-4	endrin aldehyde	100 U
(100P)	76-44-8	heptachlor	100 U
(101P)	1024-57-3	heptachlor epoxide	100 U
(102P)	319-84-6	α-BHC	500 U
(103P)	319-85-7	β-BHC	100 U
(104P)	319-86-8	δ-BHC	500 U
(105P)	58-89-9	γ-BHC (lindane)	500 U

PP #	CAS #		ug/l or ug/kg (circle one)
(106P)	53469-21-9	PCB-1242	100
(107P)	11097-69-1	PCB-1254	200
(108P)	11104-28-2	PCB-1221	125
(109P)	11141-16-5	PCB-1232	175
(110P)	12672-29-6	PCB-1248	200
(111P)	11096-82-5	PCB-1260	200
(112P)	12674-11-2	PCB-1016	100
(113P)	8001-35-2	toxaphene	200

DIOXINS

CONCENTRATION: LOW (MEDIUM) HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-2-84
DATE ANALYZED: 3-22-84
PERCENT MOISTURE: 20.1%

PP #	CAS #		ug/l or ug/kg (circle one)
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	500

July

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Medium Level Soils

Sample Number
C4837

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 546467
QC Report No:
Sample Matrix: Soil
Contract No.: 68-01-6725
Data Release Authorized By:
Date Sample Received: 2-17-84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: LOW (MEDIUM) HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-2-84
DATE ANALYZED: 4-17-84
PERCENT MOISTURE: 30.3%

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 1.43
(Check Box for Appropriate Factor)

PP #	CAS #		ug/l or ug/kg (circle one)		PP #	CAS #		ug/l or ug/kg (circle one)	
(21A)	88-06-2	2,4,6- trichlorophenol	65	U	(52B)	87-68-3	hexachlorobutadiene	50	
(22A)	59-50-7	p-chloro-m-cresol	100	U	(53B)	77-47-4	hexachlorocyclopentadiene	50	
(24A)	95-57-8	2- chlorophenol	50	U	(54B)	78-59-1	isophorone	50	
(31A)	120-83-2	2,4-dichlorophenol	50	U	(55B)	91-20-3	naphthalene	50	
(34A)	105-67-9	2,4-dimethylphenol	50	U	(56B)	98-95-3	nitrobenzene	50	
(57A)	88-75-5	2- nitrophenol	50	U	(62B)	86-30-6	N-nitrosodiphenylamine	[illegible]	
(58A)	100-02-7	4-nitrophenol	600	U	(63B)	621-64-7	N-nitrosodipropylamine	[illegible]	
(59A)	51-28-5	2,4-dinitrophenol	300	U	(66B)	117-81-7	bis (2-ethylhexyl) phthalate	50	
(60A)	534-52-1	4,6-dinitro-2-methylphenol	200	U	(67B)	85-68-7	benzyl butyl phthalate	50	
(64A)	87-86-5	pentachlorophenol	125	U	(68B)	84-74-2	di-n-butyl phthalate	50	
(65A)	108-95-2	phenol	50	U	(69B)	117-84-0	di-n-octyl phthalate	50	
	65-85-0	benzoic acid	450	U	(70B)	84-66-2	diethyl phthalate	50	
	95-48-7	2-methylphenol	10	U	(71B)	131-11-3	dimethyl phthalate	50	
	108-39-4	4-methylphenol	5	U	(72B)	56-55-3	benzo(a)anthracene	50	
	95-95-4	2,4,5-trichlorophenol	500	U	(73B)	50-32-8	benzo(a)pyrene	100	
(1B)	83-32-9	acenaphthene	50	U	(74B)	205-99-2	benzo(b)fluoranthene	125	
(5B)	92-87-5	benzidine	200	U	(75B)	207-08-9	benzo(k)fluoranthene	100	
(8B)	120-82-1	1,2,4-trichlorobenzene	50	U	(76B)	218-01-9	chrysene	200	
(9B)	118-74-1	hexachlorobenzene	50	U	(77B)	208-96-8	acenaphthylene	50	
(12B)	67-72-1	hexachloroethane	50	U	(78B)	120-12-7	anthracene	50	
(13B)	111-44-4	bis(2-chloroethyl)ether	50	U	(79B)	191-24-2	benzo(ghi)perylene	125	
(20B)	91-58-7	2-chloronaphthalene	50	U	(80B)	86-73-7	fluorene	50	
(25B)	95-50-1	1,2-dichlorobenzene	50	U	(81B)	85-01-8	phenanthrene	125	
(26B)	541-73-1	1,3-dichlorobenzene	50	U	(82B)	53-70-3	dibenzo(a,h)anthracene	125	
(27B)	106-46-7	1,4-dichlorobenzene	50	U	(83B)	193-39-5	indeno(1,2,3-cd)pyrene	125	
(28B)	91-94-1	3,3'-dichlorobenzidine	50	U	(84B)	129-00-0	pyrene	125	
(35B)	121-14-2	2,4-dinitrotoluene	50	U		62-53-3	aniline	10	
(36B)	606-20-2	2,6-dinitrotoluene	50	U		100-51-6	benzyl alcohol	50	
(37B)	122-66-7	1,2-diphenylhydrazine	100	U		106-47-8	4-chloroaniline	125	
(39B)	206-44-0	fluoranthene	50	U		132-64-9	dibenzofuran	[illegible]	
(40B)	7005-72-3	4-chlorophenyl phenyl ether	80	U		91-57-6	2-methylnaphthalene	[illegible]	
(41B)	101-55-3	4-bromophenyl phenyl ether	50	U		88-74-4	2-nitroaniline	450	
(42B)	39638-32-9	bis (2-chloroisopropyl) ether	50	U		99-09-2	3-nitroaniline	350	
(43B)	111-91-1	bis (2-chloroethoxy) methane	50	U		100-01-6	4-nitroaniline	500	

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U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C 4837

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 846467
QC Report No:
Sample Matrix: SOIL
Contract No.: 68-01-6725
Data Release Authorized By:
Date Sample Received: 2-17-84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-24-84
DATE ANALYZED: 2-24-84
PERCENT MOISTURE: 30.3 %

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 5.48
(Check Box for Appropriate Factor) CORRECTION FACTOR FOR DRY WT = 1.43

CP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	170U
(3V)	107-13-1	acrylonitrile	180U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	6U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	10U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	97 5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	10U
(16V)	75-00-3	chloroethane	10U
(19V)	110-75-8	2-chloroethylvinyl ether	10U
(23V)	67-66-3	chloroform	5U K
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	10U
(33V)	10061-02-6	trans-1,3-dichloropropene	8U
	10061-01-05	cis-1,3-dichloropropene	5U
(38V)	100-41-4	ethylbenzene	8U

CP #	CAS #		(circle one)
(44V)	75-09-2	methylene chloride	
(45V)	74-87-3	chloromethane	
(46V)	74-83-9	bromomethane	
(47V)	75-25-2	bromoform	
(48V)	75-27-4	bromodichloromethane	
(49V)	75-69-4	fluorotrichloromethane	
(50V)	75-71-8	dichlorodifluoromethane	
(51V)	124-48-1	chlorodibromomethane	
(85V)	127-18-4	tetrachloroethene	1015
(86V)	108-88-3	toluene	
(87V)	79-01-6	trichloroethene	
(88V)	75-01-4	vinyl chloride	
	67-64-1	acetone	872 J
	78-93-3	2-butanone	67
	75-15-0	carbondisulfide	
	519-78-6	2-hexanone	
	108-10-1	4-methyl-2-pentanone	
	100-42-5	styrene	
	108-05-4	vinyl acetate	
	1330-20-7	total xylenes	

Low Level Soil

Sample Num: C4837

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 846467
QC Report No:
Sample Matrix: Soil
Contract No.: 68-01-6725
Data Release Authorized By: David C. Hill
Date Sample Received: 2-17-84

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-25-84
DATE ANALYZED: 4-23-84
PERCENT MOISTURE: 30.3%

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 1.43
(Check Box for Appropriate Factor)

PP #	CAS #		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	2.0U
(90P)	60-57-1	dieldrin	2.0U
(91P)	57-74-9	chlordane	20.0U
(92P)	50-29-3	4,4'-DDT	10.0U
(93P)	72-55-9	4,4'-DDE	10.0U
(94P)	72-54-8	4,4'-DDD	10.0U
(95P)	115-29-7	α-endosulfan	2.0U
(96P)	115-29-7	β-endosulfan	10.0U
(97P)	1031-07-8	endosulfan sulfate	10.0U
(98P)	72-20-8	endrin	10.0U
(99P)	7421-93-4	endrin aldehyde	2.0U
(100P)	76-44-8	heptachlor	2.0U
(101P)	1024-57-3	heptachlor epoxide	2.0U
(102P)	319-84-6	α-BHC	K 10.0U
(103P)	319-85-7	β-BHC	2.0U
(104P)	319-86-8	δ-BHC	20.0U
(105P)	58-89-9	γ-BHC (lindane)	10.0U

PP #	CAS #		ug/l or ug/kg (circle one)
(106P)	53469-21-9	PCB-1242	100
(107P)	11097-69-1	PCB-1254	100
(108P)	11104-28-2	PCB-1221	100
(109P)	11141-16-5	PCB-1232	100
(110P)	12672-29-6	PCB-1248	100
(111P)	11096-82-5	PCB-1260	100
(112P)	12674-11-2	PCB-1016	100
(113P)	8001-35-2	toxaphene	100

DIOXINS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-2-84
DATE ANALYZED: 3-22-84
PERCENT MOISTURE: 30.3%

PP #	CAS #		ug/l or ug/kg (circle one)
(129S)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	U

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U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Medium Level Soils

Sample Number
C4849

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 94648
QC Report No:
Sample Matrix: Soil
Contract No.: 68-01-6725
Data Release Authorized By: J. Brady
Date Sample Received: 2-17-84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: LOW (MEDIUM) HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-2-84
DATE ANALYZED: 4-18-84
PERCENT MOISTURE: 29.0%

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 1.41
(Check Box for Appropriate Factor)

PP #	CAS #		ug/l or ug/kg (circle one)		PP #	CAS #		ug/l or ug/kg (circle one)	
(21A)	88-06-2	2,4,6- trichlorophenol	65	U	(52B)	87-68-3	hexachlorobutadiene	50	
(22A)	59-50-7	p-chloro-m-cresol	100	U	(53B)	77-47-4	hexachlorocyclopentadiene	50	
(24A)	95-57-8	2- chlorophenol	50	U	(54B)	78-59-1	isophorone	50	
(31A)	120-83-2	2,4-dichlorophenol	50	U	(55B)	91-20-3	naphthalene	50	
(34A)	105-67-9	2,4-dimethylphenol	50	U	(56B)	98-95-3	nitrobenzene	50	
(57A)	88-75-5	2- nitrophenol	50	U	(62B)	86-30-6	N-nitrosodiphenylamine	50	
(58A)	100-02-7	4-nitrophenol	600	U	(63B)	621-64-7	N-nitrosodipropylamine	50	
(59A)	51-28-5	2,4-dinitrophenol	300	U	(66B)	117-81-7	bis (2-ethylhexyl) phthalate	318	~~50~~
(60A)	534-52-1	4,6-dinitro-2-methylphenol	200	U	(67B)	85-68-7	benzyl butyl phthalate	50	
(64A)	87-86-5	pentachlorophenol	125	U	(68B)	84-74-2	di-n-butyl phthalate	50	
(65A)	108-95-2	phenol	50	U	(69B)	117-84-0	di-n-octyl phthalate	50	
	65-85-0	benzoic acid	450	U	(70B)	84-66-2	diethyl phthalate	50	
	95-48-7	2-methylphenol	10	U	(71B)	131-11-3	dimethyl phthalate	50	
	108-39-4	4-methylphenol	5	U	(72B)	56-55-3	benzo(a)anthracene	50	
	95-95-4	2,4,5-trichlorophenol	500	U	(73B)	50-32-8	benzo(a)pyrene	100	
(1B)	83-32-9	acenaphthene	50	U	(74B)	205-99-2	benzo(b)fluoranthene	125	
(5B)	92-87-5	benzidine	200	U	(75B)	207-08-9	benzo(k)fluoranthene	100	
(8B)	120-82-1	1,2,4-trichlorobenzene	50	U	(76B)	218-01-9	chrysene	200	
(9B)	118-74-1	hexachlorobenzene	50	U	(77B)	208-96-8	acenaphthylene	50	
(12B)	67-72-1	hexachloroethane	50	U	(78B)	120-12-7	anthracene	50	
(13B)	111-44-4	bis(2-chloroethyl)ether	50	U	(79B)	191-24-2	benzo(ghi)perylene	125	
(20B)	91-58-7	2-chloronaphthalene	50	U	(80B)	86-73-7	fluorene	50	
(25B)	95-50-1	1,2-dichlorobenzene	50	U	(81B)	85-01-8	phenanthrene	125	
(26B)	541-73-1	1,3-dichlorobenzene	50	U	(82B)	53-70-3	dibenzo(a,h)anthracene	125	
(27B)	106-46-7	1,4-dichlorobenzene	50	U	(83B)	193-39-5	indeno(1,2,3-cd)pyrene	125	
(28B)	91-94-1	3,3'-dichlorobenzidine	50	U	(84B)	129-00-0	pyrene	125	
(35B)	121-14-2	2,4-dinitrotoluene	50	U		62-53-3	aniline	10	
(36B)	606-20-2	2,6-dinitrotoluene	50	U		100-51-6	benzyl alcohol	50	
(37B)	122-66-7	1,2-diphenylhydrazine	100	U		106-47-8	4-chloroaniline	125	
(39B)	206-44-0	fluoranthene	50	U		132-64-9	dibenzofuran	25	
(40B)	7005-72-3	4-chlorophenyl phenyl ether	30	U		91-57-6	2-methylnaphthalene	50	
(41B)	101-55-3	4-bromophenyl phenyl ether	50	U		88-74-4	2-nitroaniline	450	
(42B)	39638-32-9	bis (2-chloroisopropyl) ether	50	U		99-09-2	3-nitroaniline	350	
(43B)	111-91-1	bis (2-chloroethoxy) methane	50	U		100-01-6	4-nitroaniline	500	

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
E 4849

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 846468
QC Report No:
Sample Matrix: SOIL
Contract No.: 68-01-6725
Data Release Authorized By:
Date Sample Received: 2-17-84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-27-84
DATE ANALYZED: 2-27-84
PERCENT MOISTURE: 39.0 %

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 5.38
(Check Box for Appropriate Factor) CORRECTION FACTOR FOR DRY WT = 1.41

CPP #	CAS #		ug/l or ug/kg (circle one)	
(2V)	107-02-8	acrolein	170U	
(3V)	107-13-1	acrylonitrile	180U	
(4V)	71-43-2	benzene	5U	
(6V)	56-23-5	carbon tetrachloride	6U	
(7V)	108-90-7	chlorobenzene	5U	
(10V)	107-06-2	1,2-dichloroethane	10U	
(11V)	71-55-6	1,1,1-trichloroethane	5U	
(13V)	75-34-3	1,1-dichloroethane	5U	
(14V)	79-00-5	1,1,2-trichloroethane	663 5U	
(15V)	79-34-5	1,1,2,2-tetrachloroethane	10U	
(16V)	75-00-3	chloroethane	10U	
(19V)	110-75-8	2-chloroethylvinyl ether	10U	
(23V)	67-66-3	chloroform	5U K	
(29V)	75-35-4	1,1-dichloroethene	5U	
(30V)	156-60-5	trans-1,2-dichloroethene	550 5U	
(32V)	78-87-5	1,2-dichloropropane	10U	
(33V)	10061-02-6	trans-1,3-dichloropropene	8U	
	10061-01-05	cis-1,3-dichloropropene	5U	
(38V)	100-41-4	ethylbenzene	8U	

CPP #	CAS #			
(44V)	75-09-2	methylene chloride		1
(45V)	74-87-3	chloromethane		1
(46V)	74-83-9	bromomethane		1
(47V)	75-25-2	bromoform		1
(48V)	75-27-4	bromodichloromethane		
(49V)	75-69-4	fluorotrichloromethane		
(50V)	75-71-8	dichlorodifluoromethane		
(51V)	124-48-1	chlorodibromomethane		
(85V)	127-18-4	tetrachloroethene	6/128	
(86V)	108-88-3	toluene		
(87V)	79-01-6	trichloroethene	128	1
(88V)	75-01-4	vinyl chloride	536	1
	67-64-1	acetone		4
	78-93-3	2-butanone	NOB	
	75-15-0	carbondisulfide		
	519-78-6	2-hexanone		
	108-10-1	4-methyl-2-pentanone		
	100-42-5	styrene		
	108-05-4	vinyl acetate		
	1330-20-7	Total-xylenes		

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Medium Level Soils

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C4849

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 846468
QC Report No:
Sample Matrix: soil
Contract No.: 68-01-6725
Data Release Authorized By: David C. Hill
Date Sample Received: 2-17-84

PESTICIDES

CONCENTRATION: LOW (MEDIUM) HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-25-84
DATE ANALYZED: 3-27-84
PERCENT MOISTURE: 29.0 %

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 1.41
(Check Box for Appropriate Factor)

PP #	CAS #		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	100 U
(90P)	60-57-1	dieldrin	100 U
(91P)	57-74-9	chlordane	500 U
(92P)	50-29-3	4,4'-DDT	500 U
(93P)	72-55-9	4,4'-DDE	500 U
(94P)	72-54-8	4,4'-DDD	500 U
(95P)	115-29-7	α-endosulfan	100 U
(96P)	115-29-7	β-endosulfan	100 U
(97P)	1031-07-8	endosulfan sulfate	100 U
(98P)	72-20-8	endrin	500 U
(99P)	7421-93-4	endrin aldehyde	100 U
(100P)	76-44-8	heptachlor	100 U
(101P)	1024-57-3	heptachlor epoxide	100 U
(102P)	319-84-6	α-BHC	500 U
(103P)	319-85-7	β-BHC	100 U
(104P)	319-86-8	δ-BHC	500 U
(105P)	58-89-9	γ-BHC (lindane)	500 U

PP #	CAS #		(circle one)
(106P)	53469-21-9	PCB-1242	100
(107P)	11097-69-1	PCB-1254	200
(108P)	11104-28-2	PCB-1221	125
(109P)	11141-16-5	PCB-1232	175
(110P)	12672-29-6	PCB-1248	200
(111P)	11096-82-5	PCB-1260	200
(112P)	12674-11-2	PCB-1016	100
(113P)	8001-35-2	toxaphene	200

DIOXINS

CONCENTRATION: LOW (MEDIUM) HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-2-84
DATE ANALYZED: 3-22-84
PERCENT MOISTURE: 29.0 %

PP #	CAS #		(circle one)
(129S)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	500

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U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
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Sample Number
C 48853

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 846469
QC Report No:
Sample Matrix: SOIL
Contract No.: 68-01-6725
Data Release Authorized By:
Date Sample Received: 2-17-84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-27-84
DATE ANALYZED: 2-27-84
PERCENT MOISTURE: 53.8%

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 2.16
(Check Box for Appropriate Factor)

PP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	170U
(3V)	107-13-1	acrylonitrile	180U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	6U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	10U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U K
(15V)	79-34-5	1,1,2,2-tetrachloroethane	10U
(16V)	75-00-3	chloroethane	10U
(19V)	110-75-8	2-chloroethylvinyl ether	10U
(23V)	67-66-3	chloroform	5U K
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	10U
(33V)	10061-02-6	trans-1,3-dichloropropene	8U
	10061-01-05	cis-1,3-dichloropropene	5U
(38V)	100-41-4	ethylbenzene	8U

PP #	CAS #		ug/l or ug/kg (circle one)
(44V)	75-09-2	methylene chloride	5U
(45V)	74-87-3	chloromethane	10U
(46V)	74-83-9	bromomethane	10U
(47V)	75-25-2	bromoform	10U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	--
(50V)	75-71-8	dichlorodifluoromethane	--
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene 2095	5U
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	10U
(88V)	75-01-4	vinyl chloride	10U
	67-64-1	acetone	40U
	78-93-3	2-butanone NDB	5U
	75-15-0	carbondisulfide	5U
	519-78-6	2-hexanone	5U
	108-10-1	4-methyl-2-pentanone	6U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	5U
	1330-20-7	total xylenes	5U

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AR000382

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Medium Level Soils

Sample Number
C4833

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: EH6464
QC Report No:
Sample Matrix: Soil
Contract No.: 68-01-6725
Data Release Authorized By: G. Bradley
Date Sample Received: 2-17-84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: LOW (MEDIUM) HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-2-84
DATE ANALYZED: 4-19-84
PERCENT MOISTURE: 53.8%

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 21.6 (Check Box for Appropriate Factor)
CORRECTION FACTOR FOR DRY WT BASIS = 2.16

PP #	CAS #		ug/g	PP #	CAS #		ug/g
(21A)	88-06-2	2,4,6- trichlorophenol	65 U	(52B)	87-68-3	hexachlorobutadiene	50 U
(22A)	59-50-7	p-chloro-m-cresol	100 U	(53B)	77-47-4	hexachlorocyclopentadiene	50 U
(24A)	95-57-8	2- chlorophenol	50 U	(54B)	78-59-1	isophorone	50 U
(31A)	120-83-2	2,4-dichlorophenol	50 U	(55B)	91-20-3	naphthalene	50 U
(34A)	105-67-9	2,4-dimethylphenol	50 U	(56B)	98-95-3	nitrobenzene	50 U
(57A)	88-75-5	2- nitrophenol	50 U	(62B)	86-30-6	N-nitrosodiphenylamine	50 U
(58A)	100-02-7	4-nitrophenol	600 U	(63B)	621-64-7	N-nitrosodipropylamine	50 U
(59A)	51-28-5	2,4-dinitrophenol	300 U	(66B)	117-81-7	bis (2-ethylhexyl) phthalate 87,272	~~50 U~~
(60A)	534-52-1	4,6-dinitro-2-methylphenol	200 U	(67B)	85-68-7	benzyl butyl phthalate	50 U
(64A)	87-86-5	pentachlorophenol	125 U	(68B)	84-74-2	di-n-butyl phthalate	50 U
(65A)	108-95-2	phenol	50 U	(69B)	117-84-0	di-n-octyl phthalate 32,532	~~50 U~~
	65-85-0	benzoic acid	450 U	(70B)	84-66-2	diethyl phthalate	50 U
	95-48-7	2-methylphenol	10 U	(71B)	131-11-3	dimethyl phthalate	50 U
	108-39-4	4-methylphenol	5 U	(72B)	56-55-3	benzo(a)anthracene	50 U
	95-95-4	2,4,5-trichlorophenol	500 U	(73B)	50-32-8	benzo(a)pyrene	100 U
(1B)	83-32-9	acenaphthene	50 U	(74B)	205-99-2	benzo(b)fluoranthene	125 U
(5B)	92-87-5	benzidine	200 U	(75B)	207-08-9	benzo(k)fluoranthene	100 U
(8B)	120-82-1	1,2,4-trichlorobenzene	50 U	(76B)	218-01-9	chrysene	200 U
(9B)	118-74-1	hexachlorobenzene	50 U	(77B)	208-96-8	acenaphthylene	50 U
(12B)	67-72-1	hexachloroethane	50 U	(78B)	120-12-7	anthracene	50 U
(13B)	111-44-4	bis(2-chloroethyl)ether	50 U	(79B)	191-24-2	benzo(ghi)perylene	125 U
(20B)	91-58-7	2-chloronaphthalene	50 U	(80B)	86-73-7	fluorene	50 U
(25B)	95-50-1	1,2-dichlorobenzene	50 U	(81B)	85-01-8	phenanthrene	125 U
(26B)	541-73-1	1,3-dichlorobenzene	50 U	(82B)	53-70-3	dibenzo(a,h)anthracene	125 U
(27B)	106-46-7	1,4-dichlorobenzene	50 U	(83B)	193-39-5	indeno(1,2,3-cd)pyrene	125 U
(28B)	91-94-1	3,3'-dichlorobenzidine	50 U	(84B)	129-00-0	pyrene	125 U
(35B)	121-14-2	2,4-dinitrotoluene	50 U		62-53-3	aniline	10 U
(36B)	606-20-2	2,6-dinitrotoluene	50 U		100-51-6	benzyl alcohol	50 U
(37B)	122-66-7	1,2-diphenylhydrazine	100 U		106-47-8	4-chloroaniline	125 U
(39B)	206-44-0	fluoranthene	50 U		132-64-9	dibenzofuran	25 U
(40B)	7005-72-3	4-chlorophenyl phenyl ether	80 U		91-57-6	2-methylnaphthalene	50 U
(41B)	101-55-3	4-bromophenyl phenyl ether	50 U		88-74-4	2-nitroaniline	450 U
(42B)	39638-32-9	bis (2-chloroisopropyl) ether	50 U		99-09-2	3-nitroaniline	350 U
(43B)	111-91-1	bis (2-chloroethoxy) methane	50 U		100-01-6	4-nitroaniline	500 U

Medium Level Soils

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C4883

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 846469
QC Report No:
Sample Matrix: soil
Contract No.: 68-01-6725
Data Release Authorized By: David C. Hill
Date Sample Received: 2-17-84

PESTICIDES

CONCENTRATION: LOW (MEDIUM) HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-25-84
DATE ANALYZED: 3-27-84
PERCENT MOISTURE: 53.8%

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 2.16
(Check Box for Appropriate Factor)

PP #	CAS #		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	100 U
(90P)	60-57-1	dieldrin	100 U
(91P)	57-74-9	chlordane	500 U
(92P)	50-29-3	4,4'-DDT	500 U
(93P)	72-55-9	4,4'-DDE 2814	500 U
(94P)	72-54-8	4,4'-DDD	500 U
(95P)	115-29-7	α-endosulfan	100 U
(96P)	115-29-7	β-endosulfan	100 U
(97P)	1031-07-8	endosulfan sulfate	100 U
(98P)	72-20-8	endrin	500 U
(99P)	7421-93-4	endrin aldehyde	100 U
(100P)	76-44-8	heptachlor	100 U
(101P)	1024-57-3	heptachlor epoxide	100 U
(102P)	319-84-6	α-BHC	500 U
(103P)	319-85-7	β-BHC	100 U
(104P)	319-86-8	δ-BHC	500 U
(105P)	58-89-9	γ-BHC (lindane)	500 U

PP #	CAS #		ug/l or ug/kg (circle one)
(106P)	53469-21-9	PCB-1242	1000 U
(107P)	11097-69-1	PCB-1254	2000 U
(108P)	11104-28-2	PCB-1221	1250 U
(109P)	11141-16-5	PCB-1232	1750 U
(110P)	12672-29-6	PCB-1248	2000 U
(111P)	11096-82-5	PCB-1260	2000 U
(112P)	12674-11-2	PCB-1016	1000 U
(113P)	8001-35-2	toxaphene	2000 U

DIOXINS

CONCENTRATION: LOW (MEDIUM) HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-2-84
DATE ANALYZED: 3-22-84
PERCENT MOISTURE: 53.8%

PP #	CAS #		ug/l or ug/kg (circle one)
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	500 U

July 1983

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C 48841

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 846470
QC Report No:
Sample Matrix: soil
Contract No.: 68-01-6125
Data Release Authorized By: JBarry
Date Sample Received: 2-17-84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-29-84
DATE ANALYZED: 2-29-84
PERCENT MOISTURE: 30.2 %

ANALYZED IN TCTIA 6[illegible]

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 13.229 (4,250 x 1.43)
(Check Box for Appropriate Factor) D.F FOR DRY WT = 1.43

PP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	170U
(3V)	107-13-1	acrylonitrile	180U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	6U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	10U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane 18,650	~~5U~~
(15V)	79-34-5	1,1,2,2-tetrachloroethane	10U
(16V)	75-00-3	chloroethane	10U
(19V)	110-75-8	2-chloroethylvinyl ether	10U
(23V)	67-66-3	chloroform	~~5U~~ K
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	10U
(33V)	10061-02-6	trans-1,3-dichloropropene	8U
	10061-01-05	cis-1,3-dichloropropene	5U
(38V)	100-41-4	ethylbenzene	8U

PP #	CAS #		ug/l or ug/kg (circle one)
(44V)	75-09-2	methylene chloride	10U
(45V)	74-87-3	chloromethane	10U
(46V)	74-83-9	bromomethane	10U
(47V)	75-25-2	bromoform	10U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	--
(50V)	75-71-8	dichlorodifluoromethane	--
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene 3,388,000	~~5U~~
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	10U
(88V)	75-01-4	vinyl chloride	10U
	67-64-1	acetone	~~40U~~
	78-93-3	2-butanone N DB	~~5U~~
	75-15-0	carbondisulfide	5U
	519-78-6	2-hexanone	5U
	108-10-1	4-methyl-2-pentanone	6U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	5U
	1330-20-7	O ~~Total~~ xylenes	5U

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U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Medium Level Soils

Sample Number
C4884

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 346470
QC Report No:
Sample Matrix: Soil
Contract No.: 68-01-6725
Data Release Authorized By:
Date Sample Received: 2-17-84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: LOW (MEDIUM) HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-2-84
DATE ANALYZED: 4-18-84
PERCENT MOISTURE: 30.2%

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☐ 1.43
(Check Box for Appropriate Factor)

PP #	CAS #		ug/L or ug/Kg (circle one)	
(21A)	88-06-2	2,4,6-trichlorophenol	65	U
(22A)	59-50-7	p-chloro-m-cresol	100	U
(24A)	95-57-8	2-chlorophenol	50	U
(31A)	120-83-2	2,4-dichlorophenol	50	U
(34A)	105-67-9	2,4-dimethylphenol	50	U
(57A)	88-75-5	2-nitrophenol	50	U
(58A)	100-02-7	4-nitrophenol	600	U
(59A)	51-28-5	2,4-dinitrophenol	300	U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	200	U
(64A)	87-86-5	pentachlorophenol	125	U
(65A)	108-95-2	phenol	50	U
	65-85-0	benzoic acid	450	U
	95-48-7	2-methylphenol	10	U
	108-39-4	4-methylphenol	5	U
	95-95-4	2,4,5-trichlorophenol	500	U
(1B)	83-32-9	acenaphthene	50	U
(5B)	92-87-5	benzidine	200	U
(8B)	120-82-1	1,2,4-trichlorobenzene	50	U
(9B)	118-74-1	hexachlorobenzene	50	U
(12B)	67-72-1	hexachloroethane	50	U
(18B)	111-44-4	bis(2-chloroethyl)ether	50	U
(20B)	91-58-7	2-chloronaphthalene	50	U
(25B)	95-50-1	1,2-dichlorobenzene	50	U
(26B)	541-73-1	1,3-dichlorobenzene	50	U
(27B)	106-46-7	1,4-dichlorobenzene	50	U
(28B)	91-94-1	3,3'-dichlorobenzidine	50	U
(35B)	121-14-2	2,4-dinitrotoluene	50	U
(36B)	606-20-2	2,6-dinitrotoluene	50	U
(37B)	122-66-7	1,2-diphenylhydrazine	100	U
(39B)	206-44-0	fluoranthene	50	U
(40B)	7005-72-3	4-chlorophenyl phenyl ether	80	U
(41B)	101-55-3	4-bromophenyl phenyl ether	50	U
(42B)	39638-32-9	bis (2-chloroisopropyl) ether	50	U
(43B)	111-91-1	bis (2-chloroethoxy) methane	50	U

PP #	CAS #		ug/L or ug/Kg (circle one)	
(52B)	87-68-3	hexachlorobutadiene	50	U
(53B)	77-47-4	hexachlorocyclopentadiene	50	U
(54B)	78-59-1	isophorone	50	U
(55B)	91-20-3	naphthalene	50	U
(56B)	98-95-3	nitrobenzene	50	U
(62B)	86-30-6	N-nitrosodiphenylamine	50	U
(63B)	621-64-7	N-nitrosodipropylamine	50	U
(66B)	117-81-7	bis (2-ethylhexyl) phthalate 915 Z	~~50~~	~~U~~
(67B)	85-68-7	benzyl butyl phthalate	50	U
(68B)	84-74-2	di-n-butyl phthalate	50	U
(69B)	117-84-0	di-n-octyl phthalate	50	~~U~~ K
(70B)	84-66-2	diethyl phthalate	50	U
(71B)	131-11-3	dimethyl phthalate	50	U
(72B)	56-55-3	benzo(a)anthracene	50	U
(73B)	50-32-8	benzo(a)pyrene	100	U
(74B)	205-99-2	benzo(b)fluoranthene	125	U
(75B)	207-08-9	benzo(k)fluoranthene	100	U
(76B)	218-01-9	chrysene	200	U
(77B)	208-96-8	acenaphthylene	50	U
(78B)	120-12-7	anthracene	50	U
(79B)	191-24-2	benzo(ghi)perylene	125	U
(80B)	86-73-7	fluorene	50	U
(81B)	85-01-8	phenanthrene	125	U
(82B)	53-70-3	dibenzo(a,h)anthracene	125	U
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	125	U
(84B)	129-00-0	pyrene	125	U
	62-53-3	aniline	10	U
	100-51-6	benzyl alcohol	50	U
	106-47-8	4-chloroaniline	125	U
	132-64-9	dibenzofuran	25	U
	91-57-6	2-methylnaphthalene	50	U
	88-74-4	2-nitroaniline	450	U
	99-09-2	3-nitroaniline	350	U
	100-01-6	4-nitroaniline	500	U

Medium Level Soils

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C4884

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 846470
QC Report No:
Sample Matrix: soil
Contract No.: 68-01-6725
Data Release Authorized By: David C. Stith
Date Sample Received: 2-17-84

PESTICIDES

CONCENTRATION: LOW (MEDIUM) HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-25-84
DATE ANALYZED: 3-27-84
PERCENT MOISTURE: 30.2%

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 1.43
(Check Box for Appropriate Factor)

PP #	CAS #		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	100 U
(90P)	60-57-1	dieldrin	100 U
(91P)	57-74-9	chlordane	500 U
(92P)	50-29-3	4,4'-DDT	K ~~500 U~~
(93P)	72-55-9	4,4'-DDE	K 500 U
(94P)	72-54-8	4,4'-DDD	500 U
(95P)	115-29-7	α-endosulfan	100 U
(96P)	115-29-7	β-endosulfan	100 U
(97P)	1031-07-8	endosulfan sulfate	100 U
(98P)	72-20-8	endrin	500 U
(99P)	7421-93-4	endrin aldehyde	100 U
(100P)	76-44-8	heptachlor 223	~~100 U~~
(101P)	1024-57-3	heptachlor epoxide	100 U
(102P)	319-84-6	α-BHC	500 U
(103P)	319-85-7	β-BHC	100 U
(104P)	319-86-8	δ-BHC	500 U
(105P)	58-89-9	γ-BHC (lindane)	500 U

PP #	CAS #		ug/l or ug/kg (circle one)
(106P)	53469-21-9	PCB-1242	1000 U
(107P)	11097-69-1	PCB-1254	2000 U
(108P)	11104-28-2	PCB-1221	1250 U
(109P)	11141-16-5	PCB-1232	1750 U
(110P)	12672-29-6	PCB-1248	2000 U
(111P)	11096-82-5	PCB-1260	2000 U
(112P)	12674-11-2	PCB-1016	1000 U
(113P)	8001-35-2	toxaphene	2000 U

DIOXINS

CONCENTRATION: LOW (MEDIUM) HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-2-84
DATE ANALYZED: 3-22-84
PERCENT MOISTURE: 30.2%

PP #	CAS #		ug/l or ug/kg (circle one)
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	500 U

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Low Level Soil

Sample Number
C4893

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 846471
QC Report No:
Sample Matrix: Soil
Contract No.: 68-01-6725
Data Release Authorized By:
Date Sample Received: 2-17-84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-2-84
DATE ANALYZED: 4-15-84
PERCENT MOISTURE: Trip Blk

Multiply Detection Limits by 1 [X] or 10 [ ] or [ ] _____
(Check Box for Appropriate Factor)

PP #	CAS #		ug/l or ug/kg (circle one)	
(21A)	88-06-2	2,4,6- trichlorophenol	520	U
(22A)	59-50-7	p-chloro-m-cresol	400	U
(24A)	95-57-8	2- chlorophenol	400	U
(31A)	120-83-2	2,4-dichlorophenol	400	U
(34A)	105-67-9	2,4-dimethylphenol	400	U
(57A)	88-75-5	2- nitrophenol	4800	U
(58A)	100-02-7	4-nitrophenol	2400	U
(59A)	51-28-5	2,4-dinitrophenol	400	U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	400	U
(64A)	87-86-5	pentachlorophenol	400	U
(65A)	108-95-2	phenol	400	U
	65-85-0	benzoic acid	4000	U
	95-48-7	2-methylphenol	400	U
	108-39-4	4-methylphenol	400	U
	95-95-4	2,4,5-trichlorophenol	4000	U
(1B)	83-32-9	acenaphthene	400	U
(5B)	92-87-5	benzidine	1600	U
(8B)	120-82-1	1,2,4-trichlorobenzene	400	U
(9B)	118-74-1	hexachlorobenzene	400	U
(12B)	67-72-1	hexachloroethane	400	U
(18B)	111-44-4	bis(2-chloroethyl)ether	400	U
(20B)	91-58-7	2-chloronaphthalene	400	U
(25B)	95-50-1	1,2-dichlorobenzene	400	U
(26B)	541-73-1	1,3-dichlorobenzene	400	U
(27B)	106-46-7	1,4-dichlorobenzene	400	U
(28B)	91-94-1	3,3'-dichlorobenzidine	800	U
(35B)	121-14-2	2,4-dinitrotoluene	800	U
(36B)	606-20-2	2,6-dinitrotoluene	800	U
(37B)	122-66-7	1,2-diphenylhydrazine	800	U
(39B)	206-44-0	fluoranthene	400	U
(40B)	7005-72-3	4-chlorophenyl phenyl ether	640	U
(41B)	101-55-3	4-bromophenyl phenyl ether	400	U
(42B)	39638-32-9	bis (2-chloroisopropyl) ether	808	U
(43B)	111-91-1	bis (2-chloroethoxy) methane	800	U

PP #	CAS #		ug/l or ug/kg (circle one)	
(52B)	87-68-3	hexachlorobutadiene	400	U
(53B)	77-47-4	hexachlorocyclopentadiene	400	U
(54B)	78-59-1	isophorone	400	U
(55B)	91-20-3	naphthalene	400	U
(56B)	98-95-3	nitrobenzene	400	U
(62B)	86-30-6	N-nitrosodiphenylamine	400	U
(63B)	621-64-7	N-nitrosodipropylamine	400	U
(66B)	117-81-7	bis (2-ethylhexyl) phthalate	400	U
(67B)	85-68-7	benzyl butyl phthalate	400	U
(68B)	84-74-2	di-n-butyl phthalate	400	U
(69B)	117-84-0	di-n-octyl phthalate	400	U
(70B)	84-66-2	diethyl phthalate	400	U
(71B)	131-11-3	dimethyl phthalate	400	U
(72B)	56-55-3	benzo(a)anthracene	400	U
(73B)	50-32-8	benzo(a)pyrene	800	U
(74B)	205-99-2	benzo(b)fluoranthene	800	U
(75B)	207-08-9	benzo(k)fluoranthene	800	U
(76B)	218-01-9	chrysene	1600	U
(77B)	208-96-8	acenaphthylene	400	U
(78B)	120-12-7	anthracene	400	U
(79B)	191-24-2	benzo(ghi)perylene	800	U
(80B)	86-73-7	fluorene	400	U
(81B)	85-01-8	phenanthrene	400	U
(82B)	53-70-3	dibenzo(a,h)anthracene	800	U
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	800	U
(84B)	129-00-0	pyrene	400	U
	62-53-3	aniline	400	U
	100-51-6	benzyl alcohol	800	U
	106-47-8	4-chloroaniline	2000	U
	132-64-9	dibenzofuran	400	U
	91-57-6	2-methylnaphthalene	800	U
	88-74-4	2-nitroaniline	4000	U
	99-09-2	3-nitroaniline	4000	U
	100-01-6	4-nitroaniline	4000	U

S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Low Level Soil

Sample Number
C 4893

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Lab Sample ID No: 846471
Sample Matrix: Soil
Data Release Authorized By: David C. Hill

Case No: 2420
QC Report No:
Contract No.: 68-01-6725
Date Sample Received: 2-17-84

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-25-84
DATE ANALYZED: 3-28-84
PERCENT MOISTURE: (TRIP BLANK)

Multiply Detection Limits by 1 [X] or 10 [ ] or [ ] ____
(Check Box for Appropriate Factor)

PP #	CAS #		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	2.0U
(90P)	60-57-1	dieldrin	2.0U
(91P)	57-74-9	chlordane	20.0U
(92P)	50-29-3	4,4'-DDT	10.0U
(93P)	72-55-9	4,4'-DDE	10.0U
(94P)	72-54-8	4,4'-DDD	10.0U
(95P)	115-29-7	α-endosulfan	2.0U
(96P)	115-29-7	β-endosulfan	10.0U
(97P)	1031-07-8	endosulfan sulfate	10.0U
(98P)	72-20-8	endrin	10.0U
(99P)	7421-93-4	endrin aldehyde	2.0U
(100P)	76-44-8	heptachlor	2.0U
(101P)	1024-57-3	heptachlor epoxide	2.0U
(102P)	319-84-6	α-BHC	10.0U
(103P)	319-85-7	β-BHC	2.0U
(104P)	319-86-8	δ-BHC	20.0U
(105P)	58-89-9	γ-BHC (lindane)	10.0U

PP #	CAS #		ug/l or ug/kg (circle one)
(106P)	53469-21-9	PCB-1242	100.0
(107P)	11097-69-1	PCB-1254	100.0
(108P)	11104-28-2	PCB-1221	100.0
(109P)	11141-16-5	PCB-1232	100.0
(110P)	12672-29-6	PCB-1248	100.0
(111P)	11096-82-5	PCB-1260	100.0
(112P)	12674-11-2	PCB-1016	100.0
(113P)	8001-35-2	toxaphene	100.0

DIOXINS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-2-84
DATE ANALYZED: 3-22-84
PERCENT MOISTURE: ____

PP #	CAS #		ug/l or ug/kg (circle one)
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.1

July 19

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C-4893

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 846471
QC Report No:
Sample Matrix: WATER
Contract No.: 68-01-6725
Data Release Authorized By:
Date Sample Received: 2-17-84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-23-84
DATE ANALYZED: 2-23-84
PERCENT MOISTURE: (TRIP BLANK)

Multiply Detection Limits by 1 ☒ or 10 ☐ or ☐ _____
(Check Box for Appropriate Factor)

PP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	170U
(3V)	107-13-1	acrylonitrile	180U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	6U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	10U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	10U
(16V)	75-00-3	chloroethane	10U
(19V)	110-75-8	2-chloroethylvinyl ether	10U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	10U
(33V)	10061-02-6	trans-1,3-dichloropropene	8U
	10061-01-05	cis-1,3-dichloropropene	5U
(38V)	100-41-4	ethylbenzene	8U

PP #	CAS #		ug/l or ug/kg (circle one)
(44V)	75-09-2	methylene chloride	10U
(45V)	74-87-3	chloromethane	10U
(46V)	74-83-9	bromomethane	10U
(47V)	75-25-2	bromoform	10U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	--
(50V)	75-71-8	dichlorodifluoromethane	--
(51V)	124-48-1	chlorodibromomethane	5U
(83V)	127-18-4	tetrachloroethene	5U
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	10U
(88V)	75-01-4	vinyl chloride	10U
	67-64-1	acetone	40U
	78-93-3	2-butanone	5U
	75-15-0	carbondisulfide	5U
	519-78-6	2-hexanone	5U
	108-10-1	4-methyl-2-pentanone	6U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	5U
	1330-20-7	total xylenes	5U

Medium Level Soils

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C4815

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: S46465
QC Report No:
Sample Matrix: soil
Contract No.: 68-01-6725
Data Release Authorized By: David C. Hill
Date Sample Received: 2-17-84

PESTICIDES

CONCENTRATION: LOW (MEDIUM) HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-25-84
DATE ANALYZED: 3-27-84
PERCENT MOISTURE: 20.1%

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 1.25
(Check Box for Appropriate Factor) CORRECTION FACTOR FOR DRY WT = 1.25

PP #	CAS #		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	100 U
(90P)	60-57-1	dieldrin	100 U
(91P)	57-74-9	chlordane	500 U
(92P)	50-29-3	4,4'-DDT	500 U
(93P)	72-55-9	4,4'-DDE	500 U
(94P)	72-54-8	4,4'-DDD	500 U
(95P)	115-29-7	α-endosulfan	100 U
(96P)	115-29-7	β-endosulfan	100 U
(97P)	1031-07-8	endosulfan sulfate	100 U
(98P)	72-20-8	endrin	500 U
(99P)	7421-93-4	endrin aldehyde	100 U
(100P)	76-44-8	heptachlor	100 U
(101P)	1024-57-3	heptachlor epoxide	100 U
(102P)	319-84-6	α-BHC	500 U
(103P)	319-85-7	β-BHC	100 U
(104P)	319-86-8	δ-BHC	500 U
(105P)	58-89-9	γ-BHC (lindane)	500 U

PP #	CAS #		ug/l or ug/kg (circle one)
(106P)	53469-21-9	PCB-1242	100
(107P)	11097-69-1	PCB-1254	200
(108P)	11104-28-2	PCB-1221	125
(109P)	11141-16-5	PCB-1232	175
(110P)	12672-29-6	PCB-1248	200
(111P)	11096-82-5	PCB-1260	200
(112P)	12674-11-2	PCB-1016	100
(113P)	8001-35-2	toxaphene	200

DIOXINS

CONCENTRATION: LOW (MEDIUM) HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-2-84
DATE ANALYZED: 3-22-84
PERCENT MOISTURE: 20.1%

PP #	CAS #		ug/l or ug/kg (circle one)
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	500

July

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Medium Level Soils

Sample Number
C4837

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 546467
QC Report No:
Sample Matrix: Soil
Contract No.: 68-01-6725
Data Release Authorized By: [signature]
Date Sample Received: 2-17-84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: LOW (MEDIUM) HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-2-84
DATE ANALYZED: 4-17-84
PERCENT MOISTURE: 30.3%

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 1.43
(Check Box for Appropriate Factor)

PP #	CAS #		ug/l or (ug/kg) (circle one)	
(21A)	88-06-2	2,4,6- trichlorophenol	65	U
(22A)	59-50-7	p-chloro-m-cresol	100	U
(24A)	95-57-8	2- chlorophenol	50	U
(31A)	120-83-2	2,4-dichlorophenol	50	U
(34A)	105-67-9	2,4-dimethylphenol	50	U
(57A)	88-75-5	2- nitrophenol	50	U
(58A)	100-02-7	4-nitrophenol	600	U
(59A)	51-28-5	2,4-dinitrophenol	300	U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	200	U
(64A)	87-86-5	pentachlorophenol	125	U
(65A)	108-95-2	phenol	50	U
	65-85-0	benzoic acid	450	U
	95-48-7	2-methylphenol	10	U
	108-39-4	4-methylphenol	5	U
	95-95-4	2,4,5-trichlorophenol	500	U
(1B)	83-32-9	acenaphthene	50	U
(5B)	92-87-5	benzidine	200	U
(8B)	120-82-1	1,2,4-trichlorobenzene	50	U
(9B)	118-74-1	hexachlorobenzene	50	U
(12B)	67-72-1	hexachloroethane	50	U
(13B)	111-44-4	bis(2-chloroethyl)ether	50	U
(20B)	91-58-7	2-chloronaphthalene	50	U
(25B)	95-50-1	1,2-dichlorobenzene	50	U
(26B)	541-73-1	1,3-dichlorobenzene	50	U
(27B)	106-46-7	1,4-dichlorobenzene	50	U
(28B)	91-94-1	3,3'-dichlorobenzidine	50	U
(35B)	121-14-2	2,4-dinitrotoluene	50	U
(36B)	606-20-2	2,6-dinitrotoluene	50	U
(37B)	122-66-7	1,2-diphenylhydrazine	100	U
(39B)	206-44-0	fluoranthene	50	U
(40B)	7005-72-3	4-chlorophenyl phenyl ether	80	U
(41B)	101-55-3	4-bromophenyl phenyl ether	50	U
(42B)	39638-32-9	bis (2-chloroisopropyl) ether	50	U
(43B)	111-91-1	bis (2-chloroethoxy) methane	50	U

PP #	CAS #		ug/l or (ug/kg) (circle one)	
(52B)	87-68-3	hexachlorobutadiene	50	
(53B)	77-47-4	hexachlorocyclopentadiene	50	
(54B)	78-59-1	isophorone	50	
(55B)	91-20-3	naphthalene	50	
(56B)	98-95-3	nitrobenzene	50	
(62B)	86-30-6	N-nitrosodiphenylamine	[illegible]	
(63B)	621-64-7	N-nitrosodipropylamine		
(66B)	117-81-7	bis (2-ethylhexyl) phthalate	50	
(67B)	85-68-7	benzyl butyl phthalate	50	
(68B)	84-74-2	di-n-butyl phthalate	50	
(69B)	117-84-0	di-n-octyl phthalate	50	
(70B)	84-66-2	diethyl phthalate	50	
(71B)	131-11-3	dimethyl phthalate	50	
(72B)	56-55-3	benzo(a)anthracene	50	
(73B)	50-32-8	benzo(a)pyrene	100	
(74B)	205-99-2	benzo(b)fluoranthene	125	
(75B)	207-08-9	benzo(k)fluoranthene	100	
(76B)	218-01-9	chrysene	200	
(77B)	208-96-8	acenaphthylene	50	
(78B)	120-12-7	anthracene	50	
(79B)	191-24-2	benzo(ghi)perylene	125	
(80B)	86-73-7	fluorene	50	
(81B)	85-01-8	phenanthrene	125	
(82B)	53-70-3	dibenzo(a,h)anthracene	125	
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	125	
(84B)	129-00-0	pyrene	125	
	62-53-3	aniline	10	
	100-51-6	benzyl alcohol	50	
	106-47-8	4-chloroaniline	125	
	132-64-9	dibenzofuran	25	
	91-57-6	2-methylnaphthalene	[illegible]	
	88-74-4	2-nitroaniline	450	
	99-09-2	3-nitroaniline	350	
	100-01-6	4-nitroaniline	500	

FORM 3

AR000392 000892

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C 4837

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 846467
QC Report No:
Sample Matrix: Soil
Contract No.: 68-01-6725
Data Release Authorized By:
Date Sample Received: 2-17-84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-24-84
DATE ANALYZED: 2-24-84
PERCENT MOISTURE: 30.3 %

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 5.98
(Check Box for Appropriate Factor) CORRELATION FACTOR FOR DRY WT = 1.43

PP #	CAS #		ug/l or ug/kg (circle one)	PP #	CAS #		(circle one)
(2V)	107-02-8	acrolein	170U	(44V)	75-09-2	methylene chloride	
(3V)	107-13-1	acrylonitrile	180U	(45V)	74-87-3	chloromethane	
(4V)	71-43-2	benzene	5U	(46V)	74-83-9	bromomethane	
(6V)	56-23-5	carbon tetrachloride	6U	(47V)	75-25-2	bromoform	
(7V)	108-90-7	chlorobenzene	5U	(48V)	75-27-4	bromodichloromethane	
(10V)	107-06-2	1,2-dichloroethane	10U	(49V)	75-69-4	fluorotrichloromethane	
(11V)	71-55-6	1,1,1-trichloroethane	5U	(50V)	75-71-8	dichlorodifluoromethane	
(13V)	75-34-3	1,1-dichloroethane	5U	(51V)	124-48-1	chlorodibromomethane	
(14V)	79-00-5	1,1,2-trichloroethane	97 5U	(85V)	127-18-4	tetrachloroethene	1015
(15V)	79-34-5	1,1,2,2-tetrachloroethane	10U	(86V)	108-88-3	toluene	
(16V)	75-00-3	chloroethane	10U	(87V)	79-01-6	trichloroethene	
(19V)	110-75-8	2-chloroethylvinyl ether	10U	(88V)	75-01-4	vinyl chloride	
(23V)	67-66-3	chloroform	5U K		67-64-1	acetone	872
(29V)	75-35-4	1,1-dichloroethene	5U		78-93-3	2-butanone	67
(30V)	156-60-5	trans-1,2-dichloroethene	5U		75-15-0	carbondisulfide	
(32V)	78-87-5	1,2-dichloropropane	10U		519-78-6	2-hexanone	
(33V)	10061-02-6	trans-1,3-dichloropropene	8U		108-10-1	4-methyl-2-pentanone	
	10061-01-05	cis-1,3-dichloropropene	5U		100-42-5	styrene	
(38V)	100-41-4	ethylbenzene	8U		108-05-4	vinyl acetate	
					1330-20-7	total xylenes	

Low Level Soil

Sample Numb
C4837

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 846467
QC Report No:
Sample Matrix: Soil
Contract No.: 68-01-6725
Data Release Authorized By: David C. Hill
Date Sample Received: 2-17-84

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-25-84
DATE ANALYZED: 4-23-84
PERCENT MOISTURE: 30.3%

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 1.43
(Check Box for Appropriate Factor)

PP #	CAS #		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	2.0U
(90P)	60-57-1	dieldrin	2.0U
(91P)	57-74-9	chlordane	20.0U
(92P)	50-29-3	4,4'-DDT	10.0U
(93P)	72-55-9	4,4'-DDE	10.0U
(94P)	72-54-8	4,4'-DDD	10.0U
(95P)	115-29-7	α-endosulfan	2.0U
(96P)	115-29-7	β-endosulfan	10.0U
(97P)	1031-07-8	endosulfan sulfate	10.0U
(98P)	72-20-8	endrin	10.0U
(99P)	7421-93-4	endrin aldehyde	2.0U
(100P)	76-44-8	heptachlor	2.0U
(101P)	1024-57-3	heptachlor epoxide	2.0U
(102P)	319-84-6	α-BHC K	10.0U
(103P)	319-85-7	β-BHC	2.0U
(104P)	319-86-8	δ-BHC	20.0U
(105P)	58-89-9	γ-BHC (lindane)	10.0U

PP #	CAS #		or (circle one)
(106P)	53469-21-9	PCB-1242	10(
(107P)	11097-69-1	PCB-1254	
(108P)	11104-28-2	PCB-1221	10(
(109P)	11141-16-5	PCB-1232	10(
(110P)	12672-29-6	PCB-1248	10(
(111P)	11096-82-5	PCB-1260	10(
(112P)	12674-11-2	PCB-1016	10(
(113P)	8001-35-2	toxaphene	10(

DIOXINS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-2-84
DATE ANALYZED: 3-22-84
PERCENT MOISTURE: 30.3%

PP #	CAS #		or (circ
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	

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U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Medium Level Soils

Sample Number
C4849

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 34465
QC Report No:
Sample Matrix: Soil
Contract No.: 68-01-6725
Data Release Authorized By: J. Brady
Date Sample Received: 2-17-84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: LOW (MEDIUM) HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-2-84
DATE ANALYZED: 4-18-84
PERCENT MOISTURE: 29.0%

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 1.41
(Check Box for Appropriate Factor)

PP #	CAS #		ug/l ug/g (circle one)		PP #	CAS #		(circle one)
(21A)	88-06-2	2,4,6- trichlorophenol	65	U	(52B)	87-68-3	hexachlorobutadiene	50
(22A)	59-50-7	p-chloro-m-cresol	100	U	(53B)	77-47-4	hexachlorocyclopentadiene	50
(24A)	95-57-8	2- chlorophenol	50	U	(54B)	78-59-1	isophorone	50
(31A)	120-83-2	2,4-dichlorophenol	50	U	(55B)	91-20-3	naphthalene	50
(34A)	105-67-9	2,4-dimethylphenol	50	U	(56B)	98-95-3	nitrobenzene	50
(37A)	88-75-5	2- nitrophenol	50	U	(62B)	86-30-6	N-nitrosodiphenylamine	50
(38A)	100-02-7	4-nitrophenol	600	U	(63B)	621-64-7	N-nitrosodipropylamine	50
(39A)	51-28-5	2,4-dinitrophenol	300	U	(66B)	117-81-7	bis (2-ethylhexyl) phthalate	319 ~~50~~
(60A)	534-52-1	4,6-dinitro-2-methylphenol	200	U	(67B)	85-68-7	benzyl butyl phthalate	50
(64A)	87-86-5	pentachlorophenol	125	U	(68B)	84-74-2	di-n-butyl phthalate	50
(65A)	108-95-2	phenol	50	U	(69B)	117-84-0	di-n-octyl phthalate	50
	65-85-0	benzoic acid	450	U	(70B)	84-66-2	diethyl phthalate	50
	95-48-7	2-methylphenol	10	U	(71B)	131-11-3	dimethyl phthalate	50
	108-39-4	4-methylphenol	5	U	(72B)	56-55-3	benzo(a)anthracene	50
	95-95-4	2,4,5-trichlorophenol	500	U	(73B)	50-32-8	benzo(a)pyrene	100
(1B)	83-32-9	acenaphthene	50	U	(74B)	205-99-2	benzo(b)fluoranthene	125
(5B)	92-87-5	benzidine	200	U	(75B)	207-08-9	benzo(k)fluoranthene	100
(8B)	120-82-1	1,2,4-trichlorobenzene	50	U	(76B)	218-01-9	chrysene	200
(9B)	118-74-1	hexachlorobenzene	50	U	(77B)	208-96-8	acenaphthylene	50
(12B)	67-72-1	hexachloroethane	50	U	(78B)	120-12-7	anthracene	50
(13B)	111-44-4	bis(2-chloroethyl)ether	50	U	(79B)	191-24-2	benzo(ghi)perylene	125
(20B)	91-58-7	2-chloronaphthalene	50	U	(80B)	86-73-7	fluorene	50
(25B)	95-50-1	1,2-dichlorobenzene	50	U	(81B)	85-01-8	phenanthrene	125
(26B)	541-73-1	1,3-dichlorobenzene	50	U	(82B)	53-70-3	dibenzo(a,h)anthracene	125
(27B)	106-46-7	1,4-dichlorobenzene	50	U	(83B)	193-39-5	indeno(1,2,3-cd)pyrene	125
(28B)	91-94-1	3,3'-dichlorobenzidine	50	U	(84B)	129-00-0	pyrene	125
(35B)	121-14-2	2,4-dinitrotoluene	50	U		62-53-3	aniline	10
(36B)	606-20-2	2,6-dinitrotoluene	50	U		100-51-6	benzyl alcohol	50
(37B)	122-66-7	1,2-diphenylhydrazine	100	U		106-47-8	4-chloroaniline	125
(39B)	206-44-0	fluoranthene	50	U		132-64-9	dibenzofuran	25
(40B)	7005-72-3	4-chlorophenyl phenyl ether	90	U		91-57-6	2-methylnaphthalene	50
(41B)	101-55-3	4-bromophenyl phenyl ether	50	U		88-74-4	2-nitroaniline	450
(42B)	39638-32-9	bis (2-chloroisopropyl) ether	50	U		99-09-2	3-nitroaniline	350
(43B)	111-91-1	bis (2-chloroethoxy) methane	50	U		100-01-6	4-nitroaniline	500

AR000395

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U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
E 4849

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 846468
QC Report No:
Sample Matrix: Soil
Contract No.: 68-01-6725
Data Release Authorized By:
Date Sample Received: 2-17-84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-27-84
DATE ANALYZED: 2-27-84
PERCENT MOISTURE: 29.0 %

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 5.38
(Check Box for Appropriate Factor) COLLECTION FACTOR FOR DRY WT = 1.41

PP #	CAS #		ug/l or ug/kg (circle one)	PP #	CAS #		
(2V)	107-02-8	acrolein	170U	(44V)	75-09-2	methylene chloride	1
(3V)	107-13-1	acrylonitrile	180U	(45V)	74-87-3	chloromethane	1
(4V)	71-43-2	benzene	5U	(46V)	74-83-9	bromomethane	1
(6V)	56-23-5	carbon tetrachloride	6U	(47V)	75-25-2	bromoform	1
(7V)	108-90-7	chlorobenzene	5U	(48V)	75-27-4	bromodichloromethane	
(10V)	107-06-2	1,2-dichloroethane	10U	(49V)	75-69-4	fluorotrichloromethane	
(11V)	71-55-6	1,1,1-trichloroethane	5U	(50V)	75-71-8	dichlorodifluoromethane	
(13V)	75-34-3	1,1-dichloroethane	5U	(51V)	124-48-1	chlorodibromomethane	
(14V)	79-00-5	1,1,2-trichloroethane	663 5U	(55V)	127-18-4	tetrachloroethene	6 J
(15V)	79-34-5	1,1,2,2-tetrachloroethane	10U	(56V)	108-88-3	toluene	
(16V)	75-00-3	chloroethane	10U	(57V)	79-01-6	trichloroethene	12 J
(19V)	110-75-8	2-chloroethylvinyl ether	10U	(58V)	75-01-4	vinyl chloride	536 J
(23V)	67-66-3	chloroform	5U K		67-64-1	acetone	4
(29V)	75-35-4	1,1-dichloroethene	5U		78-93-3	2-butanone	NDB
(30V)	156-60-5	trans-1,2-dichloroethene	550 5U		75-15-0	carbondisulfide	
(32V)	78-87-5	1,2-dichloropropane	10U		519-78-6	2-hexanone	
(33V)	10061-02-6	trans-1,3-dichloropropene	8U		108-10-1	4-methyl-2-pentanone	
	10061-01-05	cis-1,3-dichloropropene	5U		100-42-5	styrene	
(38V)	100-41-4	ethylbenzene	8U		108-05-4	vinyl acetate	
					1330-20-7	O Xylenes	

000396

AR000396

Medium Level Soils

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C4849

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 846468
QC Report No:
Sample Matrix: soil
Contract No.: 68-01-6725
Data Release Authorized By: David C. Hill
Date Sample Received: 2-17-84

PESTICIDES

CONCENTRATION: LOW (MEDIUM) HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-25-84
DATE ANALYZED: 3-27-84
PERCENT MOISTURE: 29.0 %

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 1.41
(Check Box for Appropriate Factor)

PP #	CAS #		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	100 U
(90P)	60-57-1	dieldrin	100 U
(91P)	57-74-9	chlordane	500 U
(92P)	50-29-3	4,4'-DDT	500 U
(93P)	72-55-9	4,4'-DDE	500 U
(94P)	72-54-8	4,4'-DDD	500 U
(95P)	115-29-7	α-endosulfan	100 U
(96P)	115-29-7	β-endosulfan	100 U
(97P)	1031-07-8	endosulfan sulfate	100 U
(98P)	72-20-8	endrin	500 U
(99P)	7421-93-4	endrin aldehyde	100 U
(100P)	76-44-8	heptachlor	100 U
(101P)	1024-57-3	heptachlor epoxide	100 U
(102P)	319-84-6	α-BHC	500 U
(103P)	319-85-7	β-BHC	100 U
(104P)	319-86-8	δ-BHC	500 U
(105P)	58-89-9	γ-BHC (lindane)	500 U

PP #	CAS #		ug/l or ug/kg (circle one)
(106P)	53469-21-9	PCB-1242	1000
(107P)	11097-69-1	PCB-1254	2000
(108P)	11104-28-2	PCB-1221	1250
(109P)	11141-16-5	PCB-1232	1750
(110P)	12672-29-6	PCB-1248	2000
(111P)	11096-82-5	PCB-1260	2000
(112P)	12674-11-2	PCB-1016	1000
(113P)	8001-35-2	toxaphene	2000

DIOXINS

CONCENTRATION: LOW (MEDIUM) HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-2-84
DATE ANALYZED: 3-22-84
PERCENT MOISTURE: 29.0%

PP #	CAS #		ug/l or ug/kg (circle one)
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	500

July

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C 4883

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 846469
QC Report No:
Sample Matrix: SOIL
Contract No.: 68-01-6725
Data Release Authorized By:
Date Sample Received: 2-17-84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-27-84
DATE ANALYZED: 2-27-84
PERCENT MOISTURE: 53.8%

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 2.16
(Check Box for Appropriate Factor)

PP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	170U
(3V)	107-13-1	acrylonitrile	180U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	6U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	10U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U K
(15V)	79-34-5	1,1,2,2-tetrachloroethane	10U
(16V)	75-00-3	chloroethane	10U
(19V)	110-75-8	2-chloroethylvinyl ether	10U
(23V)	67-66-3	chloroform	5U K
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	10U
(33V)	10061-02-6	trans-1,3-dichloropropene	8U
	10061-01-05	cis-1,3-dichloropropene	5U
(38V)	100-41-4	ethylbenzene	8U

PP #	CAS #		ug/l or ug/kg (circle one)
(44V)	75-09-2	methylene chloride	5U
(45V)	74-87-3	chloromethane	10U
(46V)	74-83-9	bromomethane	10U
(47V)	75-25-2	bromoform	10U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	--
(50V)	75-71-8	dichlorodifluoromethane	--
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene 2095	5U
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	10U
(88V)	75-01-4	vinyl chloride	10U
	67-64-1	acetone	40U
	78-93-3	2-butanone NDB	5U
	75-15-0	carbondisulfide	5U
	519-78-6	2-hexanone	5U
	108-10-1	4-methyl-2-pentanone	6U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	5U
	1330-20-7	total xylenes	5U

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Medium Level Soils

Sample Number
C4833

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: EH6467
QC Report No:
Sample Matrix: Soil
Contract No.: 68-01-6725
Data Release Authorized By: G. Bandy
Date Sample Received: 2-17-84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: LOW (MEDIUM) HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-2-84
DATE ANALYZED: 4-18-84
PERCENT MOISTURE: 53.8%

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 21.6 (Check Box for Appropriate Factor)
CORRECTION FACTOR FOR DRY WT BASIS = 2.16

PP #	CAS #		ug/g
(21A)	88-06-2	2,4,6- trichlorophenol	65 U
(22A)	59-50-7	p-chloro-m-cresol	100 U
(24A)	95-57-8	2- chlorophenol	50 U
(31A)	120-83-2	2,4-dichlorophenol	50 U
(34A)	105-67-9	2,4-dimethylphenol	50 U
(57A)	88-75-5	2- nitrophenol	50 U
(58A)	100-02-7	4-nitrophenol	600 U
(59A)	51-28-5	2,4-dinitrophenol	300 U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	200 U
(64A)	87-86-5	pentachlorophenol	125 U
(65A)	108-95-2	phenol	50 U
	65-85-0	benzoic acid	450 U
	95-48-7	2-methylphenol	10 U
	108-39-4	4-methylphenol	5 U
	95-95-4	2,4,5-trichlorophenol	500 U
(1B)	83-32-9	acenaphthene	50 U
(5B)	92-87-5	benzidine	200 U
(8B)	120-82-1	1,2,4-trichlorobenzene	50 U
(9B)	118-74-1	hexachlorobenzene	50 U
(12B)	67-72-1	hexachloroethane	50 U
(18B)	111-44-4	bis(2-chloroethyl)ether	50 U
(20B)	91-58-7	2-chloronaphthalene	50 U
(25B)	95-50-1	1,2-dichlorobenzene	50 U
(26B)	541-73-1	1,3-dichlorobenzene	50 U
(27B)	106-46-7	1,4-dichlorobenzene	50 U
(28B)	91-94-1	3,3'-dichlorobenzidine	50 U
(35B)	121-14-2	2,4-dinitrotoluene	50 U
(36B)	606-20-2	2,6-dinitrotoluene	50 U
(37B)	122-66-7	1,2-diphenylhydrazine	100 U
(39B)	206-44-0	fluoranthene	50 U
(40B)	7005-72-3	4-chlorophenyl phenyl ether	80 U
(41B)	101-55-3	4-bromophenyl phenyl ether	50 U
(42B)	39638-32-9	bis (2-chloroisopropyl) ether	50 U
(43B)	111-91-1	bis (2-chloroethoxy) methane	50 U

PP #	CAS #		ug/g
(52B)	87-68-3	hexachlorobutadiene	50 U
(53B)	77-47-4	hexachlorocyclopentadiene	50 U
(54B)	78-59-1	isophorone	50 U
(55B)	91-20-3	naphthalene	50 U
(56B)	98-95-3	nitrobenzene	50 U
(62B)	86-30-6	N-nitrosodiphenylamine	50 U
(63B)	621-64-7	N-nitrosodipropylamine	50 U
(66B)	117-81-7	bis (2-ethylhexyl) phthalate 87,272	~~50 U~~
(67B)	85-68-7	benzyl butyl phthalate	50 U
(68B)	84-74-2	di-n-butyl phthalate	50 U
(69B)	117-84-0	di-n-octyl phthalate 72,532	~~50 U~~
(70B)	84-66-2	diethyl phthalate	50 U
(71B)	131-11-3	dimethyl phthalate	50 U
(72B)	56-55-3	benzo(a)anthracene	50 U
(73B)	50-32-8	benzo(a)pyrene	100 U
(74B)	205-99-2	benzo(b)fluoranthene	125 U
(75B)	207-08-9	benzo(k)fluoranthene	100 U
(76B)	218-01-9	chrysene	200 U
(77B)	208-96-8	acenaphthylene	50 U
(78B)	120-12-7	anthracene	50 U
(79B)	191-24-2	benzo(ghi)perylene	125 U
(80B)	86-73-7	fluorene	50 U
(81B)	85-01-8	phenanthrene	125 U
(82B)	53-70-3	dibenzo(a,h)anthracene	125 U
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	125 U
(84B)	129-00-0	pyrene	125 U
	62-53-3	aniline	10 U
	100-51-6	benzyl alcohol	50 U
	106-47-8	4-chloroaniline	125 U
	132-64-9	dibenzofuran	25 U
	91-57-6	2-methylnaphthalene	50 U
	88-74-4	2-nitroaniline	450 U
	99-09-2	3-nitroaniline	350 U
	100-01-6	4-nitroaniline	500 U

Medium Level Soils

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C4883

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 846469
QC Report No:
Sample Matrix: soil
Contract No.: 68-01-6725
Data Release Authorized By: David C. Hill
Date Sample Received: 2-17-84

PESTICIDES

CONCENTRATION: LOW (MEDIUM) HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-25-84
DATE ANALYZED: 3-27-84
PERCENT MOISTURE: 53.8%

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 2.16
(Check Box for Appropriate Factor)

PP #	CAS #		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	100 U
(90P)	60-57-1	dieldrin	100 U
(91P)	57-74-9	chlordane	500 U
(92P)	50-29-3	4,4'-DDT	500 U
(93P)	72-55-9	4,4'-DDE 2814	500 U
(94P)	72-54-8	4,4'-DDD	500 U
(95P)	115-29-7	α-endosulfan	100 U
(96P)	115-29-7	β-endosulfan	100 U
(97P)	1031-07-8	endosulfan sulfate	100 U
(98P)	72-20-8	endrin	500 U
(99P)	7421-93-4	endrin aldehyde	100 U
(100P)	76-44-8	heptachlor	100 U
(101P)	1024-57-3	heptachlor epoxide	100 U
(102P)	319-84-6	α-BHC	500 U
(103P)	319-85-7	β-BHC	100 U
(104P)	319-86-8	δ-BHC	500 U
(105P)	58-89-9	γ-BHC (lindane)	500 U

PP #	CAS #		ug/l or ug/kg (circle one)
(106P)	53469-21-9	PCB-1242	1000 U
(107P)	11097-69-1	PCB-1254	2000 U
(108P)	11104-28-2	PCB-1221	125
(109P)	11141-16-5	PCB-1232	1750 U
(110P)	12672-29-6	PCB-1248	2000 U
(111P)	11096-82-5	PCB-1260	2000 U
(112P)	12674-11-2	PCB-1016	1000 U
(113P)	8001-35-2	toxaphene	2000 U

DIOXINS

CONCENTRATION: LOW (MEDIUM) HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-2-84
DATE ANALYZED: 3-22-84
PERCENT MOISTURE: 53.8%

PP #	CAS #		ug/l or ug/kg (circle one)
(129S)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	500 U

July 1983

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AR000400

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C 49841

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 846470
QC Report No:
Sample Matrix: soil
Contract No.: 68-01-6725
Data Release Authorized By: J Bunday
Date Sample Received: 2-17-84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-29-84
DATE ANALYZED: 2-29-84
PERCENT MOISTURE: 30.2 %

ANALYZED IN TENAGE

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 13.227 (9.250 x 1.43)
(Check Box for Appropriate Factor) C.F FOR DRY WT = 1.43

PP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	170U
(3V)	107-13-1	acrylonitrile	180U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	6U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	10U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane 18,650	~~5U~~ 10U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	10U
(16V)	75-00-3	chloroethane	10U
(19V)	110-75-8	2-chloroethylvinyl ether	10U
(23V)	67-66-3	chloroform	~~5U~~ K
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	10U
(33V)	10061-02-6	trans-1,3-dichloropropene	8U
	10061-01-05	cis-1,3-dichloropropene	5U
(38V)	100-41-4	ethylbenzene	8U

PP #	CAS #		ug/l or ug/kg (circle on)
(44V)	75-09-2	methylene chloride	10U
(45V)	74-87-3	chloromethane	10U
(46V)	74-83-9	bromomethane	10U
(47V)	75-25-2	bromoform	10U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	--
(50V)	75-71-8	dichlorodifluoromethane	--
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene 5,388,000	~~5U~~
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	10U
(88V)	75-01-4	vinyl chloride	10U
	67-64-1	acetone	~~40U~~
	78-93-3	2-butanone NOB	~~5U~~
	75-15-0	carbondisulfide	5U
	519-78-6	2-hexanone	5U
	108-10-1	4-methyl-2-pentanone	6U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	5U
	1330-20-7	(o, m, p) xylenes	5U

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Medium Level Soils

Sample Number
C4884

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 346470
QC Report No:
Sample Matrix: Soil
Contract No.: 68-01-6725
Data Release Authorized By:
Date Sample Received: 2-17-84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: LOW (MEDIUM) HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-2-84
DATE ANALYZED: 4-18-84
PERCENT MOISTURE: 30.2%

Multiple Detection Limits by 1 ☐ or 10 ☐ or ☐ 1.43
(Check Box for Appropriate Factor)

PP #	CAS #		ug/L or ug/g (circle one)	
(21A)	88-06-2	2,4,6- trichlorophenol	65	U
(22A)	59-50-7	p-chloro-m-cresol	100	U
(24A)	95-57-8	2- chlorophenol	50	U
(31A)	120-83-2	2,4-dichlorophenol	50	U
(34A)	105-67-9	2,4-dimethylphenol	50	U
(57A)	88-75-5	2- nitrophenol	50	U
(58A)	100-02-7	4-nitrophenol	600	U
(59A)	51-28-5	2,4-dinitrophenol	300	U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	200	U
(64A)	87-86-5	pentachlorophenol	125	U
(65A)	108-95-2	phenol	50	U
	65-85-0	benzoic acid	450	U
	95-48-7	2-methylphenol	10	U
	108-39-4	4-methylphenol	5	U
	95-95-4	2,4,5-trichlorophenol	500	U
(1B)	83-32-9	acenaphthene	50	U
(5B)	92-87-5	benzidine	200	U
(8B)	120-82-1	1,2,4-trichlorobenzene	50	U
(9B)	118-74-1	hexachlorobenzene	50	U
(12B)	67-72-1	hexachloroethane	50	U
(18B)	111-44-4	bis(2-chloroethyl)ether	50	U
(20B)	91-58-7	2-chloronaphthalene	50	U
(25B)	95-50-1	1,2-dichlorobenzene	50	U
(26B)	541-73-1	1,3-dichlorobenzene	50	U
(27B)	106-46-7	1,4-dichlorobenzene	50	U
(28B)	91-94-1	3,3'-dichlorobenzidine	50	U
(35B)	121-14-2	2,4-dinitrotoluene	50	U
(36B)	606-20-2	2,6-dinitrotoluene	50	U
(37B)	122-66-7	1,2-diphenylhydrazine	100	U
(39B)	206-44-0	fluoranthene	50	U
(40B)	7005-72-3	4-chlorophenyl phenyl ether	80	U
(41B)	101-55-3	4-bromophenyl phenyl ether	50	U
(42B)	39638-32-9	bis (2-chloroisopropyl) ether	50	U
(43B)	111-91-1	bis (2-chloroethoxy) methane	50	U

PP #	CAS #		ug/L or ug/g (circle one)	
(52B)	87-68-3	hexachlorobutadiene	50	U
(53B)	77-47-4	hexachlorocyclopentadiene	50	U
(54B)	78-59-1	isophorone	50	U
(55B)	91-20-3	naphthalene	50	U
(56B)	98-95-3	nitrobenzene	50	U
(62B)	86-30-6	N-nitrosodiphenylamine	50	U
(63B)	621-64-7	N-nitrosodipropylamine	50	U
(66B)	117-81-7	bis (2-ethylhexyl) phthalate	915 Z 50	U
(67B)	85-68-7	benzyl butyl phthalate	50	U
(68B)	84-74-2	di-n-butyl phthalate	50	U
(69B)	117-84-0	di-n-octyl phthalate	50	U
(70B)	84-66-2	diethyl phthalate	50	U
(71B)	131-11-3	dimethyl phthalate	50	U
(72B)	56-55-3	benzo(a)anthracene	50	U
(73B)	50-32-8	benzo(a)pyrene	100	U
(74B)	205-99-2	benzo(b)fluoranthene	125	U
(75B)	207-08-9	benzo(k)fluoranthene	100	U
(76B)	218-01-9	chrysene	200	U
(77B)	208-96-8	acenaphthylene	50	U
(78B)	120-12-7	anthracene	50	U
(79B)	191-24-2	benzo(ghi)perylene	125	U
(80B)	86-73-7	fluorene	50	U
(81B)	85-01-8	phenanthrene	125	U
(82B)	53-70-3	dibenzo(a,h)anthracene	125	U
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	125	U
(84B)	129-00-0	pyrene	125	U
	62-53-3	aniline	10	U
	100-51-6	benzyl alcohol	50	U
	106-47-8	4-chloroaniline	125	U
	132-64-9	dibenzofuran	25	U
	91-57-6	2-methylnaphthalene	50	U
	88-74-4	2-nitroaniline	450	U
	99-09-2	3-nitroaniline	350	U
	100-01-6	4-nitroaniline	500	U

Medium Level Soils

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C4884

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 846470
QC Report No:
Sample Matrix: soil
Contract No.: 68-01-6725
Data Release Authorized By: David C. Stolb
Date Sample Received: 2-17-84

PESTICIDES

CONCENTRATION: LOW (MEDIUM) HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-25-84
DATE ANALYZED: 3-27-84
PERCENT MOISTURE: 30.2%

Multiply Detection Limits by 1 ☐ or 10 ☐ or ☒ 1.43
(Check Box for Appropriate Factor)

PP #	CAS #		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	100 U
(90P)	60-57-1	dieldrin	100 U
(91P)	57-74-9	chlordane	500 U
(92P)	50-29-3	4,4'-DDT	K ~~500 U~~
(93P)	72-55-9	4,4'-DDE	K 500 U
(94P)	72-54-8	4,4'-DDD	500 U
(95P)	115-29-7	α-endosulfan	100 U
(96P)	115-29-7	β-endosulfan	100 U
(97P)	1031-07-8	endosulfan sulfate	100 U
(98P)	72-20-8	endrin	500 U
(99P)	7421-93-4	endrin aldehyde	100 U
(100P)	76-44-8	heptachlor 223	~~100 U~~
(101P)	1024-57-3	heptachlor epoxide	100 U
(102P)	319-84-6	α-BHC	500 U
(103P)	319-85-7	β-BHC	100 U
(104P)	319-86-8	δ-BHC	500 U
(105P)	58-89-9	γ-BHC (lindane)	500 U

PP #	CAS #		ug/l or ug/kg (circle one)
(106P)	53469-21-9	PCB-1242	1000 U
(107P)	11097-69-1	PCB-1254	2000 U
(108P)	11104-28-2	PCB-1221	1250 U
(109P)	11141-16-5	PCB-1232	1750 U
(110P)	12672-29-6	PCB-1248	2000 U
(111P)	11096-82-5	PCB-1260	2000 U
(112P)	12674-11-2	PCB-1016	1000 U
(113P)	8001-35-2	toxaphene	2000 U

DIOXINS

CONCENTRATION: LOW (MEDIUM) HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-2-84
DATE ANALYZED: 3-22-84
PERCENT MOISTURE: 30.2%

PP #	CAS #		ug/l or ug/kg (circle one)
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	500 U

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C-4393

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 846471
QC Report No:
Sample Matrix: WATER
Contract No.: 68-01-6725
Data Release Authorized By:
Date Sample Received: 2-17-84

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-23-84
DATE ANALYZED: 2-23-84
PERCENT MOISTURE: (TRIP BLANK)

Multiply Detection Limits by 1 ☒ or 10 ☐ or ☐ _____
(Check Box for Appropriate Factor)

PP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	170U
(3V)	107-13-1	acrylonitrile	180U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	6U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	10U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	10U
(16V)	75-00-3	chloroethane	10U
(19V)	110-75-8	2-chloroethylvinyl ether	10U
(23V)	67-66-3	chloroform	5U 4
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	10U
(33V)	10061-02-6	trans-1,3-dichloropropene	8U
	10061-01-05	cis-1,3-dichloropropene	5U
(38V)	100-41-4	ethylbenzene	8U

PP #	GAS #		ug/l or ug/kg (circle one)
(44V)	75-09-2	methylene chloride	10U 4
(45V)	74-87-3	chloromethane	10U
(46V)	74-83-9	bromomethane	10U
(47V)	75-25-2	bromoform	10U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	--
(50V)	75-71-8	dichlorodifluoromethane	--
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene	5U
(86V)	108-88-3	toluene	5U 4
(87V)	79-01-6	trichloroethene	10U
(88V)	75-01-4	vinyl chloride	10U
	67-64-1	acetone	40U 4
	78-93-3	2-butanone	5U 4
	75-15-0	carbondisulfide	5U
	519-78-6	2-hexanone	5U 4
	108-10-1	4-methyl-2-pentanone	6U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	5U
	1330-20-7	total xylenes	5U

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Low Level Soil

Sample Number
C4893

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Case No: 2420
Lab Sample ID No: 946471
QC Report No:
Sample Matrix: Soil
Contract No.: 68-01-6725
Data Release Authorized By:
Date Sample Received: 2-17-84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-2-84
DATE ANALYZED: 4-15-84
PERCENT MOISTURE: Trip Blk

Multiply Detection Limits by 1 [X] or 10 [ ] or [ ] _____
(Check Box for Appropriate Factor)

PP #	CAS #		ug/l or ug/kg (circle one)	
(21A)	88-06-2	2,4,6- trichlorophenol	520	U
(22A)	59-50-7	p-chloro-m-cresol	400	U
(24A)	95-57-8	2- chlorophenol	400	U
(31A)	120-83-2	2,4-dichlorophenol	400	U
(34A)	105-67-9	2,4-dimethylphenol	400	U
(57A)	88-75-5	2- nitrophenol	4800	U
(58A)	100-02-7	4-nitrophenol	2400	U
(59A)	51-28-5	2,4-dinitrophenol	400	U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	400	U
(64A)	87-86-5	pentachlorophenol	400	U
(65A)	108-95-2	phenol	400	U
	65-85-0	benzoic acid	4000	U
	95-48-7	2-methylphenol	400	U
	108-39-4	4-methylphenol	400	U
	95-95-4	2,4,5-trichlorophenol	4000	U
(1B)	83-32-9	acenaphthene	400	U
(5B)	92-87-5	benzidine	1600	U
(8B)	120-82-1	1,2,4-trichlorobenzene	400	U
(9B)	118-74-1	hexachlorobenzene	400	U
(12B)	67-72-1	hexachloroethane	400	U
(18B)	111-44-4	bis(2-chloroethyl)ether	400	U
(20B)	91-58-7	2-chloronaphthalene	400	U
(25B)	95-50-1	1,2-dichlorobenzene	400	U
(26B)	541-73-1	1,3-dichlorobenzene	400	U
(27B)	106-46-7	1,4-dichlorobenzene	400	U
(28B)	91-94-1	3,3'-dichlorobenzidine	800	U
(35B)	121-14-2	2,4-dinitrotoluene	800	U
(36B)	606-20-2	2,6-dinitrotoluene	800	U
(37B)	122-66-7	1,2-diphenylhydrazine	800	U
(39B)	206-44-0	fluoranthene	400	U
(40B)	7005-72-3	4-chlorophenyl phenyl ether	640	U
(41B)	101-55-3	4-bromophenyl phenyl ether	400	U
(42B)	39638-32-9	bis (2-chloroisopropyl) ether	800	U
(43B)	111-91-1	bis (2-chloroethoxy) methane	800	U

PP #	CAS #		ug/l or ug/kg (circle one)	
(52B)	87-68-3	hexachlorobutadiene	400	U
(53B)	77-47-4	hexachlorocyclopentadiene	400	U
(54B)	78-59-1	isophorone	400	U
(55B)	91-20-3	naphthalene	400	U
(56B)	98-95-3	nitrobenzene	400	U
(62B)	86-30-6	N-nitrosodiphenylamine	400	U
(63B)	621-64-7	N-nitrosodipropylamine	400	U
(66B)	117-81-7	bis (2-ethylhexyl) phthalate	400	U
(67B)	85-68-7	benzyl butyl phthalate	400	U
(68B)	84-74-2	di-n-butyl phthalate	400	U
(69B)	117-84-0	di-n-octyl phthalate	400	U
(70B)	84-66-2	diethyl phthalate	400	U
(71B)	131-11-3	dimethyl phthalate	400	U
(72B)	56-55-3	benzo(a)anthracene	400	U
(73B)	50-32-8	benzo(a)pyrene	800	U
(74B)	205-99-2	benzo(b)fluoranthene	800	U
(75B)	207-08-9	benzo(k)fluoranthene	800	U
(76B)	218-01-9	chrysene	1600	U
(77B)	208-96-8	acenaphthylene	400	U
(78B)	120-12-7	anthracene	400	U
(79B)	191-24-2	benzo(ghi)perylene	800	U
(80B)	86-73-7	fluorene	400	U
(81B)	85-01-8	phenanthrene	400	U
(82B)	53-70-3	dibenzo(a,h)anthracene	800	U
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	800	U
(84B)	129-00-0	pyrene	400	U
	62-53-3	aniline	400	U
	100-51-6	benzyl alcohol	800	U
	106-47-8	4-chloroaniline	2000	U
	132-64-9	dibenzofuran	400	U
	91-57-6	2-methylnaphthalene	800	U
	88-74-4	2-nitroaniline	4000	U
	99-09-2	3-nitroaniline	4000	U
	100-01-6	4-nitroaniline	4000	U

Low Level Soil

S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
C 4893

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Hazleton Laboratories America
Lab Sample ID No: 846471
Sample Matrix: Soil
Data Release Authorized By: David C. Hill

Case No: 2420
QC Report No:
Contract No.: 68-01-6725
Date Sample Received: 2-17-84

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-25-84
DATE ANALYZED: 3-28-84
PERCENT MOISTURE: (TRIP BLANK)

Multiply Detection Limits by 1 [X] or 10 [ ] or [ ] _____
(Check Box for Appropriate Factor)

PP #	CAS #		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	2.0U
(90P)	60-57-1	dieldrin	2.0U
(91P)	57-74-9	chlordane	20.0U
(92P)	50-29-3	4,4'-DDT	10.0U
(93P)	72-55-9	4,4'-DDE	10.0U
(94P)	72-54-8	4,4'-DDD	10.0U
(95P)	115-29-7	α-endosulfan	2.0U
(96P)	115-29-7	β-endosulfan	10.0U
(97P)	1031-07-8	endosulfan sulfate	10.0U
(98P)	72-20-8	endrin	10.0U
(99P)	7421-93-4	endrin aldehyde	2.0U
(100P)	76-44-8	heptachlor	2.0U
(101P)	1024-57-3	heptachlor epoxide	2.0U
(102P)	319-84-6	α-BHC	10.0U
(103P)	319-85-7	β-BHC	2.0U
(104P)	319-86-8	δ-BHC	20.0U
(105P)	58-89-9	γ-BHC (lindane)	10.0U

PP #	CAS #		ug/l or ug/kg (circle or
(106P)	53469-21-9	PCB-1242	100.0U
(107P)	11097-69-1	PCB-1254	100.0U
(108P)	11104-28-2	PCB-1221	100.0U
(109P)	11141-16-5	PCB-1232	100.0U
(110P)	12672-29-6	PCB-1248	100.0U
(111P)	11096-82-5	PCB-1260	100.0U
(112P)	12674-11-2	PCB-1016	100.0U
(113P)	8001-35-2	toxaphene	100.0U

DIOXINS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 3-2-84
DATE ANALYZED: 3-22-84
PERCENT MOISTURE: ____

PP #	CAS #		ug/l or ug/kg (circle or
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.1U

July 19

00040

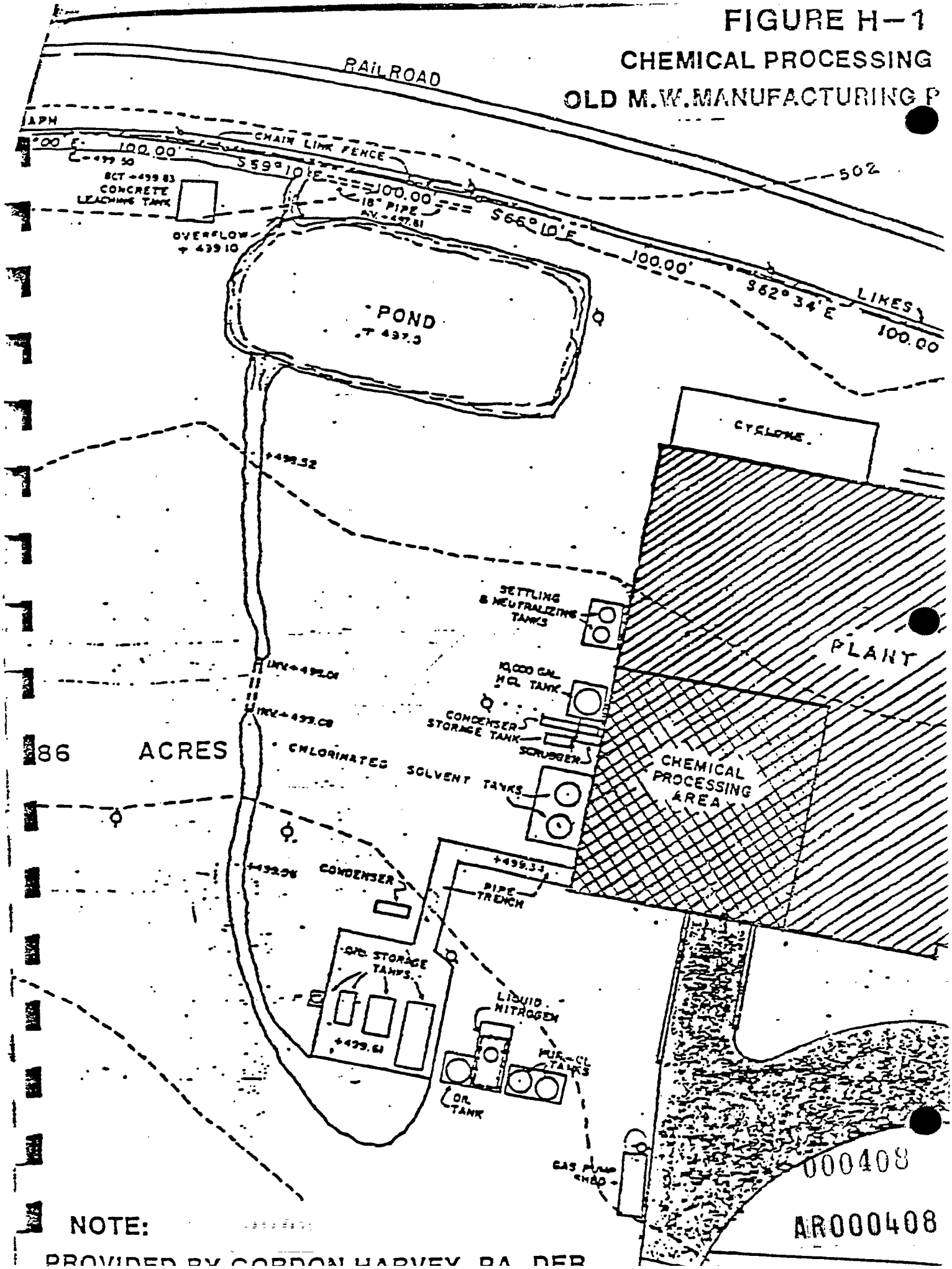
AR000406

APPENDIX F

FIGURE H-1

CHEMICAL PROCESSING

OLD M.W.MANUFACTURING P

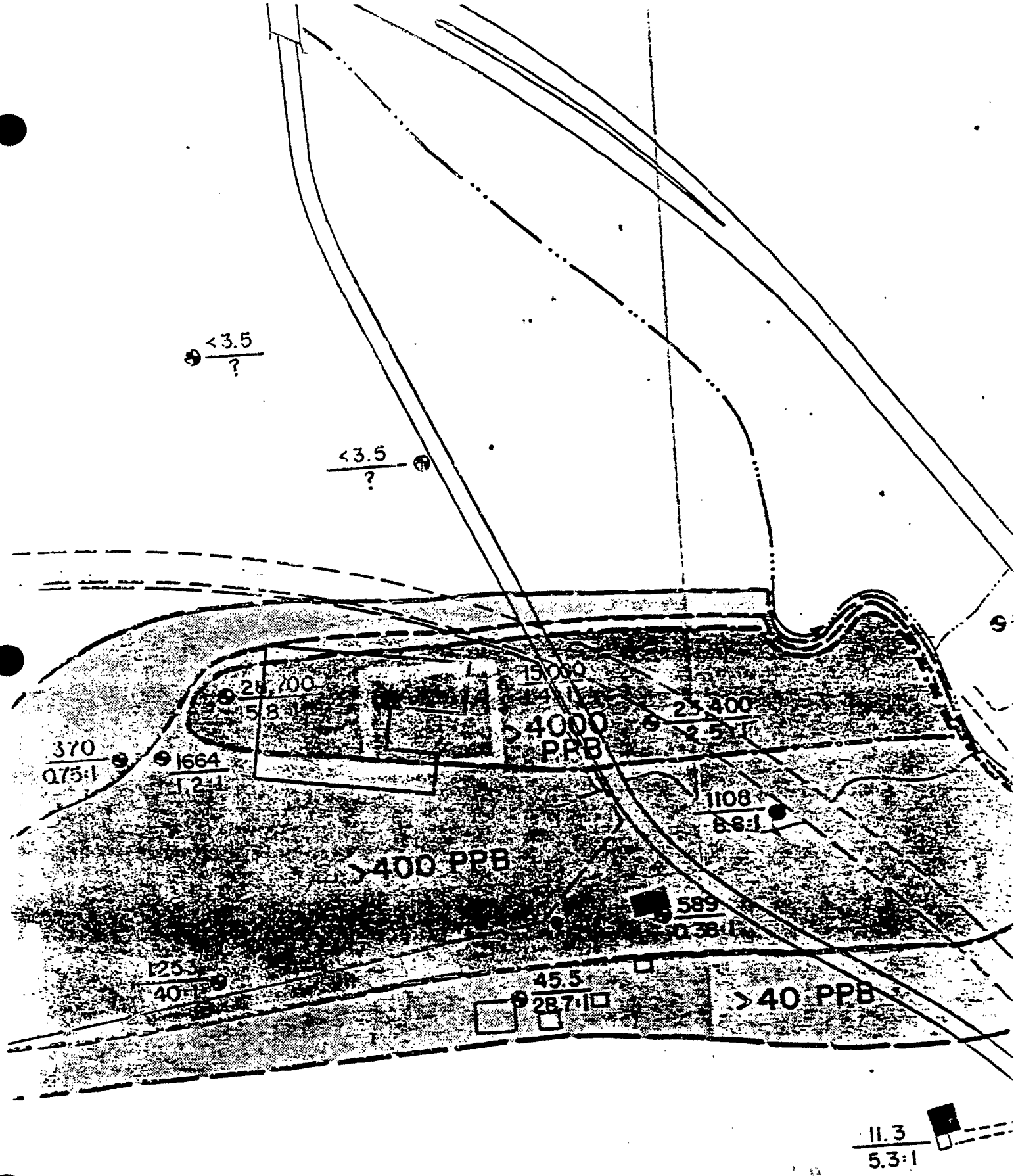


NOTE:

PROVIDED BY GORDON HARVEY, RA, DER

000408

AR000408



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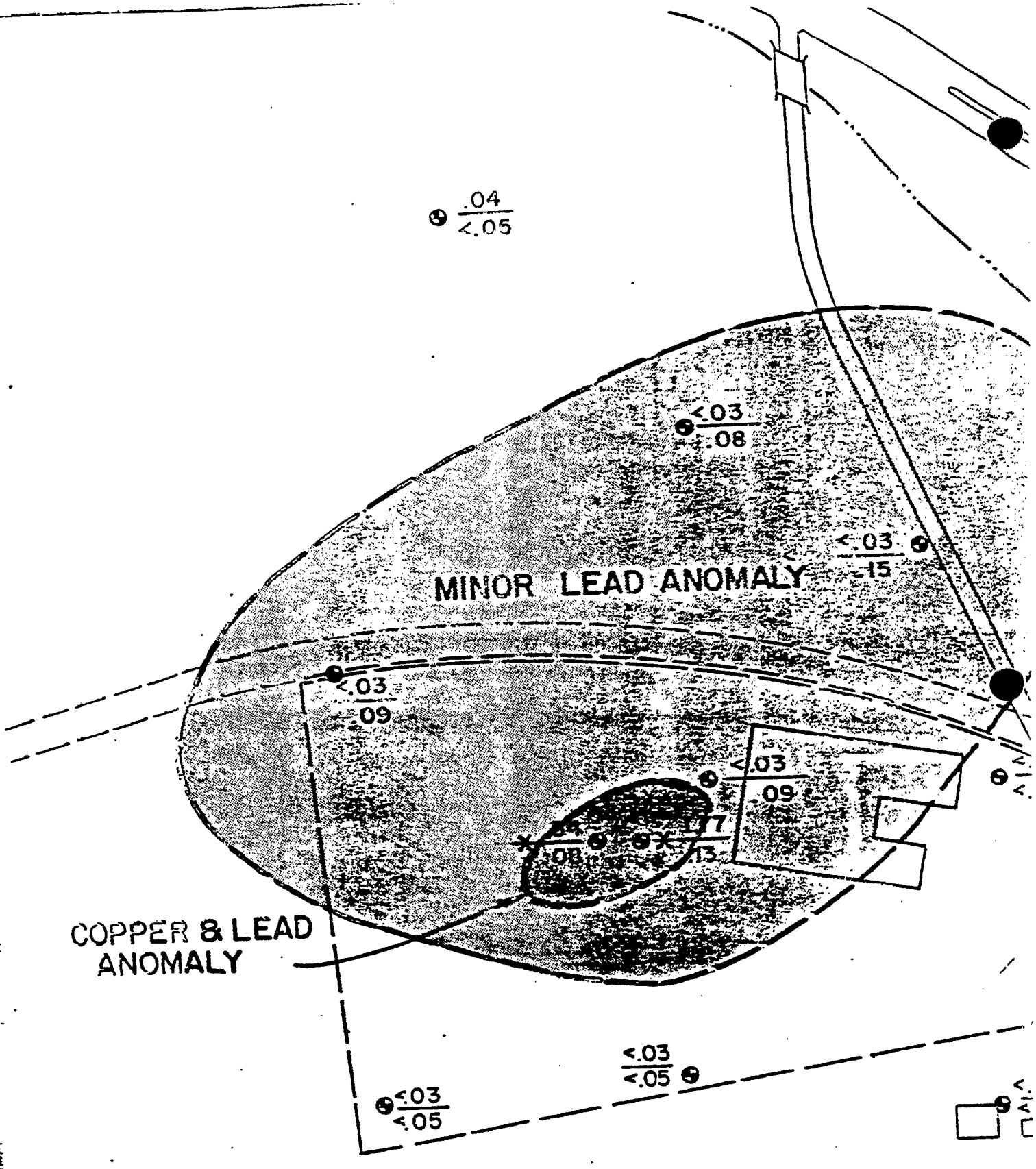
AR000409

TOTAL VOLATILE CHLORINATED HYDROCARBONS – PP

TCE, TRANS 1,2 DICHLOROETHYLENE, & 1,1,2 TRICHLOF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MINOR LEAD ANOMALY
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.13
COPPER & LEAD
ANOMALY
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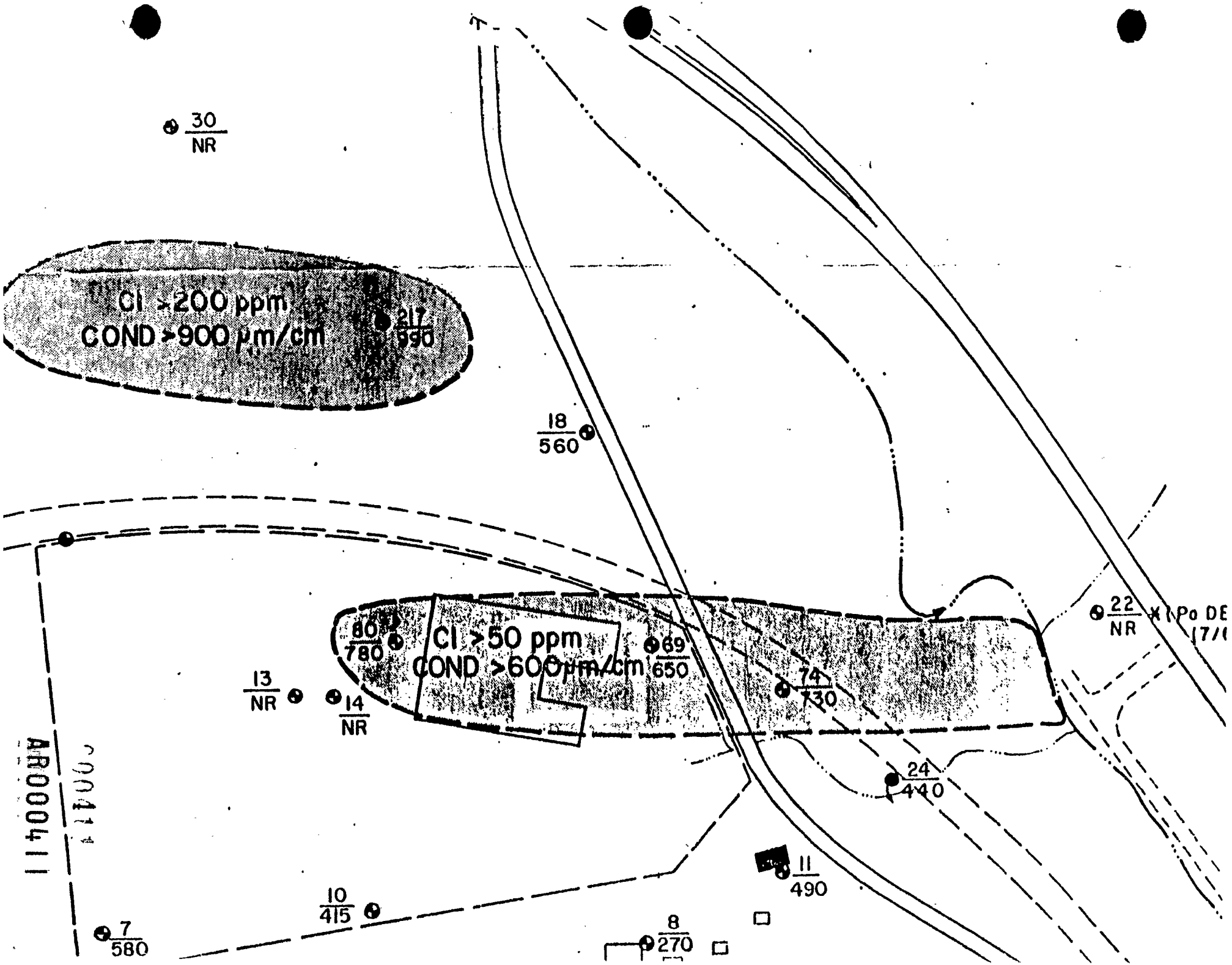
<.03
<.05


30
NR
Cl >200 ppm
COND >900 µm/cm
217
590
18
560
80
780
Cl >50 ppm
COND >600µm/cm
69
650
74
730
13
NR
14
NR
22
NR
24
440
11
490
10
415
7
580
8
270
AR000411