67730

ORIGINAL (Red)

APPENDICES FOR THE SITE INSPECTION OF EXTON AREA TDD NO. F3-8505-13

APPENDIX A

ORIGINAL
(Red)

1 COST CENTER / ACCOUNT NO	REM/FIT ZONE CONTRACT TECHNICAL DIRECTIVE DOCUMENT (TDD)	2 NO F3-8505-13A

3 PRIORITY	4 ESTIMATE OF TECHNICAL HOURS	5 EPA SITE ID	6 COMPLETION DATE	7 REFERENCE INFO
[x] HIGH [ ] MEDIUM [ ] LOW	350		3 wks. after QA	[x] YES [ ] NO [ ] ATTACHED [x] PICK UP
	4A ESTIMATE OF SUBCONTRACT COST	5A EPA SITE NAME Exton Area Study Exton, pA		

8 GENERAL TASK DESCRIPTION Perform a site inspection of the subject site.

9 SPECIFIC ELEMENTS 1. The study consists of: ADW Frank, Autocar Trucks, Mid County Mustang.

2.) Review background information, refer TDD F3-8504-29, 8504-30 and F3-8504-31

3.) Contact state and local agencies for relevant information.

4.) Prepare and submit sampling plan to EPA for approval.

5.) Coordinate lab analysis, arrange for site access.

6.) Conduct on and off site inspection and sampling.

7.) Prepare and submit field trip report, due 2 wks. after site inspection.

8.) Perform Quality Assurance Review of lab data.

9.) Prepare and submit report, discuss sites separately, prepare SI forms, include in cover letter recommednations for need of HRS.

10 INTERIM DEADLINES

11 DESIRED REPORT FORM FORMAL REPORT [x] LETTER REPORT [ ] FORMAL BRIEFING [ ]

10.) All work on this project to be performed acccording to: WP-SI-1, Rev.1

OTHER (SPECIFY)

Ammendment due to additional hours required to perform sampling, i.e., 8 people, 2 days

12 COMMENTS

State Code 042 County Code 029

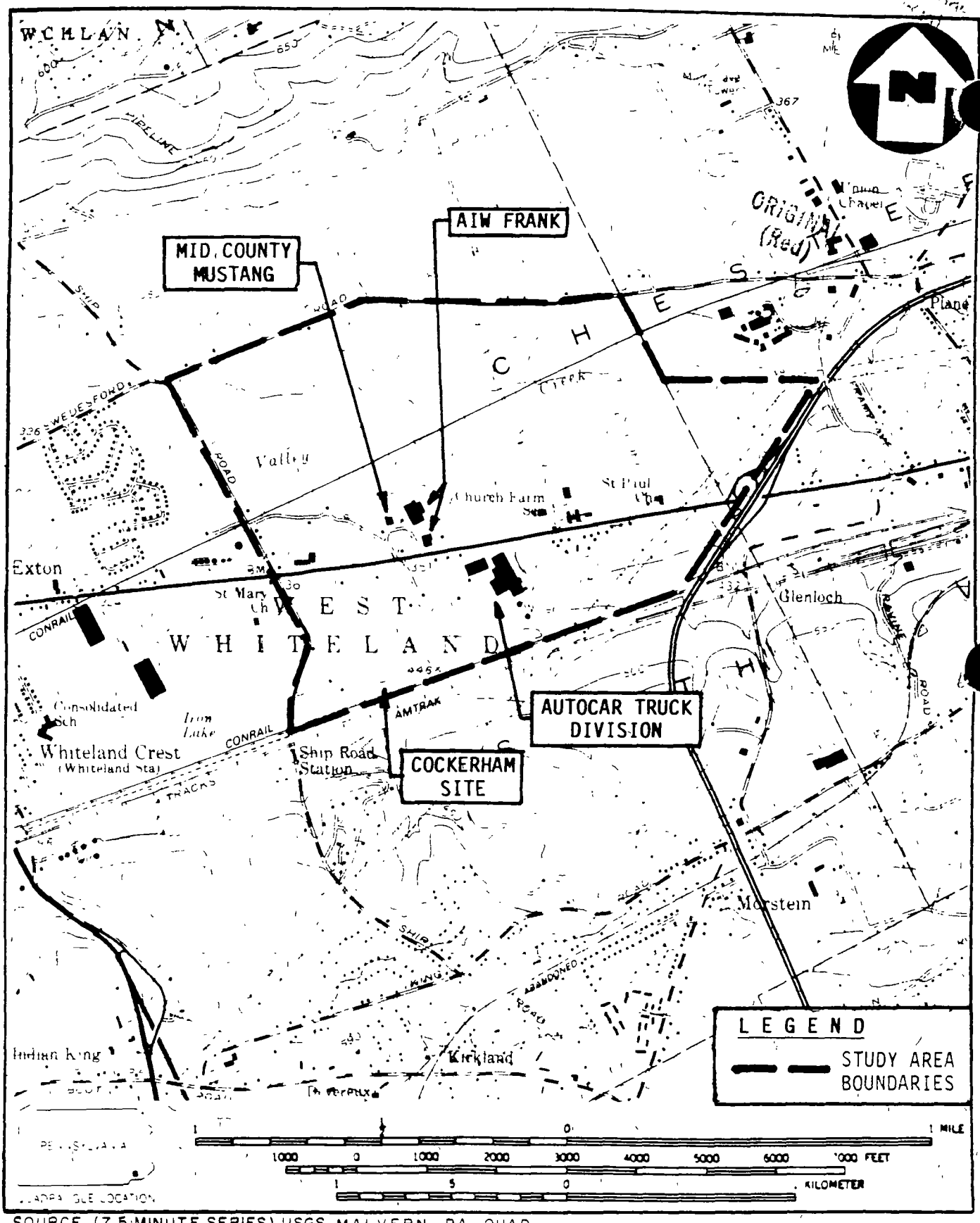
13 AUTHORIZING RPO	14 DATE
Harold G Beyer (SIGNATURE)	3/5/86

15 RECEIVED BY	16 DATE
[x] ACCEPTED [ ] ACCEPTED WITH EXCEPTIONS [ ] REJECTED (CONTRACTOR RPM SIGNATURE)	3/6/86

Sheet 1 White – EITL Copy Sheet 3 Pink – Contracting Officer's Copy (Washington, D.C.)

ORIGINAL (Red)

APPENDIX B



SOURCE (7 5 MINUTE SERIES) USGS MALVERN, PA QUAD

LOCATION OF EXTON AREA STUDY

EXTON AREA STUDY, EXTON, PA

SCALE 1 24000

FIGURE 1

NUS CORPORATION

A Halliburton Company

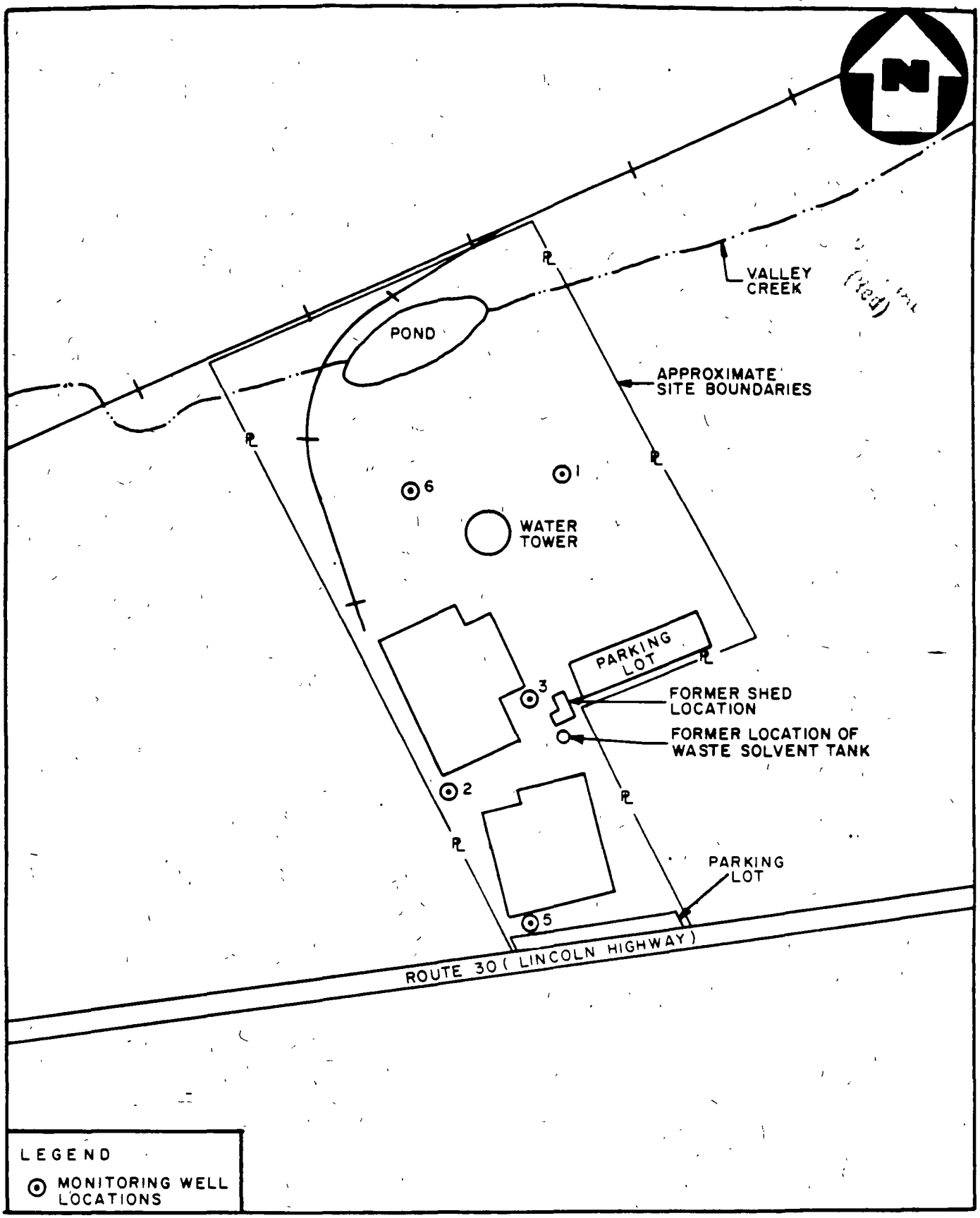


FIGURE 2

SITE SKETCH

A.I.W. FRANK, EXTON, PA.

(NO SCALE)

AR100234

NUS CORPORATION

A Halliburton Company

Case #/SAS #: 5215
Level: Low
Matrix: Water
QC Report #: 16162-845

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

Contract #: 68-01-6962

Job #: 35030

SMO TR # (Sample #)	Volatile			Semi-volatile						Pesticide
	T-d8 88-110	BFB 86-115	DCE-d4 76-114	N-d5 35-114	2-Fb 43-116	Tp-d14 33-141	P-d5 10- 94	2-FP 21-100	TBrP 10-123	DiBuCl** 24-154
C78166	98	102	104	63	58	38	43	44	37	4*
C78166RE	NA	→	→	NA	→	→	→	→	→	58
C78167	100	102	106	20*	20*	15*	27	75	68	47
CC398	100	102	100	31*	33*	33	37	52	37	53
CB868	97	105	107	18*	27*	19*	32	33	24	10*
CB869	96	106	110	53	53	27*	37	33	31	44
CB873	94	102	98	37	40*	20*	0*	36	41	58
CB875	100	100	100	8*	16*	27*	52	54	51	64
CB876	96	102	100	59	54	30*	39	37	28	36
CB877	96	104	108	61	54	34	62	57	54	54
Blank219	100	100	100	66	63	42	56	62	49	75
Blank229	100	100	100	Not Analyzed			Not Analyzed			82
Blank222	100	100	100							NA
MB1205R1RE	NA	→	→							79
Recovery Summary	0/9	0/9	0/9	4/9	5/9	6/9	1/9	0/9	0/9	2/10

Comments: _____

* Values outside QC Limits.
** Advisory Limits Only.
NA - Not Analyzed
NS - Not Spiked
NR - Not Reported
-- Analyzed under another QC Report

Volatiles: 0 out of 36 outside QC Limits
Semi-volatiles: 16 out of 60 outside QC Limits
Pesticides: 2 out of 13 outside QC Limits

Recovery Summary = #'s Outside QC Limits / Total #'s Reported
(Does not include Method Blanks)

ORIGINAL
(Red)

Rev 8/85

WATER MS/MSD RECOVERY

Case #/SAS #: 5215
Level: Low
Matrix: Water
QC Report #: 6962-247

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

Contract #: 68-01-6962

Units: ug/L

Fraction	Compound	ug/L Spiked	Conc. Sample	Conc. MS	% Rec MS	Conc. MSD	% Rec MSD	RPD	QC Limits * RPD	QC Limits * Recovery
VOA SMO Sample # CB892	1,1-Dichloroethene	50.	5U	54	107	55	109	2	<14	61-145
	Trichloroethene	↓	↓	44	88	45	90	2	<14	71-120
	Chlorobenzene			48	96	47	94	2	<13	75-130
	Toluene			48	96	49	98	2	<13	76-125
	Benzene			45	90	45	90	0	<11	76-127
B/N SMO Sample # CB880	1,2,4-Trichlorobenzene	103.	400U	66 J	64	80 J	78	19	<28	39- 98
	Acenaphthene	100.		40 J	40*	63 J	63	44*	<31	46-118
	2,4-Dinitrotoluene	101.		400U	0*	400U	0*	0	<38	24- 96
	Pyrene	103.		52 J	51	69J	67	28	<31	26-127
	N-Nitroso-di-n-propylamine	102.		53 J	52	67J	66	23	<38	41-116
	1,4-Dichlorobenzene	101.	↓	55 J	55	65J	64	16	<28	36- 97
Acid SMO Sample # CB880	Pentachlorophenol	206.	2000U	2000U	0*	2000U	0*	0	<50	9-103
	Phenol	202.	400U	400U	0*	400U	2*	158*	<42	12- 89
	2-Chlorophenol	212.		400U	0*	400U	0*	0	<40	27-123
	4-Chloro-3-methylphenol	205.		400U	0*	400U	0*	0	<42	23- 97
	4-Nitrophenol	215.	2000U	2000U	0*	2000U	0*	0	<50	10- 80
Pest. SMO Sample # CB880	Lindane (gamma-BHC)	0.200	0 (0.05U)	0.13	65	0.10	50	20*	<15	56-123
	Heptachlor	0.205		0.076	37*	0.054	26*	34*	<20	40-131
	Aldrin	0.204	↓	0.021 J	10*	0.014 J	6.9*	40*	<22	40-120
	Dieldrin	0.509	0 (0.1U)	0.26	51*	0.18	35*	36*	<18	52-126
	Endrin	0.523		0.29	55*	0.22	42*	27*	<21	56-121
	4,4'-DDT	0.504	↓	0.29	58	0.26	52	11	<27	38-127

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

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

NA - Not Analyzed
NR - (Spiked but) Not Reported
NS - Not Spiked

RPD: VOA's 0 out of 5 outside QC Limits
B/N's 1 out of 6 outside QC Limits
Acids 1 out of 5 outside QC Limits
Pests 5 out of 6 outside QC Limits

Recovery: VOA's 0 out of 10 outside QC Limits
B/N's 3 out of 12 outside QC Limits
Acids 10 out of 10 outside QC Limits
Pests 8 out of 12 outside QC Limits

Comments: _____

Rev 8/85

AR100236

WATER MS/MSD RECOVERY

Ca[redacted]SAS #: 5215
Leve[redacted]: Low
Matrix: Water
QC Report #: 6962-265

Labo[redacted]ry: IT/Cerritos
Quali[redacted] Control Report
Matrix Spike(MS and MSD)
% Recovery and RPD Summary

Contract #: 68-[redacted]6962

Units: ug/L

Fraction	Compound	ug/L Spiked	Conc. Sample	Conc. MS	% Rec MS	Conc. MSD	% Rec MSD	RPD	QC Limits * RPD	QC Limits * Recovery
VOA SMO Sample # CB466	1,1-Dichloroethene	50.	5U	67	133	69	137	3	<14	61-145
	Trichloroethene	↓	↓	55	109	55	109	0	<14	71-120
	Chlorobenzene			58	115	59	117	2	<13	75-130
	Toluene			60	119	61	121	2	<13	76-125
	Benzene	↓	↓	58	115	58	115	0	<11	76-127
B/N SMO Sample # CB463	1,2,4-Trichlorobenzene	104.	20U	32	31*	31	30*	3	<28	39-98
	Acenaphthene	101.		29	29*	34	34*	15	<31	46-118
	2,4-Dinitrotoluene	101.		26	26	29	29	10	<38	24-96
	Pyrene	104.		29	28	37	36	24	<31	26-127
	N-Nitroso-di-n-propylamine	103.		34	33*	26	25*	27	<38	41-116
	1,4-Dichlorobenzene	102.	↓	27	27*	30	30*	10	<28	36-97
Acid SMO Sample # CB463	Pentachlorophenol	207.	100U	90 J	44	8 J	4*	166*	<50	9-103
	Phenol	203.	20U	110	54	55	27	67*	<42	12-89
	2-Chlorophenol	213.		120	56	43	20*	94*	<40	27-123
	4-Chloro-3-methylphenol	206.	↓	83	40	59	29	34	<42	23-97
	4-Nitrophenol	216.	100U	120	56	6 J	3*	180*	<50	10-80
Pest. SMO Sample # CB470	Lindane (gamma-BHC)	0.200	0 (0.05U)	0.21	100	0.20	100	5	<15	56-123
	Heptachlor	0.205		0.14	68	0.16	78	13	<20	40-131
	Aldrin	0.204	↓	0.12	59	0.13	64	8	<22	40-120
	Dieldrin	0.509	0 (0.1U)	0.40	78	0.43	84	7	<18	52-126
	Endrin	0.523	↓	0.78	150*	0.83	160*	6	<21	56-121
	4,4'-DDT	0.604		0.44	87	0.72	140*	48*	<27	38-127

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

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

NA - Not Analyzed
NR - (Spiked but) Not Reported
NS - Not Spiked

RPD: VOA's 0 out of 5 outside QC Limits
B/N's 0 out of 6 outside QC Limits
Acids 4 out of 5 outside QC Limits
Pests 1 out of 6 outside QC Limits

Recovery: VOA's 0 out of 10 outside QC Limits
B/N's 8 out of 12 outside QC Limits
Acids 3 out of 10 outside QC Limits
Pests 3 out of 12 outside QC Limits

ORIGINAL

Comments: _____

Rev 8/85

AR100237

Case #/SAS #: 5215 Laboratory: IT/Carrito Contract #: 68-01-6962
Level: Low Quality Control Report
Matrix: Water Surrogate Recovery (%)
QC Report #: 6962-245 Job #: 35029

SMO TR # (Sample #)	Volatile			Semi-volatile						Pesticide
	T-d8 88-110	BFB 86-115	DCE-d4 76-114	N-d5 35-114	2-Fb 43-116	Tp-d14 33-141	P-d5 10- 94	2-FP 21-100	TBrP 10-123	DiBuCl** 24-154
CB463	99	101	102	59	55	54	67	58	69	43
CB463MS	NA	→	→	29*	30*	23*	57	59	41	NA
CB463MSD	NA	→	→	26*	29*	26*	28	7*	6*	NA
CB464	100	102	102	56	51	35	3*$	63	85	69
CB464RI	NA	→	→	75	73	50	3*$	83	91	NA
CB465	98	100	102	54	51	33	62	58	71	71
CB466	98	102	102	69	67	38	76	71	91	77
CB466MS	100	102	104	NA	→	→	NA	→	→	NA
CB466MSD	100	102	104	NA	→	→	NA	→	→	NA
CB467	98	100	100	78	90	59	85	78	83	99
CB468	99	102	105	61	57	45	18	70	89	80
CB469	98	100	104	57	54	41	82	80	90	57
CB470	100	102	104	74	68	43	72	68	73	60
CB470MS	NA	→	→	NA	→	→	NA	→	→	86
CB470MSD	NA	→	→	NA	→	→	NA	→	→	83
CB471	98	102	104	68	65	21*	78	67	75	60
MB Blank219 LS	100	100	100	72	68	39	70	61	72	60
MB 35029A1 LS	NA	→	→	77	71	48	72	74	87	69
Recovery Summary	Ø/11	Ø/11	Ø/11	2/12	2/12	3/12	2/12	1/12	1/12	Ø/11

Comments:
$ - Low Recoveries Due to Matrix Effects.

* Values outside QC Limits.
** Advisory Limits Only.
NA - Not Analyzed
NS - Not Spiked
NR - Not Reported
-- Analyzed under another QC Report

Volatiles: Ø out of 36 outside QC Limits
Semi-volatiles: 11 out of 84 outside QC Limits
Pesticides: Ø out of 13 outside QC Limits

Recovery Summary = #'s Outside QC Limits / Total #'s Reported (Does not include Method Blanks)

ORIGINAL (Red)

Rev 8/85

Case #/SAS #: 5215
Level: Low
Matrix: Water
QC Report #: 6962-245

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

Contract #: 68-01-6962

Job #: 35030RE

SMO TR # (Sample #)	Volatile			Semi-volatile						Pesticide
	T-d8 88-110	BFB 86-115	DCE-d4 76-114	N-d5 35-114	2-Fb 43-116	Tp-d14 33-141	P-d5 10- 94	2-FP 21-100	TBrP 10-123	DiBuCl** 24-154
CB967RE				38	59	48	58	62	77	NA
CB969RE				75*	39*	49	14	66	65	
CB973RE				68	90	107	5*	19*	81	
CB975RE				62	73	76	4*	81	91	
CC399RE				46	63	79	39	77	95	
MB35030AB1				91	91	76	72	56	80	
MB35030AB4				98	89	94	58	43	73	
Recovery Summary	NA			1/5	1/5	0/5	2/5	1/5	0/5	NA

Not Analyzed

Comments:
% Recovery of Phenol-d2 + Phenol-d5 for sample CB975RE = 44%.

* Values outside QC Limits.
** Advisory Limits Only.
NA - Not Analyzed
NS - Not Spiked
NR - Not Reported
-- Analyzed under another QC Report

Volatiles: — out of — outside QC Limits
Semi-volatiles: 5 out of 42 outside QC Limits
Pesticides: — out of — outside QC Limits

Recovery Summary = #'s Outside QC Limits / Total #'s Reported
(Does not include Method Blanks)

ORIGINAL (Red)

Rev 8/85

Case #/SAS #: 5215 Laboratory: IT/Carrito Contract #: 68-01-6962
Level: Low Quality Control Report
Matrix: Water Surrogate Recovery (%)
QC Report #: 6962-245 Job #: 35031

SMO TR # (Sample #)	Volatile			Semi-volatile						Pesticide
	T-d8 88-110	BFB 86-115	DCE-d4 76-114	N-d5 35-114	2-Fb 43-116	Tp-d14 33-141	P-d5 10- 94	2-FP 21-100	TBrP 10-123	DiBuCl** 24-154
CB887	98	102	102	42	39*	32*	72	72	77	84
CB888	100	103	104	78	68	39	74	70	71	56
MB 8[illegible]222 LS	100	100	100	62	55	36	79	77	87	77
MB 1502-6 LS	NA	→	→	NA	→	→	NA	→	→	70
MB 1502-14 LS	NA	→	→	NA	→	→	NA	→	→	110
Recovery Summary	0/2	0/2	0/2	0/2	1/2	1/2	0/2	0/2	0/2	0/2

Comments:

* Values outside QC Limits.
** Advisory Limits Only.
NA - Not Analyzed
NS - Not Spiked
NR - Not Reported
-- Analyzed under another QC Report

Volatiles: 0 out of 9 outside QC Limits
Semi-volatiles: 2 out of 18 outside QC Limits
Pesticides: 0 out of 5 outside QC Limits

Recovery Summary = #'s Outside QC Limits / Total #'s Reported
(Does not include Method Blanks)

ORIGINAL
(Red)

WATER MS/MSD RECOVERY

Case [redacted] AS #: 5215
Level: low
Matrix: Water
QC Report #: 6962-245

Labo[redacted]y: IT/Cerritos
Quali[redacted]ontrol Report
Matrix Spike(MS and MSD)
% Recovery and RPD Summary

Contract #: 68-01-[redacted]
pot 35029 RE
Units: ug/L

Fraction	Compound	ug/L Spiked	Conc. Sample	Conc. MS	% Rec MS	Conc. MSD	% Rec MSD	RPD	QC Limits * RPD	QC Limits * Recovery
VOA SMO Sample # _____	1,1-Dichloroethene								<14	61-145
	Trichloroethene								<14	71-120
	Chlorobenzene								<13	75-130
	Toluene								<13	76-125
	Benzene								<11	76-127
B/N SMO Sample # CB463RE	1,2,4-Trichlorobenzene	104	20U	84	81	73	70	14	<28	39- 98
	Acenaphthene	101		85	84	76	75	11	<31	46-118
	2,4-Dinitrotoluene	101		77	76	71	70	8	<38	24- 96
	Pyrene	104		58	56	52	50	11	<31	26-127
	N-Nitroso-di-n-propylamine	102		82	80	77	76	6	<38	41-116
	1,4-Dichlorobenzene	102		66	65	60	59	10	<28	36- 97
Acid SMO Sample # CB463(RE)	Pentachlorophenol	207	100U	201	15	581	28	-63*	<50	9-103
	Phenol	203	20U	120	59	120	59	0	<42	12- 89
	2-Chlorophenol	213		130	61	150	71	-14	<40	27-123
	4-Chloro-3-methylphenol	206		79	38	100	49	-23	<42	23- 97
	4-Nitrophenol	216	100U	210	97*	210	97*	0	<50	10- 80
Pest. SMO Sample # _____	Lindane (gamma-BHC)								<15	56-123
	Heptachlor								<20	40-131
	Aldrin								<22	40-120
	Dieldrin								<18	52-126
	Endrin								<21	56-121
	4,4'-DDT								<27	38-127

ART00241

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

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

NA - Not Analyzed
NR - (Spiked but) Not Reported
NS - Not Spiked

RPD: VOA's ___ out of ___ outside QC Limits
B/N's 0 out of 6 outside QC Limits
Acids 1 out of 5 outside QC Limits
Pests ___ out of ___ outside QC Limits

Recovery: VOA's ___ out of ___ outside QC Limits
B/N's 0 out of 12 outside QC Limits
Acids 2 out of 10 outside QC Limits
Pests ___ out of ___ outside QC Limits

ORIGINAL (Red)

Comments: _____

Rev 8/85

Case #/SAS #: 5215 Laboratory: IT/Carrito Contract #: 68-01-6962
Level: low Quality Control Report
Matrix: Water Surrogate Recovery (%)
QC Report #: 6962-245 Job #: 35029 RE

SMO TR # (Sample #)	Volatile			Semi-volatile						Pesticide
	T-d8 88-110	BFB 86-115	DCE-d4 76-114	N-d5 35-114	2-Fb 43-116	Tp-d14 33-141	P-d5 10- 94	2-FP 21-100	TBrP 10-123	DiBuCl** 24-154
CB463MS RE		Not Analyzed		86	87	65	69	63	21	NA
CB463MSD RE				73	80	62	77	63	46	
CB464 RE				51	79	67	56	60	62	
MB35029AB1				58	90	89	80	80	75	
Recovery Summary	NA			Ø/3	Ø/3	Ø/3	Ø/3	Ø/3	Ø/3	NA

Comments:

* Values outside QC Limits.
** Advisory Limits Only.
NA - Not Analyzed
NS - Not Spiked
NR - Not Reported
-- Analyzed under another QC Report

Volatiles: ___ out of ___ outside QC Limits
Semi-volatiles: Ø out of 24 outside QC Limits
Pesticides: ___ out of ___ outside QC Limits

Recovery Summary = #'s Outside QC Limits / Total #'s Reported
(Does not include Method Blanks)

ORIGINAL (Red)

Rev 8/85

PROJECT NAME: EXTON AREA STUDY
TDD NO: F3-8505-13

EPA SITE NO.:
REGION: III

QUALITY ASSURANCE REVIEW OF INORGANIC ANALYTICAL DATA PACKAGE

Case No.: 5215
Contract No.:
Contract Laboratory: ROCKY MOUNTAIN ANALYTICAL
Applicable IFB No.:
Reviewer: ERIC BLISCHKE
Review Date: 4/3/86

Applicable Sample No's.:
MCC845-MCC847, MCC731-MCC745, MCC747-MCC763, MCC819-MCC825 MCD157, MCD158, MCC589, MCB636

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			X	X
Acceptable with exception(s)	1,3,2 X	1,2 X		
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
- 1 ● BLANK ANALYSIS RESULTS
- 2 ● MATRIX SPIKE RESULTS
- 3 ● DUPLICATE ANALYSIS RESULTS
- * ○ STANDARD ADDITIONS RESULTS
- ∓ ◒ QUANTITATIVE CALCULATIONS
- ∓ ● INITIAL CALIBRATION VERIFICATION
- ∓ ● CONTINUING CALIBRATION VERIFICATION
- ∓ ● INTERFERENCE QC RESULTS
- ∓ ● DETECTION LIMITS RESULTS
- ∓ ● INSTRUMENT SENSITIVITY REPORTS
- ∓ ● HOLDING TIMES

FINAL (Rec)

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

∓ No errors noted, no form attached.

◒ Spot Check performed.

Comments: * NO STANDARD ADDITIONS PERFORMED

BLANK ANALYSIS RESULTS

TASK	TYPE	CONC	MATRIX	SAMPLE #	SOURCE OF H_2O	CONTAMINANTS (CONCENTRATION / DETECTION LIMI	
ICP		LOW	SOIL	INIT CAL BLK	LAB	IRON (49/10 µg/L)	(123/145)
						ANTIMONY (31/25 µg/L)	(78/155)
						TIN (7.7/16 µg/L)	
ICP		LOW	SOIL	PREP BLK	LAB	CALCIUM (82/207 µg/L)	
						COPPER (5.3/3 µg/L)	
						TIN (24/16 µg/L)	(60/120)
						ZINC (12.7/2 µg/L)	(32/64)
ICP		LOW	SOIL	CONT CAL BLK	LAB	IRON (26/10 µg/L)	
						SODIUM (603/583 µg/L)	
						TIN (9.2/16 µg/L)	
ICP		LOW	SOIL	CONT CAL BLK	LAB	IRON (26/10 µg/L)	
						ZINC (1.3/2 µg/L)	
ICP		LOW	SOIL	C.C.B	LAB	ANTIMONY (44.6/25 µg/L)	
						CALCIUM (169/207 µg/L)	
						SODIUM (1530/583 µg/L)	(3825/7650)
						VANADIUM (1.4/4 µg/L)	
ICP		LOW	SOIL	FIELD BLANK	NWS	COPPER (4.1/3 µg/L)	
						CALCIUM (131/207 µg/L)	(328/655)
						IRON (27/10 µg/L)	
						SODIUM (668/583 µg/L)	
						TIN (19.6/16 µg/L)	(49/98)
						ZINC (7.8/2 µg/L)	
ICP		LOW	H_2O	INIT CAL BLANK	LAB	NONE DETECTED	
ICP		LOW	H_2O	PREP BLK	LAB	ALUMINUM (21.4/25 µg/L)	(54/107)
						BERYLLIUM (0.2/0.4 µg/L)	
						CHROMIUM (1.9/4 µg/L)	(5/95)
						COPPER (3.7/3 µg/L)	
						IRON (16.4/10 µg/L)	
						ZINC (8.8/2 µg/L)	
ICP		LOW	H_2O	CONT CAL BLK	LAB	IRON (16.4/10 µg/L)	
						SILVER (2.2/3 µg/L)	
ICP		LOW	H_2O	CCB	LAB	IRON (13.5/10 µg/L)	
ICP		LOW	H_2O	CCB	LAB	TIN (7.7/16 µg/L)	

LABORATORY REPORTED FIELD BLANK DATA IS COMPARED WITH THE SAMPLE DATA IN A TABULATION FORM WITHI
SAMPLE ANALYTICAL DATA SUMMARY.

ORIGINAL
(RED)

above (/) = soil / water
max levels for qualifying
Sample results mg/kg / ug/L

COMMENTS:

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

(2) RESULT INFERRED FROM RAW DATA

AR100244

BLANK ANALYSIS RESULTS

TASK	TYPE	CONC	MATRIX	SAMPLE #	SOURCE OF H_2O	CONTAMINANTS (CONCENTRATION / DETECTION LIMI
ICP		LOW	H_2O	INIT CAL BK	LAB	ANTIMONY (13/25 ug/L)
						COBALT (2.4/5 ug/L) (6/12)
						IRON (15.3/10 ug/L)
ICP		LOW	H_2O	PREP. BLK	LAB	BERYLLIUM (0.2/0.4 ug/L)
						CADMIUM (2.8/4.0 ug/L) (5/10)
						COPPER (10.3/3 ug/L) (26/52)
						IRON (44/10 ug/L)
						ZINC (11.3/2 ug/L)
ICP		LOW	H_2O	CONT CAL BLK	LAB	ANTIMONY (14.4/25 ug/L)
						CHROMIUM (1.9/4.0 ug/L)
						COBALT (2.6/5 ug/L) (6.5/13)
						IRON (7.2/10 ug/L)
ICP		LOW	H_2O	CCB	LAB	ALUMINUM (13.6/25 ug/L)
						ANTIMONY (30.7/25 ug/L)
						BERYLLIUM (0.4/0.4 ug/L) (1/2)
						CALCIUM (127/207 ug/L)
						SILVER (2.3/3 ug/L) (6/11.5)
						SODIUM (538/583 ug/L)
						VANADIUM (1.7/4 ug/L) (4/8.5)
ICP		LOW	H_2O	FIELD BLK	NJS	ALUMINUM (16.8/25 ug/L)
						COPPER (7.3/3 ug/L)
						IRON (16.4/10 ug/L)
						ZINC (6.8/2 ug/L)
FURNACE		LOW	H_2O	PREP BLANK	LAB	LEAD (2.1/2 ug/L)
FURNACE		LOW	H_2O	CCB	LAB	LEAD (3.1/2 ug/L) (8/15)
ICP		LOW	Soil	Field Blank	NJS	Cr (2.6/4) (6.5/13)
CN^-		LOW	H_2O	FIELD BLK	NJS	CN^- (86/10 ug/L) *

LABORATORY REPORTED FIELD BLANK DATA IS COMPARED WITH THE SAMPLE DATA IN A TABULATION FORM WITHI
SAMPLE ANALYTICAL DATA SUMMARY.

ORIGINAL
(Red)

COMMENTS:

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

(2) RESULT INFERRED FROM RAW DATA

* CYANIDE IN FIELD BLANK (ACC-103) NOT REPORTED BY LABORATORY; HOWEVER, EXAMINATION OF RAW DATA REVEALED IT TO BE PRESENT ~~ALTHOUGH CO~~ EVALUATING LABORATORY RE-RAN SAMPLE AND ACHIEVED A NON-DETECT

AR100245

Form VI

Q.C. Report No. 55494

DUPLICATES

LAB NAME ROCKY MOUNTAIN ANALYTICAL

DATE 12-17-85

CASE NO. 5215
EPA Sample No. MCC825D
Lab Sample ID No. -
Units mg/kg

Matrix SOIL

Compound	Control Limit[1]	Sample(S)	Duplicate(D)	RPD[2]	
Metals:					
1. ALUMINUM		8640	7160	19	
2. ANTIMONY		12U	12U	NC	
3. ARSENIC		14	15	6.9	
4. BARIUM		[39]	[37]	NC	
5. BERYLLIUM		[0.48]	[0.41]	NC	
6. CADMIUM		2U	2U	NC	
7. CALCIUM		[1020]	[1120]	NC	
8. CHROMIUM		18	13	32	
9. COBALT		[9]	[7.3]	NC	
10. COPPER		21	17	21	
11. IRON		21100	16000	27	X
12. LEAD		41	39	5	
13. MAGNESIUM		[1310]	[1260]	NC	
14. MANGANESE		341	285	18	
15. MERCURY		0.05U	0.05U	NC	
16. NICKEL		[13]	[9.2]	NC	
17. POTASSIUM		1080U	1080U	NC	
18. SELENIUM		2.5U	2.5U	NC	
19. SILVER		1.5U	[1.5]	NC	
20. SODIUM		292U	292U	NC	
21. THALLIUM		1U	5U	NC	
22. TIN		8U	8U	NC	
23. VANADIUM		26	[21]	NC	
24. ZINC		91	71	25	X
Other:					
Cyanide		0.5U	0.5U	NC	

Out of Control
To be added at a later date.

[2] RPD = [|S-D|/((S+D)/2)] x 100

NC - Non-calculable RPD due to value(s) less than CRDL

GRAPHITE FURNACE WORKSHEET page 3 of 3

Standard Concentration (ppb)	Absorbance

Case No. 5215 Element Tl

RMA QC No. 55492 Date [redacted]

Analyst SMS

Cup No.	Sample No.	Conc. 1 (ppb)	Conc. 2 (ppb)	Average Conc. (ppb)	% RSD	D/F	Final Conc. (ug/l) mg/kg	Comments
1	745T	20	19	20	30			100%
2	CCB	2u	2u	2u	NC			
3	CCV	22	21	22	0.51			
4	755	2u	2u	2u	NC	10	20u	
5	755T	20	20	20	1.9			100%
6	CCB	2u	2u	2u	NC			
7	CCV	21	21	21	0.51			
8								
9								
10								
11								
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GRAPHITE FURNACE WORKSHEET

Standard Concentration (ppb)	Absorbance
10	.059
20	.121
50	.313

Case No. 5215 Element Se
RLA QC No. 55494 Date 12-13-8
Analyst JTW/DMB

Cup No.	Sample No.	Conc. 1 (ppb)	Conc. 2 (ppb)	Average Conc. (ppb)	% RSD	D/F	Final Conc. ug/l (mg/kg)	Comments
1	ICB	2u	2u	2u	NC			
2	ICV	27	27	27	1.4	20X		LCS 985
3	Prep Blk	2u	2u	2u	NC			
4	MCC 825	2u	2u	2u	NC	500	2.5u	
5	825+	5.9	6.2	6.1	3.9			61%
6	825D	2u	2u	2u	NC	500	2.5u	
7	825D+	[4.9]	5.9	5.4	13			54%
8	825S	[4.4]	[4.7]	[4.5]	4.1	500	2.2	
9	MCD 187	2u	2u	2u	NC	500	2.5u	
10	187+	5.7	5.7	5.7	0.9			57%
11	188	2u	2u	2u	NC	500	2.5u	
12	188+	6.3	7.0	6.7	6.7			67%
13	CCB	2u	2u	2u	NC			
14	CCV	20	22	21	4.7			
15	MCB 630	2u	2u	2u	NC	500	2.5u	
16	630+	6.5	6.1	6.3	4.5			63%
17	MCC 731	2u	2u	2u	NC	500	1u	
18	731+	9.0	8.9	9.0	.07			90%
19	732	2u	2u	2u	NC	500	2.5u	
20	732+	5.2	[4.1]	[4.6]	17			46%
21	733	2u	2u	2u	NC	500	2.5u	
22	733+	5.0	5.6	5.3	7.1			53%
23	734	2u	2u	2u	NC	500	2.5u	
24	734+	[3.9]	[4.0]	[4.0]	1.9			40%
25	CCB	2u	2u	2u	NC			
26	CCV	21	22	22	22			ORIGINAL (illegible)
27	735	2u	2u	2u	NC	500	2.5u	
28	735+	[4.5]	[3.9]	[4.2]	9.8			42%
29	736	2u	2u	2u	NC	500	2.5u	
30	736+	6.0	[4.5]	5.3	20			53%
31	763	2u	2u	2u	NC	500	2.5u	
32	763+	7.3	5.7	6.5	17			65%
	744	2u	2u	2u	NC	500	2.5u	
34	744+	6.8	7.1	6.9	2.6			69%
35	760	2u	2u	2u	NC	500		

AR 002248

AR 002248

Form VI

Q.C. Report No. 55493

DUPLICATES

LAB NAME ROCKY MOUNTAIN ANALYTICAL

CASE NO. 5215
EPA Sample No. MCC762
Lab Sample ID No. -
Units UG/L

DATE 12-16-85

Matrix WATER

Compound	Control Limit[1]	Sample(S)	Duplicate(D)	RPD[2]
Metals:				
1. ALUMINUM		[85]	[47]	NC
2. ANTIMONY		25U	25U	NC
3. ARSENIC		2U	2U	NC
4. BARIUM		[58]	[60]	NC
5. BERYLLIUM		0.4U	0.4U	NC
6. CADMIUM		4U	4U	NC
7. CALCIUM		41900	43600	4
8. CHROMIUM		4U	4U	NC
9. COBALT		5U	5U	NC
10. COPPER		[12]	[11]	NC
11. IRON		222	[90]	NC
12. LEAD		5U	2U	NC
13. MAGNESIUM		13100	13500	3
14. MANGANESE		18	22	20
15. MERCURY		0.1U	0.1U	NC
16. NICKEL		7U	7U	NC
17. POTASSIUM		[2720]	[2760]	NC
18. SELENIUM		5U	5U	NC
19. SILVER		3U	3U	NC
20. SODIUM		29700	30600	3
21. THALLIUM		20U	20U	NC
22. TIN		16U	16U	NC
23. VANADIUM		4U	4U	NC
24. ZINC		[16]	[12]	NC
Other:				
Cyanide		10U	10U	NC

X Out of Control

[1] To be added at a later date.

[2] RPD = [(S-D)/((S+D)/2)] x 100

NC - Non calculable RPD due to value(s) less than CRDL

Form VI

Q.C. Report No. 55492

DUPLICATES

LAB NAME ROCKY MOUNTAIN ANALYTICAL

DATE 12-17-85

CASE NO. 5215
EPA Sample No. MCC889
Lab Sample ID No. -
Units UG/L

Matrix WATER

Compound	Control Limit[1]	Sample(S)	Duplicate(D)	RPD[2]
Metals:				
1. ALUMINUM		587	517	13
2. ANTIMONY		25U	25U	NC
3. ARSENIC		10U	10U	NC
4. BARIUM		13U	13U	NC
5. BERYLLIUM		0.4U	0.4U	NC
6. CADMIUM		4U	4U	NC
7. CALCIUM		68900	69400	0.72
8. CHROMIUM		[5.2]	[4.1]	NC
9. COBALT		5U	5U	NC
10. COPPER		[8.5]	[9.3]	NC
11. IRON		7520	7450	0.94
12. LEAD		~~5U~~ [2.1]	~~5U~~ [3.1]	~~NC~~ 60%
13. MAGNESIUM		37800	38000	0.53
14. MANGANESE		180	182	1.1
15. MERCURY		0.1U	0.1U	NC
16. NICKEL		7U	7U	NC
17. POTASSIUM		2170U	2170U	NC
18. SELENIUM		5U	5U	NC
19. SILVER		3U	3U	NC
20. SODIUM		15900	16200	1.9
21. THALLIUM		10U	10U	NC
22. TIN		16U	16U	NC
23. VANADIUM		4U	4U	NC
24. ZINC		[18]	[19]	NC
Other:				
Cyanide		10U	10U	NC

[1] Out of Control
To be added at a later date.

[2] RPD = [|S-D|/((S+D)/2)] x 100

NC - Non calculable RPD due to value(s) less than CRDL

Form V

Q.C. Report No. 55494

SPIKE SAMPLE RECOVERY

LAB NAME ROCKY MOUNTAIN ANALYTICAL

DATE 12-17-85

CASE NO. 5215
EPA Sample No. MCC825
Lab Sample ID No. -
Units mg/kg

MATRIX SOIL

Compound	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spiked Added (SA)	%R[1]
Metals:					
1. ALUMINUM	75-125	7580	8640	NR	
2. ANTIMONY	75-125	113	12U	250	45
3. ARSENIC	75-125	32	14	20	90
4. BARIUM	75-125	928	[39]	1000	89
5. BERYLLIUM	75-125	24	[0.48]	25	94
6. CADMIUM	75-125	27	2U	25	108
7. CALCIUM	75-125	[1030]	[1020]	NR	
8. CHROMIUM	75-125	109	18	100	
9. COBALT	75-125	263	[9]	250	102
10. COPPER	75-125	138	21	125	94
11. IRON	75-125	15000	21100	NR	
12. LEAD	75-125	263	41	250	89
13. MAGNESIUM	75-125	[1190]	[1310]	NR	
14. MANGANESE	75-125	547	341	250	82
15. MERCURY	75-125	0.51	0.05U	0.5	102
16. NICKEL	75-125	246	[13]	250	93
17. POTASSIUM	75-125	1080U	1080U	NR	
18. SELENIUM	75-125	[2.2]	2.5U	5	44 R
19. SILVER	75-125	27	1.5U	25	108
20. SODIUM	75-125	292U	292U	NR	
21. THALLIUM	75-125	24	1U	25	96
22. TIN	75-125	231	8U	250	92
23. VANADIUM	75-125	260	26	250	94
24. ZINC	75-125	305	91	250	86
Other:					
Cyanide	75-125	5.1	0.5U	5	102

[1] %R = [(SSR - SR)/SA] x 100
"R"- out of control
Comments:

Form V

Q.C. Report No. 55492

SPIKE SAMPLE RECOVERY

LAB NAME ROCKY MOUNTAIN ANALYTICAL

DATE 12-17-85

CASE NO. 5215
EPA Sample No. MCC846
Lab Sample ID No. -
Units UG/L

MATRIX WATER

Compound	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spiked Added (SA)	%R[1]
Metals:					
1. ALUMINUM	75-125	2010	278	2000	87
2. ANTIMONY	75-125	489	25U	500	98
3. ARSENIC	75-125	15	10U	20	75
4. BARIUM	75-125	1690	[17]	2000	84
5. BERYLLIUM	75-125	46	0.4U	50	92
6. CADMIUM	75-125	47	4U	50	94
7. CALCIUM	75-125	170000	76500	100000	94
8. CHROMIUM	75-125	182	[4.6]	200	89
9. COBALT	75-125	476	5U	500	95
10. COPPER	75-125	238	[6.3]	250	93
11. IRON	75-125	6160	5860	1000	30
12. LEAD	75-125	20	5U	20	100
13. MAGNESIUM	75-125	91200	42900	50000	97
14. MANGANESE	75-125	231	47	200	92
15. MERCURY	75-125	0.96	0.1U	1	96
16. NICKEL	75-125	364	7U	400	91
17. POTASSIUM	75-125	46600	2170U	50000	93
18. SELENIUM	75-125	6.3	5U	10	63
19. SILVER	75-125	50	3U	50	100
20. SODIUM	75-125	106000	8700	100000	97
21. THALLIUM	75-125	35	10U	50	70
22. TIN	75-125	356	16U	400	89
23. VANADIUM	75-125	457	4U	500	91
24. ZINC	75-125	206	[19]	200	94
Other:					
Cyanide	75-125	104	10U	100	104

[1] %R = [(SSR - SR)/SA] x 100

*R"- out of control

Comments: Fe sample > 4x spike added ∴ data not flagged.

Form V

Q.C. Report No. 55493

SPIKE SAMPLE RECOVERY

LAB NAME ROCKY MOUNTAIN ANALYTICAL

DATE 12-16-85

CASE NO. 5215
EPA Sample No. MC[illegible]47
Lab Sample ID No. -
Units UG/L

MATRIX WATER

Compound	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spiked Added (SA)	%R[1]	
Metals:						
1. ALUMINUM	75-125	1780	[34]	2000	87	
2. ANTIMONY	75-125	482	25U	500	96	
3. ARSENIC	75-125	22	2U	20	110	
4. BARIUM	75-125	1760	[32]	2000	86	
5. BERYLLIUM	75-125	49	0.4U	50	98	
6. CADMIUM	75-125	50	4U	50	100	
7. CALCIUM	75-125	146000	47400	100000	99	
8. CHROMIUM	75-125	186	4U	200	93	
9. COBALT	75-125	512	5U	500	102	
10. COPPER	75-125	268	[9.2]	250	[illegible]	
11. IRON	75-125	971	[66]	1000	[illegible]	
12. LEAD	75-125	21	2U	20	105	
13. MAGNESIUM	75-125	62400	7550	50000	110	
14. MANGANESE	75-125	218	16	200	101	
15. MERCURY	75-125	0.96	0.1U	1	96	
16. NICKEL	75-125	392	7U	400	98	
17. POTASSIUM	75-125	53500	2170U	50000	107	
18. SELENIUM	75-125	7.9	2U	10	79	
19. SILVER	75-125	51	3U	50	102	
20. SODIUM	75-125	112000	[4840]	100000	107	
21. THALLIUM	75-125	31	10U	50	62	R
22. TIN	75-125	362	16U	400	90	
23. VANADIUM	75-125	487	4U	500	97	
24. ZINC	75-125	196	[6.6]	200	95	
Other:						
Cyanide	75-125	108	10U	100	108	

[1] %R = [(SSR - SR)/SA] x 100

"R"- out of control

Comments:

ORIGINAL

...GRAPHITE FURNACE WORKSHEET

Standard Concentration (ppb)	Absorbance
10	0.040
20	0.080
50	0.200

Case No. 5215 Element Tl

RMA QC No. 55493 Date 11 Dec 85

Analyst AT

Sup No.	Sample No.	Conc. 1 (ppb)	Conc. 2 (ppb)	Average Conc. (ppb)	% RSD	D/F	Final Conc. (ug/l) mg/kg	Comments
4	ICB	2u	2u	2u	NC			ICV=LCS 98%
5	ICV	28	30	29	3.1	20		True value = 526
6	PREPBLK	2u	2u	2u	NC			
7	MCC 762	2u	2u	2u	NC	1	requires 10x	% spike recovery
8	762+	[7.9]	[6.3]	[7.1]	16			36%
9	762D	2u	2u	2u	NC	1	requires 10x	
10	762D+	[6.4]	[7.6]	[7.0]	13			35%
11	747	2u	2u	2u	NC	1	10u	
12	747+	11	11	11	3.6			55%
13	747S	31	31	31	0.35		31	
14	752	2u	2u	2u	NC	1	requires 10x	
15	752+	[4.1]	[2.6]	[3.4]	32			17%
16	CCB	2u	2u	2u	NC			
17	CCV	23	22	22	2.8			
18	756	2u	2u	2u	NC	1	requires 10x	
19	756+	[5.9]	[6.3]	[6.1]	4.6			20%
20	757	2u	2u	2u	NC	1	requires 10x	
21	757+	[7.0]	[4.9]	[6.0]	24			30%
22	758	2u	2u	2u	NC	1	10u	
23	758+	24	25	25	4.5			125%
24	748	2u	2u	2u	NC	1	requires 10x	
25	748+	[5.5]	[5.1]	[5.3]	4.0		~~requires 10x~~ ^7	26%
26	749	2u	2u	2u	NC	1	10u	
27	749+	11	11	11	00			55%
28	CCB	2u	2u	2u	NC			
29	CCV	21	22	21	1.4			
30	751	2u	2u	2u	NC	1	requires 10x	
31	751+	[5.6]	[6.6]	[6.1]	12			30%
32	753	2u	2u	2u	NC	1	10u	
33	753+	10	12	11	7.7			55%
34	754	2u	2u	2u	NC	1	10u	
35	754+	14	16	15	9.5			75%
36	740	2u	2u	2u	NC	1	requires 10x	
37	740+	[3.0]	[4.1]	[3.6]	22			18%
38	LCS	31	32	31	1.3	20		425=LCS 985

GRAPHITE FURNACE WORKSHEET

page 1 of 3

Standard Concentration (ppb)	Absorbance
10	.076
20	.150
50	.357

Case No. 5215 Element Tl

RMA QC No. 55492 Date 12/[redacted]/85

Analyst SMS

Cup No.	Sample No.	Conc. 1 (ppb)	Conc. 2 (ppb)	Average Conc. (ppb)	% RSD	D/F	Final Conc. (ug/l) mg/kg	Comments
4	ICB	2u	2u	2u	NC			
5	ICV	25	26	26	4.3	20		ICV=LCS985
6	Prep blk	2u	2u	2u	NC			
7	MCC859	2u	2u	2u	NC	1	~~5u~~ 10u	
8	859+	9.5	9.2	9.4	2.7			47%
9	859D	2u	2u	2u	NC	1	10u	
10	859D+	9.8	11	10	7.2			50%
11	846	2u	2u	2u	NC	1	10u	
12	846+	12	11	12	4.9			60%
13	846S	35	35	35	3.1	1	35	
14	845	2u	2u	2u	NC	1	10u	
15	845T	[8.4]	[8.0]	[8.2]	2.1			41%
16	CCB	2u	2u	2u	NC			
17	CCV	20	21	20	2.2			
18	847	2u	2u	2u	NC	1	requires 10x	
19	847+	[4.7]	[4.8]	[4.8]	1.3			24%
20	848	2u	2u	2u	NC	1	requires 10x	
21	848T	[3.0]	[2.7]	[2.9]	8.8			14% ORIGINAL (Rec'd)
22	849	2u	2u	2u	NC	1	requires 10x	
23	849+	[5.5]	[5.0]	[5.2]	6.0			26%
24	819	2u	2u	2u	NC	1	requires 10x	
25	819+	[4.4]	[4.6]	[4.5]	2.8			22%
26	820	2u	2u	2u	NC	1	10u	
27	820+	[7.9]	[8.0]	[8.0]	4.1			40%
28	CCB	2u	2u	2u	NC	1		
29	CCV	22	22	22	4.2			
30	821	2u	2u	2u	NC	1	requires 10x	
31	821+	[5.8]	[5.4]	[5.6]	5.6			28%
32	822	2u	2u	2u	NC	1	requires 10x	
33	822+	[5.4]	[5.3]	[5.3]	1.2			26%
34	823	2u	2u	2u	NC	1	10u	
35	823T	11	12	12	6.4			60%
36	824	2u	2u	2u	NC	1	10u	
37	824+	16	13	12	15			60%
38	737	2u	2u	2u	NC	1		

GRAPHITE FURNACE WORKSHEET

Standard Concentration (ppb)	Absorbance

Case No. 5215 Element Tl

RMA QC No. 55492 Date 12-10-85

Analyst SMS

Cup No.	Sample No.	Conc. 1 (ppb)	Conc. 2 (ppb)	Average Conc. (ppb)	% RSD	D/F	Final Conc. (ug/L) mg/kg	Comments
4	737†	[3.7]	[3.6]	[3.67]	1.7			18%
5	CCB	2u	2u	2u	NC			
6	CCV	22	22	22	0.85			
7	738	2u	2u	2u	NC	1	requires 10x	
8	738†	[5.0]	[5.1]	[5.1]	1.2			26%
9	739	2u	2u	2u	NC	1	requires 10x	
10	739†	[4.5]	[4.5]	[4.5]	0.00			22%
11	745	2u	2u	2u	NC	1	requires 10x	
12	745†	[7.5]	[8.0]	[7.8]	4.3			39%
13	755	2u	2u	2u	NC	1	requires 10x	
14	755†	[6.4]	[6.23]	[6.3]	2.0			
15	LCS	28	29	28	1.6	20		LCS 985
16	CCB	2u	2u	2u	NC			
17	CCV	22	22	22	1.8			
18	847	2u	2u	2u	NC	10	20u	
19	847†	21	21	21	0.52			105%
20	848	2u	2u	2u	NC	10	20u	
21	848†	20	21	20	4.0			100%
22	849	2u	2u	2u	NC	10	20u	
23	849†	21	20	20	0.26			100%
24	819	2u	2u	2u	NC	10	20u	
25	819†	21	21	21	0.00			105%
26	821	2u	2u	2u	NC	10	20u	
27	821†	20	20	20	1.1			100%
28	CCB	2u	2u	2u	NC			
29	CCV	20	21	21	0.79			
30	822	2u	2u	2u	NC	10	20u	
31	822†	20	20	20	1.1			100%
32	737	2u	2u	2u	NC	10	20u	
33	737†	20	20	20	0.80			100%
34	738	2u	2u	2u	NC	10	20u	
35	738†	21	20	21	2.6			105%
36	739	2u	2u	2u	NC	10	20u	
37	739†	20	20	20	0.81			100%
38	745	2u	2u	2u	NC	10	20u	

ORIGINAL (FOR FILE)

GRAPHITE FURNACE WORKSHEET

Standard Concentration (ppb)	Absorbance

Case No. 5215 Element Sr
RIA QC No. 55494 Date [redacted]3
Analyst JTW/DMB

Cup No.	Sample No.	Conc. 1 (ppb)	Conc. 2 (ppb)	Average Conc. (ppb)	% RSD	D/F	Final Conc ug/l (mg/kg)	Comments
1	760+	8.4	8.2	8.3	1.5			83%
2	CCB	2u	2u	2u	NC			
3	CCV	22	22	22	.12			
4	761	2u	2u	2u	NC	500	2.5u	
5	761+	6.7	7.2	7.0	5.2			70%
6	750	2u	2u	2u	NC	500	1u	
7	750+	8.8	8.1	8.5	5.4			85%
8	741	2u	2u	2u	NC	500	2.5u	
9	741+	5.9	6.2	6.0	3.7			60%
10	~~743 SPK~~ [illegible]	2u	2u	2u	NC	500	2.5u	
11	742+	4.9	4.4	4.7	11			47%
12	759	2u	2u	2u	NC	500	1u	
13	759+	11	11	11	1.1			110%
14	CCB	2u	2u	2u	NC	DMB ~~500~~		
15	CCV	22	22	22	2.3			
16	743	2u	2u	2u	NC	500	2.5u	
17	743+	6.1	6.7	6.4	6.1			64%
18	LCS	26	27	27	2.4	20x		
19	CCB	2u	2u	2u	NC			
20	CCV	22	23	22	1.8			
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								

ORIGINAL (Red)

QC# 55492 CASE# 5215

FILE NAME : 55492 DATE :

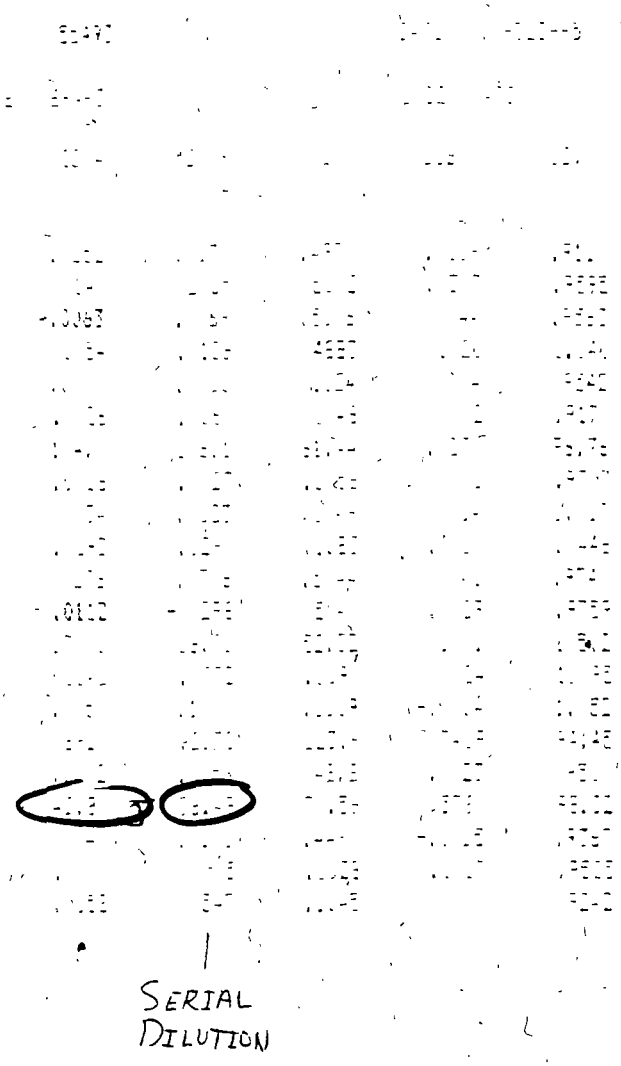
T NAME : EPA-3

	ICB		MCC745	MCC755	CCB	CCV	MCC999 MCC737-10X	LCS LCS1085	CCB	CCV	
		AL	.0342	0477	0024	9587	67 43	5315	0033	9491	CC849
		SB	0021	0144	0108	1 066	.2652	5774	- 0006	1.053	
		AS	- 0169	0254	0018	9800	3439	5211	0018	1 091	
AL	0056	BA	0003	0267	0003	1.063	8491	5095	- 0004	1 054	607
SB	0053	BE	.0001	.0001	.0001	1 005	0002	1089	-0	1 008	019
AS	- 0009	CD	- 0011	- 0003	.0014	9318	.0810	1105	.0011	9288	197
BA	0002	CA	1311	58 81	- 0482	99.29	150.1.	65.39	- 0359	99 04	061
BE	-0	CR	- .0005	.0169	- .0016	1	0994	1105	- 0011	9946	901
CD	- 0002	CO	0016	0001	0006	1.028	1568	1121	- 0005	1 028	22
CA	- 0483	CU	0073	0044	- 0003	9540	4205	1122	0002	9734	30
CR	0003	FE	0900	.1238	0133	1 029	345 6	5382	0041	1 014	52
CO	0006	PB	.0097	0067	0007	9827	6129	5457	- .0015	9909	41
CU	0014	MG	0307	24 55	0044	103 3	106.9	53 87	- 0088	104.4	55
FE	0010	MN	0012	0108	- 0011	1.099	14.77	1141	0007	1 098	32
PB	-0	NI	0003	- 0002	- 0006	1 062	[illegible]	1119	- 0011	1 064	036
MG	- 0220	K	0320	2 001	- .1168	94 34	11 54	244 9	- .0796	97 89	35
MN	0017	AG	- 0001	0007	- 0010	9731	0307	5102	- 0007	9737	28
NI	0001	NA	130 7	26 91	- 4995	97 68	81 58	76.53	- 2498	98 82	023
K	- 1416	SN	- 0051	0025	0037	9589	- 1063	4717	0077	9541	360
AG	0012	V	- 0001	0	- 0005	9825	2592	1109	0	9892	948
	-1.038	ZN	0365	0277	- 0002	9375	9 408	1213	0	9362	04
	0033										020
V	0006										006
ZN	0005										437

Serial Dilution

ORIGINAL (Red)

	MCC819	CCB	CCV	MCC820	MCC821	MCC822	MCC823	MCC824	MCC737	MCC738	MCC739
AL	0281	- 0009	9397	8229	0432	1533	0474	0310	63 41	1144	0532
SB	0032	0016	1 056	0083	- 0055	- 0026	- 0005	0057	0578	- 0067	0023
AS	0202	0071	9668	.0095	- .0063	0065	0095	0122	1308	0120	- 0064
BA	0102	- 0003	1 033	3047	0420	0260	0498	1001	7591	0756	0715
BE	0002	0001	9888	0005	0002	0001	0002	0004	0248	0001	-0
CD	0021	0016	9179	0092	0006	0008	0002	0030	0465	- 0012	0033
CA	32 93	- 0850	97 49	32 51	76 61	54 70	5 649	4938	135 7	50 05	48 82
CR	0023	0005	9747	2518	0041	0147	0019	- 0003	0884	0030	0027
CO	0008	- 0009	1.011	0230	0006	0018	0030	0024	1289	0026	0005
CU	0137	0004	9849	0209	0094	0092	0955	0716	3859	0066	0044
FE	1 947	0164	9955	4 752	0685	2834	0931	1661	309 1	4246	1730
PB	0020	- 0052	9924	1 232	.0022	0059	0059	0119	5078	0036	0096
MG	7 197	- 0615	105 4	43 03	34 77	23 53	2 468	4259	99 59	32 12	31 52
MN	0233	0010	1.078	1904	0042	0251	0144	0080	13 14	0177	0050
NI	0029	- 0002	1 047	0142	0025	0023	0020	0008	[illegible]	0018	0028
K	6E43	- 2129	104 1	41 77	2 934	1 957	1 390	3 926	11 93	4 853	4 818
AG	0020	0022	9718	0009	0010	0022	0	0004	0253	0019	- 0003
NA	2 039	-2 056	101	46 54	33 22	25 43	2 515	0412	78 75	84 07	83 37
SN	0003	0043	9435	0158	0025	0034	0007	- 0061	- 0768	- 0020	0029
V	0006	- 0007	9697	0043	0018	0015	0012	- 0003	2334	0014	0011
ZN	0215	0005	9264	7131	0155	0287	0735	2352	8 586	0999	0544



SERIAL DILUTION

ORIGINAL (Red)

GRAPHITE FURNACE WORKSHEET

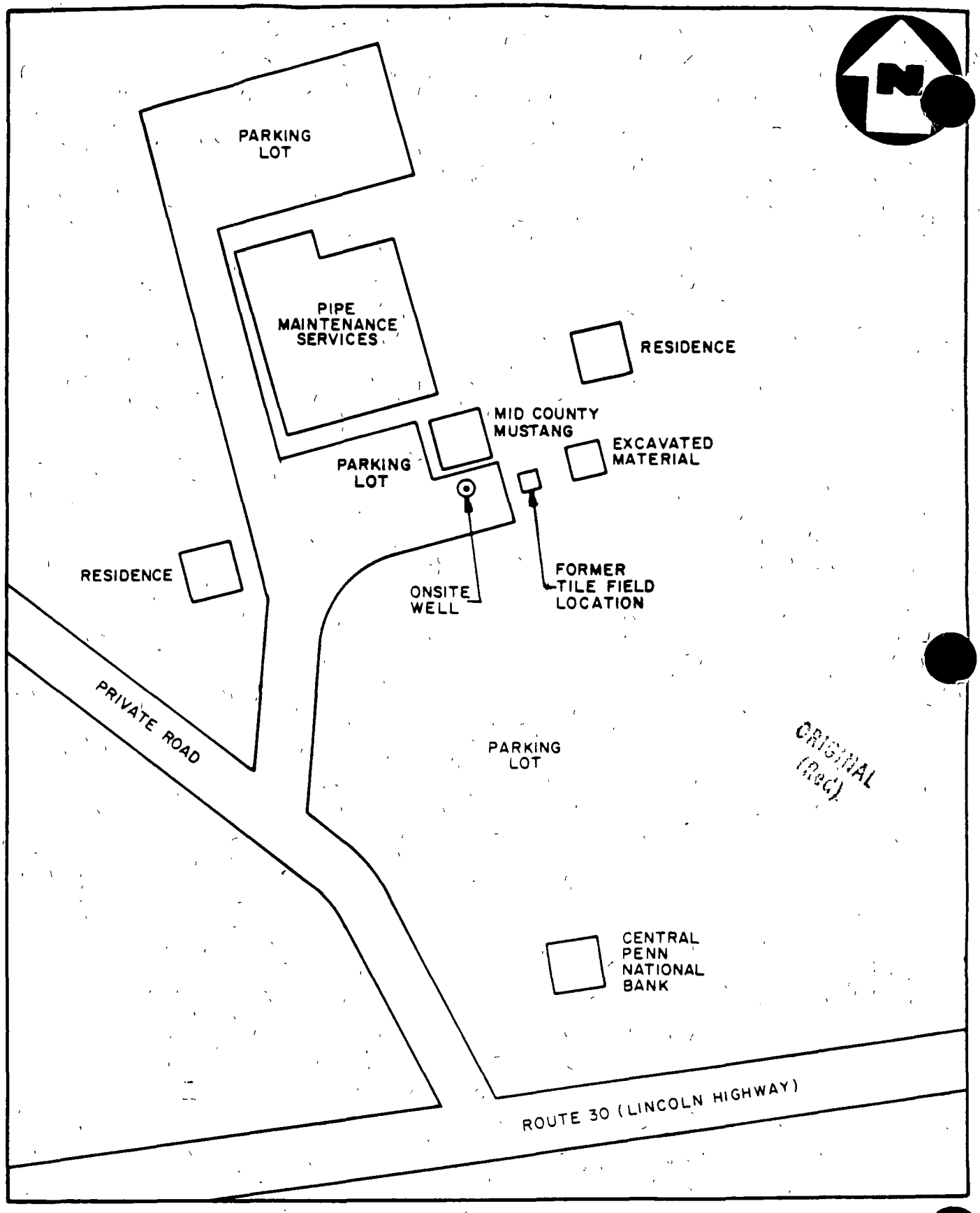
Standard Concentration (ppb)	Absorbance
10	.059
20	.121
50	.313

Case No. 5215 Element Se
RIA QC No. 55494 Date 12-13-
Analyst JTW/DMB

Cup No.	Sample No.	Conc. 1 (ppb)	Conc. 2 (ppb)	Average Conc. (ppb)	% RSD	D/F	Final Conc. ug/l (mg/kg)	Comments
1	ICB	2u	2u	2u	NC			
2	ICV	27	27	27	1.4	20X		LCS 985
3	Prep Blk	2u	2u	2u	NC			
4	mCC 825	2u	2u	2u	NC	500	2.5u	
5	825+	5.9	6.2	6.1	3.9			61%
6	825D	2u	2u	2u	NC	500	2.5u	
7	825D+	[4.9]	5.9	5.4	13			54%
8	825S	[4.4]	[4.7]	[4.5]	4.1	500	2.2	
9	mCD 18	2u	2u	2u	NC	500	2.5u	
10	187+	5.7	5.7	5.7	0.9			57%
11	188	2u	2u	2u	NC	500	2.5u	
12	188+	6.3	7.0	6.7	6.7			67%
13	CCB	2u	2u	2u	NC			
14	CCV	20	22	21	4.7			
15	mCB 630	2u	2u	2u	NC	500	2.5u	
16	630+	6.5	6.1	6.3	4.5			63%
17	mCL 731	2u	2u	2u	NC	500	1u	
18	731+	9.0	8.9	9.0	.07			90%
19	732	2u	2u	2u	NC	500	2.5u	
20	732+	5.2	[4.1]	[4.6]	17			46%
21	733	2u	2u	2u	NC	500	2.5u	
22	733+	5.0	5.6	5.3	7.1			53%
23	734	2u	2u	2u	NC	500	2.5u	
24	734+	[3.9]	[4.07]	[4.0]	1.9			40%
25	CCB	2u	2u	2u	NC			
26	CCV	21	22	22	2.2			
27	735	2u	2u	2u	NC	500	2.5u	
28	735+	[4.5]	[3.9]	[4.2]	9.8			42%
29	736	2u	2u	2u	NC	500	2.5u	
30	736+	6.0	[4.5]	5.3	20			53%
31	763	2u	2u	2u	NC	500	2.5u	
32	763+	7.3	5.7	6.5	17			65%
	744	2u	2u	2u	NC	500	2.5u	
	744+	6.8	7.1	6.9	2.6			69%
35	760	2u	2u	2u	NC	500	2.5u	

ORIGINAL (Red)

ARIN0280



ORIGINAL (RED)

SITE SKETCH

MID COUNTY MUSTANG, EXTON, PA.

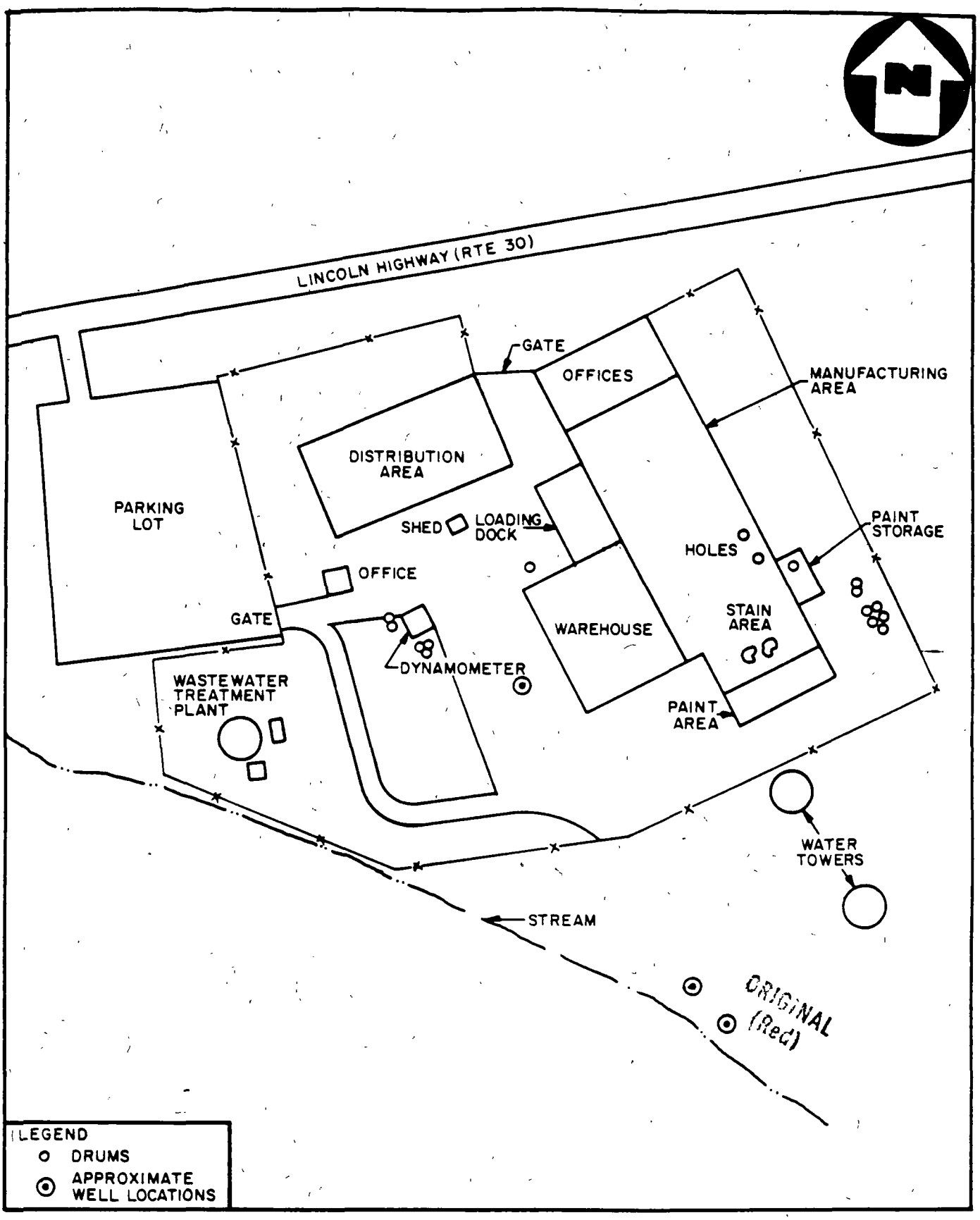
(NO SCALE)

FIGURE 3

NUS CORPORATION

A Halliburton Company

AR100261



SITE SKETCH

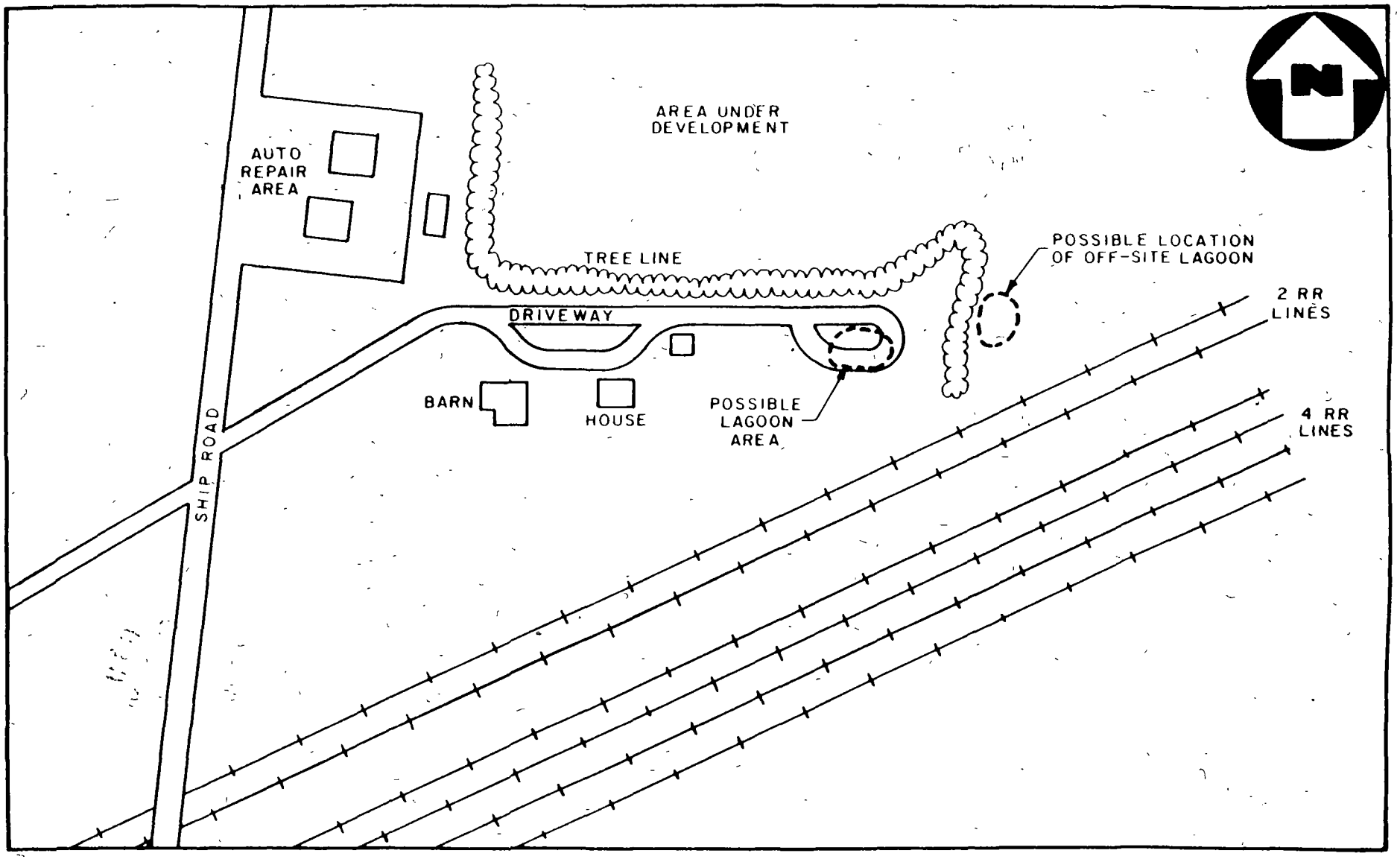
AUTOCAR TRUCKS DIVISION, EXTON, PA.

(NO SCALE)

FIGURE 4

NUS CORPORATION

A Halliburton Company



SITE SKETCH

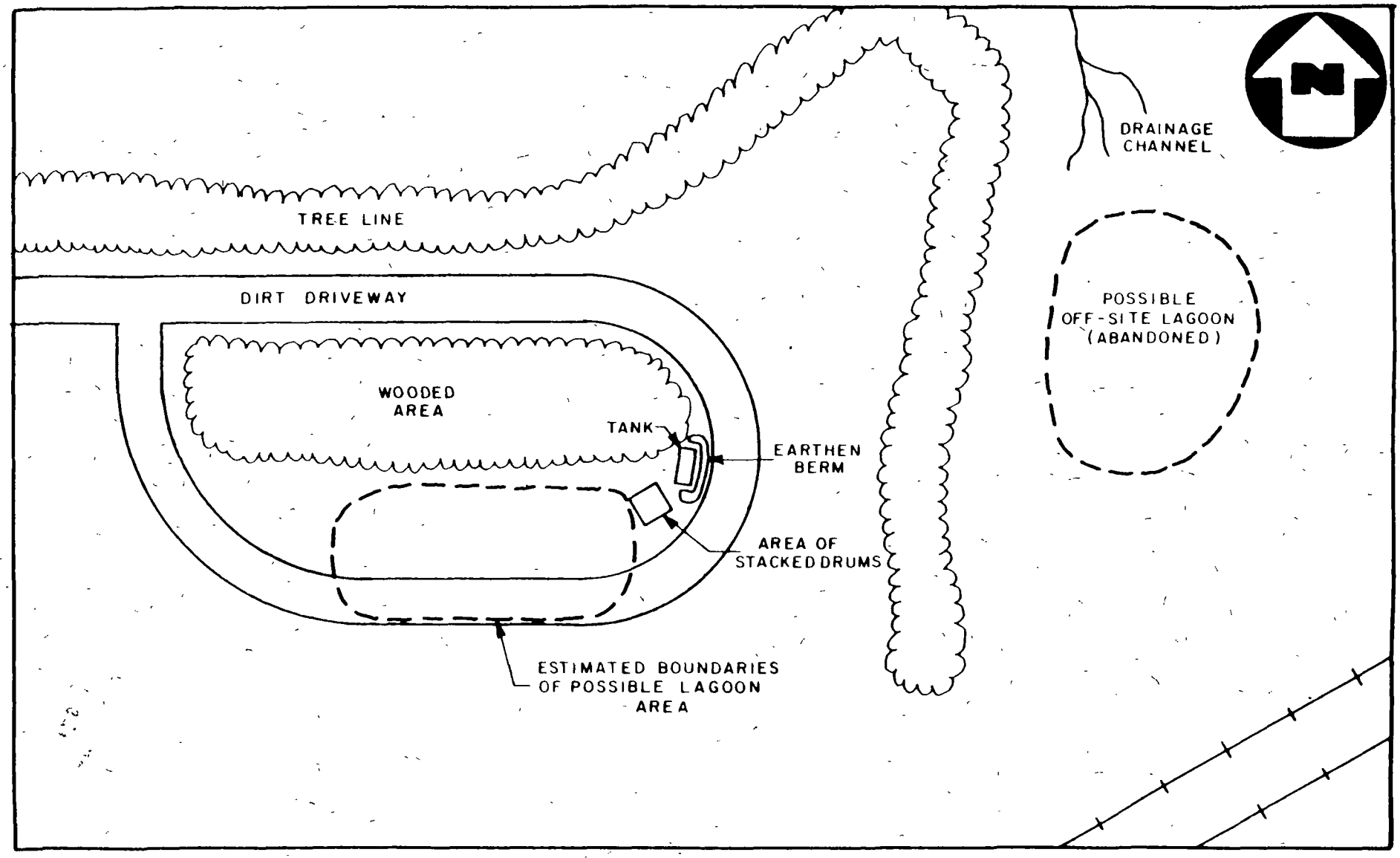
COCKERHAM SITE, EXTON, PA

(NO SCALE)

FIGURE 5

NUS CORPORATION

A Halliburton Company



SITE SKETCH

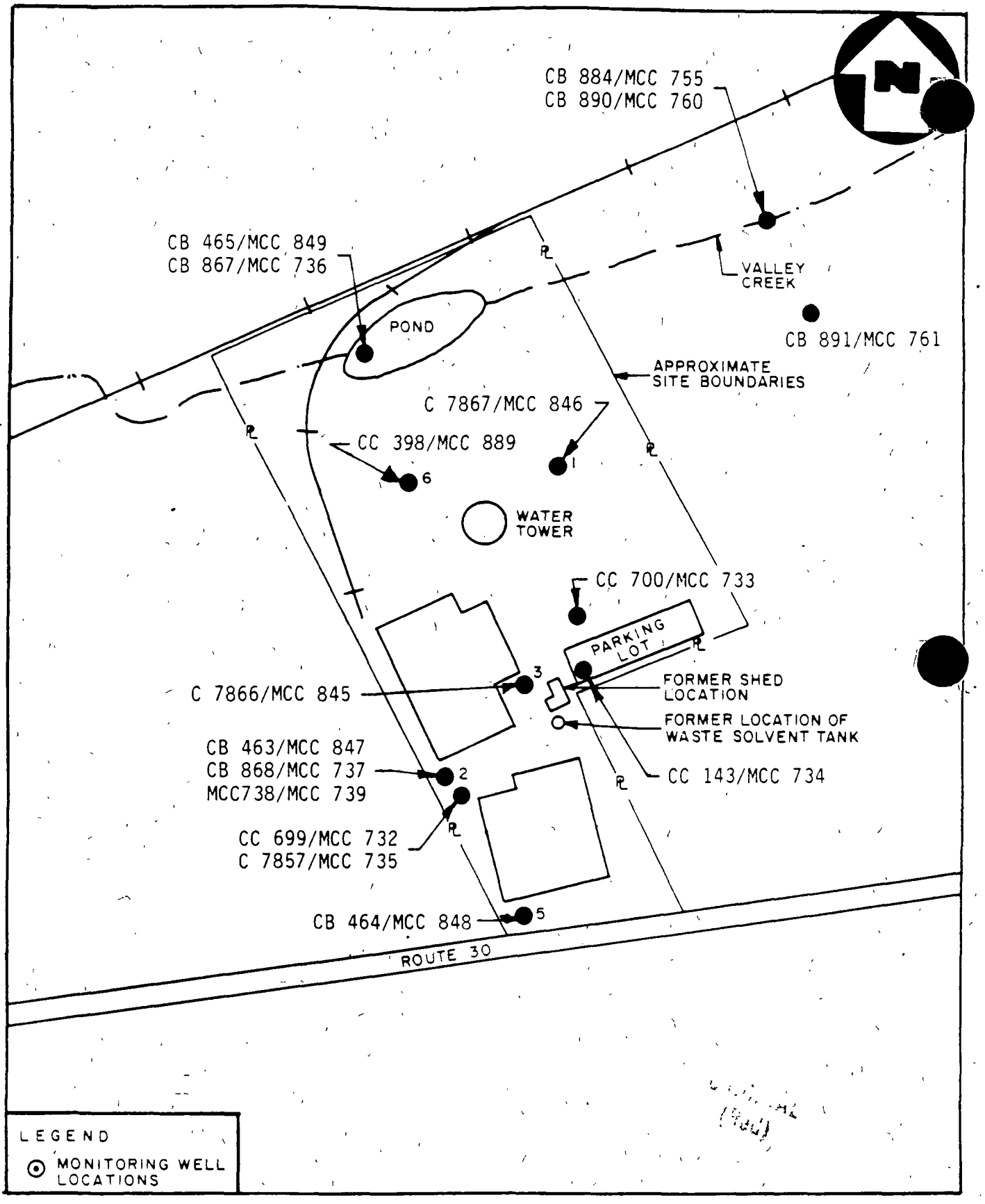
AREA OF CONCERN AT THE COCKERHAM SITE, EXTON, PA

(NO SCALE)

FIGURE 6

NUS CORPORATION

A Halliburton Company



SAMPLE LOCATION MAP

A.I.W. FRANK, EXTON, PA.

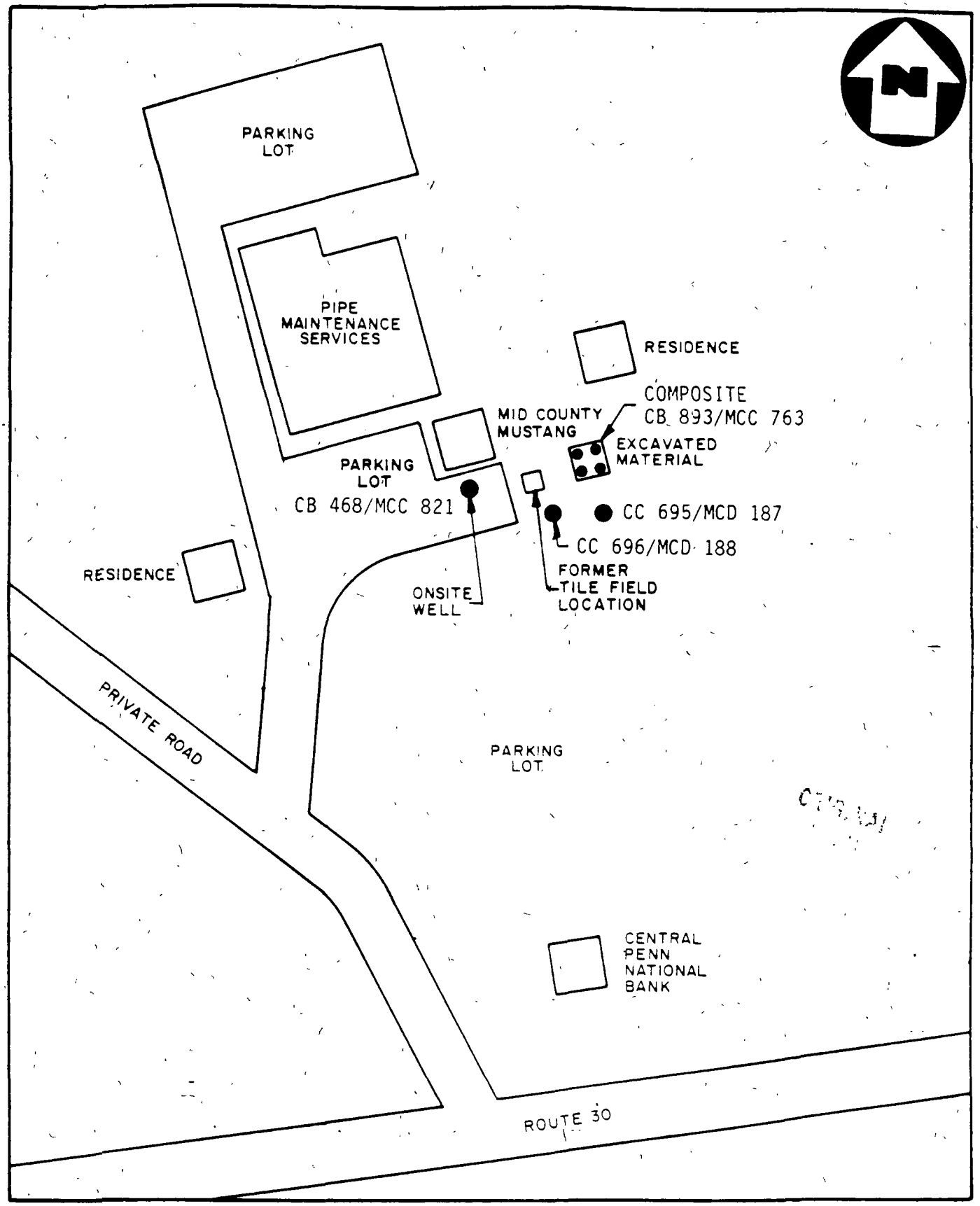
(NO SCALE)

FIGURE 7

AR100265

NUS CORPORATION

A Halliburton Company

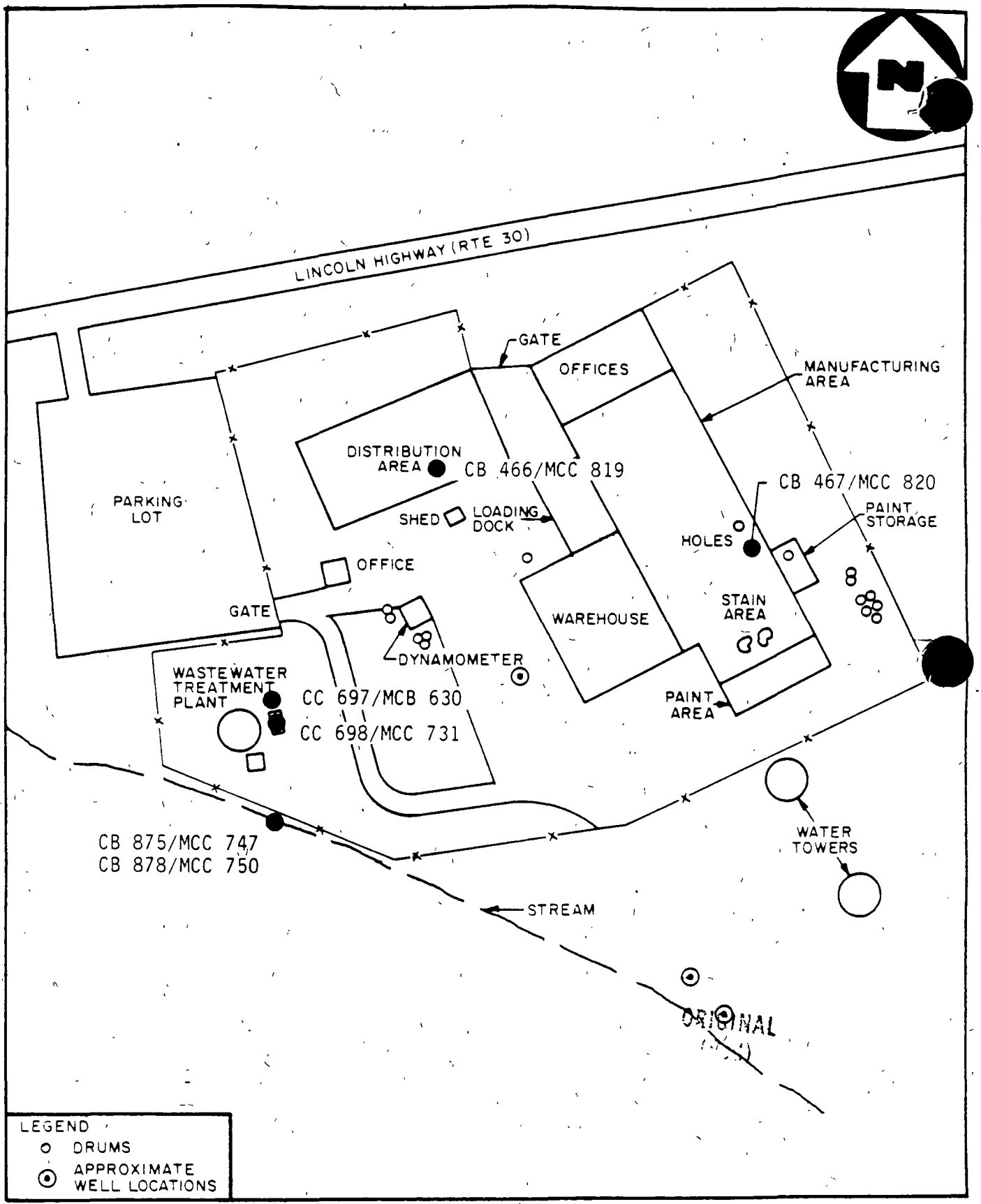


SAMPLE LOCATION MAP
MID COUNTY MUSTANG, EXTON, PA.
(NO SCALE)

FIGURE 8

NUS CORPORATION
A Halliburton Company

AR100266

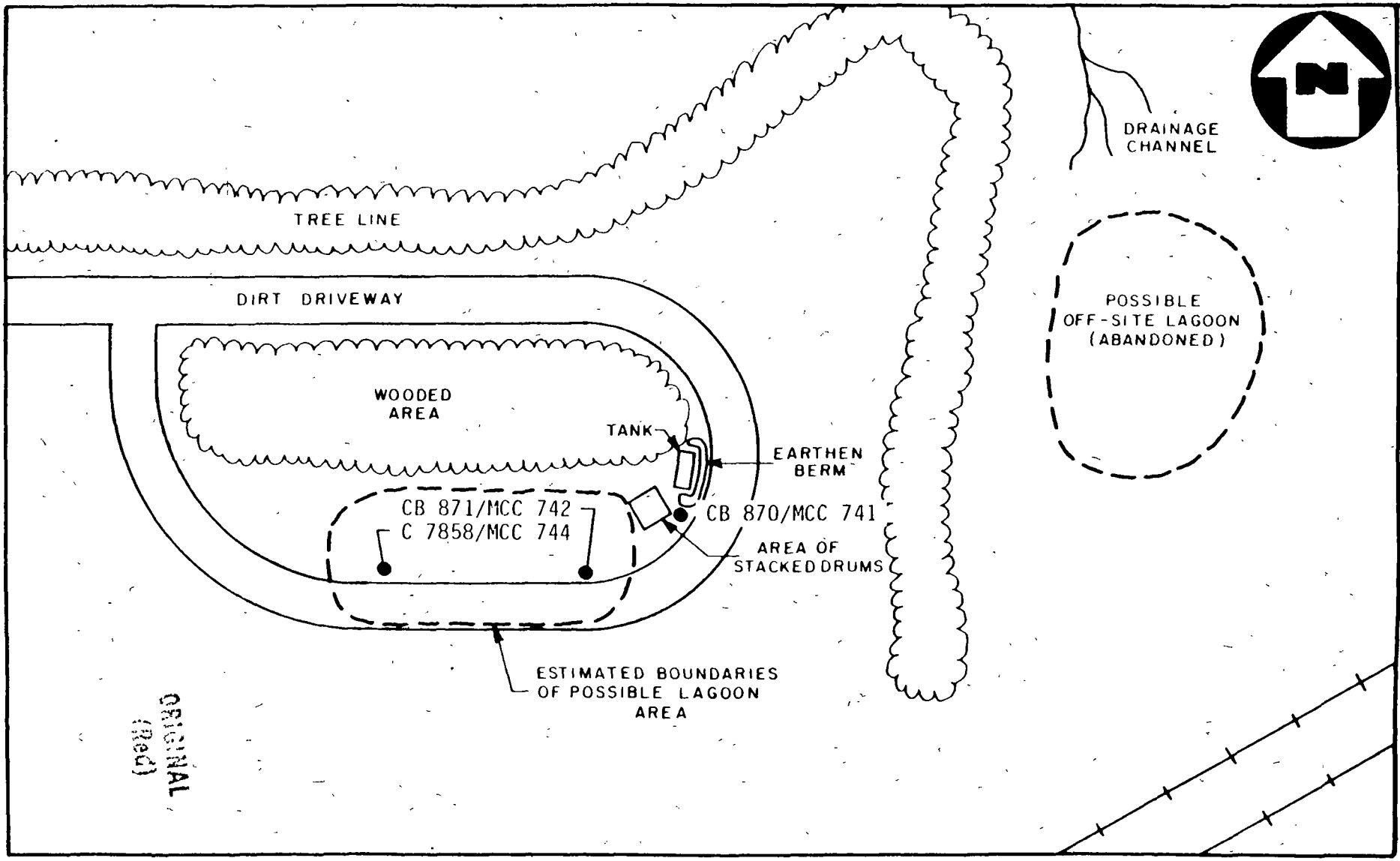


SAMPLE LOCATION MAP
AUTOCAR TRUCKS DIVISION, EXTON, PA
(NO SCALE)

FIGURE 9

NUS CORPORATION
A Halliburton Company

AR100267



SAMPLE LOCATION MAP

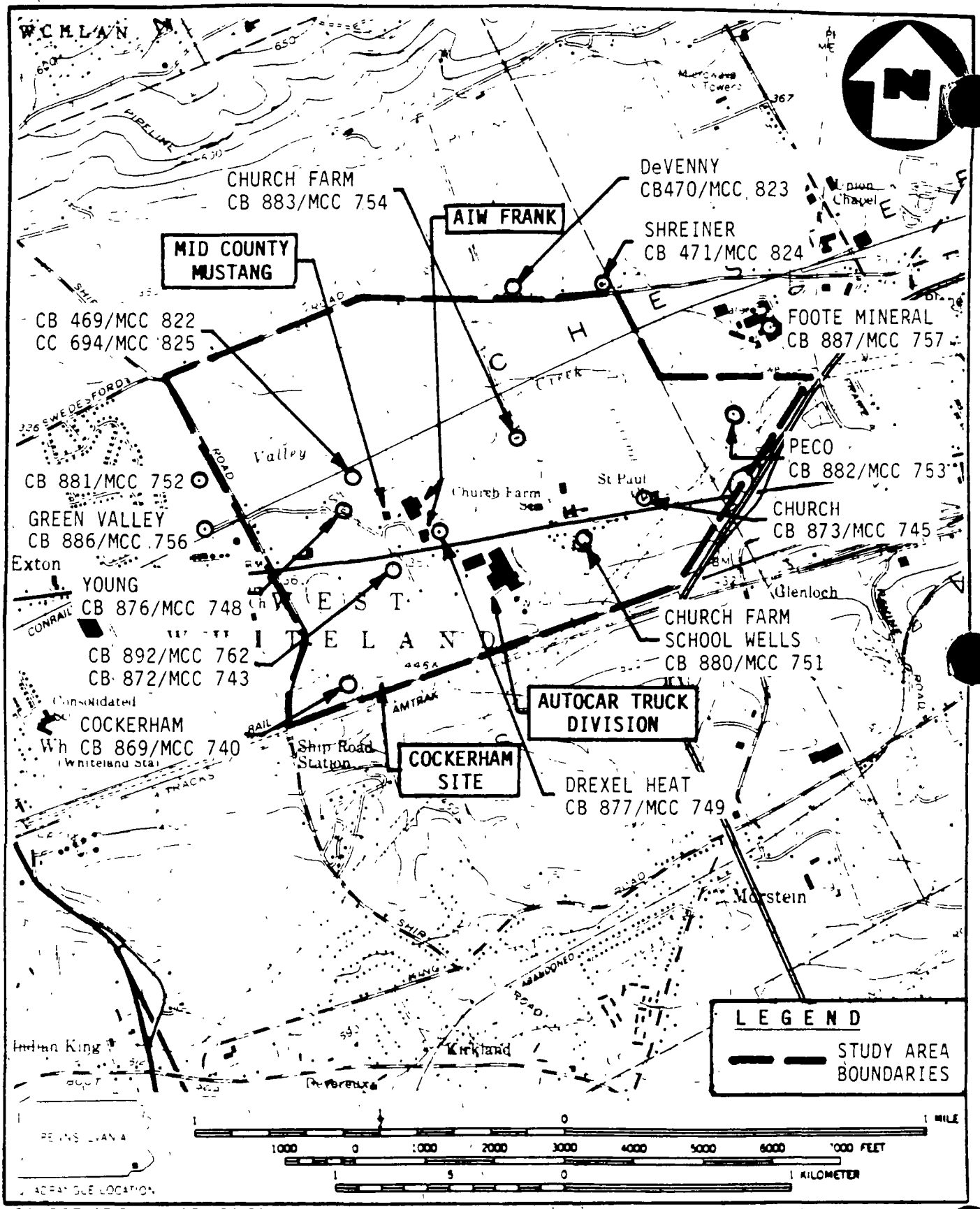
AREA OF CONCERN AT THE COCKERHAM SITE, EXTON, PA

(NO SCALE)

FIGURE 10

NUS CORPORATION

A Halliburton Company



SOURCE: (7 5 MINUTE SERIES) USGS MALVERN, PA QUAD

OFF-SITE SAMPLE LOCATIONS

EXTON AREA STUDY, EXTON, PA

SCALE 1 24000

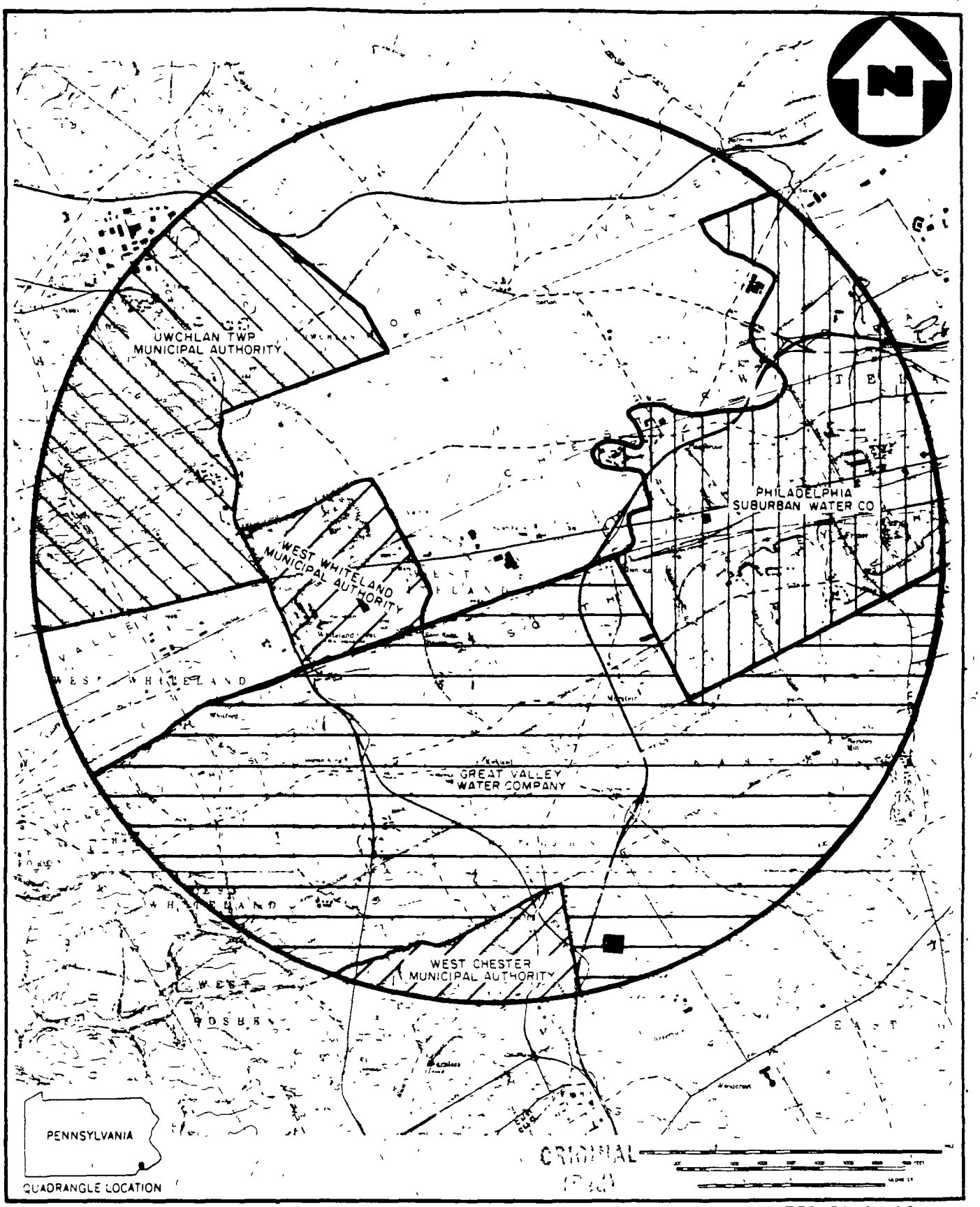
ORIGINAL (Red)

FIGURE 11

NUS CORPORATION

A Halliburton Company

AR100269



SOURCE (7 5 MINUTE SERIES) USGS DOWNINGTOWN, MALVERN, UNIONVILLE, & WEST CHESTER, PA QUADS

FIGURE 12

WATER SUPPLY MAP

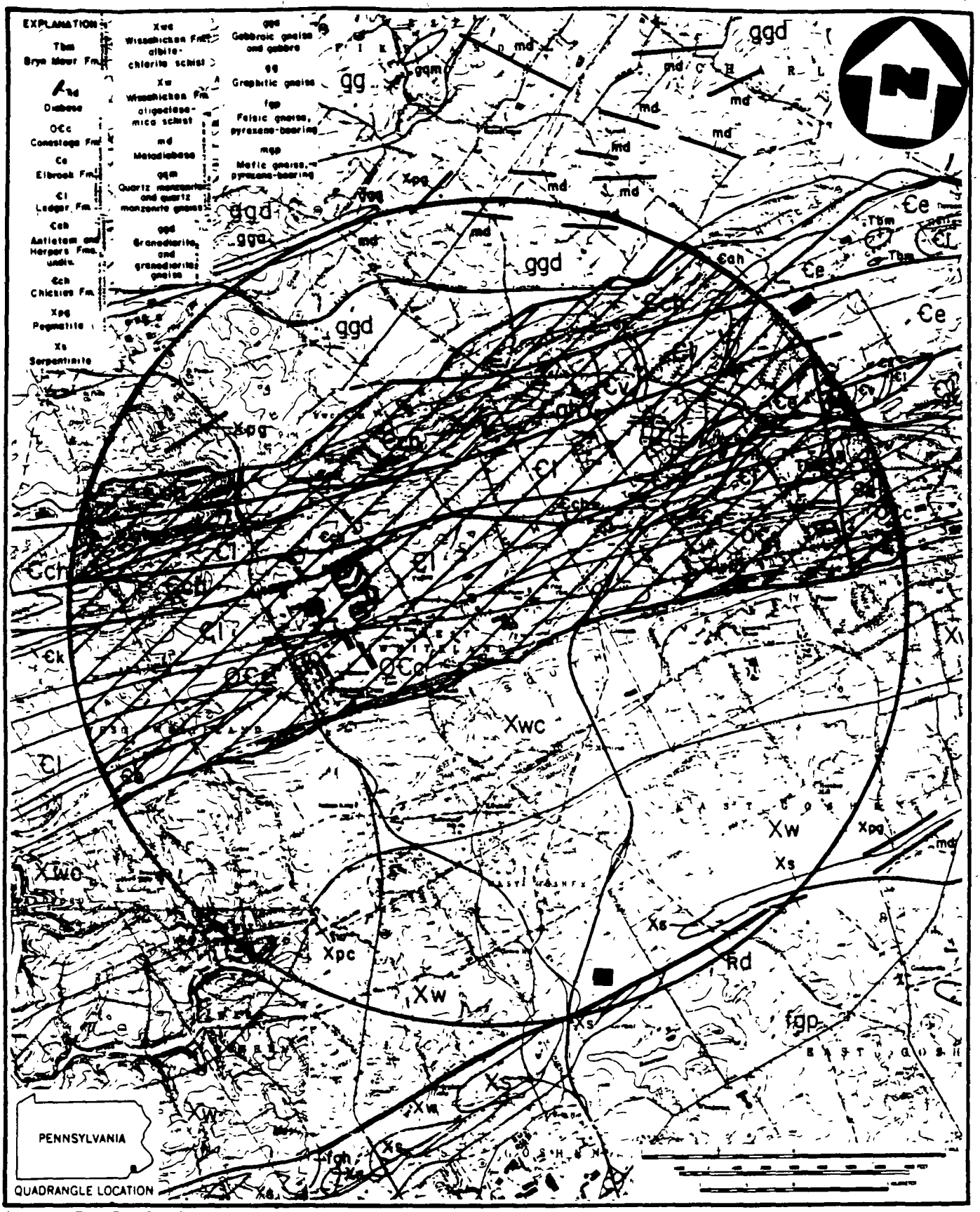
EXTON AREA STUDY, EXTON, PA

(SCALE ABOVE)

AR100270

NUS CORPORATION

A Halliburton Company



SOURCE ATLAS OF PRELIMINARY GEOLOGIC QUADS OF PA

FIGURE 13

GEOLOGIC FORMATIONS WITHIN 3 MILES OF THE AREAS OF CONCERN

EXTON AREA STUDY, EXTON, PA.

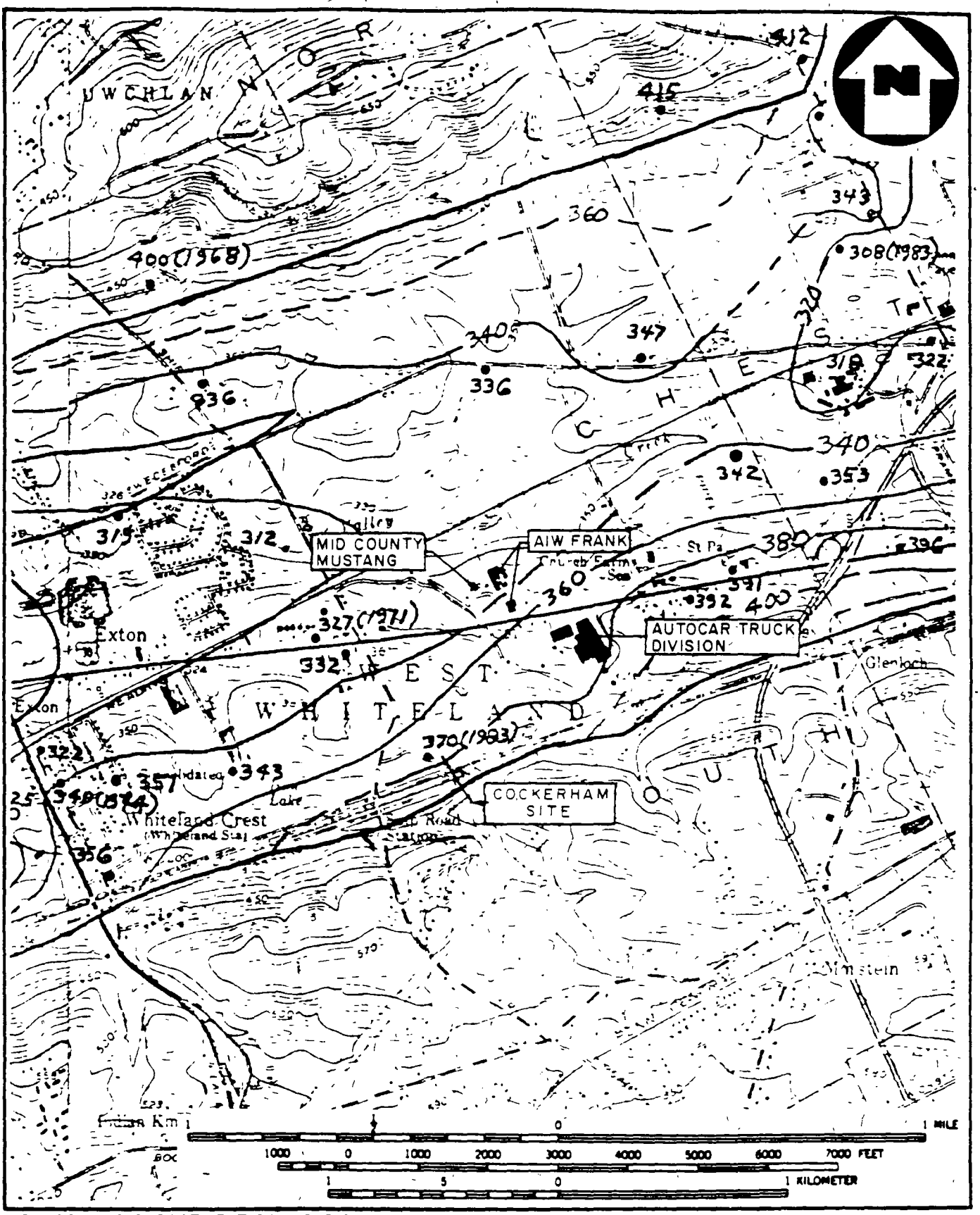
(SCALE ABOVE)

ORIGINAL

AR 100271

NUS CORPORATION

A Halliburton Company



SOURCE US DEPARTMENT OF INTERIOR GEOLOGICAL SURVEY

FIGURE 14

GROUNDWATER LEVELS OF THE CARBONATE ROCKS IN THE SITE AREA

EXTON AREA STUDY, EXTON, PA

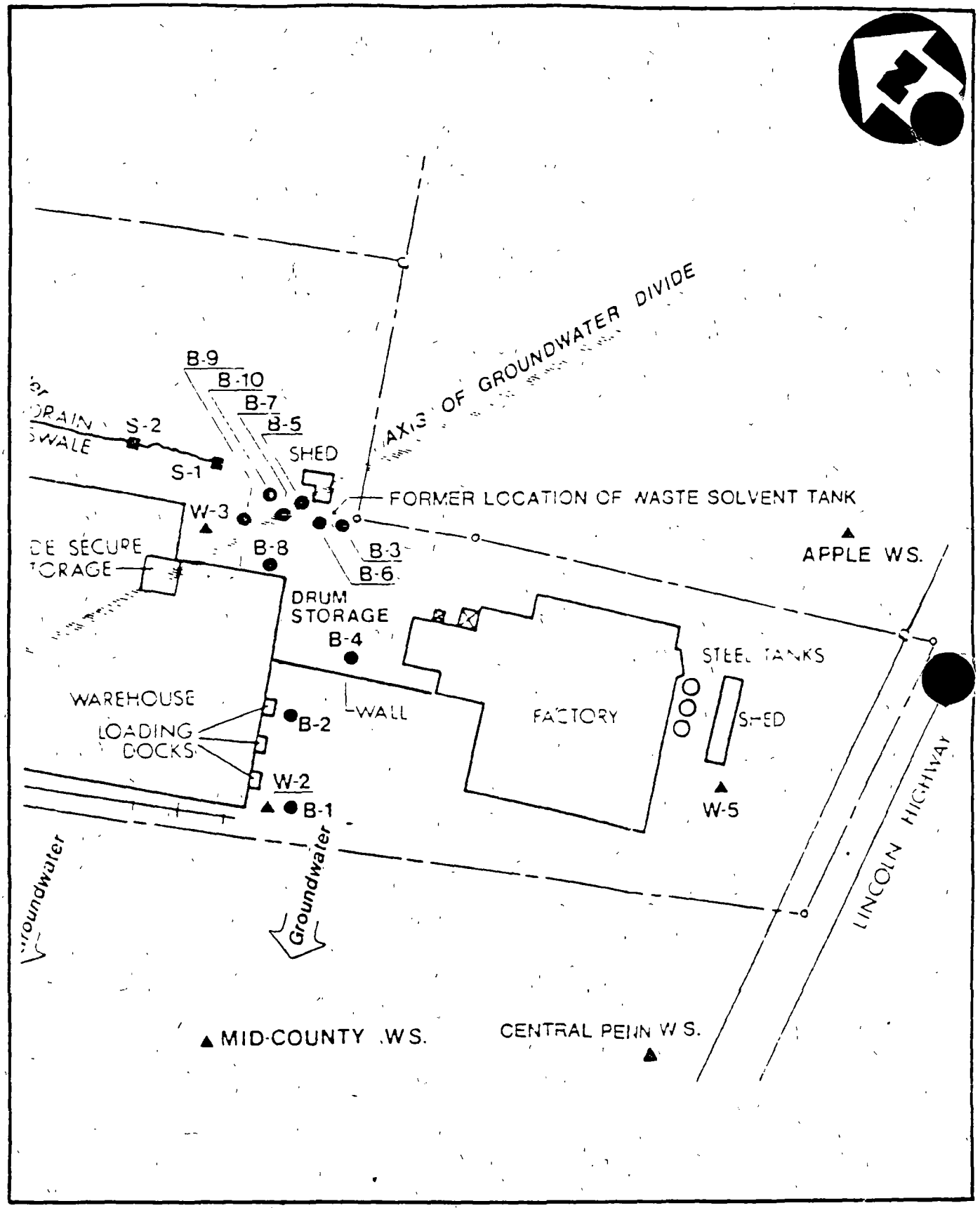
(SCALE ABOVE)

NUS CORPORATION

A Halliburton Company

ORIGINAL (Red)

AR100272



SOURCE BETZ CONVERSE MURDOCH INC

FIGURE 15

BCM SAMPLE LOCATION MAP

AIW FRANK, EXTON, PA.

(NO SCALE)

NUS CORPORATION

A Halliburton Company

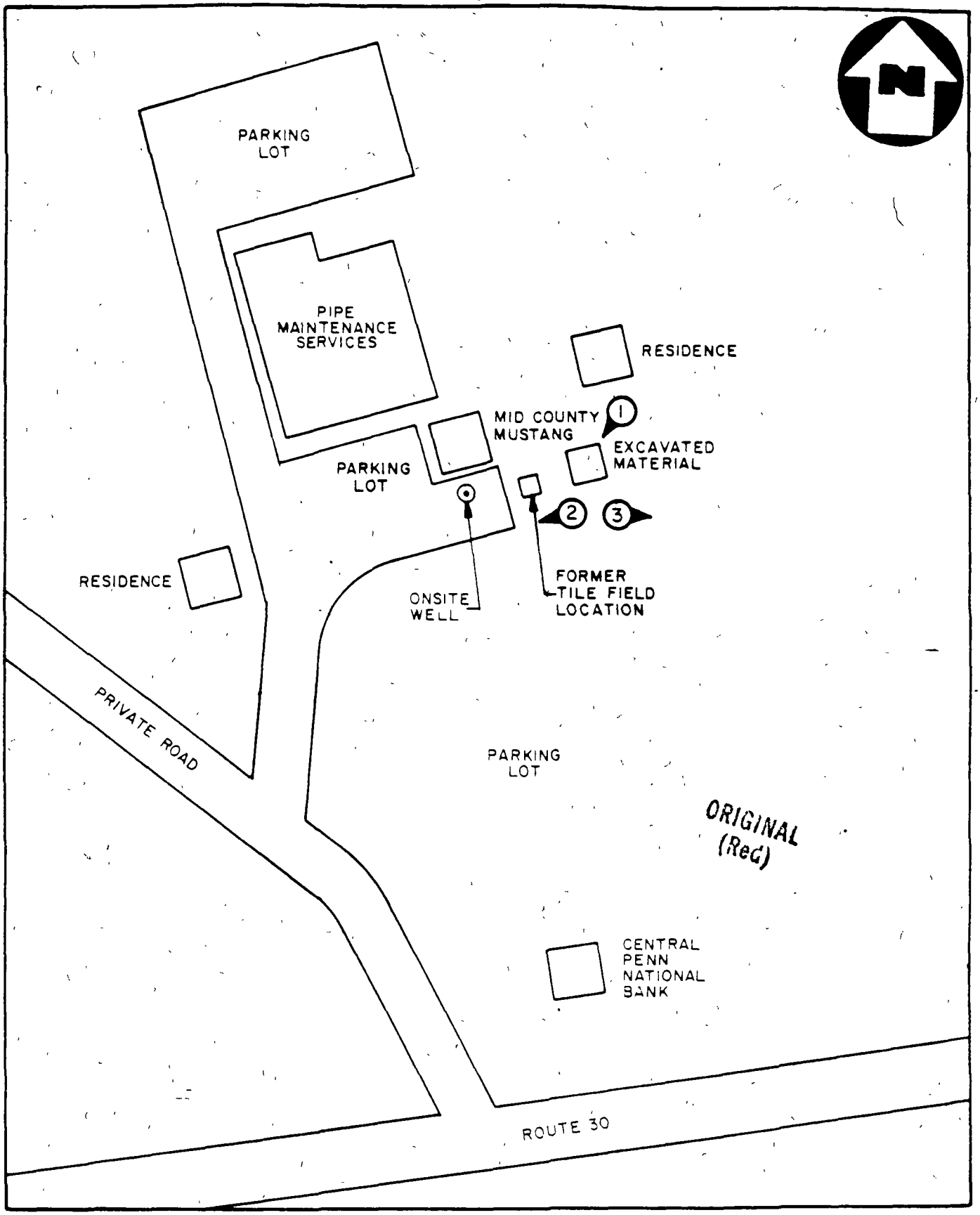


PHOTO LOCATION MAP
MID COUNTY MUSTANG, EXTON, PA.
(NO SCALE)

FIGURE 16

NUS CORPORATION
A Halliburton Company

AR100274

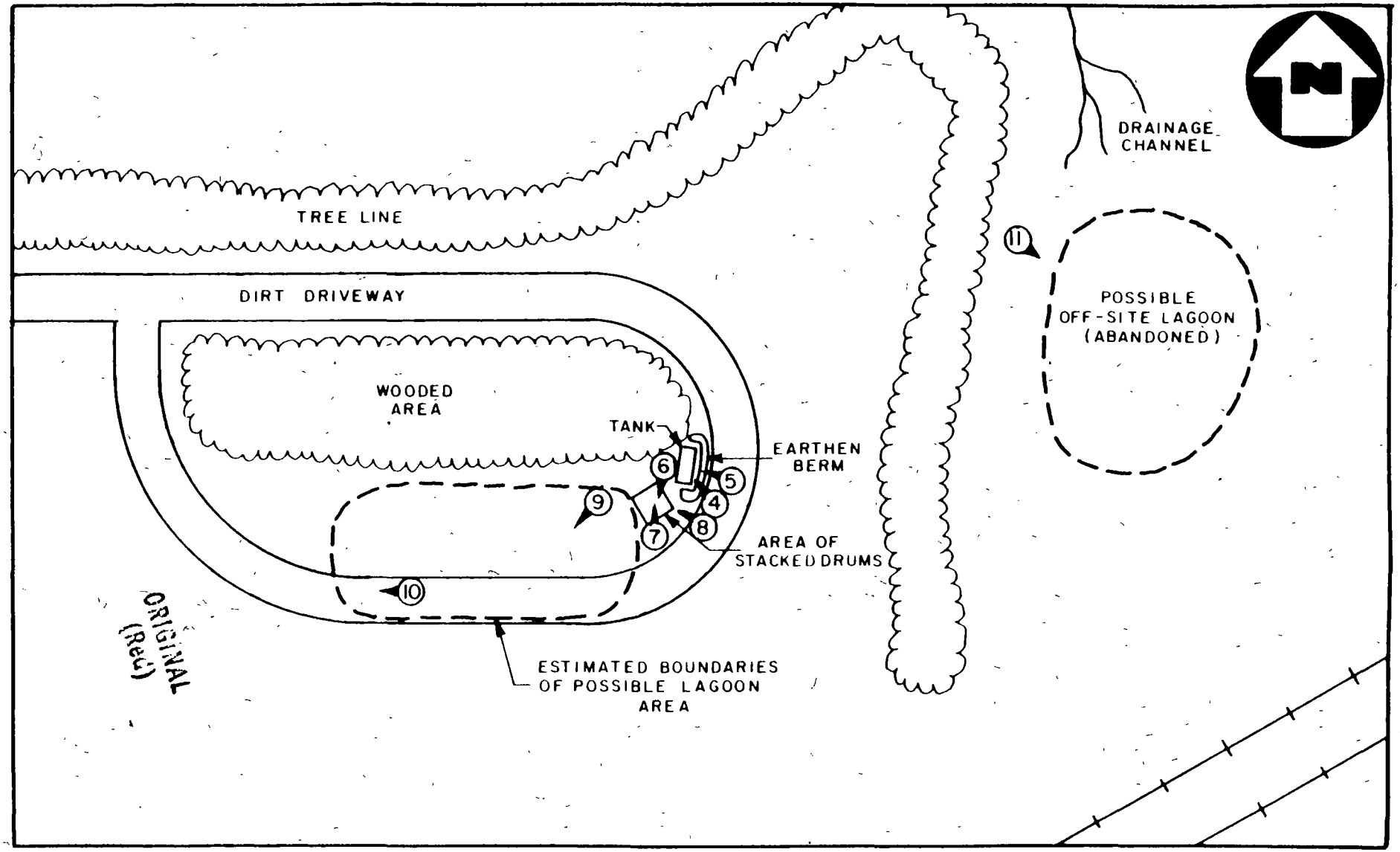


PHOTO LOCATION MAP

AREA OF CONCERN AT THE COCKERHAM SITE, EXTON, PA.

(NO SCALE)

FIGURE 17

NUS CORPORATION

A Halliburton Company

APPENDIX C

PROJECT NAME: EXTON AREA STUDY
TDD NO: F3-8505-13

EPA SITE NO.:
REGION: III

(1)

QUALITY ASSURANCE REVIEW OF ORGANIC ANALYSIS LAB DATA PACKAGE

Case No.: 5215
Contract No.: 68-01-6553
Contract Laboratory: RADIAN
Applicable IFB No.:
Reviewer: ERIC BUSCHKE
Review Date: 3/31/86

Applicable Sample No's.: C6941 C6700, CB87, CB870 CB872, CB873, CB879-CB881, CB893, C6143, C7867, C7858

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				X	NA
Acceptable with exception(s)	X 1,2	X 3	X 1,4		
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
- 1 ● BLANK ANALYSIS RESULTS
- 2 ● SURROGATE SPIKE RESULTS
- 3 ● MATRIX SPIKE RESULTS
- 3 ● DUPLICATE ANALYSIS RESULTS
- 3 ● EVALUATION OF CONFIRMATIONS
- ◒ QUANTITATIVE CALCULATIONS
- 4 ● TARGET COMPOUND MATCHING QUALITY
- ∓ ● TENTATIVELY IDENTIFIED COMPOUNDS
- 3 ● CHROMATOGRAPHIC SENSITIVITY CHECKS
- ∓ ● DFTPP AND BFB SPECTRUM TUNE RESULTS
- 3 ● STANDARDS
- ∓ ● CALIBRATION CHECK STANDARDS
- ∓ ● HOLDING TIMES

ORIGINAL (Red)

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

∓ No errors noted, no form attached.

◒ Spot Check performed.

Comments:

AR100277

BLANK ANALYSIS RESULTS FOR TENTATIVELY IDENTIFIED COMPOUNDS

ALL TENTATIVELY IDENTIFIED COMPOUNDS FOUND IN BLANK ANALYSES ARE LISTED BELOW

SAMPLE #	FRACTION	SCAN #(S)	SPECTRUM MATCH INDICES TYPE	SCORE	TYPE	SCORE	ESTIMATED CONCENTRATION	COMPOUND NAME	COMMENTS
[illegible]	VOA	73					10 µg/L	UNKNOWN	
[illegible]	BNA	237					[illegible] µg/L	UNKNOWN	
↓	↓	[illegible]					2100 µg/L	[illegible]	
↓	↓	[illegible]					700 µg/L	HEPTANE, 2,3-DIMETHYL	
↓	↓	[illegible]					600 µg/L	[illegible] METHYL OCTANE	
↓	↓	[illegible]					400 µg/L	UNKNOWN	
[illegible]	VOA						NO TIC FOUND		
[illegible]	BNA	[illegible]					3200 µg/L	UNKNOWN	
↓	↓	317	FIT	931			1300 µg/L	[illegible]	
↓	↓	[illegible]					46 µg/L	UNKNOWN	
↓	↓	[illegible]	FIT	[illegible]			500 µg/L	[illegible]	
[illegible]	VOA	51					5/IS	UNKNOWN	
↓	↓	[illegible]					5/IS	UNKNOWN	
↓	↓	13[illegible]					[illegible] IS	UNKNOWN	
		[illegible]					[illegible] IS	UNKNOWN	
		[illegible]					[illegible] IS	UNKNOWN	

ORIGINAL
(Red)

AR100278

BLANK ANALYSIS RESULTS FOR TARGET COMPOUNDS

FRACTION	TYPE	CONC	MATRIX	SAMPLE #	SOURCE OF H_2O	CONTAMINANTS (CONCENTRATION / DETECTION LIMIT)
A		LOW	SOIL	HEB1114UOA	LAB	$MeCl_2$ (4/5 µg/L)
						ACETONE (27/60 µg/L)
						2-BUTANONE (9/47 µg/L)
BNA		LOW	SOIL	SEB1118SUA	LAB	DI-N-BUTYL PHTHALATE ([illegible]/10 µg/L)
						BIS (2-ETHYLHEXYL) PHTHALATE (33/10 µg/L)
						PHENOL (27/10 µg/L)
						N-NITROSODIPHENYLAMINE (43/10 µg/L)
VOA		LOW	SOIL	[illegible]	LAB	$MeCl_2$ ([illegible] µg/L)
						ACETONE ([illegible] µg/L)
						2-BUTANONE ([illegible])
BNA		LOW	SOIL	[illegible]	LAB	DI-N-BUTYL PHTHALATE (330 330 µg/L)
[illegible]		LOW	SOIL	HEB11[illegible]	LAB	$MeCl_2$ (4 [illegible] µg/L)
						ACETONE ([illegible]/33 µg/L)
						2-BUTANONE ([illegible])
						TOLUENE (27/11 µg/L)
VOA		LOW	SOIL	[illegible] (FIELD [illegible])	WWS	$MeCl_2$ ([illegible]/25 µg/L)
						ACETONE (140/50 µg/L)
						2-BUTANONE ([illegible]/50 µg/L)
						BENZENE (4 25 µg/L)
						TOLUENE ([illegible] 25 µg/L)

ORIGINAL (Red)

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

COMMENTS:

(1) RESULT REPORTED BY LABORATORY AND CONFIRMED BY REVIEWER

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

AR100279

SOIL SURROGATE PERCENT RECOVERY SUMMARY

Case No. 5215 Contract Laboratory Radian Contract No. 68-01-6853

Low X Medium _____

	VOLATILE			SEMI-VOLATILE								PESTICIDE
SMO TRAFFIC NO	TOLUENE-D8 (81-117)	BFB (74-121)	1,2 DICHLOROETHANE-D4 (70-121)	NITROBENZENE-D5 (23-120)	2-FLUOROBIPHENYL (30-115)	TERPHENYL-D14 (18-137)			PHENOL-D5 (24-113)	2-FLUOROPHENOL (25-121)	2,4,6 TRIBROMOPHENOL (19-122)	DIBUTYLCHLORENDATE ** (20-150)
CB878MS				74	25*	37			68	78	49	107
CB878MSD				76	35	47			70	76	63	63
AIR SEB111185000				81	70	53			92	93	57	
Blank SED111185000				80	25*	41			84	63	49	
Blank SB111185000												64

AR100280

* VALUES ARE OUTSIDE OF CONTRACT REQUIRED QC LIMITS

** ADVISORY LIMITS ONLY

ORIGINAL (Red)

Volatiles: 0 out of 0 ; outside of QC limits

Semi-Volatiles: 2 out of 24 ; outside of QC limits

Pesticides: 0 out of 3 ; outside of QC limits

7/85

Comments: _____

APPENDIX D

ORGANICS ANALYSIS DATA SHEET SAMPLE # CC398

5215

ABORATORY	IT/CERR	CASE #/SAS #	3216
ABORATORY ID	35030N10	QC REPORT #	6962-245
MATRIX	WATER	CONTRACT #	68-01-6962
		DATE RECEIVED	11/14/85

ATA RELEASE AUTHORIZED BY Elizabeth Martinez

VOLATILE COMPOUNDS

LEVEL	LOW
DATE EXT/PREP	11/21/85
DATE ANALYZED	11/21/85
SPL-->EXTRACT	5ML
PH	Not Analyzed
% MOISTURE (NOT DEC)	
% MOISTURE (DEC)	
STANDARD ID	VOA535
SENSITIVITY ID	BFD481
UNITS	UG/L

#	CAS #		CONC
45V	74-87-3	CHLOROMETHANE	10 U
4 V	74-83-9	BROMOMETHANE	10 U
E V	75-01-4	VINYL CHLORIDE	10 U
1 V	75-00-3	CHLOROETHANE	10 U
44V	75-09-2	METHYLENE CHLORIDE	29 B
1 4	67-64-1	ACETONE	1 JB
1 4	75-15-0	CARBON DISULFIDE	5 U
29V	75-35-4	1,1-DICHLOROETHENE	5 U
1 V	75-34-3	1,1-DICHLOROETHANE	5 U
3 V	156-60-5	TRANS-1,2-DICHLOROETHENE	5 U
23V	67-66-3	CHLOROFORM	5 U
0V	107-06-2	1,2-DICHLOROETHANE	5 U
4	78-93-3	2-BUTANONE	10 U
1V	71-55-6	1,1,1-TRICHLOROETHANE	5 U
6V	56-23-5	CARBON TETRACHLORIDE	5 U
	108-05-4	VINYL ACETATE	10 U
	75-27-4	BROMODICHLOROMETHANE	5 U
2V	78-87-5	1,2-DICHLOROPROPANE	5 U
T	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5 U
7	79-01-6	TRICHLOROETHENE	5 U
1V	124-48-1	CHLORODIBROMOMETHANE	5 U
4V	79-00-5	1,1,2-TRICHLOROETHANE	5 U
4	71-43-2	BENZENE	5 U
	10061-01-5	CIS-1,3-DICHLOROPROPENE	5 U
	110-75-8	2-CHLOROETHYLVINYL ETHER	10 U
	75-25-2	BROMOFORM	5 U
	519-78-6	2-HEXANONE	10 U
	108-10-1	4-METHYL-2-PENTANONE	10 U
	127-18-4	TETRACHLOROETHENE	5 U
	79-34-5	1,1,2,2-TETRACHLOROETHANE	5 U
5V	108-88-3	TOLUENE	5 U
V	108-90-7	CHLOROBENZENE	5 U
	100-41-4	ETHYLBENZENE	5 U
8	100-42-5	STYRENE	5 U
H	95-47-6	TOTAL XYLENES	5 U

ORIGINAL (Red)

AR100282

L RESULTS ARE REPORTED ON A WET WEIGHT BASIS

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CC398

LABORATORY	IT/CERR	CASE #/SAS #:	5215
LABORATORY ID	35030F3	QC REPORT #:	6962-245
[redacted]IX	WATER	CONTRACT #:	68-01-6962
		DATE RECEIVED	11/14/85

DATA RELEASE AUTHORIZED BY Elizabeth Martinez

SEMIVOLATILE COMPOUNDS (PAGE 1)

LEVEL:	LOW	GPC	Y_ N✓
DATE EXT/PREP	11/16/85	SEP FUNNEL	Y_ N✓
DATE ANALYZED	12/11/85	CONT EXT.	Y✓ N_
SPL-->EXTRACT	1L 2ML		
PH	Not Analyzed		
% MOISTURE (NOT DEC.)	↓		
% MOISTURE (DEC.)			
STANDARD ID	BNAZ450		
SENSITIVITY ID	SENS853		
UNITS	UG/L		

PP #	CAS #		CONC
65A	108-95-2	PHENOL	20 U
18B	111-44-4	BIS (2-CHLOROETHYL) ETHER	20 U
24A	95-57-8	2-CHLOROPHENOL	20. U
26B	541-73-1	1,3-DICHLOROBENZENE	20. U
27B	106-46-7	1,4-DICHLOROBENZENE	20 U
[redacted]	100-51-6	BENZYL ALCOHOL	20. U
[redacted]	95-50-1	1,2-DICHLOROBENZENE	20 U
[redacted]	95-48-7	2-METHYLPHENOL	20 U
42B	39638-32-9	BIS (2-CHLOROISOPROPYL) ETHER	20 U
3H	106-44-5	4-METHYLPHENOL	20 U
63B	621-64-7	N-NITROSO-DI-N-PROPLYAMINE	20 U
12B	67-72-1	HEXACHLOROETHANE	20 U
56B	98-95-3	NITROBENZENE	20 U
54B	78-59-1	ISOPHORONE	20 U
57A	88-75-5	2-NITROPHENOL	20 U
34A	105-67-9	2,4-DIMETHYLPHENOL	20 U
1H	65-85-0	BENZOIC ACID	100 U
43B	111-91-1	BIS (2-CHLOROETHOXY) METHANE	20 U
31A	120-33-2	2,4-DICHLOROPHENOL	20 U
8B	120-82-1	1,2,4-TRICHLOROBENZENE	20 U
55B	91-20-3	NAPHTHALENE	20 U
7H	106-47-8	4-CHLOROANILINE	20 U
52B	87-68-3	HEXACHLOROBUTADIENE	20 U
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	20 U
9H	91-57-6	2-METHYLNAPHTHALENE	20 U
53B	77-47-4	HEXACHLOROCYCLOPENTADIENE	20 U
21A	88-06-2	2,4,6-TRICHLOROPHENOL	20 U
4H	95-95-4	2,4,5-TRICHLOROPHENOL	100 U
20B	91-58-7	2-CHLORONAPHTHALENE	20 U
10H	88-74-4	2-NITROANILINE	100 U
71B	131-11-3	DIMETHYLPHTHALATE	20 U
[redacted]	208-96-8	ACENAPHTHALENE	20 U
[redacted]	99-09-2	3-NITROANILINE	100 U
1B	83-32-9	ACENAPHTHENE	20 U
59A	51-28-5	2,4-DINITROPHENOL	100 U

ORIGINAL (Red)

AR100283

ORGANICS ANALYSIS DATA SHEET SAMPLE # CC398

LABORATORY	IT/CERR	CASE #/SAS #	5215
LABORATORY ID	35030F3	QC REPORT #	6962-245
MATRIX	WATER	CONTRACT #	68-01-6962
		DATE RECEIVED	11/14/85

DATA RELEASE AUTHORIZED BY Elizabeth Martinez

SEMIVOLATILE COMPOUNDS (PAGE 2)

LEVEL	LOW	GPC	Y_ N✓
DATE EXT/PREP	11/16/85	SEP FUNNEL	Y_ N✓
DATE ANALYZED	12/11/85	CONT. EXT	Y✓ N_
SPL-->EXTRACT	1L 2ML		
PH	Not Analyzed		
% MOISTURE (NOT DEC)			
% MOISTURE (DEC.)			
STANDARD ID	BNAZ450		
SENSITIVITY ID	SENS853		
UNITS	UG/L		

PP #	CAS #		CONC
58A	100-02-7	4-NITROPHENOL	100 U
8H	132-64-9	DIBENZOFURAN	20 U
35B	121-14-2	2,4-DINITROTOLUENE	20 U
36B	606-20-2	2,6-DINITROTOLUENE	20 U
70B	84-66-2	DIETHYLPHTHALATE	20 U
40B	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	20 U
80B	86-73-7	FLUORENE	20 U
12H	100-01-6	4-NITROANILINE	100 U
60A	534-52-1	4,6-DINITRO-O-CRESOL	100 U
62B	86-30-6	N-NITROSODIPHENYLAMINE	20 U
41B	101-55-3	4-BROMOPHENOXYBENZENE	20 U
9B	118-74-1	HEXACHLOROBENZENE	20 U
64A	87-86-5	PENTACHLOROPHENOL	100 U
81B	85-01-8	PHENANTHRENE	20 U
78B	120-12-7	ANTHRACENE	20 U
68B	84-74-2	DI-N-BUTYLPHTHALATE	4 J
39B	206-44-0	FLUORANTHENE	20 U
84B	129-00-0	PYRENE	20 U
67B	85-68-7	BUTYLBENZYLPHTHALATE	20 U
28B	91-94-1	3,3'-DICHLOROBENZIDINE	40 U
72B	56-55-3	BENZO (A) ANTHRACENE	20 U
66B	117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	20 U
76B	218-01-9	CHRYSENE	20 U
69B	117-84-0	DI-N-OCTYLPHTHALATE	20 U
74B	205-99-2	BENZO (B & K) FLUORANTHENE	20 U
73B	50-32-8	BENZO (A) PYRENE	20 U
83B	193-39-5	INDENO-1,2,3 (C,D) PYRENE	20 U
82B	53-70-3	DIBENZO (A,H) ANTHRACENE	20 U
79B	191-24-2	BENZO (G,H,I) PERYLENE	20 U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS

ORIGINAL
(Red)

Sample #: CC 348

Laboratory: IT/Cerritos
Lab ID: 319-31
Lab ID for Dil: —
Sample Matrix: Water
Data Release Authorized by: TAR/TAR

Case #/SAS #: 5215
QC Report #: 6962-245
Contract #: 68-01-6962
Date Rec'd: 11-14-85

Elizabeth Martinez

Organics Analysis Data Sheet
Pesticide/PCB's

Sample Level: Low
Date Extracted: 11-15-85
Date Analyzed: 11-27-85
Spl->Extract: 1L → 10ml, 1ml → 1ml
For Dilution: —
pH: Not Analyzed
% Moisture: ↓
% Moisture (Decanted): ↓
Lab Std ID: 319-44

ALL RESULTS ARE REPORTED ON WET WEIGHT BASIS.

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

319-84-6	alpha-BHC	0.05U
319-85-7	beta-BHC	
319-86-8	delta-BHC	
58-89-9	gamma-BHC (Lindane)	
76-44-8	Heptachlor	
309-00-2	Aldrin	
1024-57-3	Heptachlor Epoxide	
959-98-8	Endosulfan I	↓
60-57-1	Dieldrin	0.1U
72-55-9	4,4'-DDE	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4,4'-DDD	
1031-07-8	Endosulfan Sulfate	
50-29-3	4,4'-DDT	↓
72-43-5	Methoxychlor	0.5U
53494-70-5	Endrin Ketone	0.1U
57-74-9	Chlordane	0.5U
8001-35-2	Toxaphene	1U
12674-11-2	Arochlor-1016	0.5U
11104-28-2	Arochlor-1221	
11141-16-5	Arochlor-1232	
53469-21-9	Arochlor-1242	
12672-29-6	Arochlor-1248	↓
11097-69-1	Arochlor-1254	1U
11096-82-5	Arochlor-1260	↓

U - Analyzed for but not detected (Reported Value is Detection Limit-DL)
J - Estimated Value (0 < Value < DL)
C - Confirmed by GC/MS-GC Quantitation
B - Compound found in Blank. Sample results are not Blank Corrected.
** - Detected below GC/MS DL-GC Quantitation
N - Not Confirmed by GC/MS-GC/MS DL
NA - Not Analyzed
NR - Not Reported

ORIGINAL (RED)

V_i = Volume of extract injected (ul)
V_s = Volume of water extracted (ml)
W_s = Weight of sample extracted (g)
V_t = Volume of total extract (ul)

V_s 1000 ml or
W_s — g
V_t 10,000 ul
V_i 5 ul

Surrogate Spike Recoveries — Circle Units: ug/Kg, (ug/L)

Lab ID	Fraction	Compound	Conc. Sample	Conc. Spiked	% Recovery
319-31	Pest.	Dibutyl Chlorendate	0.53	1.0	53

* - Asterisked Values are outside QC Limits. NS - Not Spiked
# - _____ Recoveries due to Dilution.
s - _____ Recoveries due to Matrix Effects.

Rev 8/85

ORGANICS ANALYSIS DATA SHEET SAMPLE #. CB892

LABORATORY IT/CERR
LABORATORY ID 35031N11
MATRIX WATER

CASE #/SAS #: 5215
QC REPORT #: 8962-247
CONTRACT #. 68-01-6962
DATE RECEIVED 11/14/85

DATA RELEASE AUTHORIZED BY:

Unnamed Trib downstream

VOLATILE COMPOUNDS

LEVEL.	LOW
DATE EXT/PREP	11/21/85
DATE ANALYZED	11/21/85
SPL-->EXTRACT	5ML
PH.	Not Analyzed
% MOISTURE (NOT DEC.).	
% MOISTURE (DEC)	
STANDARD ID	VOA535
SENSITIVITY ID	BFD481
UNITS	UG/L

PP #	CAS #		CONC
15V	74-87-3	CHLOROMETHANE	10. U
46V	74-83-9	BROMOMETHANE	10. U
18V	75-01-4	VINYL CHLORIDE	10. U
6V	75-00-3	CHLOROETHANE	10. U
44V	75-09-2	METHYLENE CHLORIDE	25. B
13H	67-64-1	ACETONE	10. U
5H	75-15-0	CARBON DISULFIDE	5. U
29V	75-35-4	1,1-DICHLOROETHENE	5. U
13V	75-34-3	1,1-DICHLOROETHANE	5. U
0V	156-60-5	TRANS-1,2-DICHLOROETHENE	5. U
3V	67-66-3	CHLOROFORM	5. U
10V	107-06-2	1,2-DICHLOROETHANE	5. U
4H	78-93-3	2-BUTANONE	10. U
1V	71-55-6	1,1,1-TRICHLOROETHANE	5 U
6V	56-23-5	CARBON TETRACHLORIDE	5. U
19H	108-05-4	VINYL ACETATE	10. U
3V	75-27-4	BROMODICHLOROMETHANE	5. U
12V	78-87-5	1,2-DICHLOROPROPANE	5. U
23VT	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5. U
7V	79-01-6	TRICHLOROETHENE	5. U
9V	124-48-1	CHLORODIBROMOMETHANE	5 U
14V	79-00-5	1,1,2-TRICHLOROETHANE	5. U
4V	71-43-2	BENZENE	5 U
22VC	10061-01-5	CIS-1,3-DICHLOROPROPENE	5 U
17V	110-75-8	2-CHLOROETHYLVINYL ETHER	10 U
3V	75-25-2	BROMOFORM	5 U
H	591-78-6	2-HEXANONE	10 U
	108-10-1	4-METHYL-2-PENTANONE	10 U
85V	127-18-4	TETRACHLOROETHENE	5. U
1 V	79-34-5	1,1,2,2-TETRACHLOROETHANE	5. U
5 V	108-88-3	TOLUENE	5. U
7V	108-90-7	CHLOROBENZENE	5. U
29V	100-41-4	ETHYLBENZENE	5 U
1 H	100-42-5	STYRENE	5 U
20H	95-47-6	TOTAL XYLENES	5 U

ORIGINAL

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS

ORGANICS ANALYSIS DATA SHEET SAMPLE # CC398RE

LABORATORY	IT/CERR	CASE #/SAS #	5215
LABORATORY ID	35030AB7	QC REPORT #	6962-245
MATRIX	WATER	CONTRACT #	68-01-5962
		DATE RECEIVED	11/14/85

DATA RELEASE AUTHORIZED BY Cheryl Sirl

SEMIVOLATILE COMPOUNDS (PAGE 1)

LEVEL	LOW	GPC	Y_ N✓
DATE EXT/PREP	12/17/85	SEP FUNNEL	Y_ N✓
DATE ANALYZED	01/10/86	CONT EXT	Y✓ N_
SPL-->EXTRACT	1L 2ML		
PH	NA	Sample Originally Extracted: 11/16/85	
% MOISTURE (NOT DEC)		Re-Extracted Due To: low Nitrobenzene-d5 and 2-fluorobiphenyl	
% MOISTURE (DEC)			
STANDARD ID	BNA864		
SENSITIVITY ID	FSS577		
UNITS	UG/L		

P #	CAS #		CONC
5A	108-95-2	PHENOL	20 U
8B	111-44-4	BIS (2-CHLOROETHYL) ETHER	20 U
24A	95-57-8	2-CHLOROPHENOL	20. U
26B	541-73-1	1,3-DICHLOROBENZENE	20 U
[redacted]	106-46-7	1,4-DICHLOROBENZENE	20. U
[redacted]	100-51-6	BENZYL ALCOHOL	20 U
25B	95-50-1	1,2-DICHLOROBENZENE	20 U
2H	95-48-7	2-METHYLPHENOL	20 U
2B	39638-32-9	BIS (2-CHLOROISOPROPYL) ETHER	20 U
3H	106-44-5	4-METHYLPHENOL	20 U
3B	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	20 U
2B	67-72-1	HEXACHLOROETHANE	20 U
6B	98-95-3	NITROBENZENE	20 U
54B	78-59-1	ISOPHORONE	20 U
7A	88-75-5	2-NITROPHENOL	20 U
4A	105-67-9	2,4-DIMETHYLPHENOL	20 U
1H	65-85-0	BENZOIC ACID	100 U
3B	111-91-1	BIS (2-CHLOROETHOXY) METHANE	20 U
1A	120-83-2	2,4-DICHLOROPHENOL	20 U
8B	120-82-1	1,2,4-TRICHLOROBENZENE	20 U
5B	91-20-3	NAPHTHALENE	20 U
7H	106-47-8	4-CHLOROANILINE	20 U
2B	87-68-3	HEXACHLOROBUTADIENE	20 U
2A	59-50-7	4-CHLORO-3-METHYLPHENOL	20 U
9H	91-57-6	2-METHYLNAPHTHALENE	20 U
3B	77-47-4	HEXACHLOROCYCLOPENTADIENE	20 U
1A	88-06-2	2,4,6-TRICHLOROPHENOL	20 U
4H	95-95-4	2,4,5-TRICHLOROPHENOL	100 U
0B	91-58-7	2-CHLORONAPHTHALENE	20 U
1[redacted]	88-74-4	2-NITROANILINE	100 U
7[redacted]	131-11-3	DIMETHYLPHTHALATE	20 U
7B	208-96-8	ACENAPHTHALENE	20. U
1H	99-09-2	3-NITROANILINE	100 U
1B	83-32-9	ACENAPHTHENE	20 U
9A	51-28-5	2,4-DINITROPHENOL	100 U

ORGANICS ANALYSIS DATA SHEET SAMPLE # CC398RE

LABORATORY	IT/CERR	CASE #/SAS #	5215
LABORATORY ID	35030A37	QC REPORT #	6962-245
MATRIX	WATER	CONTRACT #	68-01-6962
		DATE RECEIVED	11/14/85

DATA RELEASE AUTHORIZED BY Cheryl Stahl

SEMIVOLATILE COMPOUNDS (PAGE 2)

LEVEL	LOW	GPC	Y_ N✓
DATE EXT/PREP	12/17/85	SEP FUNNEL	Y_ N✓
DATE ANALYZED	01/10/86	CONT EXT	Y✓ N_
SPL--EXTRACT	1L 2ML		
PH	NA	Sample Originally Extracted: 11/16/85	
% MOISTURE (NOT DEC		Re-Extracted Due To: low Nitrobenzene-d5 and 2-fluorobiphenyl	
% MOISTURE (DEC)			
STANDARD ID	BNA864		
SENSITIVITY ID	FSS577		
UNITS	UG/L		

PP #	CAS #		CONC
8A	100-02-7	4-NITROPHENOL	100 U
8H	132-64-9	DIBENZOFURAN	20 U
35B	121-14-2	2,4-DINITROTOLUENE	20 U
6B	606-20-2	2,6-DINITROTOLUENE	20 U
0B	84-66-2	DIETHYLPHTHALATE	20 U
40B	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	20 U
0B	86-73-7	FLUORENE	20 U
2H	100-01-6	4-NITROANILINE	100 U
60A	534-52-1	4,6-DINITRO-O-CRESOL	100 U
62B	86-30-6	N-NITROSODIPHENYLAMINE	20 U
1B	101-55-3	4-BROMOPHENOXYBENZENE	20 U
9B	118-74-1	HEXACHLOROBENZENE	20 U
64A	87-86-5	PENTACHLOROPHENOL	100 U
1B	85-01-8	PHENANTHRENE	20 U
8B	120-12-7	ANTHRACENE	20 U
68B	84-74-2	DI-N-BUTYLPHTHALATE	20 U
9B	206-44-0	FLUORANTHENE	20 U
4B	129-00-0	PYRENE	20 U
67B	85-68-7	BUTYLBENZYLPHTHALATE	20 U
28B	91-94-1	3,3'-DICHLOROBENZIDINE	40 U
2B	56-55-3	BENZO (A) ANTHRACENE	20 U
66B	117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	20 U
76B	218-01-9	CHRYSENE	20 U
9B	117-84-0	DI-N-OCTYLPHTHALATE	20 U
4B	205-99-2	BENZO (B & K) FLUORANTHENE	20 U
72B	50-32-8	BENZO (A) PYRENE	20 U
73B	193-39-5	INDENO-1,2,3 (C,D) PYRENE	20 U
2B	53-70-3	DIBENZO (A,H) ANTHRACENE	20 U
3B	191-24-2	BENZO (G,H,I) PERYLENE	20 U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS

ORIGINAL (Red)

AR100288

ORGANICS ANALYSIS DATA SHEET SAMPLE # C7866

LABORATORY	IT CORP	CASE #/SAS #	5215
LABORATORY ID	REGION2	QC REPORT #	6962-245
MATRIX	WATER	CONTRACT #	68-01-6962
		DATE RECEIVED	11/14/85

DATA RELEASE AUTHORIZED BY Elizabeth Martinez

VOLATILE COMPOUNDS

LEVEL	LOW
DATE EXT/PREP	11/20/85
DATE ANALYZED	11/20/85
EPL--I EXTRACT	5ML
PH	Not Analyzed
% MOISTURE (NOT DEC.)	
% MOISTURE (DEC.)	
STANDARD ID	VOA532
SENSITIVITY ID	BFD478
UNITS	UG/L

#	CAS #		CONC	
19V	74-87-3	CHLOROMETHANE	10	U
3V	74-83-9	BROMOMETHANE	10	U
8EV	75-01-4	VINYL CHLORIDE	10	U
16V	75-00-3	CHLOROETHANE	10	U
4V	75-09-2	METHYLENE CHLORIDE	29	B
2V	67-64-1	ACETONE	10	U
15H	75-15-0	CARBON DISULFIDE	5	U
7V	75-35-4	1,1-DICHLOROETHENE	5	U
6V	75-34-3	1,1-DICHLOROETHANE	6	
20V	156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
5V	67-66-3	CHLOROFORM	5	U
3V	107-06-2	1,2-DICHLOROETHANE	5	U
4H	78-93-3	2-BUTANONE	10	U
11V	71-55-6	1,1,1-TRICHLOROETHANE	12	
7V	56-23-5	CARBON TETRACHLORIDE	5	U
H	108-05-4	VINYL ACETATE	10	U
8V	75-27-4	BROMODICHLOROMETHANE	5	U
9V	78-87-5	1,2-DICHLOROPROPANE	5	U
17V	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
18V	79-01-6	TRICHLOROETHENE	5	U
21V	124-48-1	DIBROMOCHLOROMETHANE	5	U
V	79-00-5	1,1,2-TRICHLOROETHANE	5	U
V	71-43-2	BENZENE	5	U
23V	10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
V	110-75-8	2-CHLOROETHYLVINYL ETHER	10	U
	75-25-2	BROMOFORM	5	U
14V	108-10-1	4-METHYL-2-PENTANONE	10	U
	127-18-4	TETRACHLOROETHENE	5	U
	79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
24V	108-88-3	TOLUENE	5	U
V	108-90-7	CHLOROBENZENE	5	U
12V	100-41-4	ETHYLBENZENE	5	U
13H	100-42-5	STYRENE	5	U
H	95-47-6	TOTAL XYLENES	5	U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS

ORGANICS ANALYSIS DATA SHEET SAMPLE # C7866

LABORATORY	IT/CERR	CASE #/SAS #	5215
LABORATORY ID	35030F14	QC REPORT #	6962-245
MATRIX	WATER	CONTRACT #	68-01-6962
		DATE RECEIVED	11/14/85

DATA RELEASE AUTHORIZED BY Elizabeth Martinez

SEMIVOLATILE COMPOUNDS (PAGE 1)

LEVEL	LOW	GPC	Y_ N✓
DATE EXT/PREP	11/16/85	SEP FUNNEL	Y_ N✓
DATE ANALYZED	12/12/85	CONT EXT	Y✓ N_
SPL--EXTRACT	1L 2ML		
PH	Not Analyzed		
% MOISTURE (NOT DEC)			
% MOISTURE (DEC)			
STANDARD ID	BNAZ451		
SENSITIVITY ID	SENS854		
UNITS	UG/L		

PP #	CAS #		CONC
65A	108-95-2	PHENOL	20 U
18B	111-44-4	BIS (2-CHLOROETHYL) ETHER	20 U
24A	95-57-8	2-CHLOROPHENOL	20 U
26B	541-73-1	1,3-DICHLOROBENZENE	20 U
27B	106-46-7	1,4-DICHLOROBENZENE	20 U
6H	100-51-6	BENZYL ALCOHOL	20 U
25B	95-50-1	1,2-DICHLOROBENZENE	20 U
2H	95-48-7	2-METHYLPHENOL	20 U
42B	39638-32-9	BIS (2-CHLOROISOPROPYL) ETHER	20 U
3H	106-44-5	4-METHYLPHENOL	20 U
63B	621-64-7	N-NITROSO-DI-N-PROPLYAMINE	20 U
12B	67-72-1	HEXACHLOROETHANE	20 U
56B	98-95-3	NITROBENZENE	20 U
54B	78-59-1	ISOPHORONE	20 U
57A	88-75-5	2-NITROPHENOL	20 U
34A	105-67-9	2,4-DIMETHYLPHENOL	20 U
1H	65-85-0	BENZOIC ACID	100 U
43B	111-91-1	BIS (2-CHLOROETHOXY) METHANE	20 U
31A	120-33-2	2,4-DICHLOROPHENOL	20 U
8B	120-82-1	1,2,4-TRICHLOROBENZENE	20 U
55B	91-20-3	NAPHTHALENE	6 J
7H	106-47-8	4-CHLOROANILINE	20 U
52B	87-68-3	HEXACHLOROBUTADIENE	20 U
32A	59-50-7	4-CHLORO-3-METHYLPHENOL	20 U
9H	91-57-6	2-METHYLNAPHTHALENE	20 U
53B	77-47-4	HEXACHLOROCYCLOPENTADIENE	20 U
21A	88-06-2	2,4,6-TRICHLOROPHENOL	20 U
4H	95-95-4	2,4,5-TRICHLOROPHENOL	100 U
20B	91-58-7	2-CHLORONAPHTHALENE	20 U
10H	88-74-4	2-NITROANILINE	100 U
71B	131-11-3	DIMETHYLPHTHALATE	20 U
77B	208-96-8	ACENAPHTHALENE	20 U
11H	99-09-2	3-NITROANILINE	100 U
1B	83-32-9	ACENAPHTHENE	20 U
59A	51-28-5	2,4-DINITROPHENOL	100 U

ORGANICS ANALYSIS DATA SHEET SAMPLE # C7866

LABORATORY	IT/CERR	CASE #/SAS #	5215
[illegible]RATORY ID	35030F14	QC REPORT #	6962-245
[illegible]RIX	WATER	CONTRACT #	68-01-6962
		DATE RECEIVED	11/14/85

DATA RELEASE AUTHORIZED BY Elizabeth L Martinez

SEMIVOLATILE COMPOUNDS (PAGE 2)

LEVEL	LOW	GPC	Y_	N✓
DATE EXT/PREP	11/16/85	SEP FUNNEL	Y_	N✓
DATE ANALYZED	12/12/85	CONT EXT	Y✓	N_
SPL--EXTRACT	1L 2ML			
PH	~~Not Analyzed~~			
% MOISTURE (NOT DEC)				
% MOISTURE (DEC)				
STANDARD ID	BNAZ451			
SENSITIVITY ID	SENS854			
UNITS	UG/L			

PP #	CAS #		CONC
58A	100-02-7	4-NITROPHENOL	100 U
9H	132-64-9	DIBENZOFURAN	20 U
35B	121-14-2	2,4-DINITROTOLUENE	20 U
36B	606-20-2	2,6-DINITROTOLUENE	20 U
70B	84-66-2	DIETHYLPHTHALATE	20 U
[illegible]	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	20 U
[illegible]	86-73-7	FLUORENE	20 U
12H	100-01-6	4-NITROANILINE	100 U
60A	534-52-1	4,6-DINITRO-O-CRESOL	100 U
62B	86-30-6	N-NITROSODIPHENYLAMINE	20 U
41B	101-55-3	4-BROMOPHENOXYBENZENE	20 U
9B	118-74-1	HEXACHLOROBENZENE	20 U
64A	87-86-5	PENTACHLOROPHENOL	100 U
31B	85-01-8	PHENANTHRENE	20 U
73B	120-12-7	ANTHRACENE	20 U
38B	84-74-2	DI-N-BUTYLPHTHALATE	20 U
39B	206-44-0	FLUORANTHENE	20 U
84B	129-00-0	PYRENE	20 U
67B	85-68-7	BUTYLBENZYLPHTHALATE	20 U
23B	91-94-1	3,3'-DICHLOROBENZIDINE	40 U
72B	56-55-3	BENZO (A) ANTHRACENE	20 U
66B	117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	20 U
76B	218-01-9	CHRYSENE	20 U
69B	117-84-0	DI-N-OCTYLPHTHALATE	20 U
74B	205-99-2	BENZO (B & K) FLUORANTHENE	20 U
77B	50-32-8	BENZO (A) PYRENE	20 U
82B	193-39-5	INDENO-1,2,3 (C,D) PYRENE	20 U
83B	53-70-3	DIBENZO (A,H) ANTHRACENE	20 U
79B	191-24-2	BENZO (G,H,I) PERYLENE	20 U

[illegible] RESULTS ARE REPORTED ON A WET WEIGHT BASIS

ORIGINAL (Red)

AR100291

Sample #: C74666

Laboratory: IT/Cerritos
Lab ID: 322-20
Lab ID for Dil: —
Sample Matrix: WATER
Data Release Authorized by: JMH/TAR

Case #/SAS #: 5215
QC Report #: 6962-249
Contract #: 68-01-6902
Date Rec'd: 11-14-85

Elizabeth Martinez

Organics Analysis Data Sheet
Pesticide/PCB's

Sample Level: Low
Date Extracted: 11-15-85
Date Analyzed: 12-10-85
Spl->Extract: 1L->10ml; 5ml->0.5ml
For Dilution: —
pH: Not Analyzed
% Moisture: ↓
% Moisture (Decanted): ↓
Lab Std ID: 322-4.5

ALL RESULTS ARE REPORTED ON WET WEIGHT BASIS.

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

319-84-6	alpha-BHC	0.05U
319-85-7	beta-BHC	
319-86-8	delta-BHC	
58-89-9	gamma-BHC (Lindane)	
76-44-8	Heptachlor	
309-00-2	Aldrin	
1024-57-3	Heptachlor Epoxide	
959-98-8	Endosulfan I	↓
60-57-1	Dieldrin	0.1U
72-55-9	4,4'-DDE	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4,4'-DDD	
1031-07-8	Endosulfan Sulfate	
50-29-3	4,4'-DDT	↓
72-43-5	Methoxychlor	0.5U
53494-70-5	Endrin Ketone	0.1U
57-74-9	Chlordane	0.5U
8001-35-2	Toxaphene	1U
12674-11-2	Arochlor-1016	0.5U
11104-28-2	Arochlor-1221	
11141-16-5	Arochlor-1232	
53469-21-9	Arochlor-1242	
12672-29-6	Arochlor-1248	↓
11097-69-1	Arochlor-1254	1U
11096-82-5	Arochlor-1260	1U

U - Analyzed for but not detected (Reported Value is Detection Limit-DL)
J - Estimated Value (0 < Value < DL)
C - Confirmed by GC/MS-GC Quantitation
B - Compound found in Blank. Sample results are not Blank Corrected.
** - Detected below GC/MS DL-GC Quantitation
N - Not Confirmed by GC/MS-GC/MS DL
NA - Not Analyzed
NR - Not Reported

V_i = Volume of extract injected (ul)
V_s = Volume of water extracted (ml)
W_s = Weight of sample extracted (g)
V_t = Volume of total extract (ul)

V_s 1000 ml or
W_s — g
V_t 10,000 ul
V_i 5 ul

ORIGINAL (RED)

Surrogate Spike Recoveries — Circle Units: ug/Kg, (ug/L)

Lab ID	Fraction	Compound	Conc. Sample	Conc. Spiked	% Recovery
322-20	Pest.	Dibutyl Chlorendate	0.04	1.0	4 *

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

AR1002202

Rev 8/85

Sample Originally Extracted: 11-15-85
Re-Extracted Due To: Low Surrogate Recovery

Sample #: C7566RE

Laboratory: IT/Cerritos
Lab ID: 322-19
Lab ID for Dil: —
Sample Matrix: WATER
Data Release Authorized by: JMH / TAL

Case #/SAS #: 5215
QC Report #: 6962-245
Contract #: 68-01-6902
Date Rec'd: 11-14-85

Elizabeth Martinez

Organics Analysis Data Sheet
Pesticide/PCB's

Sample Level: Low
Date Extracted: 12-5-85
Date Analyzed: 12-9-85
Spl->Extract: 1L->1ml; 5ml->5ml
For Dilution: —
pH: Not Analyzed
% Moisture:
% Moisture (Decanted):
Lab Std ID: 322-4,5

ALL RESULTS ARE REPORTED ON WET WEIGHT BASIS.

Circle Units: ug/Kg, ug/L

319-84-6	alpha-BHC	0.05U
319-85-7	beta-BHC	
319-86-8	delta-BHC	
58-89-9	gamma-BHC (Lindane)	
76-44-8	Heptachlor	
309-00-2	Aldrin	
1024-57-3	Heptachlor Epoxide	
959-98-8	Endosulfan I	
60-57-1	Dieldrin	0.1U
72-55-9	4,4'-DDE	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4,4'-DDD	
1031-07-8	Endosulfan Sulfate	
50-29-3	4,4'-DDT	
72-43-5	Methoxychlor	0.5U
53494-70-5	Endrin Ketone	0.1U
57-74-9	Chlordane	0.5U
8001-35-2	Toxaphene	1U
12674-11-2	Arochlor-1016	0.5U
11104-28-2	Arochlor-1221	
11141-16-5	Arochlor-1232	
53469-21-9	Arochlor-1242	
12672-29-6	Arochlor-1248	
11097-69-1	Arochlor-1254	1U
11096-82-5	Arochlor-1260	1U

U - Analyzed for but not detected (Reported Value is Detection Limit-DL)
J - Estimated Value (0 < Value < DL)
C - Confirmed by GC/MS-GC Quantitation
B - Compound found in Blank. Sample results are not Blank Corrected.
** - Detected below GC/MS DL-GC Quantitation
N - Not Confirmed by GC/MS-GC/MS DL
NA - Not Analyzed
NR - Not Reported

V_i = Volume of extract injected (ul)
V_s = Volume of water extracted (ml)
W_s = Weight of sample extracted (g)
V_t = Volume of total extract (ul)

V_s 1000 ml or
W_s — g
V_t 10,000 ul
V_i 5 ul

Surrogate Spike Recoveries — Circle Units: ug/Kg, ug/L

Lab ID	Fraction	Compound	Conc. Sample	Conc. Spiked	% Recovery
322-19	Pest.	Dibutyl Chlorendate	0.55	1.0	55

* - Asterisked Values are outside QC Limits. NS - Not Spiked
# - _____ Recoveries due to Dilution.
s - _____ Recoveries due to Matrix Effects.

Rev 8/85

ORGANICS ANALYSIS DATA SHEET SAMPLE # C7867

LABORATORY IT/CERR
ABORATORY ID 35030N1
ATRIX WATER

CASE #/SAS # 5215
QC REPORT # 6962-245
CONTRACT # 68-01-6962
DATE RECEIVED 11/14/85

DATA RELEASE AUTHORIZED BY Elizabeth Martinez

VOLATILE COMPOUNDS

LEVEL	LOW
DATE EXT/PREP	11/20/85
DATE ANALYZED	11/20/85
SPL--EXTRACT	5ML
PH	Not Analyzed
% MOISTURE (NOT DEC)	
% MOISTURE (DEC)	
STANDARD ID.	V0A532
SENSITIVITY ID	BFD478
UNITS	UG/L

PP #	CAS #		CONC	
3V	74-87-3	CHLOROMETHANE	10	U
46V	74-83-9	BROMOMETHANE	10.	U
58V	75-01-4	VINYL CHLORIDE	10	U
5V	75-00-3	CHLOROETHANE	10.	U
1V	75-09-2	METHYLENE CHLORIDE	26.	B
12H	67-64-1	ACETONE	10	U
3H	75-15-0	CARBON DISULFIDE	5.	U
9V	75-35-4	1,1-DICHLOROETHENE	5.	U
13V	75-34-3	1,1-DICHLOROETHANE	5	U
20V	156-60-5	TRANS-1,2-DICHLOROETHENE	5.	U
3V	67-66-3	CHLOROFORM	5	U
10V	107-06-2	1,2-DICHLOROETHANE	5	U
14H	78-93-3	2-BUTANONE	10	U
1V	71-55-6	1,1,1-TRICHLOROETHANE	5	U
6V	56-23-5	CARBON TETRACHLORIDE	5	U
19H	108-05-4	VINYL ACETATE	10	U
12V	75-27-4	BROMODICHLOROMETHANE	5	U
2V	78-87-5	1,2-DICHLOROPROPANE	5	U
33VT	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
87V	79-01-6	TRICHLOROETHENE	5	U
1V	124-48-1	CHLORODIBROMOMETHANE	5	U
44V	79-00-5	1,1,2-TRICHLOROETHANE	5	U
4V	71-43-2	BENZENE	5	U
33VC	10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
9V	110-75-8	2-CHLOROETHYLVINYL ETHER	10	U
47V	75-25-2	BROMOFORM	5	U
16H	519-78-6	2-HEXANONE	10	U
17H	108-10-1	4-METHYL-2-PENTANONE	10	U
85V	127-18-4	TETRACHLOROETHENE	5	U
15V	79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
6V	108-88-3	TOLUENE	5	U
7V	108-90-7	CHLOROBENZENE	5	U
38V	100-41-4	ETHYLBENZENE	5	U
8H	100-42-5	STYRENE	5.	U
0H	95-47-6	TOTAL XYLENES	5	U

ORGANICS ANALYSIS DATA SHEET SAMPLE # C7867

[redacted]ORATORY	IT/CERR	CASE #/SAS #	5215
[redacted]ORATORY ID	35030F11	QC REPORT #	6962-245
MATRIX.	WATER	CONTRACT #	68-01-6962
		DATE RECEIVED	11/14/85

DATA RELEASE AUTHORIZED BY: Elizabeth Martinez

SEMIVOLATILE COMPOUNDS (PAGE 1)

LEVEL	LOW	GPC	Y_ N✓
DATE EXT/PREP	11/16/85	SEP FUNNEL	Y_ N✓
DATE ANALYZED	12/12/85	CONT EXT.	Y✓ N_
SPL-->EXTRACT	1L 2ML		
PH	Not Analyzed		
% MOISTURE (NOT DEC)	———		
% MOISTURE (DEC.)	✓		
STANDARD ID	BNAZ451		
SENSITIVITY ID	SENS854		
UNITS.	UG/L		

PP #	CAS #		CONC
65A	108-95-2	PHENOL	20 U
18B	111-44-4	BIS (2-CHLOROETHYL) ETHER	20 U
24A	95-57-8	2-CHLOROPHENOL	20. U
26B	541-73-1	1,3-DICHLOROBENZENE	20. U
[redacted]	106-46-7	1,4-DICHLOROBENZENE	20 U
[redacted]	100-51-6	BENZYL ALCOHOL	20. U
25B	95-50-1	1,2-DICHLOROBENZENE	20 U
2H	95-48-7	2-METHYLPHENOL	20. U
42B	39638-32-9	BIS (2-CHLOROISOPROPYL) ETHER	20 U
3H	106-44-5	4-METHYLPHENOL	20 U
63B	621-64-7	N-NITROSO-DI-N-PROPLYAMINE	20 U
12B	67-72-1	HEXACHLOROETHANE	20 U
56B	98-95-3	NITROBENZENE	20. U
54B	78-59-1	ISOPHORONE	20 U
57A	88-75-5	2-NITROPHENOL	20 U
34A	105-67-9	2,4-DIMETHYLPHENOL	20 U
1H	65-85-0	BENZOIC ACID	100 U
43B	111-91-1	BIS (2-CHLOROETHOXY) METHANE	20 U
31A	120-33-2	2,4-DICHLOROPHENOL	20 U
8B	120-82-1	1,2,4-TRICHLOROBENZENE	20 U
55B	91-20-3	NAPHTHALENE	20 U
7H	106-47-8	4-CHLOROANILINE	20 U
52B	87-68-3	HEXACHLOROBUTADIENE	20 U
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	20. U
9H	91-57-6	2-METHYLNAPHTHALENE	20 U
53B	77-47-4	HEXACHLOROCYCLOPENTADIENE	20 U
21A	88-06-2	2,4,6-TRICHLOROPHENOL	20 U
4H	95-95-4	2,4,5-TRICHLOROPHENOL	100 U
20B	91-58-7	2-CHLORONAPHTHALENE	20 U
[redacted]	88-74-4	2-NITROANILINE	100 U
[redacted]	131-11-3	DIMETHYLPHTHALATE	20 U
77B	208-96-8	ACENAPHTHALENE	20 U
11H	99-09-2	3-NITROANILINE	100 U
1B	83-32-9	ACENAPHTHENE	20 U
59A	51-28-5	2,4-DINITROPHENOL	100 U

ORIGINAL

ORGANICS ANALYSIS DATA SHEET SAMPLE #: C7867

LABORATORY	IT/CERR	CASE #/SAS #	5215
LABORATORY ID	35030F11	QC REPORT #	6962-245
MATRIX	WATER	CONTRACT #	68-01-6962
		DATE RECEIVED	11/14/85

DATA RELEASE AUTHORIZED BY Elizabeth Martinez

SEMIVOLATILE COMPOUNDS (PAGE 2)

LEVEL:	LOW	GPC	Y_ N✓
DATE EXT/PREP	11/16/85	SEP FUNNEL	Y_ N✓
DATE ANALYZED:	12/12/85	CONT EXT	Y✓ N_
SPL-->EXTRACT.	1L 2ML		
PH	Not Analyzed		
% MOISTURE (NOT DEC.).			
% MOISTURE (DEC)			
STANDARD ID:	BNAZ451		
SENSITIVITY ID	SENS854		
UNITS	UG/L		

PP #	CAS #		CONC
58A	100-02-7	4-NITROPHENOL	100. U
8H	132-64-9	DIBENZOFURAN	20 U
35B	121-14-2	2,4-DINITROTOLUENE	20. U
36B	606-20-2	2,6-DINITROTOLUENE	20 U
70B	84-66-2	DIETHYLPHTHALATE	20. U
40B	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	20. U
80B	86-73-7	FLUORENE	20. U
12H	100-01-6	4-NITROANILINE	100 U
60A	534-52-1	4,6-DINITRO-O-CRESOL	100 U
62B	86-30-6	N-NITROSODIPHENYLAMINE	20 U
41B	101-55-3	4-BROMOPHENOXYBENZENE	20. U
9B	118-74-1	HEXACHLOROBENZENE	20. U
64A	87-86-5	PENTACHLOROPHENOL	100 U
81B	85-01-8	PHENANTHRENE	20 U
78B	120-12-7	ANTHRACENE	20 U
68B	84-74-2	DI-N-BUTYLPHTHALATE	20 U
39B	206-44-0	FLUORANTHENE	20 U
34B	129-00-0	PYRENE	20. U
67B	85-68-7	BUTYLBENZYLPHTHALATE	20 U
28B	91-94-1	3,3'-DICHLOROBENZIDINE	40 U
72B	56-55-3	BENZO (A) ANTHRACENE	20 U
66B	117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	8 J
76B	218-01-9	CHRYSENE	20 U
69B	117-84-0	DI-N-OCTYLPHTHALATE	20 U
74B	205-99-2	BENZO (B & K) FLUORANTHENE	20 U
73B	50-32-8	BENZO (A) PYRENE	20 U
83B	193-39-5	INDENO-1,2,3 (C,D) PYRENE	20 U
32B	53-70-3	DIBENZO (A,H) ANTHRACENE	20 U
79B	191-24-2	BENZO (G,H,I) PERYLENE	20 U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS

Sample #: C7867

Laboratory: IT/Cerritos
Lab ID: 322-13
Lab ID for Dil: —
Sample Matrix: Water
Data Release Authorized by: JMH/IAH Elizabeth Martinez

Case #/SAS #: 5215
QC Report #: 6962-245
Contract #: 68-01-6962
Date Rec'd: 11-14-85

Organics Analysis Data Sheet
Pesticide/PCB's

Sample Level: Low
Date Extracted: 11-15-85
Date Analyzed: 12-9-85
Spl->Extract: 1000ml; 5ml→5ml
For Dilution: —
pH: Not Analyzed
% Moisture: ↓
% Moisture (Decanted): ↓
Lab Std ID: 322-4.5

ALL RESULTS ARE REPORTED ON WET WEIGHT BASIS.

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

319-84-6	alpha-BHC	0.05U
319-85-7	beta-BHC	
319-86-8	delta-BHC	
58-89-9	gamma-BHC (Lindane)	
76-44-8	Heptachlor	
309-00-2	Aldrin	
1024-57-3	Heptachlor Epoxide	
959-98-8	Endosulfan I	V
60-57-1	Dieldrin	0.1U
72-55-9	4,4'-DDE	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4,4'-DDD	
1031-07-8	Endosulfan Sulfate	
50-29-3	4,4'-DDT	V
72-43-5	Methoxychlor	0.5U
53494-70-5	Endrin Ketone	0.1U
57-74-9	Chlordane	0.5U
8001-35-2	Toxaphene	1U
12674-11-2	Arochlor-1016	0.5U
11104-28-2	Arochlor-1221	
11141-16-5	Arochlor-1232	
53469-21-9	Arochlor-1242	
12672-29-6	Arochlor-1248	V
11097-69-1	Arochlor-1254	1U
11096-82-5	Arochlor-1260	1U

U - Analyzed for but not detected (Reported Value is Detection Limit-DL)
J - Estimated Value (0 < Value < DL)
C - Confirmed by GC/MS-GC Quantitation
B - Compound found in Blank. Sample results are not Blank Corrected.
** - Detected below GC/MS DL-GC Quantitation
N - Not Confirmed by GC/MS-GC/MS DL
NA - Not Analyzed
NR - Not Reported

V_i = Volume of extract injected (ul)
V_s = Volume of water extracted (ml)
W_s = Weight of sample extracted (g)
V_t = Volume of total extract (ul)

V_s 1000 ml or
W_s — g
V_t 10,000 ul
V_i 5 ul

Surrogate Spike Recoveries — Circle Units: ug/Kg, (ug/L)

Lab ID	Fraction	Compound	Conc. Sample	Conc. Spiked	% Recovery
322-13	Pest.	Dibutyl Chlorendate	0.47	1.0	47

* - Asterisked Values are outside QC Limits. NS - Not Spiked
\# - _____ Recoveries due to Dilution.
s - _____ Recoveries due to Matrix Effects.

ORGANICS ANALYSIS DATA SHEET SAMPLE # C7867RE

LABORATORY	[illegible]	CASE #/SAS #	5215
LABORATORY ID	85C8C402	QC REPORT #	6962-245
MATRIX	WATER	CONTRACT #	68-01-6962
		DATE RECEIVED	11/14/85

DATA RELEASE AUTHORIZED BY Cheryl Sabel

SEMIVOLATILE COMPOUNDS (PAGE 1)

LEVEL	LOW	GPC	Y_ N✓
DATE EXT/PREP	12/19/85	SEP FUNNEL	Y_ N✓
DATE ANALYZED	01/09/86	CONT EXT	Y✓ N_
SPL--EXTRACT	1L 2ML		
PH	NA		
% MOISTURE (NOT DEC.)			
% MOISTURE (DEC.)			
STANDARD ID	BNA863		
SENSITIVITY ID	FSS57a		
UNITS	UG/L		

Sample Originally Extracted: 11/16/85

Re-extracted Due To: Low Base/Neutral Surrogates

P #	CAS #		CONC
45A	108-95-2	PHENOL	20 U
8B	111-44-4	BIS (2-CHLOROETHYL) ETHER	20 U
44A	95-57-8	2-CHLOROPHENOL	20 U
26B	541-73-1	1,3-DICHLOROBENZENE	20 U
7B	106-46-7	1,4-DICHLOROBENZENE	20 U
6H	100-51-6	BENZYL ALCOHOL	20 U
25B	95-50-1	1,2-DICHLOROBENZENE	20 U
2H	95-48-7	2-METHYLPHENOL	20 U
2B	39638-32-9	BIS (2-CHLOROISOPROPYL) ETHER	20 U
3H	106-44-5	4-METHYLPHENOL	20 U
A3B	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	20 U
2B	67-72-1	HEXACHLOROETHANE	20 U
36B	98-95-3	NITROBENZENE	20 U
54B	78-59-1	ISOPHORONE	20 U
7A	88-75-5	2-NITROPHENOL	20 U
4A	105-67-9	2,4-DIMETHYLPHENOL	20 U
1H	65-85-0	BENZOIC ACID	100 U
43B	111-91-1	BIS (2-CHLOROETHOXY) METHANE	20 U
1A	120-83-2	2,4-DICHLOROPHENOL	20 U
8B	120-82-1	1,2,4-TRICHLOROBENZENE	20 U
55B	91-20-3	NAPHTHALENE	20 U
7H	106-47-8	4-CHLOROANILINE	20 U
32B	87-68-3	HEXACHLOROBUTADIENE	20 U
32A	59-50-7	4-CHLORO-3-METHYLPHENOL	20 U
2H	91-57-6	2-METHYLNAPHTHALENE	20 U
3B	77-47-4	HEXACHLOROCYCLOPENTADIENE	20 U
21A	88-06-2	2,4,6-TRICHLOROPHENOL	20 U
4H	95-95-4	2,4,5-TRICHLOROPHENOL	100 U
3B	91-58-7	2-CHLORONAPHTHALENE	20 U
10H	88-74-4	2-NITROANILINE	100 U
713	131-11-3	DIMETHYLPHTHALATE	20 U
7B	208-96-8	ACENAPHTHALENE	20 U
1H	99-09-2	3-NITROANILINE	100 U
1B	83-32-9	ACENAPHTHENE	20 U
79A	51-28-5	2,4-DINITROPHENOL	100 U

ORIGINAL (Red)

ORGANICS ANALYSIS DATA SHEET SAMPLE # C7867RE

[redacted] RATORY IT CORP. CASE #/SAS # 3215
LABORATORY ID 3600[illegible] SDG REPORT # 6962-245
MATRIX WATER CONTRACT # 68-01-6962
DATE RECEIVED 11/14/85

DATA RELEASE AUTHORIZED BY Cheryl Austin

SEMIVOLATILE COMPOUNDS (PAGE 2)

LEVEL	LOW	GPC	Y_ N✓
DATE EXT/PREP	12/19/85	SEP FUNNEL	Y_ N✓
DATE ANALYZED	01/09/86	CONT EXT	Y✓ N_
SPL--EXTRACT	1L 2ML		
PH	NA		
% MOISTURE (NOT DEC)			
% MOISTURE DEC			
STANDARD ID	BNA863		
SENSITIVITY ID	FSS57B		
UNITS	UG/L		

Sample Originally Extracted: 11/16/85
Re-Extracted Due To: low Base/Neutral Surrogates

PP #	CAS #		CONC
68A	100-02-7	4-NITROPHENOL	100 U
8H	132-64-9	DIBENZOFURAN	20 U
35B	121-14-2	2,4-DINITROTOLUENE	20 U
[redacted]	606-20-2	2,6-DINITROTOLUENE	20 U
[redacted]	84-66-2	DIETHYLPHTHALATE	20 U
40B	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	20 U
03B	86-73-7	FLUORENE	20 U
2H	100-01-6	4-NITROANILINE	100 U
60A	534-52-1	4,6-DINITRO-O-CRESOL	100 U
62B	86-30-6	N-NITROSODIPHENYLAMINE	20 U
41B	101-55-3	4-BROMOPHENOXYBENZENE	20 U
9B	118-74-1	HEXACHLOROBENZENE	20 U
64A	87-86-5	PENTACHLOROPHENOL	100 U
31B	85-01-8	PHENANTHRENE	20 U
28B	120-12-7	ANTHRACENE	20 U
68B	84-74-2	DI-N-BUTYLPHTHALATE	20 U
39B	206-44-0	FLUORANTHENE	20 U
34B	129-00-0	PYRENE	20 U
67B	85-68-7	BUTYLBENZYLPHTHALATE	20 U
28B	91-94-1	3,3'-DICHLOROBENZIDINE	40 U
72B	56-55-3	BENZO (A) ANTHRACENE	20 U
63	117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	20 U
76B	218-01-9	CHRYSENE	20 U
93	117-84-0	DI-N-OCTYLPHTHALATE	20 U
48	205-99-2	BENZO (B) FLUORANTHENE	20 U
03	50-32-8	BENZO (A) PYRENE	20 U
38	193-39-5	INDENO (1,2,3 (C,D) PYRENE	20 U
23	53-70-3	DIBENZO (A,H) ANTHRACENE	20 U
[redacted]	191-24-2	BENZO (G,H,I) PERYLENE	20 U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS

AR100299

ORGANICS ANALYSIS DATA SHEET SAMPLE # CB463

LABORATORY IT/CERR
LABORATORY ID 35029N3
MATRIX WATER

CASE #/SAS # 5215
QC REPORT # 6962-245
CONTRACT # 68-01-6962
DATE RECEIVED 11/14/85

DATA RELEASE AUTHORIZED BY

VOLATILE COMPOUNDS

LEVEL	LOW
DATE EXT/PREP	11/20/85
DATE ANALYZED	11/20/85
SPL-->EXTRACT	2 5ML 5ML
PH	Not Analyzed
% MOISTURE (NOT DEC.)	
% MOISTURE (DEC.)	
STANDARD ID	VOA532
SENSITIVITY ID	BFD478
UNITS	UG/L

P.. #	CAS #		CONC.
4 V	74-87-3	CHLOROMETHANE	20 U
4 V	74-83-9	BROMOMETHANE	20 U
88V	75-01-4	VINYL CHLORIDE	20 U
1 V	75-00-3	CHLOROETHANE	20 U
4 V	75-09-2	METHYLENE CHLORIDE	100 B
3H	67-64-1	ACETONE	5 JB
5H	75-15-0	CARBON DISULFIDE	10 U
V	75-35-4	1,1-DICHLOROETHENE	10 U
V	75-34-3	1,1-DICHLOROETHANE	10 U
0V	156-60-5	TRANS-1,2-DICHLOROETHENE	6 J
V	67-66-3	CHLOROFORM	10 U
V	107-06-2	1,2-DICHLOROETHANE	10 U
4H	78-93-3	2-BUTANONE	20 U
V	71-55-6	1,1,1-TRICHLOROETHANE	250
V	56-23-5	CARBON TETRACHLORIDE	10 U
9H	108-05-4	VINYL ACETATE	20 U
8V	75-27-4	BROMODICHLOROMETHANE	10 U
V	78-87-5	1,2-DICHLOROPROPANE	10 U
T	10061-02-6	TRANS-1,3-DICHLOROPROPENE	10 U
7V	79-01-6	TRICHLOROETHENE	75
1	124-48-1	CHLORODIBROMOMETHANE	10 U
V	79-00-5	1,1,2-TRICHLOROETHANE	10 U
4V	71-43-2	BENZENE	10 U
3VC	10061-01-5	CIS-1,3-DICHLOROPROPENE	10 U
5	110-75-8	2-CHLOROETHYLVINYL ETHER	20 U
V	75-25-2	BROMOFORM	10 U
6H	519-78-6	2-HEXANONE	20 U
7	108-10-1	4-METHYL-2-PENTANONE	20 U
5	127-18-4	TETRACHLOROETHENE	12
5V	79-34-5	1,1,2,2-TETRACHLOROETHANE	10 U
6	108-88-3	TOLUENE	10 U
7	108-90-7	CHLOROBENZENE	10 U
8V	100-41-4	ETHYLBENZENE	10 U
8H	100-42-5	STYRENE	10 U
0	95-47-6	TOTAL XYLENES	10 U

AR100300.

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS

ORGANICS ANALYSIS DATA SHEET SAMPLE #. CB463

[redacted]RATORY: IT/CERR
[redacted]RATORY ID: 3502984
MATRIX WATER

CASE #/SAS # 5215
QC REPORT # 6962-249
CONTRACT # 68-01-6962
DATE RECEIVED 11/14/85

ATA RELEASE AUTHORIZED BY:

SEMIVOLATILE COMPOUNDS (PAGE 1)

LEVEL.	LOW	GPC	Y_ N X
DATE EXT/PREP	11/16/85	SEP FUNNEL	Y_ N X
DATE ANALYZED	12/11/85	CONT. EXT.	Y X N_
SPL-->EXTRACT:	1L. 2ML		
PH:	Not Analyzed		
% MOISTURE (NOT DEC.):			
% MOISTURE (DEC)			
STANDARD ID.	BNA814		
SENSITIVITY ID	FSS542		
UNITS	UG/L		

PP #	CAS #		CONC
5A	108-95-2	PHENOL	20. U
8B	111-44-4	BIS (2-CHLOROETHYL) ETHER	20. U
24A	95-57-8	2-CHLOROPHENOL	20. U
[redacted]	541-73-1	1,3-DICHLOROBENZENE	20. U
[redacted]	106-46-7	1,4-DICHLOROBENZENE	20 U
6H	100-51-6	BENZYL ALCOHOL	20. U
5B	95-50-1	1,2-DICHLOROBENZENE	20 U
2H	95-48-7	2-METHYLPHENOL	20. U
42B	39638-32-9	BIS (2-CHLOROISOPROPYL) ETHER	20. U
3H	106-44-5	4-METHYLPHENOL	20 U
3B	621-64-7	N-NITROSO-DI-N-PROPLYAMINE	20 U
2B	67-72-1	HEXACHLOROETHANE	20. U
56B	98-95-3	NITROBENZENE	20. U
4B	78-59-1	ISOPHORONE	20 U
7A	88-75-5	2-NITROPHENOL	20 U
34A	105-67-9	2,4-DIMETHYLPHENOL	20 U
1H	65-85-0	BENZOIC ACID	100 U
3B	111-91-1	BIS (2-CHLOROETHOXY) METHANE	20. U
1A	120-33-2	2,4-DICHLOROPHENOL	20. U
8B	120-82-1	1,2,4-TRICHLOROBENZENE	20. U
5B	91-20-3	NAPHTHALENE	20. U
7H	106-47-8	4-CHLOROANILINE	20. U
52B	87-68-3	HEXACHLOROBUTADIENE	20. U
2A	59-50-7	4-CHLORO-3-METHYLPHENOL	20. U
9H	91-57-6	2-METHYLNAPHTHALENE	20. U
53B	77-47-4	HEXACHLOROCYCLOPENTADIENE	20 U
1A	88-06-2	2,4,6-TRICHLOROPHENOL	20. U
4H	95-95-4	2,4,5-TRICHLOROPHENOL	100. U
[redacted]	91-58-7	2-CHLORONAPHTHALENE	20. U
[redacted]	88-74-4	2-NITROANILINE	100. U
[redacted]	131-11-3	DIMETHYLPHTHALATE	20 U
7B	208-96-8	ACENAPHTHALENE	20. U
11H	99-09-2	3-NITROANILINE	100 U
1B	83-32-9	ACENAPHTHENE	20. U
9A	51-28-5	2,4-DINITROPHENOL	100 U

AR100301

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB463

LABORATORY IT/CERR
LABORATORY ID: 35029B4
MATRIX WATER

CASE #/SAS # 5215
QC REPORT # c962-265
CONTRACT # 68-01-6962
DATE RECEIVED 11/14/85

DATA RELEASE AUTHORIZED BY:

SEMIVOLATILE COMPOUNDS (PAGE 2)

LEVEL.	LOW	GPC	Y_ N X
DATE EXT/PREP	11/16/85	SEP FUNNEL	Y_ N X
DATE ANALYZED	12/11/85	CONT EXT.	Y X N_
SPL--EXTRACT:	1L:2ML		
PH	Not Analyzed		
% MOISTURE (NOT DEC.).			
% MOISTURE (DEC.).			
STANDARD ID	BNA814		
SENSITIVITY ID:	FSS542		
UNITS:	UG/L		

PP #	CAS #		CONC
58A	100-02-7	4-NITROPHENOL	100. U
8H	132-64-9	DIBENZOFURAN	20. U
35B	121-14-2	2,4-DINITROTOLUENE	20 U
36B	606-20-2	2,6-DINITROTOLUENE	20. U
70B	84-66-2	DIETHYLPHTHALATE	20. U
40B	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	20. U
80B	86-73-7	FLUORENE	20. U
12H	100-01-6	4-NITROANILINE	100. U
60A	534-52-1	4,6-DINITRO-O-CRESOL	100 U
62B	86-30-6	N-NITROSODIPHENYLAMINE	20. U
41B	101-55-3	4-BROMOPHENOXYBENZENE	20 U
9B	118-74-1	HEXACHLOROBENZENE	20 U
64A	87-86-5	PENTACHLOROPHENOL	100 U
81B	85-01-8	PHENANTHRENE	20 U
78B	120-12-7	ANTHRACENE	20 U
68B	84-74-2	DI-N-BUTYLPHTHALATE	20. U
39B	206-44-0	FLUORANTHENE	20 U
84B	129-00-0	PYRENE	20 U
67B	85-68-7	BUTYLBENZYLPHTHALATE	20 U
28B	91-94-1	3,3'-DICHLOROBENZIDINE	40 U
72B	56-55-3	BENZO (A) ANTHRACENE	20. U
66B	117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	20 U
76B	218-01-9	CHRYSENE	20. U
69B	117-84-0	DI-N-OCTYLPHTHALATE	20 U
74B	205-99-2	BENZO (B & K) FLUORANTHENE	20 U
73B	50-32-8	BENZO (A) PYRENE	20 U
83B	193-39-5	INDENO-1,2,3 (C,D) PYRENE	20 U
82B	53-70-3	DIBENZO (A,H) ANTHRACENE	20 U
79B	191-24-2	BENZO (G,H,I) PERYLENE	20 U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS

SOIL SURROGATE PERCENT RECOVERY SUMMARY

Case No. 5215 Contract Laboratory Radian Contract No. 68-01-6853

Low X Medium

		VOLATILE			SEMI-VOLATILE (see (3) below)								PESTICIDE
	SMO TRAFFIC NO	TOLUENE-D8 (81-117)	BFB (74-121)	1,2 DICHLOROETHANE-D4 (70-121)	NITROBENZENE-D5 (23-120)	2-FLUOROBIPHENYL (30-115)	TERPHENYL-D14 (18-137)			PHENOL-D5 (24-113)	2-FLUOROPHENOL (25-121)	2,4,6 TRIBROMOPHENOL (19-122)	DIBUTYLCHLORENDATE (20-150)
	C7857	114	92	112	49	25*	39			50	55	25	43
	C7858	105	89	93	77	28*	42			67	61	29	57
	CB867	110	87	113	76	80	46			75	87	97	67
	CB870	109	89	107	69	18*	35			72	75	56	69
	CB871	105	98	101	95	44	48			74	89	60	64
	CB872	108	97	111	69	55	87			73	55	90	62
	CB878	110	89	99	91	35	41			78	86	56	60
	CB889	98	101	108									
	CB890	111	87	98	69	35	53			88	105	82	45
	CB891	110	93	114	84	70	42			77	97	92	61
	CB893	102	107	108	49	40	57			61	73	66	74
	CC643	108	92	111	33	30	27			36	42	48	66
	CC694	100	108	103	69	16*	30			67	62	39	68
	CC695	103	96	100	74	70	52			93	98	84	49
	CC696	103	101	119	71	60	47			76	74	29	70
	CC697	112	86	111	82	46	58			80	122*	113	71
(1)	CC698	148	70*	107	36	65	31			38	42	62	61
(1)	CC698	153	68*	99				ORIGINAL (Reg)					
	CC699	112	91	104	22*	See (2) below	27			40	35	9*	*(4) See below (comments)
	CC700	107	93	108	100	90	56			98	99	92	46
	CB893MS	102	103	101									
	CB893MSD	104	97	114									
	BLANK(11-19)	100	98	104									
	BLANK(11-20)	98	94	99									
	BLANK(11-21)	98	96	99									

* VALUES ARE OUTSIDE OF CONTRACT REQUIRED QC LIMITS

** ADVISORY LIMITS ONLY

Volatiles: 2 out of 75 ; outside of QC limits

Semi-Volatiles: 7 out of 105 ; outside of QC limits

Pesticides: 0 out of 17 ; outside of QC limits

7/85

Comments: (1) See Narrative regarding Sample CC698 - VOA analysis #2

(2) CC699 (Semivolatile Analysis) - See Narrative # 3

(3) See narrative regarding surrogate 2 Fluorophenyl #4

*(4) Sample CC699 (Pest analysis) - showed interference with DBC on both quantitation & confirmation columns; thus, unable to obtain a recovery for it.

FORM II

SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Case No. 5215 Contractor Radian Corp Contract No. 68-01-6853

Low Level ✓ Medium Level _____

FRACTION	COMPOUND	CONC. SPIKE ADDED (ug/Kg)	SAMPLE RESULT	CONC. MS	% REC	CONC MSD	% REC	RPD	QC LIMITS RPD	QC LIMITS RECOVERY
VOA SMO SAMPLE NO CB893	1,1 Dicholorethene	25	0	22	88	24	96	9	22	59-172
	Trichloroethene	25	0	26	104	26	104	0	24	62 137
	Chlorobenzene	25	0	25	100	25	100	0	21	60 133
	Toluene	25	0	27	108	27	108	0	21	59 139
	Benzene	25	0	27	108	29	116	7	21	66 142
B/N SMO SAMPLE NO CB878	1,2,4 Trichlorobenzene	100	—	68	68	70	70	3	23	38 107
	Acenaphthene	100	—	79	79	85	85	7	19	31 137
	2,4 Dinitrotoluene	100	—	52	52	73	73	34	47	28 89
	Pyrene	100	9	94	94	108	108	14	36	35 142
	N Nitrosodi-n-Propylamine	100	—	69	69	73	73	6	38	41-126
	1,4 Dichlorobenzene	100	—	65	65	66	66	2	27	28 104
ACID SMO SAMPLE NO CB876	Pentachlorophenol	200	—	94	47	91	45	4	47	17 109 ✓
	Phenol	200	—	100	50	94	47	6	35	26 90
	2 Chlorophenol	200	—	140	70	140	70	0	50	25 102
	4 Chloro-3 Methylphenol	200	1	140	70	160	80	7	33	26 103
	4 Nitrophenol	800	2	74	37	140	70	62*	50	11-114
PEST SMO SAMPLE NO. CB918	Lindane	0.80		0.50	63	0.36	45*	33	50	46 127
	Heptachlor	0.80		0.73	91	0.58	73	22	31	35 130
	Aldrin	0.80		0.66	83	0.52	65	24	43	34-132
	Dieldrin	2.00		2.09	105	1.55	78	30	38	31 134
	Endrin	2.00		1.74	87	1.34	67	26	45	42 139
	4,4' DDT	2.00		1.91	96	1.37	69	33	50	23 134

*ASTERISKED VALUES ARE OUTSIDE QC LIMITS.

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

RECOVERY VOAs 0 out of 10 ; outside QC limits
B/N 0 out of 12 ; outside QC limits
ACID 0 out of 10 ; outside QC limits
PEST 1 out of 12 ; outside QC limits

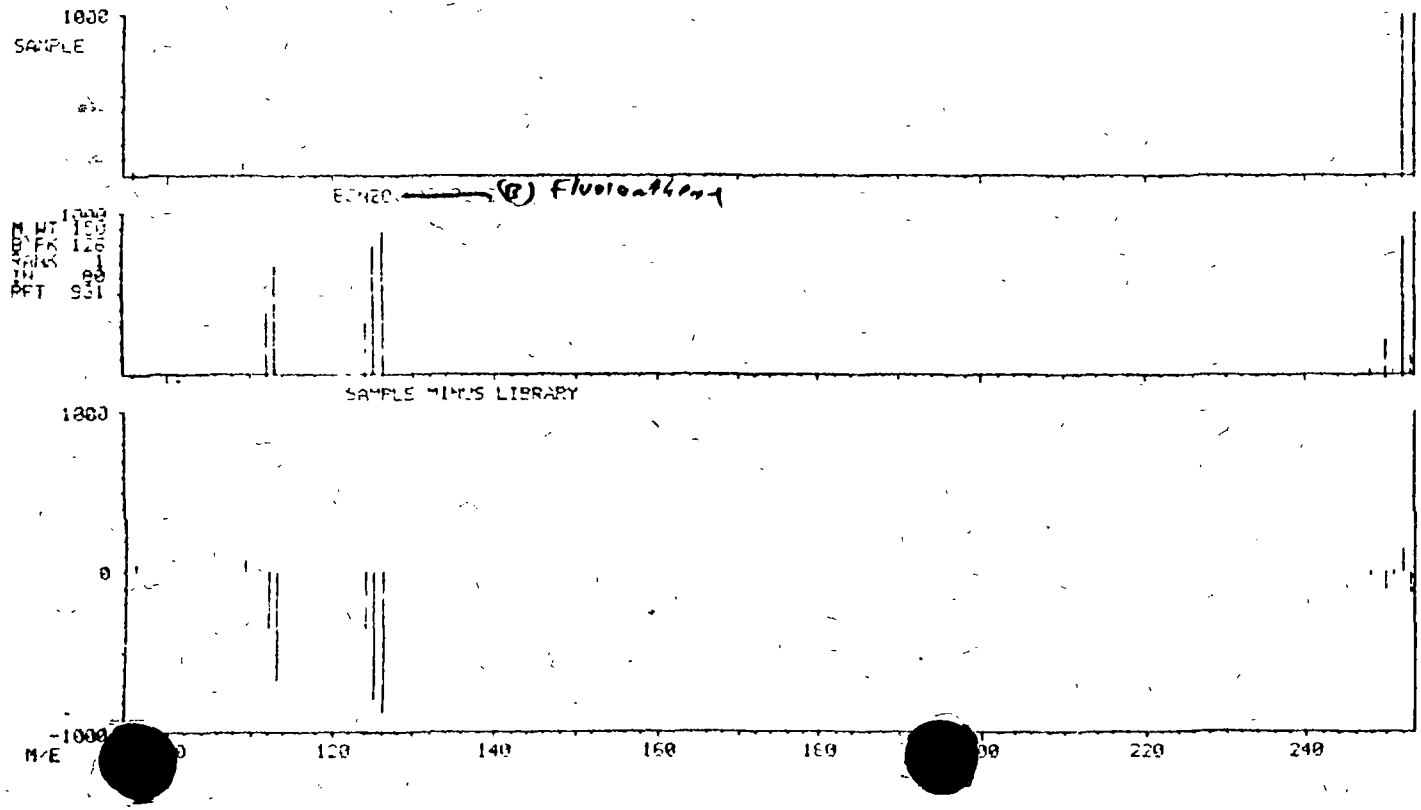
Comments: Lindane and aldrin recovery calculations were performed on confirmation (Red) column data.

AR100304

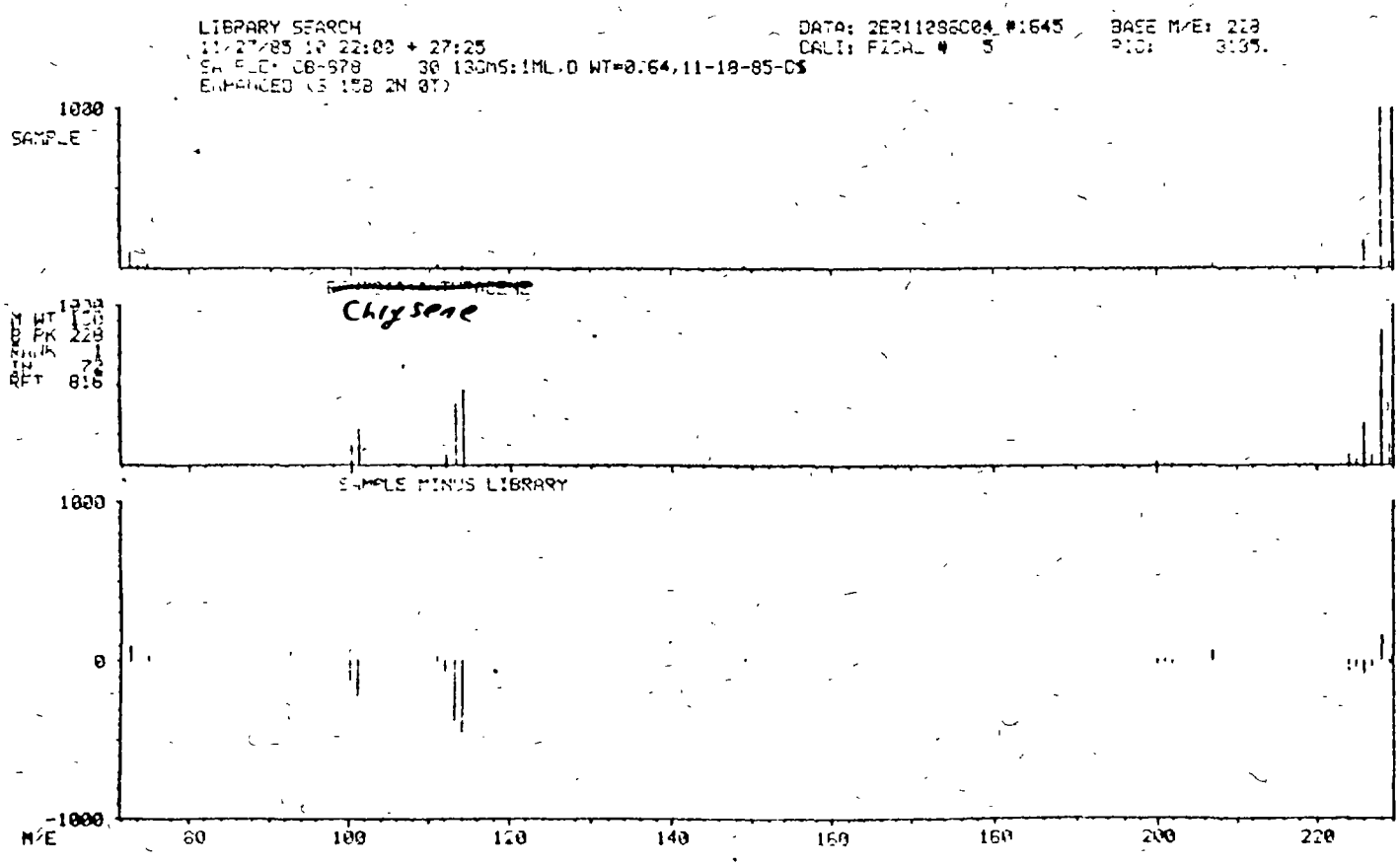
PRESUMPTIVE

LIBRARY SEARCH
11/27/85-12:22:03 + 31:85
SAMPLE: 03-373 30.1SCMS:1ML/D WT=0.64/11-18-85-01
ENHANCED (5 156 2N 0T)

DATA: 2ER11286034 #.865 BASE M/E: 252
CALI: FICAL # 5 PIC. 246.



PRESUMPTIVE

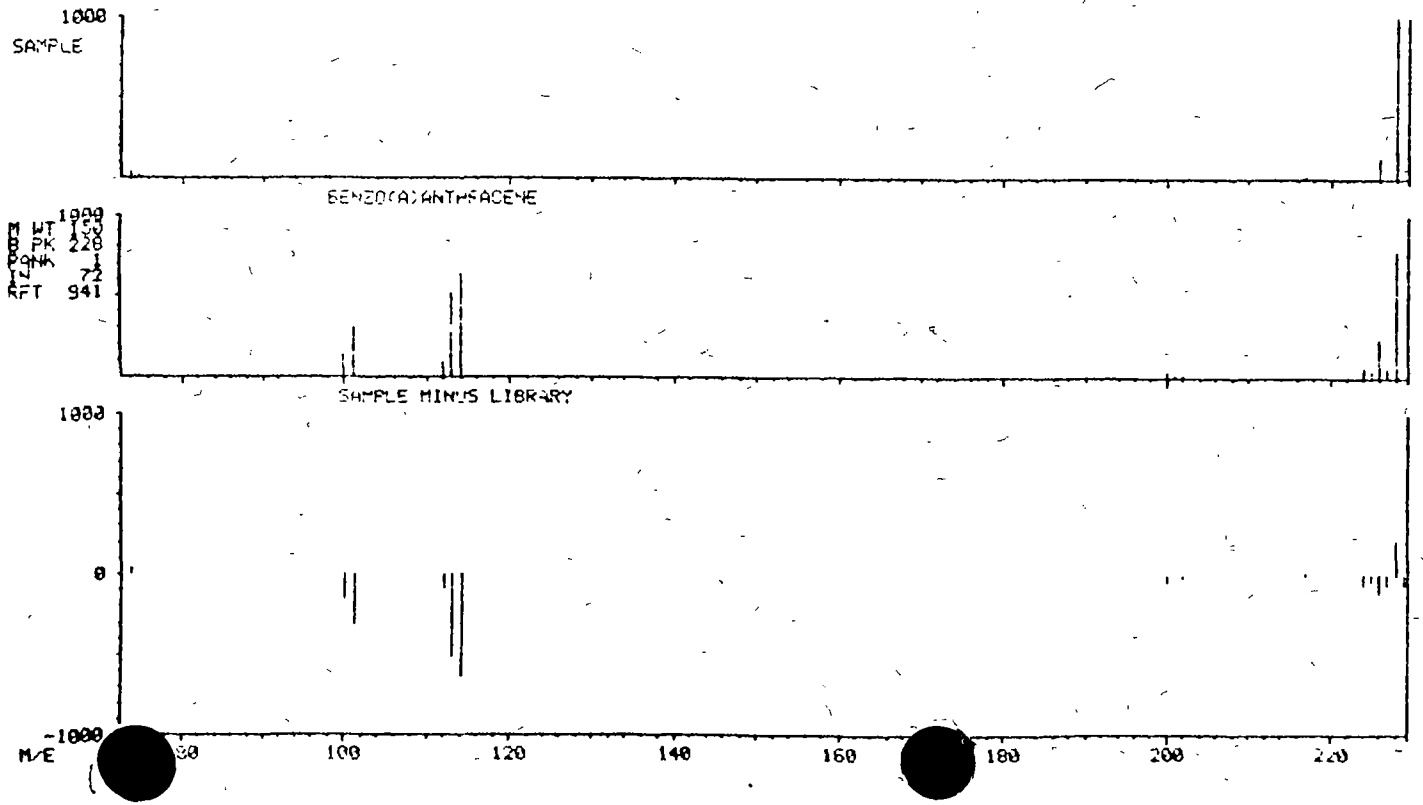


(Red)

PRESUMPTIVE

LIBRARY SEARCH
11/27/85 13:22:22 + 27:18
SA[illegible] 33.13GM3:1ML,D WT=0.64,11-18-85-D5
EN[illegible]ED (S 158 2N 87)

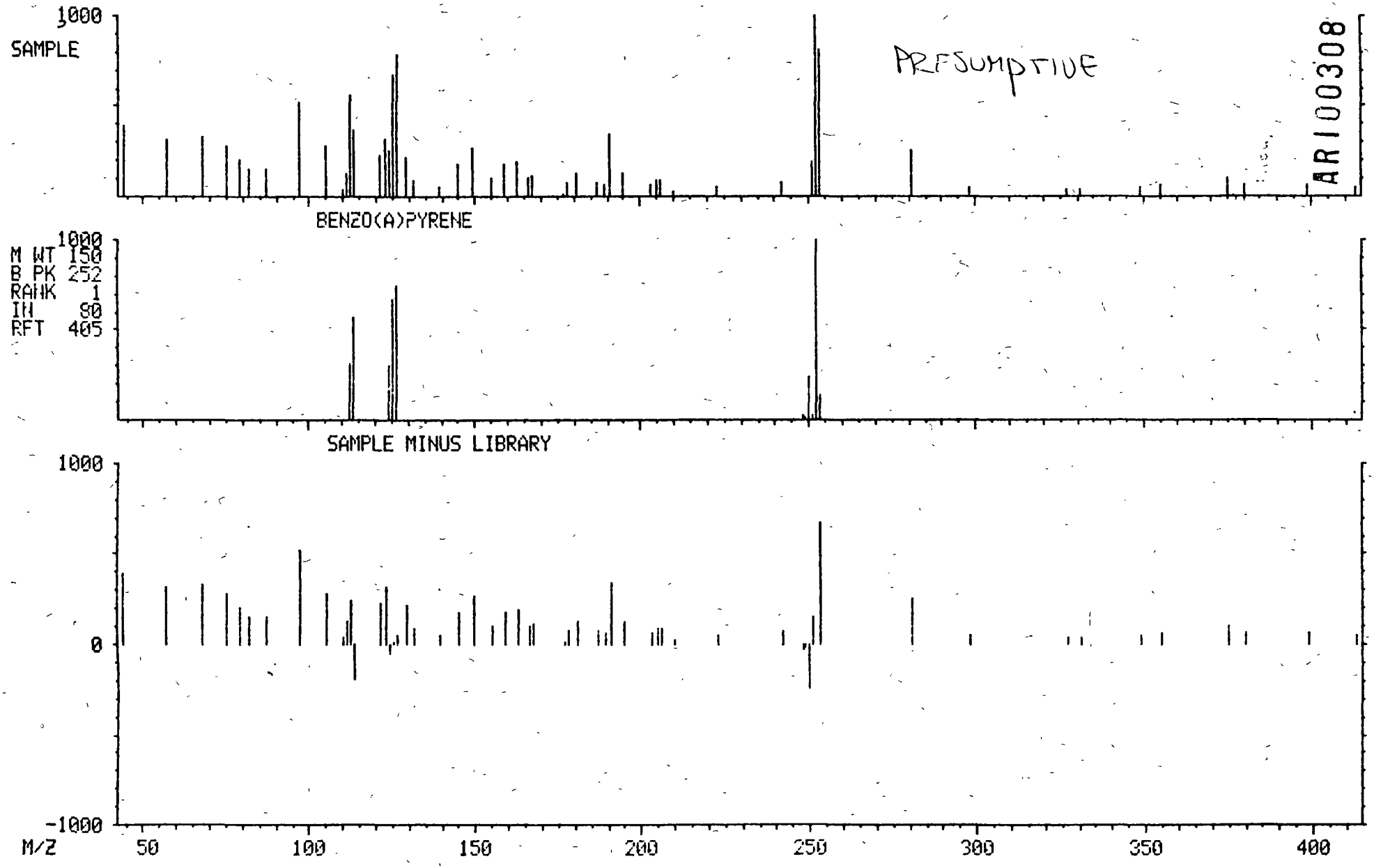
DATA: 2ER1105C04 #1638 BASE M/E: 228
CAL: [illegible] RIC: 1551.



523

LIBRARY SEARCH
11/25/85 13:11:00 + 29:19
SAMPLE: CB-891 30.72GMS:1ML;D WT=0.70GMS,11-18-85-D$
CONDS.: 625C,30M,0.25,1@100,280@35,280@2
ENHANCED (S 15B 2N 0T)

DATA: 5EU11085S13 #1759 BASE M/Z: 252
CALI: CALTAB # 2 RIC: 5215.



CALIBRATION CHECK - VOLATILE HSL COMPOUNDS

CASE NO. - 5215 CONTRACT LAB: RADIAN

CONTRACT NO. 68-01-6853 INSTRUMENT IDENTIFIER: F4

CALIBRATION DATE: 11/12/85

STANDARD FILE: 4ES1121V050

DATE: 11/21/85 TIME: 841

MAXIMUM % D FOR CCC IS 20

1018

COMPOUND	MEAN RF(I)	RF(O)	% D	SPCC ** CCC *
CHLOROMETHANE	0.906	0.734	-18.992	**
BROMOMETHANE	0.708	0.684	-3.455	
VINYL CHLORIDE	1.094	1.035	-5.348	*
CHLOROETHANE	0.977	0.843	-13.653	
METHYLENE CHLORIDE	1.585	1.601	0.959	
ACETONE	0.607	0.338	-44.248	
CARBON DISULFIDE	4.247	4.269	0.515	
TRICHLOROTRIFLUOROMETHANE	1.829	1.783	-2.524	
1,1-DICHLOROETHENE	1.164	1.221	4.850	*
1,1-DICHLOROETHANE	1.164	3.049	161.801	**
TRANS-1,2-DICHLOROETHENE	1.611	1.673	3.851	
CHLOROFORM	2.993	2.976	-0.562	*
1,2-DICHLOROETHANE	1.714	1.628	-5.024	
2-BUTANONE	0.054	0.041	-24.520	
1,1,1-TRICHLOROETHANE	0.403	0.412	2.317	
CARBON TETRACHLORIDE	0.410	0.408	-0.514	
VINYL ACETATE	0.635	0.360	-43.277	
BROMODICHLOROMETHANE	0.579	0.567	-1.968	
1,2-DICHLOROPROPANE	0.464	0.472	1.776	*
CIS-1,3-DICHLOROPROPENE	0.399	0.401	0.357	
TRICHLOROETHENE	0.344	0.371	7.901	
DIBROMOCHLOROMETHANE	0.386	0.384	-0.452	
1,1,2,-TRICHLOROETHANE	0.397	0.391	-1.730	
BENZENE	0.986	1.049	6.372	
TRANS-1,3-DICHLOROPROPENE	0.338	0.330	-2.413	
2-CHLOROETHYLVINYL ETHER	0.536	0.450	-16.059	
BROMOFORM	0.371	0.354	-4.668	**
2-HEXANONE	0.249	0.209	-15.913	
4-METHYL-2-PENTANONE	0.252	0.210	-16.576	
TETRACHLOROETHENE	0.366	0.422	15.295	
1,1,2,2-TETRACHLOROETHANE	1.091	1.024	-6.087	**
TOLUENE	0.902	0.960	6.375	*
CHLOROBENZENE	1.152	1.215	5.423	**
ETHYLBENZENE	0.373	0.601	4.866	*
STYRENE	1.197	1.192	-0.390	
TOTAL XYLENES	0.782	0.750	-4.088	

CALIBRATION CHECK - VOLATILE HSL COMPOUNDS

CASE NO. - 5215 CONTRACT LAB: RADIAN

CONTRACT NO. 68-01-6853 INSTRUMENT IDENTIFIER: F4

CALIBRATION DATE: 11/12/85

STANDARD FILE: 4ES1120V050

DATE: 11/20/85 TIME: 835

MAXIMUM % D FOR CCC IS 20

1017

CALIBRATION CHECK - VOLATILE HSL COMPOUNDS

CASE NO. - CONTRACT LAB RADIAN

CONTRACT NO. 68-01-6853 INSTRUMENT IDENTIFIER F4

CALIBRATION DATE: 11/12/85

STANDARD FILE: 4ES1120V050

DATE: 11/20/85 TIME: 835

MAXIMUM % D FOR CCC IS 20

3 PCC **
CCC *

COMPOUND	MEAN RF(I)	RF(O)	% D	
CHLOROMETHANE	0.906	0.799	-11.775	* *
BROMOMETHANE	0.708	0.673	-5.022	
VINYL CHLORIDE	1.094	1.052	-3.821	*
CHLOROETHANE	0.977	0.963	-1.376	
METHYLENE CHLORIDE	1.585	1.512	-4.595	
ACETONE	0.607	0.290	-52.138	
CARBON DISULFIDE	4.247	4.104	-3.365	
TRICHLOROTRIFLUOROMETHANE	1.829	1.684	-7.932	
1,1-DICHLOROETHENE	1.164	1.148	-1.441	*
1,1-DICHLOROETHANE	1.164	2.791	[illegible]	* *
TRANS-1,2-DICHLOROETHENE	1.611	1.537	-4.617	
CHLOROFORM	2.993	2.726	-8.927	*
1,2-DICHLOROETHANE	1.714	1.443	-15.828	
2-BUTANONE	0.054	0.045	-15.846	
1,1,1-TRICHLOROETHANE	0.403	0.391	-3.047	
CARBON TETRACHLORIDE	0.410	0.392	-4.388	
VINYL ACETATE	0.635	0.366	-42.393	
BROMODICHLOROMETHANE	0.579	0.535	-7.487	
1,2-DICHLOROPROPANE	0.464	0.440	-5.112	*
CIS-1,3-DICHLOROPROPENE	0.399	0.376	-5.815	
TRICHLOROETHENE	0.344	0.347	0.859	
DIBROMOCHLOROMETHANE	0.386	0.360	-6.609	
1,1,2,-TRICHLOROETHANE	0.397	0.373	-6.127	
BENZENE	0.986	0.981	-0.510	
TRANS-1,3-DICHLOROPROPENE	0.338	0.313	-7.395	
2-CHLOROETHYLVINYL ETHER	0.536	0.507	-5.392	
BROMOFORM	0.371	0.343	-7.531	* *
2-HEXANONE	0.249	0.212	-14.907	
4-METHYL-2-PENTANONE	0.252	0.219	-13.166	
TETRACHLOROETHENE	0.366	0.386	5.342	
1,1,2,2-TETRACHLOROETHANE	1.091	1.014	-7.016	* *
TOLUENE	0.902	0.895	-0.849	*
CHLOROBENZENE	1.152	1.129	-2.032	* *
ETHYLBENZENE	0.573	0.562	-1.906	*
STYRENE	1.197	1.192	-0.391	
TOTAL XYLENES	0.782	0.796	1.803	

CASE NO. -52K
CONTRACT NO. 68-01-6853
CALIBRATION DATE: 11/12/85
STANDARD FILE: 4HS1119V000
DATE: 11/19/85 TIME: 808
MAXIMUM % D FOR CCC IS 20

CONTRACT LAB RADIAN
INSTRUMENT IDENTIFIER: F4

1016

COMPOUND	MEAN RF(I)	RF(0)	% D	SPCC** CCC*
CHLOROMETHANE	0.906	0.784	-13.435	**
BROMOMETHANE	0.701	0.693	-1.172	
VINYL CHLORIDE	1.094	1.046	-4.[illegible]	*
CHLOROETHANE	0.977	1.032	5.656	
METHYLENE CHLORIDE	1.580	1.632	3.260	
ACETONE	0.607	0.451	-25.795	
CARBON DISULFIDE	4.247	4.441	4.575	
TRICHLOROTRIFLUOROETHANE	1.829	1.843	0.783	
1,1-DICHLOROETHENE	1.164	1.241	6.655	*
1,1-DICHLOROETHANE	1.164	1.092	[illegible]	**
TRANS-1,2-DICHLOROETHENE	1.611	1.695	5.193	
CHLOROFORM	2.993	2.986	-0.233	*
1,2-DICHLOROETHANE	1.714	1.609	-6.116	
2-BUTANONE	0.054	0.045	-16.023	
1,1,1-TRICHLOROETHANE	0.403	0.420	4.111	
CARBON TETRACHLORIDE	0.410	0.462	12.830	
VINYL ACETATE	0.635	0.301	-52.545	
BROMODICHLOROMETHANE	0.579	0.584	0.797	
1,2-DICHLOROPROPANE	0.464	0.473	1.934	*
CIS-1,3-DICHLOROPROPENE	0.399	0.408	2.193	
TRICHLOROETHENE	0.344	0.385	11.822	
DIBROMOCHLOROMETHANE	0.386	0.402	4.379	
1,1,2,-TRICHLOROETHANE	0.397	0.407	2.424	
BENZENE	0.986	1.119	13.421	
TRANS-1,3-DICHLOROPROPENE	0.338	0.340	0.542	
2-CHLOROETHYLVINYL ETHER	0.336	0.408	-18.266	
BROMOFORM	0.371	0.383	3.241	**
2-HEXANONE	0.249	0.228	-8.418	
4-METHYL-2-PENTANONE	0.252	0.233	-7.513	
TETRACHLOROETHENE	0.366	0.442	20.718	
1,1,2,2-TETRACHLOROETHANE	1.091	1.067	-2.114	**
TOLUENE	0.902	0.974	7.872	*
CHLOROBENZENE	1.152	1.065	9.[illegible]	**
ETHYLBENZENE	0.373	0.627	9.401	*
STYRENE	1.197	1.306	9.134	
TOTAL XYLENES	0.782	0.844	7.892	

ORIGINAL
(Red)

AR100311

INITIAL CALIBRATION DATA - SEMIVOLATILE HSL COMPOUNDS 1015

CASE NO 5215
CONTRACT NO 68-01-6853
CALIBRATION DATE 11-11-85
MINIMUM MEAN RF FOR SPCC IS 0 05
MAXIMUM %RSD FOR CCC IS 30%

CONTRACT LAB RADIAN
INSTRUMENT IDENTIFIER 5100

LABORATORY ID SE5111C021 SE5111C053 SE5111C080 SE5111C120 SE5111C160

COMPOUND	RF 20NG	RF 50NG	RF 80NG	RF 120NG	RF 160NG	MEAN RF	%RSD
N-NITROSODIMETHYLAMINE	0 741	0 550	0 726	1 000	0 776	0 759	18 9
PHENOL	1. 138	1 208	1. 182	1 332	1 158	1 204	5 6 *
ANILINE	1 224	1. 242	1 150	1 217	1 210	1 209	2 5
BIS(2-CHLOROETHYL)ETHER	1 062	1. 107	0 983	1 109	1 043	1 061	4 3
2-CHLOROPHENOL	0 830	0 834	0 843	0 939	0 889	0 867	4 7
1, 3-DICHLOROBENZENE	1 082	1 091	1. 052	1. 125	1 072	1 084	2. 2
1, 4-DICHLOROBENZENE	1. 071	1. 143	1 113	1. 205	1 088	1. 124	4 1 *
BENZYL ALCOHOL	0 421	0. 414	0 448	0 480	0 455	0 444	5 4
1, 2-DICHLOROBENZENE	0 894	1. 011	1 033	1. 091	0 977	0 993	5. 5
2-METHYLPHENOL	0 629	0. 705	0 728	0. 766	0 767	0 719	7 0
BIS(2-CHLOROISOPROPYL)ETHER	1 660	1 569	1 490	1. 663	1 422	1 561	6. 0
4-METHYLPHENOL	0. 657	0. 697	0. 735	0 799	0. 793	0 736	7. 4
N-NITROSO-DI-N-PROPYLAMINE	0 104	0 110	0 108	0. 123	0 111	0 111	5. 7 *
HEXACHLOROETHANE	0. 397	0 414	0. 404	0. 450	0 414	0. 416	4 3
NITROBENZENE	0. 222	0 241	0. 222	0. 262	0 267	0 243	7. 8
ISOPHORONE	0. 454	0. 482	0 451	0. 493	0 507	0. 478	4 5
2-NITROPHENOL	0 072	0. 086	0. 093	0. 109	0 101	0. 092	13 8 *
2, 4-DIMETHYLPHENOL	0 176	0. 192	0. 188	0. 200	0 211	0. 193	6. 0
BENZOIC ACID	0 018	0. 079	0. 089	0. 099	0 116	0. 080	41. 3
BIS(2-CHLOROETHOXY)METHANE	0. 311	0 342	0. 328	0. 365	0 372	0. 344	6. 6
2, 4-DICHLOROPHENOL	0. 160	0. 179	0. 180	0. 197	0 211	0. 186	9. 2
1, 2, 4-TRICHLOROBENZENE	0. 225	0 250	0 227	0 246	0. 251	0. 240	4. 8
NAPHTHALENE	0. 750	0. 764	0. 633	0. 704	0 667	0 704	9
4-CHLOROANILINE	0. 232	0. 246	0 213	0 204	0 168	0 212	
HEXACHLOROBUTADIENE	0. 127	0. 137	0 124	0. 130	0 145	0 133	
4-CHLORO-3-METHYLPHENOL	0 139	0. 163	0. 155	0. 170	0 175	0. 160	8 *
2-METHYLNAPHTHALENE	0. 458	0. 495	0 449	0. 497	0. 470	0 474	0
HEXACHLOROCYCLOPENTADIENE	0. 111	0. 134	0. 126	0 140	0. 143	0 131	8. 8 *
2, 4, 6-TRICHLOROPHENOL	0. 163	0. 206	0. 232	0 221	0. 267	0 218	15. 5 *
2, 4, 5-TRICHLOROPHENOL	0. 188	0 222	0 225	0. 253	0. 250	0 228	10 3
2-CHLORONAPHTHALENE	0 665	0. 833	0. 759	0. 785	0. 772	0 763	7. 1
2-NITROANILINE	0 095	0. 164	0. 174	0. 190	0. 217	0. 168	24. 1
DIMETHYL PHTHALATE	0. 784	0. 974	0. 973	1. 022	1 016	0. 954	9 1
ACENAPHTHYLENE	0 994	1. 215	1. 175	1. 160	1 136	1. 136	6. 6
3-NITROANILINE	0. 085	0. 102	0. 079	0. 058	0 061	0. 077	20 6
ACENAPHTHENE	0. 701	0 813	0. 798	0 817	0 782	0. 782	5. 4 *
2, 4-DINITROPHENOL	0. 037	0 059	0 058	0 055	0 042	0 050	17. 4 *
4-NITROPHENOL	0 081	0. 138	0 138	0. 161	0 130	0. 127	20. 2 *
DIBENZOFURAN	1. 080	1. 289	1 226	1 189	1 165	1. 190	5. 7
2, 4-DINITROTOLUENE	0. 067	0. 109	0. 123	0. 143	0 155	0 120	25. 4
2, 6-DINITROTOLUENE	0. 115	0 184	0. 199	0. 221	0. 230	0. 190	21. 4
DIETHYLPHTHALATE	0. 836	1. 073	0. 972	1. 103	1 108	1. 018	10. 1
4-CHLOROPHENYL-PHENYLETHER	0 369	0. 385	0. 424	0 444	0 465	0. 417	8. 5
FLUORENE	0. 784	0. 975	0 987	0. 965	0 940	0 930	8. 0
4-NITROANILINE	0. 053	0. 115	0 089	0. 099	0. 096	0 090	22. 6
4, 6-DINITRO-2-METHYLPHENOL	0 015	0 031	0. 031	0. 037	0 039	0 030	27. 6
N-NITROSODIPHENYLAMINE	0 280	0. 264	0 233	0 249	0 252	0 256	6. 1 *
4-BROMOPHENYL-PHENYLETHER	0 091	0. 093	0. 098	0. 108	0. 105	0. 099	6. 5
HEXACHLOROBENZENE	0 115	0 126	0 118	0. 133	0 130	0 124	5. 3
PENTACHLOROPHENOL	0 020	0. 034	0 048	0. 049	0 056	0 041	28 1 *
PHENANTHRENE	0 834	0. 858	0. 825	0 821	0 822	0 832	1. 6
ANTHRACENE	0 702	0 779	0. 655	0 740	0 643	0 704	7 2
DI-N-BUTYLPHTHALATE	0 817	1 088	0 992	1 074	1 018	0 998	9 7
FLUORANTHENE	0 555	0 686	0 668	0 697	0 635	0 648	7 8 *
BENZIDINE	0 041	0 053	0 053	0 063	0 063	0. 055	14 3
PYRENE	1 532	1. 344	1. 389	1. 509	1 378	1. 431	5 2
BUTYLBENZYLPHTHALATE	1 691	1. 010	1 049	0. 997	0 919	1 133	24 9
3, 3'-DICHLOROBENZIDINE	0 126	0. 146	0 115	0 093	0 169	0 130	
BENZO(A)ANTHRACENE	0 828	0. 849	0. 898	0. 890	1 020	0 897	
BIS(2-ETHYLHEXYL)PHTHALATE	0 880	1 297	1 319	1. 243	1. 304	1 209	
CHRYSENE	0 828	0 914	0. 846	0 840	0 905	0 867	4. 1
DI-N-OCTYL PHTHALATE	2 339	2 919	3 136	3. 435	3 883	3. 142	16 4 *
BENZO(B)FLUORANTHENE	0 938	1 137	1. 032	1. 192	1 307	1 121	11 3
BENZO(K)FLUORANTHENE	1. 177	1. 303	1 156	1. 366	1. 411	1 283	7. 8
BENZO(A)PYRENE	0 834	0 918	0 873	1. 002	1. 050	0. 935	8. 5 *
INDENO(1, 2, 3-CD)PYRENE	0 653	0. 693	0. 559	0 802	0 731	0 688	11 7
DIBENZ(A, H)ANTHRACENE	0 500	0 635	0. 599	0. 629	0. 763	0 625	13 4
BENZO(GHI)PERYLENE	0 560	0 647	0 574	0 634	0. 757	0 635	10 9

INITIAL CALIBRATION DATA - VOLATILE COMPOUNDS

CASE NO. - 5215
CONTRACT NO. 68-01-6853
CALIBRATION DATE: 11/12/85
MINIMUM MEAN RF FOR SPCC IS 0.300
MINIMUM %RSD FOR CCC IS 30%

CONTRACT LAB: RADIAN
INSTRUMENT IDENTIFIER: F4

1013

SPCC**
CCC*

Lab. I.D → 4ES1112V020 4ES1112V050 4ES1112V100 4ES1112V150 4ES1112V200

COMPOUND	RF 20NG	RF 50NG	RF 100NG	RF 150NG	RF 200NG	MEAN RF	%RSD
CHLOROMETHANE	1.001	0.929	0.873	0 888	0.838	0.906	6.140 **
BROMOMETHANE	0.740	0.726	0.706	0.643	0.726	0.708	4.871
VINYL CHLORIDE	0.924	1.113	1.266	0.936	1.230	1.094	13.076 *
CHLOROETHANE	0.893	0.989	1.221	0.887	0.892	0.977	13.122
METHYLENE CHLORIDE	1.628	1.597	1.607	1.509	1.586	1.585	2.554
ACETONE	0.853	0.565	0.681	0.391	0.547	0.607	25.309
CARBON DISULFIDE	3.653	4.257	4.513	4.255	4.556	4.247	7.890
1,1-DICHLOROETHENE	1.034	1.120	1.248	1.154	1.266	1.164	7.328 *
1,1-DICHLOROETHANE	3.070	2.819	3.065	3.240	3.102	3.059	4.438 **
TRANS-1,2-DICHLOROETHENE	1.549	1.525	1.660	1.675	1.646	1.611	3.811
CHLOROFORM	3.091	2.782	2.974	3.178	2.941	2.993	4.515 *
1,2-DICHLOROETHANE	1.875	1.473	1.722	1.796	1.705	1.714	7.854
2-BUTANONE	0.083	0.047	0.043	0.047	0.049	0.054	27.136
1,1,1-TRICHLOROETHANE	0.393	0.375	0.413	0.422	0.412	0.403	4.153
CARBON TETRACHLORIDE	0.409	0.374	0.407	0.447	0.412	0.410	5.679
VINYL ACETATE	0.644	0.607	0.615	0.672	0.637	0.635	3.606
BROMODICHLOROMETHANE	0.639	0.542	0.551	0.609	0.551	0.579	6.662
1,2-DICHLOROPROPANE	0.496	0.451	0.448	0.478	0.446	0.464	4.296 *
TRANS-1,3-DICHLOROPROPENE	0.356	0.322	0.331	0.349	0.334	0.338	3.583
TRICHLOROETHENE	0.335	0.345	0.338	0.349	0.354	0.344	1.976
BROMOCHLOROMETHANE	0.403	0.373	0.370	0.397	0.385	0.386	3.376
1,1,2,-TRICHLOROETHANE	0.444	0.380	0.379	0.400	0.385	0.397	6.087
BENZENE	1.088	1.040	0.992	0.950	0.862	0.986	7.839
CIS-1,3-DICHLOROPROPENE	0.417	0.386	0.381	0.418	0.394	0.399	3.835
2-CHLOROETHYLVINYL ETHER	0.590	0.497	0.555	0.509	0.530	0.536	6.240
BROMOFORM	0.373	0.352	0.365	0.379	0.388	0.371	3.339 **
2-HEXANONE	0.296	0.227	0.244	0.237	0.239	0.249	9.762
4-METHYL-2-PENTANONE	0.313	0.237	0.243	0.235	0.234	0.252	12.002
TETRACHLOROETHENE	0.333	0.375	0.376	0.373	0.374	0.366	4.515
1,1,2,2-TETRACHLOROETHANE	1.384	0.998	1.093	1.050	0.927	1.091	14.352 **
TOLUENE	0.950	0.893	0.914	0.906	0.849	0.902	3.638 *
CHLOROBENZENE	1.193	1.120	1.162	1.190	1 096	1.152	3.316 **
ETHYLBENZENE	0.555	0.548	0.569	0.583	0.611	0 573	3.944 *
STYRENE	1.268	1.082	1.130	1.259	1.246	1.197	6.373
TOTAL XYLENES	0.795	0.683	0.737	0.852	0.842	0.782	8.196

(Rev)

CALIBRATION CHECK - SEMIVOLATILE HSL COMPOUNDS

ASE NO. 5215 CONTRACT LAB. RADIAN

NTRACT NO. 68-01-6853 INSTRUMENT IDENTIFIER. 5100

LIBRATION DATE. 11-11-85

ANDARD FILE 5ES1122C050

ATE. 11-22-85 TIME. 6 12

INIMUM RF FOR SPCC IS 0500

XIMUM % D FOR CCC IS 25%

1021

SPCC's *
CCC's *

COMPOUND	MEAN RF(I)	RF(O)	% D
NITROSODIMETHYLAMINE	0 759	0 474	37 526
ENOL	1 204	1 223	-1 591 *
NILINE	1 209	1 264	-4 550
IS(2-CHLOROETHYL)ETHER	1 061	1 081	-1 935
CHLOROPHENOL	0 867	0 849	2.072
3-DICHLOROBENZENE	1 084	1.099	-1.350
4-DICHLOROBENZENE	1.124	1 168	-3 867 *
ENZYL ALCOHOL	0 444	0 357	19 455
,2-DICHLOROBENZENE	0.993	1 086	-9.344
METHYLPHENOL	0.719	0 767	-6.681
S(2-CHLOROISOPROPYL)ETHER	1.561	1 660	-6 367
-METHYLPHENOL	0.736	0 767	-4.223
-NITROSO-DI-N-PROPYLAMINE	0.111	0 100	9 810 * *
EXACHLOROETHANE	0 416	0 465	-11.735
TROBENZENE	0 243	0 281	-15 503
OPHORONE	0 478	0 482	-0 880
-NITROPHENOL	0 092	0 077	15 863 *
,4-DIMETHYLPHENOL	0 193	0.199	-2.886
NZOIC ACID	0 080	0 047	41.216
S(2-CHLOROETHOXY)METHANE	0 344	0.363	-5.549
,4-DICHLOROPHENOL	0.186	0 189	-1 669
,2,4-TRICHLOROBENZENE	0 240	0.271	-12.912
APHTHALENE	0.704	0.792	-12.571
CHLOROANILINE	0.212	0 257	-21.047
EXACHLOROBUTADIENE	0 133	0.162	-21.778 *
-CHLORO-3-METHYLPHENOL	0.160	0.156	2 583 *
-METHYLNAPHTHALENE	0 474	0 483	-1 984
EXACHLOROCYCLOPENTADIENE	0.131	0 149	-13 920 * *
,6-TRICHLOROPHENOL	0.218	0 214	1 960 *
,4,5-TRICHLOROPHENOL	0 228	0.250	-9.822
-CHLORONAPHTHALENE	0 763	0.757	0 792
-NITROANILINE	0 168	0.136	19.065
METHYL PHTHALATE	0 954	0.947	0.725
ENAPHTHYLENE	1.136	1.173	-3.272
3-NITROANILINE	0 077	0 108	-39 296
CENAPHTHENE	0 782	0 779	0 392 *
4-DINITROPHENOL	0 050	0 080	-58.247 * *
NITROPHENOL	0 129	0 125	3.415 * *
BENZOFURAN	1 190	1.407	-18 232
2,6-DINITROTOLUENE	0 190	0.116	38 582
4-DINITROTOLUENE	0 120	0.232	-93 809
ETHYLPHTHALATE	1.018	0.996	2.156
CHLOROPHENYL-PHENYLETHER	0 417	0.442	-5.822
FLUORENE	0 930	0 951	-2.191
4-NITROANILINE	0 090	0 115	-25.145
6-DINITRO-2-METHYLPHENOL	0 030	0 030	1 072
NITROSODIPHENYLAMINE	0.256	0.267	-4 439 *
2-DIPHENYLHYDRAZINE	0.150	0.167	-11 219
4-BROMOPHENYL-PHENYLETHER	0 099	0 125	-26 174
HEXACHLOROBENZENE	0 124	0 123	0 651
NTACHLOROPHENOL	0 041	0 038	5 996 *
ENANTHRENE	0.832	0 826	0 749
ANTHRACENE	0.704	0 756	-7 474
DI-N-BUTYLPHTHALATE	0 998	0 980	1 828
FLUORANTHENE	0 648	0.660	-1 726 *
NZIDINE	0 055	0 048	11 167 * *
RENE	1 431	1 269	11 256
BUTYLBENZYLPHTHALATE	1 133	1.120	1 153
3,3'-DICHLOROBENZIDINE	0 130	0 151	-16 377
NZO(A)ANTHRACENE	0 897	0 780	13 081
S(2-ETHYLHEXYL)PHTHALATE	1 209	0 921	23.760
CHRYSENE	0 867	0 780	10 032
DI-N-OCTYL PHTHALATE	3 142	2 433	22 558 *
ENZO(B)FLUORANTHENE	1 121	1 130	-0 812
NZO(K)FLUORANTHENE	1 283	1 444	-12 559
NZO(A)PYRENE	0 935	0 982	-4 961 *
INDENO(1,2,3-CD)PYRENE	0 688	0 549	20 151
DIBENZ(A,H)ANTHRACENE	0 625	0 572	8 447
NZO(GHI)PERYLENE	0.635	0 620	2 330

AR1003-14

CALIBRATION CHECK - SEMIVOLATILE HSL COMPOUNDS

CASE NO 5215 CONTRACT LAB RADIAN 1022
CONTRACT NO 68-01-6853 INSTRUMENT IDENTIFIER 5100
CALIBRATION DATE 11-11-85
STANDARD FILE SFS1125C050
DATE 11-25-85 TIME 6 29
MINIMUM RF FOR SPCC IS 0500
MAXIMUM % D FOR CCC IS 25%

SPCC**
CCC*

COMPOUND	MEAN RF(I)	RF(C)	% D	
N-NITROSODIMETHYLAMINE	0 759	0 746	1 701	
PHENOL	1 204	1 264	-4 968	*
ANILINE	1 209	1 216	-0 606	
BIS(2-CHLOROETHYL)ETHER	1 061	1 182	-11 385	
2-CHLOROPHENOL	0 867	0 901	-3 977	
1,3-DICHLOROBENZENE	1 084	1 129	-4 118	
1,4-DICHLOROBENZENE	1 124	1 171	-4 158	*
BENZYL ALCOHOL	0 444	0 256	42 301	
1,2-DICHLOROBENZENE	0 993	1 086	-9 301	
2-METHYLPHENOL	0 719	0 835	-16 146	
BIS(2-CHLOROISOPROPYL)ETHER	1 561	1 855	-18 830	
4-METHYLPHENOL	0 736	0 788	-7 089	
N-NITROSO-DI-N-PROPYLAMINE	0 111	0 132	-18 110	* *
HEXACHLOROETHANE	0 416	0 505	-21 365	
NITROBENZENE	0 243	0 286	-17 659	
ISOPHORONE	0 478	0 505	-5 649	
2-NITROPHENOL	0 092	0 088	4 908	*
2,4-DIMETHYLPHENOL	0 193	0 194	-0 483	
BENZOIC ACID	0 080	0 065	18 386	
BIS(2-CHLOROETHOXY)METHANE	0 344	0 361	-5 112	
2,4-DICHLOROPHENOL	0 186	0 195	-4 847	*
1,2,4-TRICHLOROBENZENE	0 240	0 263	-9 430	
NAPHTHALENE	0 704	0 718	-2 062	
4-CHLOROANILINE	0 212	0 205	3 412	
HEXACHLOROBUTADIENE	0 133	0 155	-16 766	*
4-CHLORO-3-METHYLPHENOL	0 160	0 152	5 184	*
2-METHYLNAPHTHALENE	0 474	0 517	-9 048	
HEXACHLOROCYCLOPENTADIENE	0 131	0 130	0 276	* *
2,4,6-TRICHLOROPHENOL	0 218	0 218	0 014	*
2,4,5-TRICHLOROPHENOL	0 228	0 271	-19 037	
2-CHLORONAPHTHALENE	0 763	0 724	5 129	
2-NITROANILINE	0 168	0 144	14 429	
DIMETHYL PHTHALATE	0 954	0 929	2 652	
ACENAPHTHYLENE	1 136	1 137	-0 090	
3-NITROANILINE	0 077	0 104	-34 155	
ACENAPHTHENE	0 782	0 767	1 900	*
2,4-DINITROPHENOL	0 050	0 077	-51 733	* *
4-NITROPHENOL	0 129	0 129	0 193	* *
DIBENZOFURAN	1 190	1 275	-7 129	
2,6-DINITROTOLUENE	0 190	0 142	25 394	
2,4-DINITROTOLUENE	0 120	0 223	-86 275	
DIETHYLPHTHALATE	1 018	1 000	1 803	
4-CHLOROPHENYL-PHENYLETHER	0 417	0 419	-0 487	
FLUORENE	0 930	0 926	0 431	
4-NITROANILINE	0 090	0 093	-2 878	
4,6-DINITRO-2-METHYLPHENOL	0 030	0 036	-17 483	
N-NITROSODIPHENYLAMINE	0 256	0 271	-5 987	*
1,2-DIPHENYLHYDRAZINE	0 150	0 181	-20 305	
4-BROMOPHENYL-PHENYLETHER	0 099	0 119	-19 677	
HEXACHLOROBENZENE	0 124	0 122	1 314	
PENTACHLOROPHENOL	0 041	0 039	5 542	*
PHENANTHRENE	0 832	0 814	2 193	
ANTHRACENE	0 704	0 747	-6 102	
DI-N-BUTYLPHTHALATE	0 998	0 961	3 734	
FLUORANTHENE	0 648	0 617	4 806	*
BENZIDINE	0 055	0 069	-25 993	
PYRENE	1 431	1 589	-11 072	
BUTYLBENZYLPHTHALATE	1 133	1 155	-1 904	
3,3'-DICHLOROBENZIDINE	0 130	0 147	-12 967	
BENZO(A)ANTHRACENE	0 897	0 866	3 440	
BIS(2-ETHYLHEXYL)PHTHALATE	1 209	1 020	15 575	
CHRYSENE	0 867	0 846	2 328	
DI-N-OCTYL PHTHALATE	3 142	2 389	23 957	*
BENZO(B)FLUORANTHENE	1 121	1 094	2 431	
BENZO(K)FLUORANTHENE	1 283	1 084	15 518	
BENZO(A)PYRENE	0 935	0 871	6 858	*
INDENO(1,2,3-CD)PYRENE	0 688	0 738	-7 247	
DIBENZ(A,H)ANTHRACENE	0 625	0 573	8 283	
BENZO(GHI)PERYLENE	0 635	0 629	0 957	

ORIGINAL (Red)

CALIBRATION CHECK - SEMIVOLATILE HSL COMPOUNDS

CASE NO. 5219 — CONTRACT LAB: RADIAN
CONTRACT NO. 68-01-6853 — INSTRUMENT IDENTIFIER: 5100
CALIBRATION DATE: 11-11-85
STANDARD FILE: 5ES1126C051
DATE: 11-26-85 TIME: 7:42
MINIMUM RF FOR SPCC IS .0500
MAXIMUM % D FOR CCC IS 25%

1C23

SPCC**
CCC*

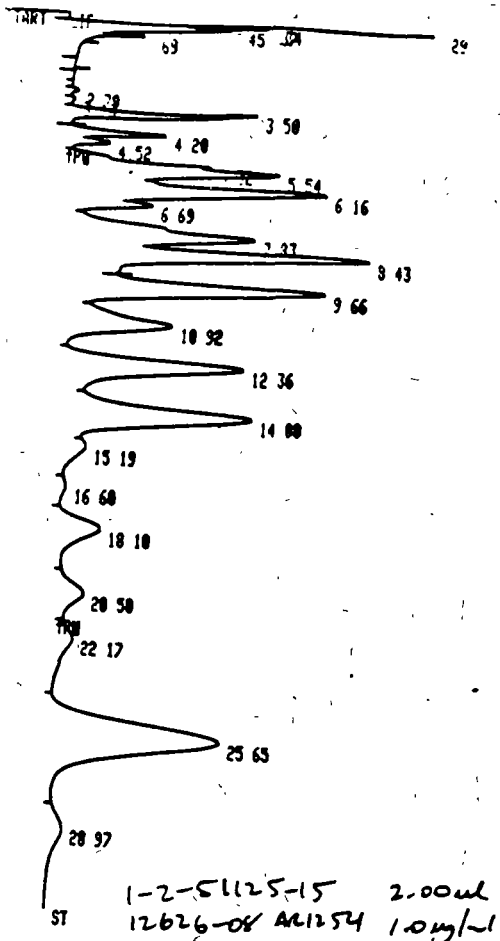
COMPOUND	MEAN RF(I)	RF(O)	% D	
N-NITROSODIMETHYLAMINE	0.759	0 592	22.011	
PHENOL	1.204	1.172	2.675	*
ANILINE	1.209	1.232	-1.911	
BIS(2-CHLOROETHYL)ETHER	1.061	1 060	0 070	
2-CHLOROPHENOL	0.867	0 870	-0.381	
1,3-DICHLOROBENZENE	1.084	1.085	-0.049	
1,4-DICHLOROBENZENE	1.124	1.126	-0.178	*
BENZYL ALCOHOL	0.444	0.217	51.151	
1,2-DICHLOROBENZENE	0.993	1 060	-6.770	
2-METHYLPHENOL	0.719	0.773	-7.514	
BIS(2-CHLOROISOPROPYL)ETHER	1.561	1.790	-14.688	
4-METHYLPHENOL	0.736	0.781	-6.079	
N-NITROSO-DI-N-PROPYLAMINE	0.111	0.118	-5.877	* *
HEXACHLOROETHANE	0.416	0.506	-21.717	
NITROBENZENE	0 243	0.291	-19.773	
ISOPHORONE	0.478	0.513	-7.403	
2-NITROPHENOL	0.092	0.090	2.581	*
2,4-DIMETHYLPHENOL	0.193	0.187	2.958	
BENZOIC ACID	0.080	0.051	36.593	
BIS(2-CHLOROETHOXY)METHANE	0.344	0.365	-6.136	
2,4-DICHLOROPHENOL	0.186	0.199	-6.999	*
1,2,4-TRICHLOROBENZENE	0.240	0.291	-21.233	
NAPHTHALENE	0.704	0.783	-11.322	
4-CHLOROANILINE	0.212	0.222	-4.509	
HEXACHLOROBUTADIENE	0 133	0.156	-17.806	*
4-CHLORO-3-METHYLPHENOL	0.160	0.164	-2.156	*
2-METHYLNAPHTHALENE	0.474	0.511	-7.819	
HEXACHLOROCYCLOPENTADIENE	0.131	0.155	-18.211	* *
2,4,6-TRICHLOROPHENOL	0.218	0 229	-5.008	*
2,4,5-TRICHLOROPHENOL	0.228	0.297	-30.332	
2-CHLORONAPHTHALENE	0.763	0.775	-1.569	
2-NITROANILINE	0 168	0.150	10.660	
DIMETHYL PHTHALATE	0.954	0.952	0.163	
ACENAPHTHYLENE	1.136	1 158	-1.976	
3-NITROANILINE	0 077	0.075	3.031	
ACENAPHTHENE	0.782	0.776	0.842	*
2,4-DINITROPHENOL	0.050	0 077	51.881	* *
4-NITROPHENOL	0.129	0.143	-10.142	* *
DIBENZOFURAN	1.190	1.311	-10.176	
2,6-DINITROTOLUENE	0.190	0.141	25.817	
2,4-DINITROTOLUENE	0.120	0.228	90.547	
DIETHYLPHTHALATE	1.018	0.906	10.996	
4-CHLOROPHENYL-PHENYLETHER	0 417	0 526	25 958	
FLUORENE	0 930	0.[illegible]	-6.799	
4-NITROANILINE	0.090	0.[illegible]	60 803	
4,6-DINITRO-2-METHYLPHENOL	0 030	0 036	-16.890	
N-NITROSODIPHENYLAMINE	0 256	0.242	5.402	*
1,2-DIPHENYLHYDRAZINE	0.150	0.163	-8.610	
4-BROMOPHENYL-PHENYLETHER	0 099	0 124	-24.805	
HEXACHLOROBENZENE	0 124	0.142	-14 642	
PENTACHLOROPHENOL	0.041	0 037	21 156	*
PHENANTHRENE	0.832	0 824	0 999	
ANTHRACENE	0.704	0.769	-9 195	
DI-N-BUTYLPHTHALATE	0 998	0 884	11.412	
FLUORANTHENE	0 648	0 625	3 536	*
BENZIDINE	0 055	0 058	-6 726	
PYRENE	1 431	1 255	12 265	
BUTYLBENZYLPHTHALATE	1 133	1 083	4 451	
3,3'-DICHLOROBENZIDINE	0 130	0 149	-14 962	
BENZO(A)ANTHRACENE	0 897	0 825	8 004	
BIS(2-ETHYLHEXYL)PHTHALATE	1 209	0 968	19.883	
CHRYSENE	0 867	0.777	10 352	
DI-N-OCTYL PHTHALATE	3 142	2 503	20 331	*
BENZO(B)FLUORANTHENE	1.121	1 152	-2 719	
BENZO(K)FLUORANTHENE	1 283	1.404	-9 478	
BENZO(A)PYRENE	0 935	0 952	-1.769	*
INDENO(1,2,3-CD)PYRENE	0.688	0.748	-8 744	
DIBENZ(A,H)ANTHRACENE	0 625	0 733	-17 155	
BENZO(GHI)PERYLENE	0 635	0.777	-22 488	

ORIGINAL (Red)

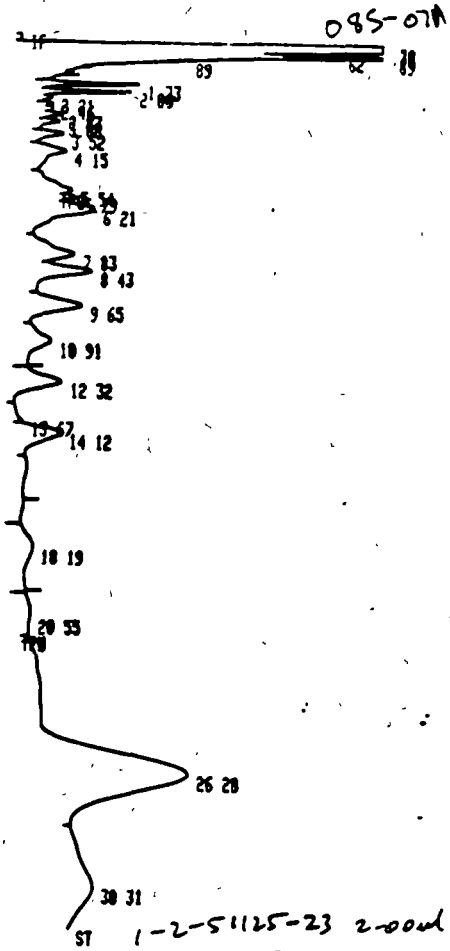
AR100316

CC699

969



1-2-51125-15 2.00ml
12626-08 AR1254 1.0mg/l
HL MP



1-2-51125-23 2.00ml
8511085-7A 8.14g-5.
HL MP

CASE NUMI
SAMPLE ID.
VOLUME IN
QUANTITAT

AROCHLOR 1254

RUN # 23 NOV/25/85 00 42 58
WORKFILE ID: C
WORKFILE NAME:
ID: 1-2

AREA%

RT	AREA	TYPE	AR/HT	AREA%
0 32	1 8846E+07	SPH	0 875	57 618
0 39	4651500	DSHB	0 864	14 221
0 45	639160	DTBB	0 824	1 954
0 62	22764	TBV	0 832	0 070
0 69	725340	TVV	0 852	2 218
0 89	4101	DTVB	0 832	0 013
1 73	82045	BV	0 895	0 251
2 00	74345	VV	0 891	0 227
2 21	10962	VP	0 136	0 034
2 46	9883	PV	0 899	0 030
2.83	30664	VV	0 164	0 094
3 08	33319	VV	0 174	0 102
3 52	48310	VP	0 199	0 148
4 15	119000	PV	0 417	0 364
5 54	150380	VV	0 422	0 460
5 79	99894	VV	0 259	0 305
6 21	309640	VV	0 538	0 947
7 83	204950	VV	0 507	0 627
8 43	245250	VV	0 420	0 750
9 65	236390	VV	0 480	0 723
10 91	118960	VB	0 546	0 364
12 32	186110	BP	0 475	0 569
13 67	13787	PV	0 220	0 042
14 12	252840	VV	0 607	0 773
18 19	86656	PB	0 906	0 265
20 55	64427	BV	1 065	0 197
26 28	3381600	VV	2 162	10 338
30 31	2060300 I	VH	3 111	6 299

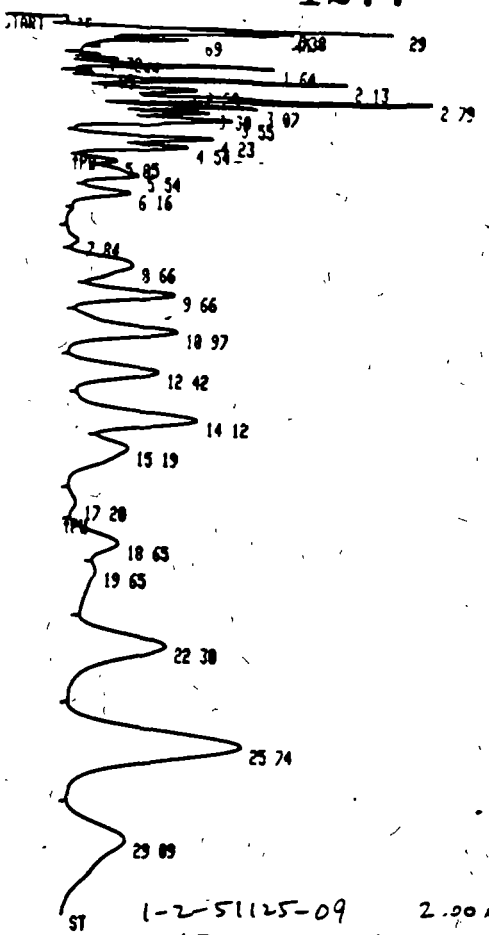
ORIGINAL (REC)

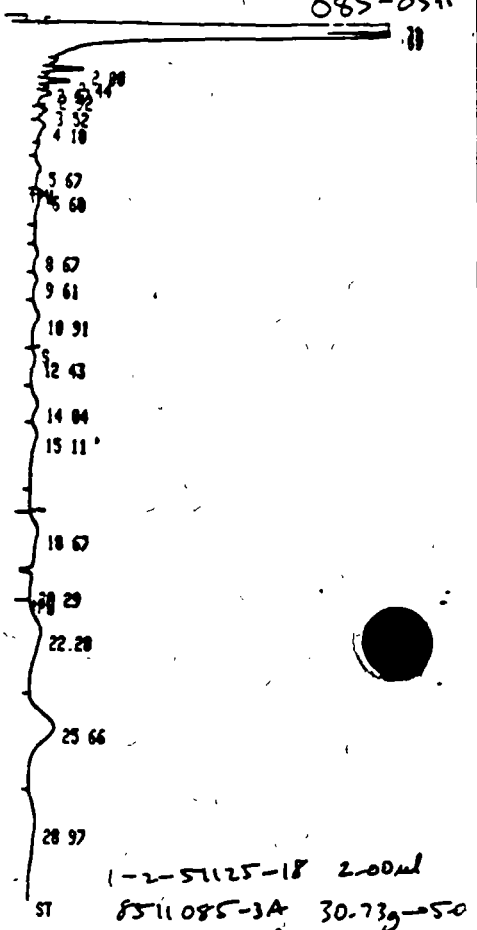
AR100317

1277

CB872

085-03A





CASE NUMBER ____
SAMPLE ID CB
VOLUME INJECTED
QUANTITATION CO

1-2-51125-09 2.00 ml
12626-03 AR1016/1260 0.5 g/L

1-2-51125-18 2.00 ml
85110 85-3A 30.73g → 50
HC MP

AROCHLOR 1260

Anal # 18 NOV/25/85 21 45 83
WORKFILE ID C
WORKFILE NAME:
ID: 1-2

AREA%

RT	AREA	TYPE	AR/HT	AREA%
0 32	1 8904E+07	SBH	0 874	65 732
0 38	7861000	DSHB	0 866	27 334
0 44	247900	DTBB	0 823	0 862
0 62	49357	TBV	0 835	0 172
0 69	598870	TVB	0 855	2 082
2 00	31512	TPV	0 894	0 110
2 44	26686	TPV	0 107	0 093
2 67	8099	TVV	0 126	0 028
2 92	18711	TVP	0 181	0 065
3 52	18756	TPP	0 212	0 065
4 18	26642	TPV	0 366	0 093
5 67	25105	TPV	0 457	0 087
6 60	37028	TVV	0 446	0 129
8 67	20312	TVV	0 588	0 071
9 61	17139	TVP	0 414	0 [illegible]
10 91	34026	TPB	0 558	[illegible]
12 43	22050	BP	0 578	[illegible]
14 04	53078	PV	0 725	0 185
15 11	59363	VP	0 879	0 206
18 67	135980	BP	1 396	0 473
20 29	17853	VB	0 437	0 062
22 28	142040	BV	1 345	0 494
25 66	289020	VV	1 162	1 005
28 97	114740	I VP	1 718	0 399

ORIGINAL (RED)

1282

899

CC698

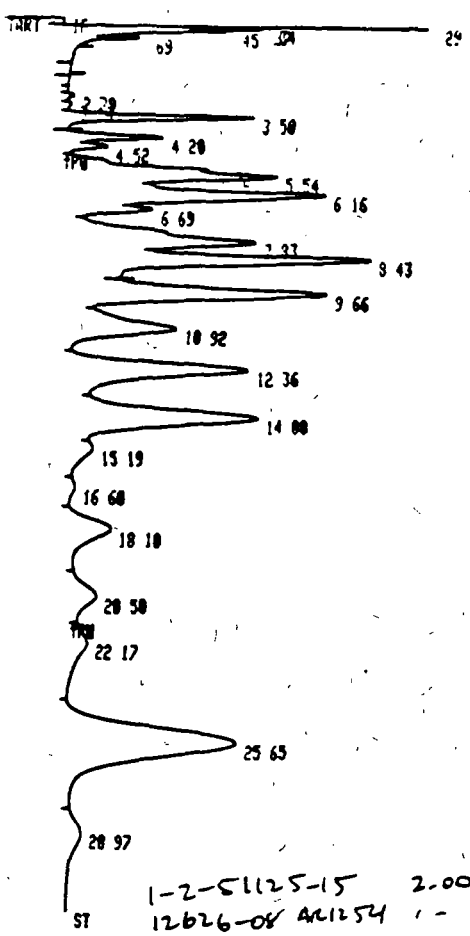
085-011

CASE NUMBER __

SAMPLE ID __C

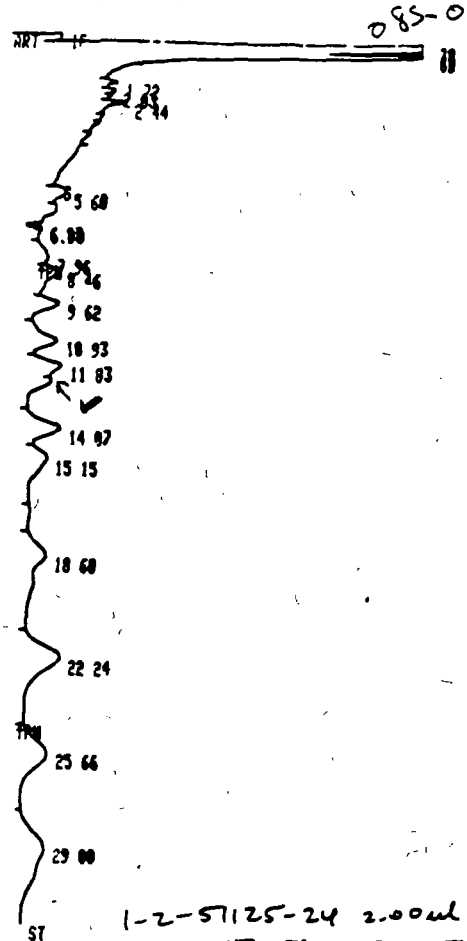
VOLUME INJECTE

QUANTITATION (



1-2-51125-15 2.00ul
12626-08 AR1254 1-

AROCHLOR 1254



1-2-51125-24 2.00ul
851105-8A 5A1g-5.0u
HL MP

RUN # 24 NOV/26/85 01 18 33
WORKFILE ID C
WORKFILE NAME:
ID 1-2

AREA%

RT	AREA	TYPE	AR/HT	AREA%
0 32	1 8653E+07	SPH	0 875	64 249
0 38	6957600	DSHB	0 877	23 965
0 44	105760	DTBB	0 826	0 364
0 62	55876	TBV	0 836	0 193
0 69	581560	TVB	0 851	2 003
1 72	14558	TBV	0 125	0 050
2 83	23848	TVV	0 177	0 082
2 44	67155	TVV	0 234	0 231
5 60	73349	BV	0 458	0 253
6 83	4128	PV	0 056	0 014
6 98	3334	VV	0 038	0 012
7 96	101640	VV	0 634	0 350
8 46	179250	VV	0 695	0 617
9 62	129280	VV	0 477	0 445
10 93	152160	VV	0 576	0 524
11 83	163910	VV	0 520	0 565
14 07	201710	PV	0 626	0 695
15 15	190460	VV	0 944	0 656
18 60	278270	VV	1 489	0 959
22 24	400990	VV	1 152	1 381
25 66	287360	VP	1 173	0 990
29 00	407480	I PP	1 888	1 403

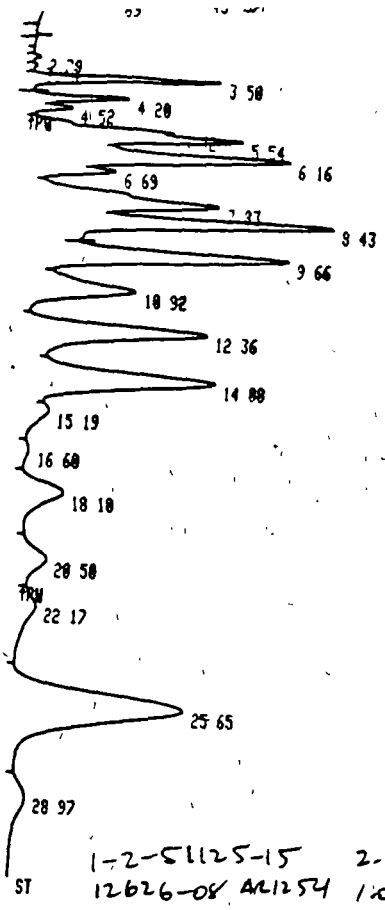
TOTAL AREA= 2 9033E+07

ORIGINAL (Red)

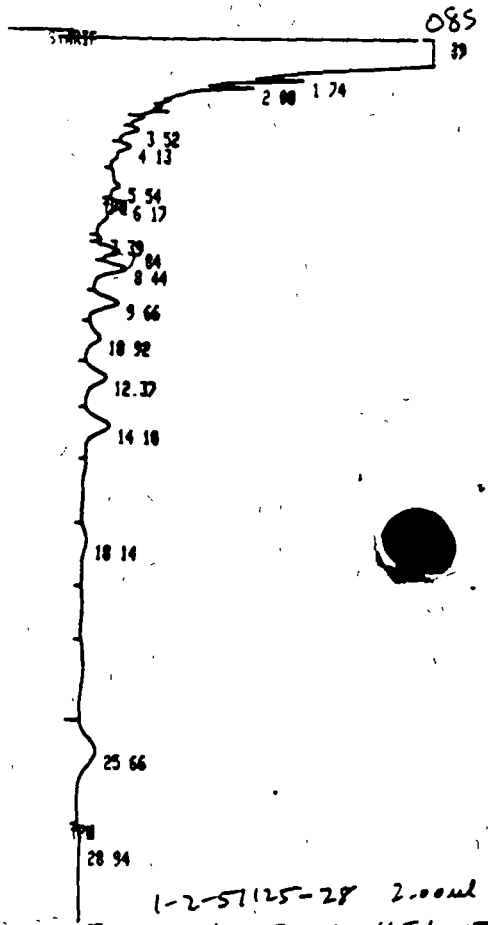
AR100319

C7857

CASE NUMBEF
SAMPLE ID __
VOLUME INJE
QUANTITATIC



1-2-51125-15 2.00ml
12626-08 AR1254 10ng/ul



1-2-51125-28 2.00ml
8511085-10A 4.54g-5
HL MP

AROCHLOR 1254

RUN 0 28 NOV/26/85 03 40 56
WORKFILE ID: C
WORKFILE NAME:
ID 1-2

AREA%

RT	AREA	TYPE	AR/HT	AREA%
0 28	7118700	SPH	0 835	7 44
0 37	8 7229E+07	SHB	0 282	91 23
1 74	41806	TBP	0 076	0 04
2 00	35196	TPP	0 078	0 03
3 52	20666	PP	0 194	0 02
4 13	39155	PP	0 315	0 04
5 54	67616	PV	0 518	0 07
6 17	103740	VP	0 487	0 10
7 39	6025	PV	0 137	0
7 84	87250	VV	0 388	0
8 44	124200	VV	0 485	0
9 66	119920	VP	0 452	0
10 92	65227	PP	0 536	0 06
12 37	117860	PV	0 581	0 12
14 10	163660	VV	0 669	0 17
18 14	40767	PP	0 839	0 04
25 66	201430	BP	1 162	0 21
28 94	32550 I	PP	1 288	0 03

ORIGINAL
(Red)

PROJECT NAME: EXTON AREA STUDY
TDD NO: F3-8505-13

EPA SITE NO.:
REGION: III

QUALITY ASSURANCE REVIEW OF ORGANIC ANALYSIS LAB DATA PACKAGE

Case No.: 5215
Contract No.: 68-01-6962
Contract Laboratory: I.T
Applicable IFB No.:
Reviewer: ERIC BLISCHKE
Review Date: 3/31/86

Applicable Sample No's.: C7866, C7867, CC398, CB463-CB471, CB868, CB869, CB873, CB875-CB877, CB880-CB884, CB886-CB888, CB892

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				X	NA
Acceptable with exception(s)	X 1,	X 1,3	X 1,2,3,4		
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
- 1 BLANK ANALYSIS RESULTS
- 3 SURROGATE SPIKE RESULTS
- MATRIX SPIKE RESULTS
- 2 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
- 4 HOLDING TIMES

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

∓ No errors noted, no form attached.

◒ Spot Check performed.

Comments:

ORIGINAL (Red)

AR100321

BLANK ANALYSIS RESULTS FOR TENTATIVELY IDENTIFIED COMPOUNDS

ALL TENTATIVELY IDENTIFIED COMPOUNDS FOUND IN BLANK ANALYSES ARE LISTED BELOW:

SAMPLE #	FRACTION	SCAN #(S)	SPECTRUM MATCH INDICES				ESTIMATED CONCENTRATION	COMPOUND NAME	COMMENT
			TYPE	SCORE	TYPE	SCORE			
BLANK217	VOA						NO TIC FOUND		
BLANK211	VOA						NO TIC FOUND		
BLANK111	VOA						NO TIC FOUND		
CB818	VOA						NO TIC FOUND		FIELD BLANK
"	BNA	≈960					1% IS	UNKNOWN	"
35Ø219B1	BNA	≈790					1% IS	UNKNOWN	
↓	↓	≈1040					1% IS	UNKNOWN	
		≈1180					1% IS	UNKNOWN	
		1489					1% IS	UNKNOWN	
		1502					2% IS	UNKNOWN	
		≈1710					4% IS	UNKNOWN	
		≈1780					2% IS	UNKNOWN	
35Ø3ØF2	BNA						NO TIC FOUND		
35Ø219F1	BNA						NO TIC FOUND		
35Ø31F1	BNA	659					5% IS	UNKNOWN	
↓	↓	1042					8% IS	UNKNOWN	
		1204					1% IS	UNKNOWN	
↓	↓	1540					2% IS	UNKNOWN	
35Ø219B1	BNA	1150					1% IS	UNKNOWN	RE-EXTRACTION
↓	↓	1388					2% IS	UNKNOWN	↓
35Ø3ØACB1	BNA	1861					20 µg/L	UNSAT'D H.C.	RE-EXTRACTION
35Ø3ØARB4	BNA	535					5% IS	UNKNOWN	RE-EXTRACTION
	BNA	878					2% IS	UNKNOWN	↓
	↓	1358					1% IS	UNKNOWN	
↓	↓	1862					20 µg/L	UNSAT'D H.C.	

ORIGINAL
(red)

AR100322

BLANK ANALYSIS RESULTS FOR TARGET COMPOUNDS

FRACTION	TYPE	CONC	MATRIX	SAMPLE #	SOURCE OF H_2O	CONTAMINANTS (CONCENTRATION / DETECTION LIMIT)
VOA	LAB	LOW	H_2O	BLANK29	LAB	$MeCl_2$ (10/5 ug/l)
↓	↓	↓	↓	↓	↓	ACETONE (7/10 ug/l)
VOA	LAB	LOW	H_2O	BLANK221	LAB	$MeCl_2$ (13/5 ug/l)
↓	↓	↓	↓	↓	↓	ACETONE (3/10 ug/l)
VOA	LAB	LOW	H_2O	BLANK222	LAB	$MeCl_2$ (13/5 ug/l)
↓	↓	↓	↓	↓	↓	ACETONE (5/10 ug/l)
VOA	WS	LOW	H_2O	CB888	WS	$MeCl_2$ (930/5 ug/l) FIELD BLANK
↓	↓	↓	↓	↓	↓	ACETONE (8/10 ug/l)
BNA	LAB	LOW	H_2O	35Ø29B1	LAB	N-NITROSODIPHENYLAMINE (10/20 ug/l)
↓	↓	↓	↓	↓	↓	BIS(2-ETHYLHEXYL PHTHALATE) (Ø.304/10 ug/l)
BNA	LOW	LOW	H_2O	35Ø35F2	LAB	NONE DETECTED
BNA	LOW	LOW	H_2O	35Ø29F1	LAB	~~NONE DETECTED~~ phenol (2.3 ug/l)
BNA	LOW	LOW	H_2O	35Ø31F1	LAB	BIS(2-ETHYLHEXYL PHTHALATE (Ø.869/10 ug/l)
BNA	LOW	LOW	H_2O	35Ø29AB1	LAB	NONE DETECTED (RS-EXTRACT)
BNA	LOW	LOW	H_2O	35Ø30AB1	LAB	BIS(2-ETHYLHEXYL PHTHALATE (Ø.942/10 ug/l)
BNA	LOW	LOW	H_2O	35Ø30AB4	LAB	NONE DETECTED
BNA	WS	LOW	H_2O	CB888	WS	~~NONE DETECTED~~ FIELD BLANK
						phenol (3.8 ug/l)

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

COMMENTS:

(1) RESULT REPORTED BY LABORATORY AND CONFIRMED BY REVIEWER

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

ORIGINAL
(Red)

DUAL MASS SPECTRUM
11 20 85 24:31:00 + 3:30
SAMPLE: CB859
CONDS.: 1ML:5ML
ENHANCED '5 158 24 PT

DATA: 35020N5 #103
CALI: FN101085 #1

RANGE M E: 61. 44
RIC: 3307. 8135.

45.4

1465.

trans-1,2-dichloroethene

X

M E

50

100.0

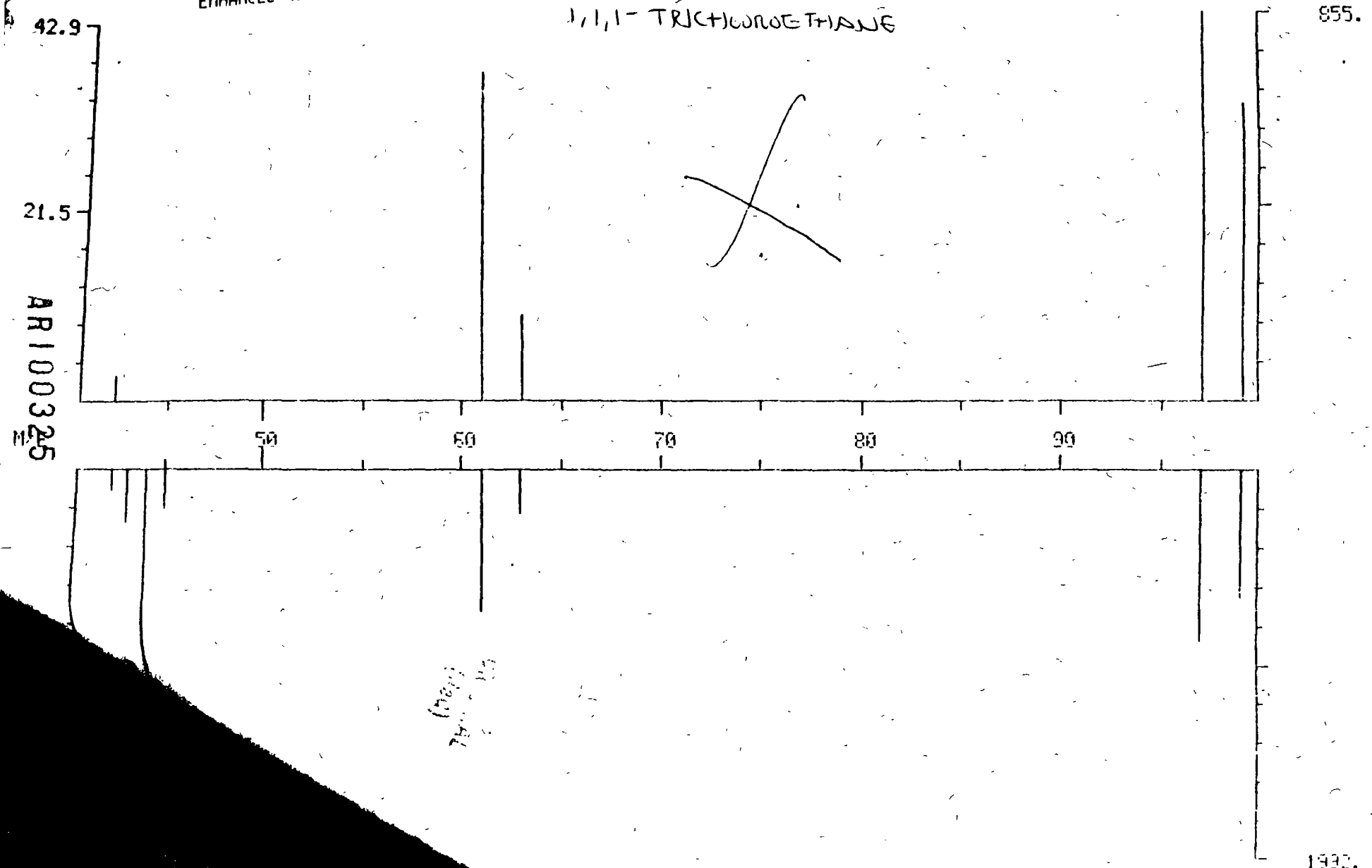
AR100324

DUAL MASS SPECTRUM
11.21.85 20:08:00 + 5:04
SAMPLE: CB886
CONDS.: 5ML
ENHANCED (S 15B 2H 0T)

DATA: 3503NB #152
CALI: FX101085 #1

BASE M E: 97 44
PIC: 2457. 5047.

1,1,1-TRICHLOROETHANE

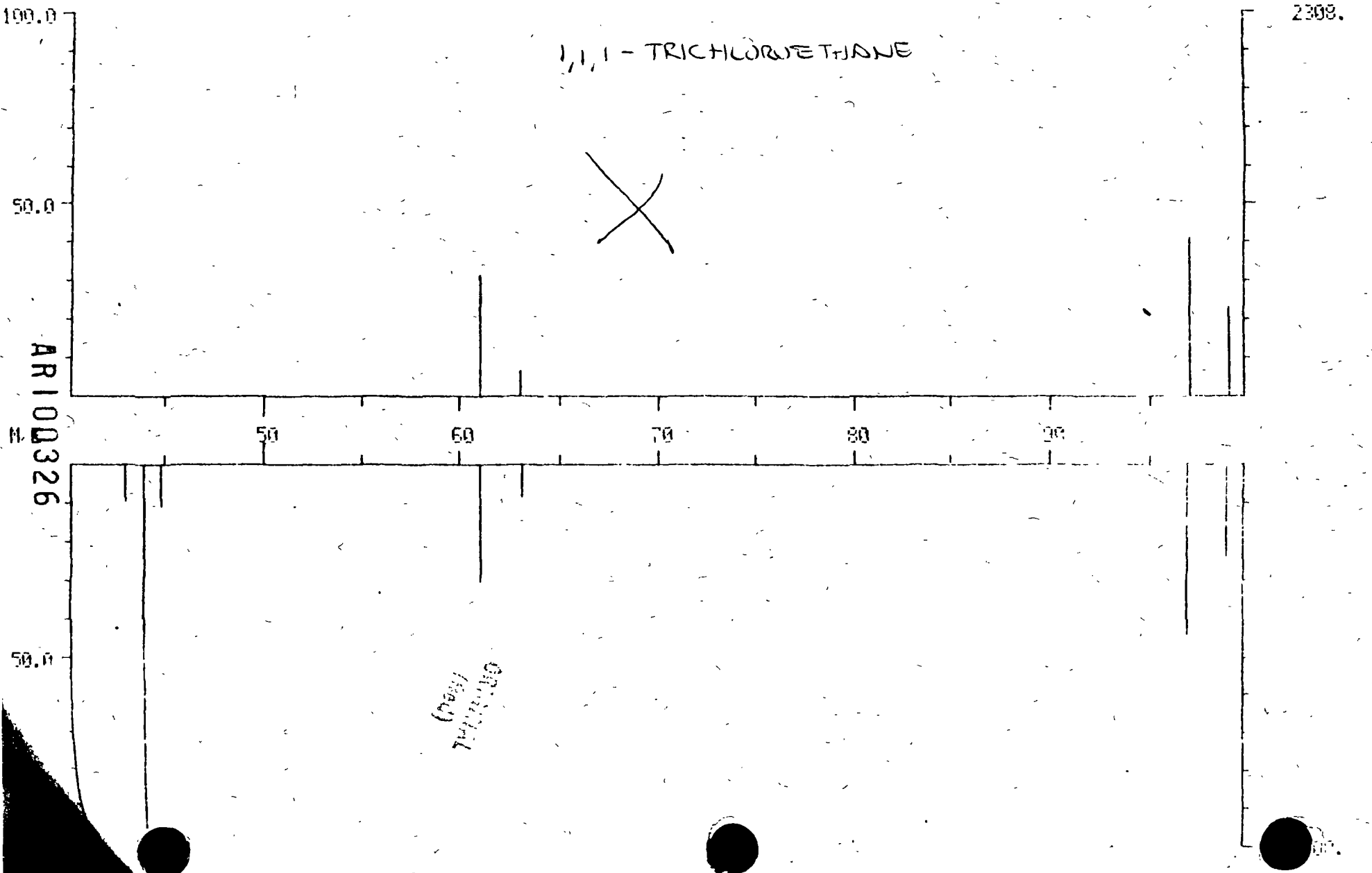


AR100325

DUAL MASS SPECTRUM
11-21-85 20:47:00 + 5:02
SAMPLE: CB887
CONDS.: SHL
ENHANCED (S 15B 2H 0T)

DATA: 3503109 #151
CALI: FX101085 #1

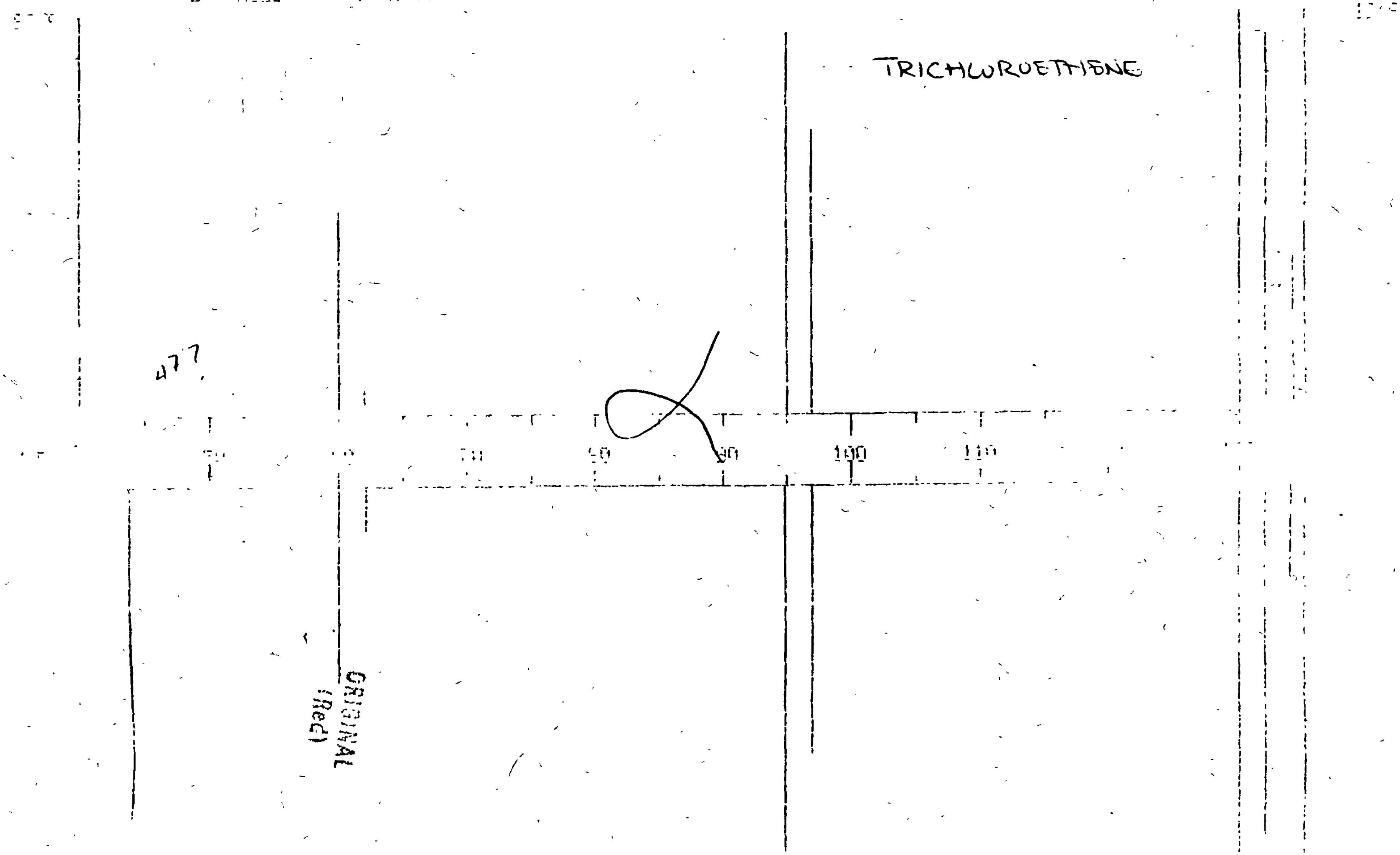
BASE M/E: 97 44
PIC: 2750. 5230.



ARI00326

DUAL MASS SPECTRUM
11 21 87 [illegible] + 7:08
SAMPLE: CE3C1
CONDS.: 5ML
ENHANCED [illegible]

DATA: 2303[illegible] #214
CALI: F[illegible]101635 #1



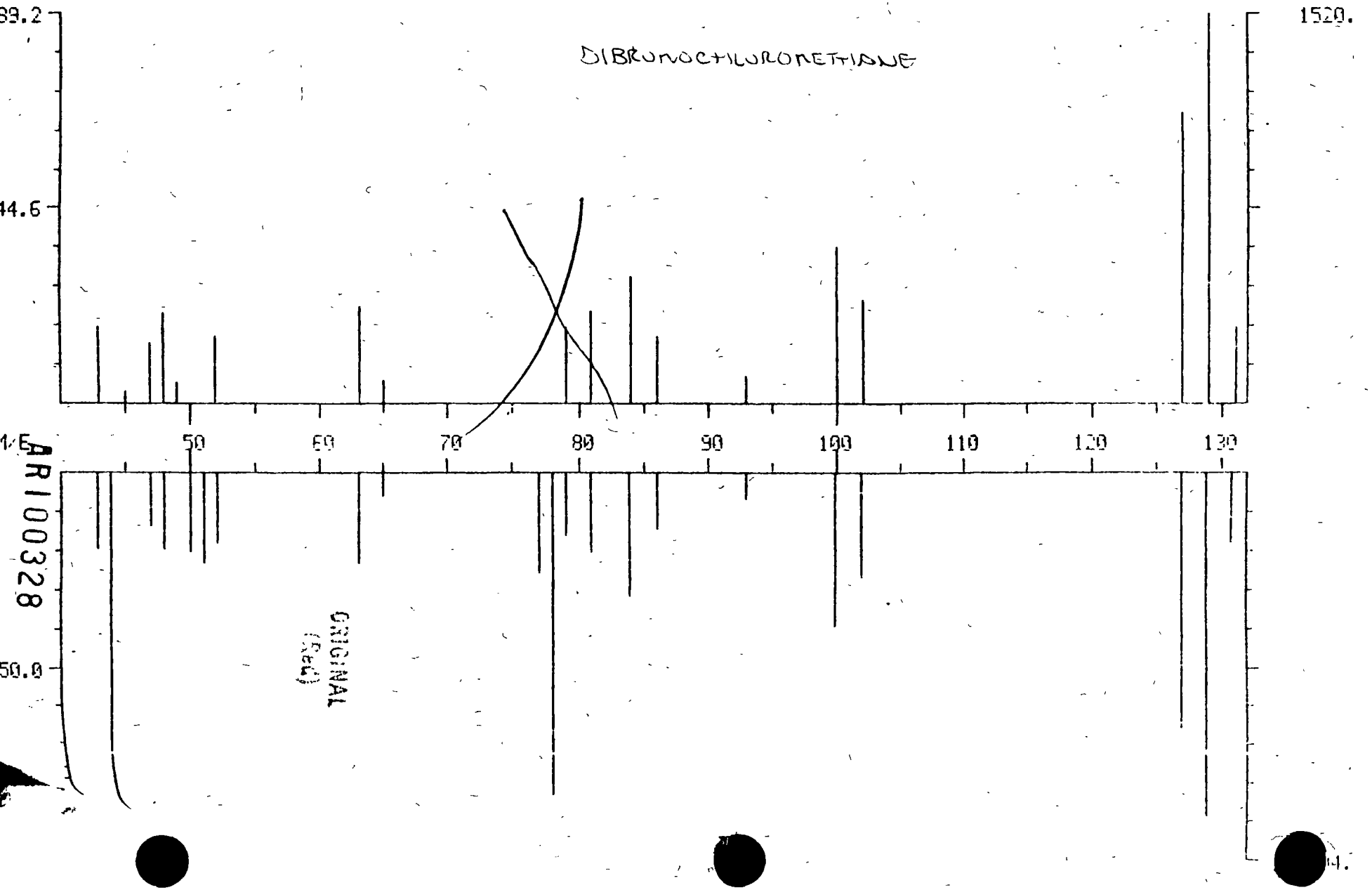
ORIGINAL (Red)

AR100327

DUAL MASS SPECTRUM
11/21/85 6:43:00 + 7:36
SAMPLE: CB873
CONDS.: 5 ML
ENHANCED (S 15B 2N 0T)

DATA: 3593DN7 #228
CALI: FX101085 #1

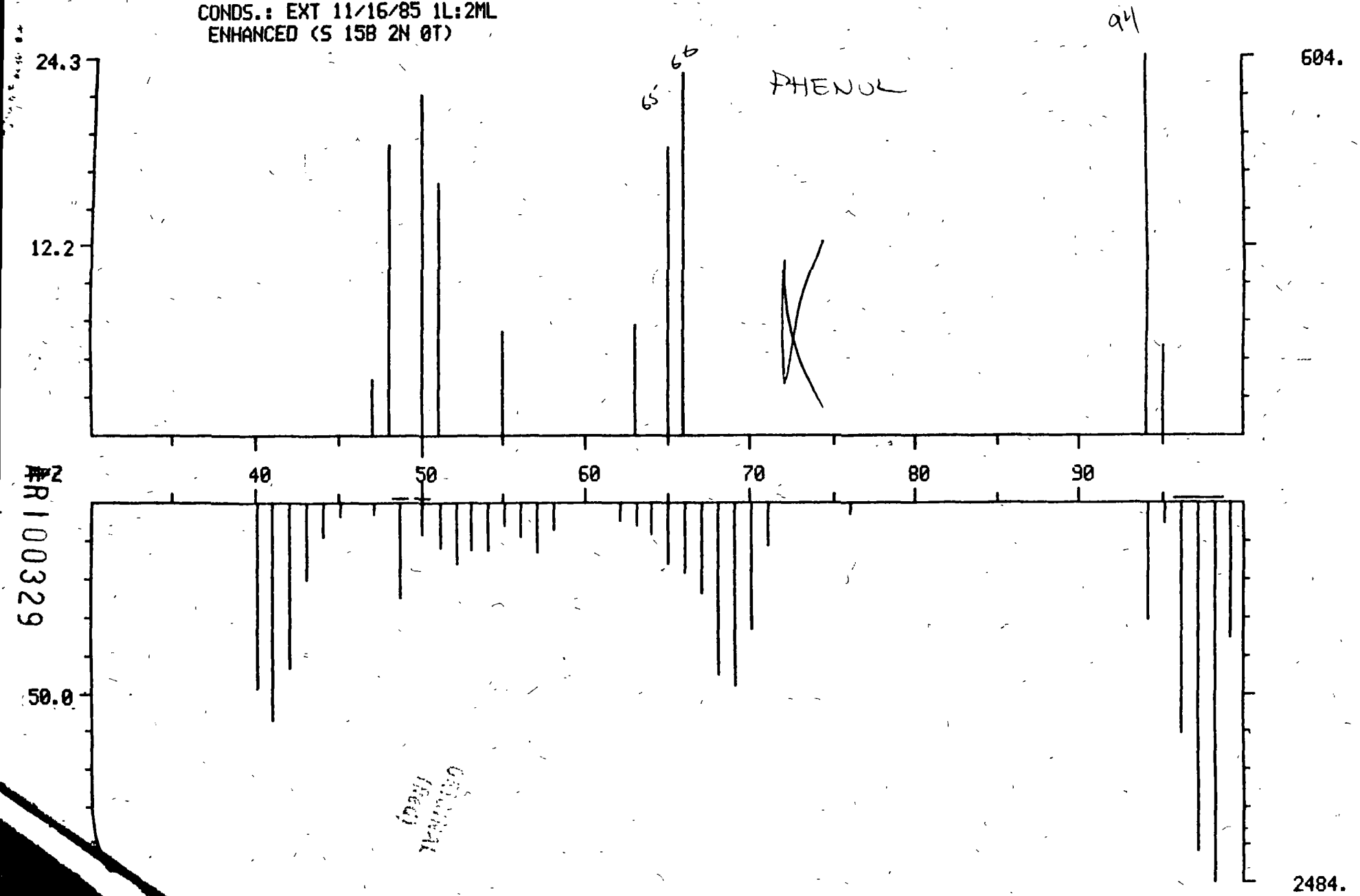
BASE H E: 129 44
PIC: 7215. 11593.



DUAL MASS SPECTRUM
12/11/85 16:04:00 + 9:54
SAMPLE: CB468
CONDS.: EXT 11/16/85 1L:2ML
ENHANCED (S 15B 2N 0T)

DATA: 35029B11 #594
CALI: FR121085 #5

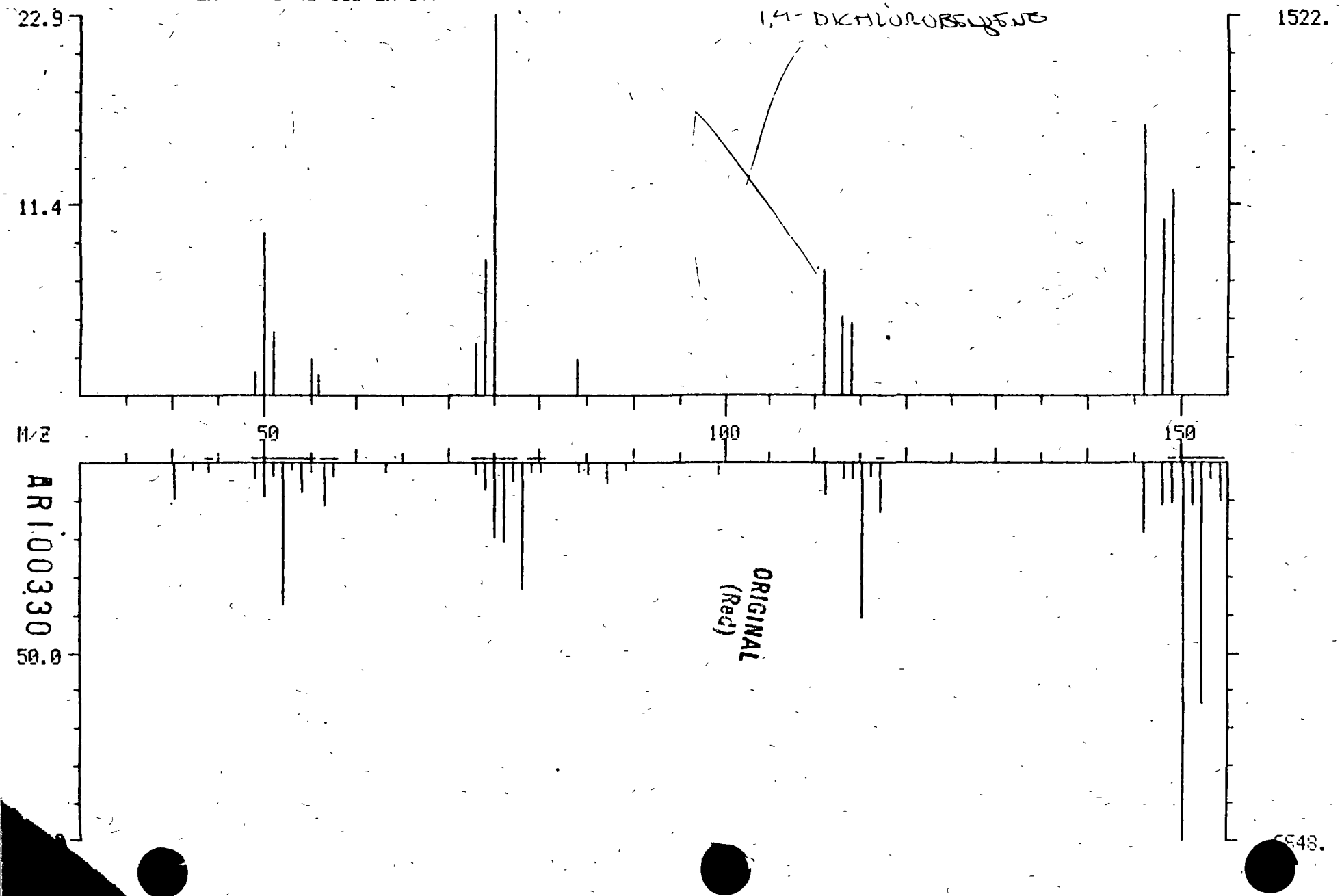
BASE M/Z: 94/ 98
RIC: 3615./ 21023.



DUAL MASS SPECTRUM
12/13/85 12:27:00 + 7:11
SAMPLE: CB886
CONDS.: EXT 11/16/85 1L:2ML
ENHANCED (S 158 2N 0T)

DATA: 35031F13 #431
CALI: FC120585 #1

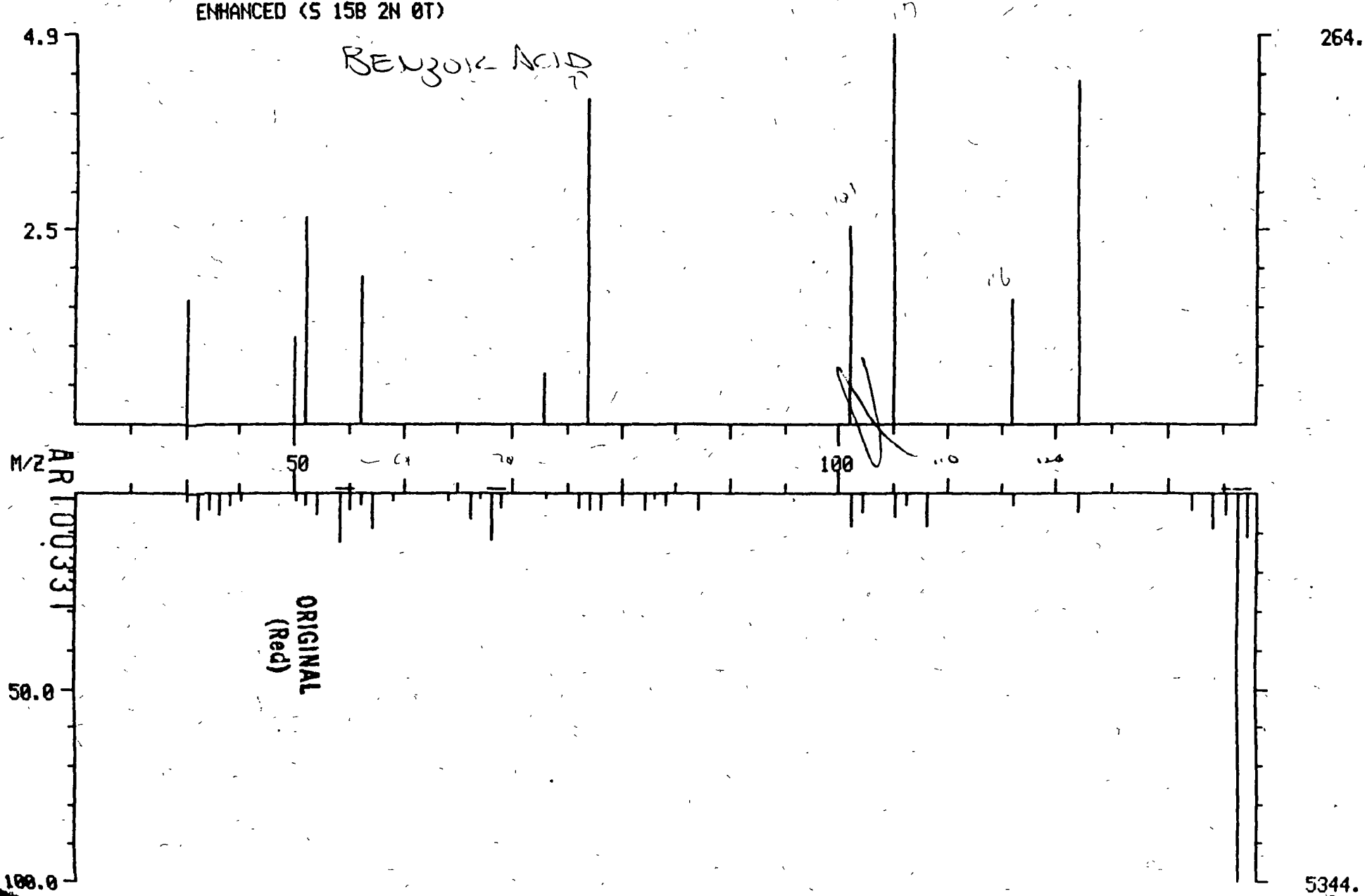
BASE M/Z: 75/ 150
RIC: 7343./ 33727.



DUAL MASS SPECTRUM
12/11/85 19:30:00 + 13:31
SAMPLE: CB467
CONDS.: EXT 11/16/85 1L:2ML::200UL:1ML
ENHANCED (S 15B 2N 0T)

DATA: 35029B15 #811
CALI: FR121085 #5

BASE M/Z: 105/ 136
RIC: 1357./ 15039.



Case #/SAS #: 5215 Laboratory: IT/Cerritos Contract #: 68-01-6962
Level: Low Quality Control Report
Matrix: Water Surrogate Recovery (%)
QC Report #: 6962-2&7 Job #: 35031

SHO TR # (Sample #)	Volatile			Semi-volatile						Pesticide
	T-d8 88-110	BFB 86-115	DCE-d4 76-114	N-d5 35-114	2-Fb 43-116	Tp-d14 33-141	P-d5 10- 94	2-FP 21-100	TBrP 10-123	DiBuCl** 24-154
CB880	101	101	102	Ø*#	42*#	Ø*#	Ø*#	Ø*#	Ø*#	50
CB880MS	NA	→	→	Ø*#	54	55	Ø*#	Ø*#	Ø*#	52
CB880MSD	NA	→	→	Ø*#	68	55	Ø*#	Ø*#	Ø*#	43
CB881	102	100	104	68	61	44	57	55	58	52
CB882	100	102	104	73	63	28*	62	61	64	23*
CB883	100	102	104	92	78	49	10	67	68	50
CB884	100	102	104	75	65	45	64	65	62	82
CB886	100	102	102	82	71	48	66	61	64	80
CB892	100	102	106	61	52	38	73	71	81	100
CB892MS	100	104	106	NA	→	→	NA	→	→	NA
CB892MSD	100	104	108	NA	→	→	NA	→	→	NA
MB Blank222 LS	100	100	100	62	55	36	79	77	87	77
MB 1502-6 LS	NA	→	→	NA	→	→	NA	→	→	70
MB 1502-M LS	NA	→	→	NA	→	→	NA	→	→	110
Recovery Summary	Ø/9	Ø/9	Ø/9	3/9	1/9	2/9	3/9	3/9	3/9	1/9

Comments:

* Values outside QC Limits.
** Advisory Limits Only.
NA - Not Analyzed
NS - Not Spiked
NR - Not Reported
-- Analyzed under another QC Report

Volatiles: Ø out of 30 outside QC Limits
Semi-volatiles: 15 out of 0 outside QC Limits
Pesticides: 1 out of 12 outside QC Limits

Recovery Summary = #'s Outside QC Limits / Total #'s Reported
(Does not include Method Blanks)

ORIGINAL (Red)

Rev 8/85

Sample #: CB463

Laboratory: IT/Cerritos
Lab ID: 319-17
Lab ID for Dil: —
Sample Matrix: Water
Data Release Authorized by: TAR/TAR

Case #/SAS #: 5215
QC Report #: 5962-265
Contract #: 68-01-6962
Date Rec'd: 11-14-95

Organics Analysis Data Sheet
Pesticide/PCB's

ORIGINAL (Rec)

Sample Level: Low
Date Extracted: 11-16-95
Date Analyzed: 11-29-95
Spl->Extract: 1L → 10mL, 1mL → 1mL
For Dilution: —
pH: Not Analyzed
% Moisture:
% Moisture (Decanted):
Lab Std ID: 319-475

ALL RESULTS ARE REPORTED ON WET WEIGHT BASIS.

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

319-84-6	alpha-BHC	0.05U
319-85-7	beta-BHC	
319-86-8	delta-BHC	
58-89-9	gamma-BHC (Lindane)	
76-44-8	Heptachlor	
309-00-2	Aldrin	
1024-57-3	Heptachlor Epoxide	
959-98-8	Endosulfan I	V
60-57-1	Dieldrin	0.1U
72-55-9	4,4'-DDE	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4,4'-DDD	
1031-07-8	Endosulfan Sulfate	
50-29-3	4,4'-DDT	V
72-43-5	Methoxychlor	0.1U
53494-70-5	Endrin Ketone	0.1U
57-74-9	Chlordane	0.5U
8001-35-2	Toxaphene	1U
12674-11-2	Arochlor-1016	0.5U
11104-28-2	Arochlor-1221	
11141-16-5	Arochlor-1232	
53469-21-9	Arochlor-1242	
12672-29-6	Arochlor-1248	V
11097-69-1	Arochlor-1254	1U
11096-82-5	Arochlor-1260	V

U - Analyzed for but not detected (Reported Value is Detection Limit-DL)
J - Estimated Value (0 < Value < DL)
C - Confirmed by GC/MS-GC Quantitation
B - Compound found in Blank. Sample results are not Blank Corrected.
** - Detected below GC/MS DL-GC Quantitation
N - Not Confirmed by GC/MS-GC/MS DL
NA - Not Analyzed
NR - Not Reported

V_i = Volume of extract injected (ul)
V_s = Volume of water extracted (ml)
W_s = Weight of sample extracted (g)
V_t = Volume of total extract (ul)

V_s 1000 ml or
W_s — g
V_t 10,000 ul
V_i 1 ul

Surrogate Spike Recoveries

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

Lab ID	Fraction	Compound	Conc. Sample	Conc. Spiked	% Recovery
319-17	Pest.	Dibutyl Chlorendate	0.43	10	43

* - Asterisked Values are outside QC Limits.
NS - Not Spiked
\# - _____ Recoveries due to Dilution.
s - _____ Recoveries due to Matrix Effects.

Rev 8/85

ORGANICS ANALYSIS DATA SHEET SAMPLE # CB868

Well 2A

LABORATORY	IT/CERR	CASE #/SAS #	5215
LABORATORY ID	35030N6	QC REPORT #	6962-245
MATRIX.	WATER	CONTRACT #	68-01-6962
		DATE RECEIVED	11/14/85

DATA RELEASE AUTHORIZED BY Elizabeth Martinez

VOLATILE COMPOUNDS

LEVEL.	LOW
DATE EXT/PREP	11/20/85
DATE ANALYZED:	11/20/85
SPL-->EXTRACT	1ML. 5ML
PH	Not Analyzed
% MOISTURE (NOT DEC)	
% MOISTURE (DEC.)	
STANDARD ID:	VOA533
SENSITIVITY ID:	BFD479
UNITS.	UG/L

P #	CAS #		CONC	
45V	74-87-3	CHLOROMETHANE	50.	U
6V	74-83-9	BROMOMETHANE	50.	U
8V	75-01-4	VINYL CHLORIDE	50.	U
16V	75-00-3	CHLOROETHANE	50.	U
4V	75-09-2	METHYLENE CHLORIDE	120.	B
3H	67-64-1	ACETONE	50.	U
15H	75-15-0	CARBON DISULFIDE	30	U
29V	75-35-4	1,1-DICHLOROETHENE	33.	
3V	75-34-3	1,1-DICHLOROETHANE	30	U
0V	156-60-5	TRANS-1,2-DICHLOROETHENE	30	U
23V	67-66-3	CHLOROFORM	30.	U
0V	107-06-2	1,2-DICHLOROETHANE	30	U
4H	78-93-3	2-BUTANONE	50	U
11V	71-55-6	1,1,1-TRICHLOROETHANE	270.	
6V	56-23-5	CARBON TETRACHLORIDE	30	U
9H	108-05-4	VINYL ACETATE	50	U
48V	75-27-4	BROMODICHLOROMETHANE	30	U
32V	78-87-5	1,2-DICHLOROPROPANE	30.	U
3VT	10061-02-6	TRANS-1,3-DICHLOROPROPENE	30.	U
7V	79-01-6	TRICHLOROETHENE	85	
51V	124-48-1	CHLORODIBROMOMETHANE	30	U
4V	79-00-5	1,1,2-TRICHLOROETHANE	30	U
4V	71-43-2	BENZENE	30.	U
33VC	10061-01-5	CIS-1,3-DICHLOROPROPENE	30	U
19V	110-75-8	2-CHLOROETHYLVINYL ETHER	50	U
7V	75-25-2	BROMOFORM	30.	U
16H	519-78-6	2-HEXANONE	50	U
17H	108-10-1	4-METHYL-2-PENTANONE	50	U
5V	127-18-4	TETRACHLOROETHENE	13	J
5V	79-34-5	1,1,2,2-TETRACHLOROETHANE	30.	U
86V	108-88-3	TOLUENE	30	U
7V	108-90-7	CHLOROBENZENE	30.	U
3V	100-41-4	ETHYLBENZENE	30.	U
18H	100-42-5	STYRENE	30.	U
20H	95-47-6	TOTAL XYLENES	30.	U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB868

LABORATORY: IT/CERR
[redacted]ORATORY ID: 35030F4
[redacted]RIX: WATER

CASE #/SAS #: 5215
QC REPORT #: 6962-245
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

DATA RELEASE AUTHORIZED BY: Elizabeth Martinez

SEMIVOLATILE COMPOUNDS (PAGE 1)

ORIGINAL (Red)

LEVEL:	LOW	GPC	Y_ N✓
DATE EXT/PREP	11/16/85	SEP. FUNNEL	Y_ N✓
DATE ANALYZED:	12/11/85	CONT. EXT.	Y✓ N_
SPL-->EXTRACT:	1L: 2ML		
PH:	Not Analyzed		
% MOISTURE (NOT DEC.):			
% MOISTURE (DEC.):			
STANDARD ID:	BNAZ450		
SENSITIVITY ID:	SENS853		
UNITS:	UG/L		

PP #	CAS #		CONC
65A	108-95-2	PHENOL	20. U
18B	111-44-4	BIS (2-CHLOROETHYL) ETHER	20. U
24A	95-57-8	2-CHLOROPHENOL	20. U
26B	541-73-1	1,3-DICHLOROBENZENE	20. U
27B	106-46-7	1,4-DICHLOROBENZENE	20. U
[redacted]	100-51-6	BENZYL ALCOHOL	20. U
	95-50-1	1,2-DICHLOROBENZENE	20. U
2H	95-48-7	2-METHYLPHENOL	20. U
42B	39638-32-9	BIS (2-CHLOROISOPROPYL) ETHER	20. U
3H	106-44-5	4-METHYLPHENOL	20. U
63B	621-64-7	N-NITROSO-DI-N-PROPLYAMINE	20 U
12B	67-72-1	HEXACHLOROETHANE	20. U
56B	98-95-3	NITROBENZENE	20. U
54B	78-59-1	ISOPHORONE	20. U
57A	88-75-5	2-NITROPHENOL	20. U
34A	105-67-9	2,4-DIMETHYLPHENOL	20. U
1H	65-85-0	BENZOIC ACID	100. U
43B	111-91-1	BIS (2-CHLOROETHOXY) METHANE	20 U
31A	120-33-2	2,4-DICHLOROPHENOL	20. U
8B	120-82-1	1,2,4-TRICHLOROBENZENE	20. U
55B	91-20-3	NAPHTHALENE	20. U
7H	106-47-8	4-CHLOROANILINE	20. U
52B	87-68-3	HEXACHLOROBUTADIENE	20. U
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	20. U
9H	91-57-6	2-METHYLNAPHTHALENE	20 U
53B	77-47-4	HEXACHLOROCYCLOPENTADIENE	20 U
21A	88-06-2	2,4,6-TRICHLOROPHENOL	20. U
4H	95-95-4	2,4,5-TRICHLOROPHENOL	100. U
20B	91-58-7	2-CHLORONAPHTHALENE	20. U
10H	88-74-4	2-NITROANILINE	100. U
[redacted]	131-11-3	DIMETHYLPHTHALATE	20. U
	208-96-8	ACENAPHTHALENE	20. U
11H	99-09-2	3-NITROANILINE	100. U
1B	83-32-9	ACENAPHTHENE	20. U
59A	51-28-5	2,4-DINITROPHENOL	100. U

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB868

LABORATORY: IT/CERR
LABORATORY ID: 35030F4
MATRIX: WATER

CASE #/SAS #: 5215
QC REPORT #: 6962-245
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

DATA RELEASE AUTHORIZED BY: Elizabeth Martinez

SEMIVOLATILE COMPOUNDS (PAGE 2)

LEVEL:	LOW	GPC	Y_ N✓
DATE EXT/PREP	11/16/85	SEP. FUNNEL	Y_ N✓
DATE ANALYZED:	12/11/85	CONT. EXT.	Y✓ N_
SPL-->EXTRACT	1L: 2ML		
PH:	Not Analyzed		
% MOISTURE (NOT DEC.):			
% MOISTURE (DEC.):			
STANDARD ID:	BNAZ450		
SENSITIVITY ID:	SENS853		
UNITS	UG/L		

PP #	CAS #		CONC
58A	100-02-7	4-NITROPHENOL	100. U
8H	132-64-9	DIBENZOFURAN	20. U
35B	121-14-2	2,4-DINITROTOLUENE	20. U
36B	606-20-2	2,6-DINITROTOLUENE	20. U
70B	84-66-2	DIETHYLPHTHALATE	20. U
40B	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	20. U
30B	86-73-7	FLUORENE	20. U
12H	100-01-6	4-NITROANILINE	100. U
50A	534-52-1	4,6-DINITRO-O-CRESOL	100. U
52B	86-30-6	N-NITROSODIPHENYLAMINE	20. U
41B	101-55-3	4-BROMOPHENOXYBENZENE	20 U
9B	118-74-1	HEXACHLOROBENZENE	20. U
64A	87-86-5	PENTACHLOROPHENOL	100. U
81B	85-01-8	PHENANTHRENE	20 U
78B	120-12-7	ANTHRACENE	20 U
68B	84-74-2	DI-N-BUTYLPHTHALATE	20. U
39B	206-44-0	FLUORANTHENE	20. U
84B	129-00-0	PYRENE	20. U
67B	85-68-7	BUTYLBENZYLPHTHALATE	20. U
28B	91-94-1	3,3'-DICHLOROBENZIDINE	40. U
72B	56-55-3	BENZO (A) ANTHRACENE	20. U
66B	117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	20. U
76B	218-01-9	CHRYSENE	20. U
69B	117-84-0	DI-N-OCTYLPHTHALATE	20 U
74B	205-99-2	BENZO (B & K) FLUORANTHENE	20. U
73B	50-32-8	BENZO (A) PYRENE	20 U
83B	193-39-5	INDENO-1,2,3 (C,D) PYRENE	20 U
82B	53-70-3	DIBENZO (A,H) ANTHRACENE	20. U
79B	191-24-2	BENZO (G,H,I) PERYLENE	20 U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS.

Sample #: CB868

Laboratory: IT/Cerritos
Lab ID: 319-37
Lab ID for Dil: —
Sample Matrix: Water
Data Release Authorized by: TAR/TAR

Case #/SAS #: 5215
QC Report #: ~~6962-245~~

Contract #: 68-01-6962
Date Rec'd: 11-17-85

Elizabeth Martinez

Organics Analysis Data Sheet
Pesticide/PCB's

Sample Level: Low
Date Extracted: 11-15-85
Date Analyzed: 11-27-85
Spl->Extract: 1L → 10ml, 1ml → 5ml
For Dilution: —
pH: Not Analyzed
% Moisture: ↓
% Moisture (Decanted): ↓
Lab Std ID: 319-445

ALL RESULTS ARE REPORTED ON WET WEIGHT BASIS.

		Circle Units: ug/Kg, (ug/L)
319-84-6	alpha-BHC	0.05U
319-85-7	beta-BHC	
319-86-8	delta-BHC	
58-89-9	gamma-BHC (Lindane)	
76-44-8	Heptachlor	
309-00-2	Aldrin	
1024-57-3	Heptachlor Epoxide	
959-98-8	Endosulfan I	↓
60-57-1	Dieldrin	0.1U
72-55-9	4,4'-DDE	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4,4'-DDD	
1031-07-8	Endosulfan Sulfate	
50-29-3	4,4'-DDT	↓
72-43-5	Methoxychlor	0.5U
53494-70-5	Endrin Ketone	0.1U
57-74-9	Chlordane	0.5U
8001-35-2	Toxaphene	1U
12674-11-2	Arochlor-1016	0.5U
11104-28-2	Arochlor-1221	
11141-16-5	Arochlor-1232	
53469-21-9	Arochlor-1242	
12672-29-6	Arochlor-1248	↓
11097-69-1	Arochlor-1254	1U
11096-82-5	Arochlor-1260	↓

U - Analyzed for but not detected (Reported Value is Detection Limit-DL)
J - Estimated Value (0 < Value < DL)
C - Confirmed by GC/MS-GC Quantitation
B - Compound found in Blank. Sample results are not Blank Corrected.
** - Detected below GC/MS DL-GC Quantitation
N - Not Confirmed by GC/MS-GC/MS DL
NA - Not Analyzed
NR - Not Reported

V_i = Volume of extract injected (ul)
V_s = Volume of water extracted (ml)
W_s = Weight of sample extracted (g)
V_t = Volume of total extract (ul)

V_s 1000 ml or
W_s — g
V_t 10,000 ul
V_i 5 ul

Surrogate Spike Recoveries — Circle Units: ug/Kg, (ug/L)

Lab ID	Fraction	Compound	Conc. Sample	Conc. Spiked	% Recovery
319-37	Pest.	Dibutyl Chlorendate	0.10	1.0	10 *

* - Asterisked Values are outside QC Limits.
NS - Not Spiked
- _____ Recoveries due to Dilution.
@ - _____ Recoveries due to Matrix Effects.

Rev 8/85

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB868RE

LABORATORY	IT/CERR	CASE #/SAS #	5215
LABORATORY ID	35030AB6	QC REPORT #	6962-245
MATRIX	WATER	CONTRACT #	68-01-6962
		DATE RECEIVED	11/14/85

DATA RELEASE AUTHORIZED BY Cheryl Lusini

SEMIVOLATILE COMPOUNDS (PAGE 1)

ORIGINAL

LEVEL	LOW	GPC	Y_ N✓
DATE EXT/PREP	12/17/85	SEP FUNNEL	Y_ N✓
DATE ANALYZED	01/10/86	CONT EXT.	Y✓ N_
SPL-->EXTRACT	1L 2ML		
PH.	NA		
% MOISTURE (NOT DEC)			
% MOISTURE (DEC)			
STANDARD ID	BNA864		
SENSITIVITY ID	FSS577		
UNITS	UG/L		

Sample Originally Extracted: 11/16/85
Re-Extracted Due To:
low base/Neutral Surrogate

I.D. #	CAS #		CONC
63A	108-95-2	PHENOL	20 U
3B	111-44-4	BIS (2-CHLOROETHYL) ETHER	20. U
24A	95-57-8	2-CHLOROPHENOL	20. U
26B	541-73-1	1,3-DICHLOROBENZENE	20 U
27B	106-46-7	1,4-DICHLOROBENZENE	20. U
6H	100-51-6	BENZYL ALCOHOL	20. U
25B	95-50-1	1,2-DICHLOROBENZENE	20. U
2H	95-48-7	2-METHYLPHENOL	20 U
2B	39638-32-9	BIS (2-CHLOROISOPROPYL) ETHER	20 U
3H	106-44-5	4-METHYLPHENOL	20. U
43B	621-64-7	N-NITROSO-DI-N-PROPLYAMINE	20. U
2B	67-72-1	HEXACHLOROETHANE	20 U
56B	98-95-3	NITROBENZENE	20. U
54B	78-59-1	ISOPHORONE	20 U
7A	88-75-5	2-NITROPHENOL	20 U
14A	105-67-9	2,4-DIMETHYLPHENOL	20 U
1H	65-85-0	BENZOIC ACID	100 U
3B	111-91-1	BIS (2-CHLOROETHOXY) METHANE	20 U
1A	120-83-2	2,4-DICHLOROPHENOL	20 U
8B	120-82-1	1,2,4-TRICHLOROBENZENE	20. U
55B	91-20-3	NAPHTHALENE	20. U
7H	106-47-8	4-CHLOROANILINE	20. U
52B	87-68-3	HEXACHLOROBUTADIENE	20 U
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	20. U
2H	91-57-6	2-METHYLNAPHTHALENE	20 U
3B	77-47-4	HEXACHLOROCYCLOPENTADIENE	20 U
21A	88-06-2	2,4,6-TRICHLOROPHENOL	20 U
4H	95-95-4	2,4,5-TRICHLOROPHENOL	100 U
3B	91-58-7	2-CHLORONAPHTHALENE	20 U
10H	88-74-4	2-NITROANILINE	100 U
71B	131-11-3	DIMETHYLPHTHALATE	20 U
7B	208-96-8	ACENAPHTHALENE	20. U
11H	99-09-2	3-NITROANILINE	100. U
1B	83-32-9	ACENAPHTHENE	20 U
9A	51-28-5	2,4-DINITROPHENOL	100 U

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB868RE

LABORATORY	IT/CERR	CASE #/SAS #:	5215
LABORATORY ID	35030A86	QC REPORT #	6962-245
MATRIX:	WATER	CONTRACT #	68-01-6962
		DATE RECEIVED	11/14/85

DATA RELEASE AUTHORIZED BY Cheryl Wurst

SEMIVOLATILE COMPOUNDS (PAGE 2)

LEVEL	LOW	GPC	Y_ N✓
DATE EXT/PREP	12/17/85	SEP FUNNEL	Y_ N✓
DATE ANALYZED	01/10/86	CONT. EXT.	Y✓ N_
SPL-->EXTRACT	1L. 2ML		
PH:	NA		
% MOISTURE (NOT DEC).			
% MOISTURE (DEC)			
STANDARD ID	BNA864		
SENSITIVITY ID	FSS577		
UNITS	UG/L		

Sample Originally Extracted: 11/16/85

Re-Extracted Due To: low Base/Neutral Surrogates

LAP #	CAS #		CONC
3A	100-02-7	4-NITROPHENOL	100. U
3H	132-64-9	DIBENZOFURAN	20. U
35B	121-14-2	2,4-DINITROTOLUENE	20 U
36B	606-20-2	2,6-DINITROTOLUENE	20 U
[redacted]	84-66-2	DIETHYLPHTHALATE	20 U
40B	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	20 U
80B	86-73-7	FLUORENE	20 U
2H	100-01-6	4-NITROANILINE	100 U
50A	534-52-1	4,6-DINITRO-O-CRESOL	100 U
62B	86-30-6	N-NITROSODIPHENYLAMINE	20 U
1B	101-55-3	4-BROMOPHENOXYBENZENE	20 U
9B	118-74-1	HEXACHLOROBENZENE	20 U
64A	87-86-5	PENTACHLOROPHENOL	100 U
81B	85-01-8	PHENANTHRENE	20 U
3B	120-12-7	ANTHRACENE	20 U
68B	84-74-2	DI-N-BUTYLPHTHALATE	20 U
39B	206-44-0	FLUORANTHENE	20 U
4B	129-00-0	PYRENE	20 U
7B	85-68-7	BUTYLBENZYLPHTHALATE	20. U
28B	91-94-1	3,3'-DICHLOROBENZIDINE	40 U
2B	56-55-3	BENZO (A) ANTHRACENE	20 U
5B	117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	20 U
76B	218-01-9	CHRYSENE	20 U
49B	117-84-0	DI-N-OCTYLPHTHALATE	20 U
4B	205-99-2	BENZO (B & K) FLUORANTHENE	20 U
33	50-32-8	BENZO (A) PYRENE	20 U
83B	193-39-5	INDENO-1,2,3 (C,D) PYRENE	20 U
2B	53-70-3	DIBENZO (A,H) ANTHRACENE	20 U
9B	191-24-2	BENZO (G,H,I) PERYLENE	20 U

[redacted] RESULTS ARE REPORTED ON A WET WEIGHT BASIS

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB464

LABORATORY: IT/CERR
LABORATORY ID: 35029N2
MATRIX: WATER

CASE #/SAS #: 5215
QC REPORT #: 6962-245
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

Wells

DATA RELEASE AUTHORIZED BY:

VOLATILE COMPOUNDS

ORIGINAL (Red)

LEVEL:	LOW
DATE EXT/PREP.	11/20/85
DATE ANALYZED:	11/20/85
SPL-->EXTRACT.	5ML
PH:	Not Analyzed
% MOISTURE (NOT DEC.)	
% MOISTURE (DEC.):	
STANDARD ID:	VOA532
SENSITIVITY ID:	BFD478
UNITS.	UG/L

PI #	CAS #		CONC
4 /	74-87-3	CHLOROMETHANE	10. U
4 /	74-83-9	BROMOMETHANE	10 U
38V	75-01-4	VINYL CHLORIDE	10. U
16V	75-00-3	CHLOROETHANE	10. U
4 /	75-09-2	METHYLENE CHLORIDE	20. B
1 H	67-64-1	ACETONE	2. JB
15H	75-15-0	CARBON DISULFIDE	5 U
2 /	75-35-4	1,1-DICHLOROETHENE	2. J
1 /	75-34-3	1,1-DICHLOROETHANE	5 U
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	5. U
2 V	67-66-3	CHLOROFORM	5. U
1 /	107-06-2	1,2-DICHLOROETHANE	5. U
14H	78-93-3	2-BUTANONE	10. U
11V	71-55-6	1,1,1-TRICHLOROETHANE	6.
/	56-23-5	CARBON TETRACHLORIDE	5 U
1 H	108-05-4	VINYL ACETATE	10 U
48V	75-27-4	BROMODICHLOROMETHANE	5. U
3 /	78-87-5	1,2-DICHLOROPROPANE	5. U
3 VT	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5. U
87V	79-01-6	TRICHLOROETHENE	5. U
5 V	124-48-1	CHLORODIBROMOMETHANE	5 U
1 V	79-00-5	1,1,2-TRICHLOROETHANE	5. U
4V	71-43-2	BENZENE	5. U
33VC	10061-01-5	CIS-1,3-DICHLOROPROPENE	5. U
1 V	110-75-8	2-CHLOROETHYLVINYL ETHER	10. U
4 V	75-25-2	BROMOFORM	5 U
16H	519-78-6	2-HEXANONE	10. U
1 H	108-10-1	4-METHYL-2-PENTANONE	10 U
8 V	127-18-4	TETRACHLOROETHENE	5. U
15V	79-34-5	1,1,2,2-TETRACHLOROETHANE	5 U
84V	108-88-3	TOLUENE	5 U
V	108-90-7	CHLOROBENZENE	5 U
36V	100-41-4	ETHYLBENZENE	5 U
18H	100-42-5	STYRENE	5 U
E H	95-47-6	TOTAL XYLENES	5. U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS

AR100340

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB464

L[redacted]ATORY: IT/CERR
[redacted]ATORY ID: 3502989
MATRIX: WATER

CASE #/SAS #: 5215
QC REPORT #: 6962-245
CONTRACT #: 68-01-6962
DATE RECEIVED 11/14/85

DATA RELEASE AUTHORIZED BY:

SEMIVOLATILE COMPOUNDS (PAGE 1)

LEVEL:	LOW	GPC	Y_	N X
DATE EXT/PREP:	11/16/85	SEP. FUNNEL	Y_	N X
DATE ANALYZED:	12/11/85	CONT. EXT.	Y X	N_
SPL-->EXTRACT:	1L: 2ML--500UL: 1ML			
PH:	Not Analyzed			
% MOISTURE (NOT DEC.):				
% MOISTURE (DEC.):				
STANDARD ID:	BNA814			
SENSITIVITY ID:	FSS542			
UNITS:	UG/L			

ORIGINAL (Red)

#	CAS #		CONC
65A	108-95-2	PHENOL	40. U
3B	111-44-4	BIS (2-CHLOROETHYL) ETHER	40. U
4A	95-57-8	2-CHLOROPHENOL	40. U
26B	541-73-1	1,3-DICHLOROBENZENE	40. U
[redacted]	106-46-7	1,4-DICHLOROBENZENE	40. U
[redacted]	100-51-6	BENZYL ALCOHOL	40. U
25B	95-50-1	1,2-DICHLOROBENZENE	40. U
2H	95-48-7	2-METHYLPHENOL	40. U
2B	39638-32-9	BIS (2-CHLOROISOPROPYL) ETHER	40. U
3H	106-44-5	4-METHYLPHENOL	40. U
63B	621-64-7	N-NITROSO-DI-N-PROPLYAMINE	40. U
2B	67-72-1	HEXACHLOROETHANE	40. U
6B	98-95-3	NITROBENZENE	40. U
54B	78-59-1	ISOPHORONE	40. U
7A	88-75-5	2-NITROPHENOL	40. U
4A	105-67-9	2,4-DIMETHYLPHENOL	40. U
1H	65-85-0	BENZOIC ACID	200. U
43B	111-91-1	BIS (2-CHLOROETHOXY) METHANE	40. U
1A	120-33-2	2,4-DICHLOROPHENOL	40. U
8B	120-82-1	1,2,4-TRICHLOROBENZENE	40. U
55B	91-20-3	NAPHTHALENE	40. U
7H	106-47-8	4-CHLOROANILINE	40. U
2B	87-68-3	HEXACHLOROBUTADIENE	40. U
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	40. U
7H	91-57-6	2-METHYLNAPHTHALENE	40. U
3B	77-47-4	HEXACHLOROCYCLOPENTADIENE	40. U
21A	88-06-2	2,4,6-TRICHLOROPHENOL	40. U
4H	95-95-4	2,4,5-TRICHLOROPHENOL	200. U
0B	91-58-7	2-CHLORONAPHTHALENE	40. U
[redacted]	88-74-4	2-NITROANILINE	200. U
[redacted]	131-11-3	DIMETHYLPHTHALATE	40. U
7B	208-96-8	ACENAPHTHALENE	40. U
1H	99-09-2	3-NITROANILINE	200. U
1B	83-32-9	ACENAPHTHENE	40. U
59A	51-28-5	2,4-DINITROPHENOL	200. U

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB464

LABORATORY: IT/CERR
LABORATORY ID: 3502989
MATRIX: WATER

CASE #/SAS #: 5215
QC REPORT #: 6962-245
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

DATA RELEASE AUTHORIZED BY:

SEMIVOLATILE COMPOUNDS (PAGE 2)

LEVEL:	LOW	GPC	Y_ N X
DATE EXT/PREP:	11/16/85	SEP. FUNNEL	Y_ N X
DATE ANALYZED:	12/11/85	CONT. EXT.	Y X N_
SPL-->EXTRACT:	1L:2ML--500UL:1ML		
PH:	Not Analyzed		
% MOISTURE (NOT DEC.):			
% MOISTURE (DEC.):			
STANDARD ID:	BNA814		
SENSITIVITY ID:	FSS542		
UNITS:	UG/L		

ORIGINAL (Red)

PP #	CAS #		CONC
8A	100-02-7	4-NITROPHENOL	200. U
8H	132-64-9	DIBENZOFURAN	40. U
35B	121-14-2	2,4-DINITROTOLUENE	40. U
36B	606-20-2	2,6-DINITROTOLUENE	40. U
70B	84-66-2	DIETHYLPHTHALATE	40. U
40B	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	40. U
90B	86-73-7	FLUORENE	40. U
12H	100-01-6	4-NITROANILINE	200. U
60A	534-52-1	4,6-DINITRO-O-CRESOL	200. U
62B	86-30-6	N-NITROSODIPHENYLAMINE	8. JB
41B	101-55-3	4-BROMOPHENOXYBENZENE	40. U
9B	118-74-1	HEXACHLOROBENZENE	40. U
64A	87-86-5	PENTACHLOROPHENOL	200. U
81B	85-01-8	PHENANTHRENE	40. U
78B	120-12-7	ANTHRACENE	40. U
68B	84-74-2	DI-N-BUTYLPHTHALATE	40. U
39B	206-44-0	FLUORANTHENE	40. U
84B	129-00-0	PYRENE	40. U
67B	85-68-7	BUTYLBENZYLPHTHALATE	40. U
28B	91-94-1	3,3'-DICHLOROBENZIDINE	80. U
72B	56-55-3	BENZO (A) ANTHRACENE	40. U
66B	117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	130.
76B	218-01-9	CHRYSENE	40. U
69B	117-84-0	DI-N-OCTYLPHTHALATE	40. U
74B	205-99-2	BENZO (B & K) FLUORANTHENE	40. U
73B	50-32-8	BENZO (A) PYRENE	40. U
83B	193-39-5	INDENO-1,2,3 (C,D) PYRENE	40. U
82B	53-70-3	DIBENZO (A,H) ANTHRACENE	40. U
79B	191-24-2	BENZO (G,H,I) PERYLENE	40. U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS.

Sample #: CR464

Laboratory: IT/Cerritos
Lab ID: 319-18
Lab ID for Dil:
Sample Matrix: Water
Data Release Authorized by: TAR/TAR

Case #/SAS #: 5215
QC Report #: 6962-245
Contract #: 68-01-6962
Date Rec'd: 11-17-88

Organics Analysis Data Sheet
Pesticide/PCB's

Sample Level: Low
Date Extracted: 11-17-88
Date Analyzed: 11-22-88
Spl->Extract: 1L → 10mL, 1mL → 1mL
For Dilution:
pH: Not Analyzed
% Moisture:
% Moisture (Decanted):
Lab Std ID: 319-44S

ALL RESULTS ARE REPORTED ON WET WEIGHT BASIS.

ORIGINAL (Red)

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

319-84-6	alpha-BHC	0.05U
319-85-7	beta-BHC	
319-86-8	delta-BHC	
58-89-9	gamma-BHC (Lindane)	
76-44-8	Heptachlor	
309-00-2	Aldrin	
1024-57-3	Heptachlor Epoxide	
959-98-8	Endosulfan I	V
60-57-1	Dieldrin	0.1U
72-55-9	4,4'-DDE	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4,4'-DDD	
1031-07-8	Endosulfan Sulfate	
50-29-3	4,4'-DDT	V
72-43-5	Methoxychlor	0.5U
53494-70-5	Endrin Ketone	0.1U
57-74-9	Chlordane	0.5U
8001-35-2	Toxaphene	1U
12674-11-2	Arochlor-1016	0.5U
11104-28-2	Arochlor-1221	
11141-16-5	Arochlor-1232	
53469-21-9	Arochlor-1242	
12672-29-6	Arochlor-1248	V
11097-69-1	Arochlor-1254	1U
11096-82-5	Arochlor-1260	V

U - Analyzed for but not detected (Reported Value is Detection Limit-DL)
J - Estimated Value (0 < Value < DL)
C - Confirmed by GC/MS-GC Quantitation
B - Compound found in Blank. Sample results are not Blank Corrected.
** - Detected below GC/MS DL-GC Quantitation
N - Not Confirmed by GC/MS-GC/MS DL
NA - Not Analyzed
NR - Not Reported

V_i = Volume of extract injected (ul)
V_s = Volume of water extracted (ml)
W_s = Weight of sample extracted (g)
V_t = Volume of total extract (ul)

V_s 1000 ml or
W_s ____ g
V_t 10,000 ul
V_i 1 ul

Surrogate Spike Recoveries

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

Lab ID	Fraction	Compound	Conc. Sample	Conc. Spiked	% Recovery
319-18	Pest.	Dibutyl Chlorendate	0.69	1.0	69

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

NS - Not Spiked

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ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB468

LABORATORY IT/CERR
LABORATORY ID 35029N8
M TRIX WATER

CASE #/SAS # 5215
QC REPORT # 6962-245
CONTRACT # 68-01-6962
DATE RECEIVED 11/14/85

Onsite well

DATA RELEASE AUTHORIZED BY:

VOLATILE COMPOUNDS

LEVEL	LOW
DATE EXT/PREP	11/20/85
DATE ANALYZED	11/20/85
SPL-->EXTRACT	1ML 5ML
PH:	Not Analyzed
% MOISTURE (NOT DEC.)	
% MOISTURE (DEC.):	
STANDARD ID.	VOA532
SENSITIVITY ID.	BFD478
UNITS:	UG/L

ORIGINAL (Red)

Fr #	CAS #		CONC
4 V	74-87-3	CHLOROMETHANE	50. U
4 V	74-83-9	BROMOMETHANE	50. U
88V	75-01-4	VINYL CHLORIDE	50. U
1 V	75-00-3	CHLOROETHANE	50. U
4 V	75-09-2	METHYLENE CHLORIDE	280. B
13H	67-64-1	ACETONE	16. JB
15H	75-15-0	CARBON DISULFIDE	30. U
2 V	75-35-4	1,1-DICHLOROETHENE	54.
13V	75-34-3	1,1-DICHLOROETHANE	30. U
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	11. J
3V	67-66-3	CHLOROFORM	30. U
0V	107-06-2	1,2-DICHLOROETHANE	30. U
14H	78-93-3	2-BUTANONE	50. U
1V	71-55-6	1,1,1-TRICHLOROETHANE	210.
5V	56-23-5	CARBON TETRACHLORIDE	30 U
19H	108-05-4	VINYL ACETATE	50 U
48V	75-27-4	BROMODICHLOROMETHANE	30 U
2V	78-87-5	1,2-DICHLOROPROPANE	30. U
3VT	10061-02-6	TRANS-1,3-DICHLOROPROPENE	30. U
87V	79-01-6	TRICHLOROETHENE	570
1V	124-48-1	CHLORODIBROMOMETHANE	30 U
4V	79-00-5	1,1,2-TRICHLOROETHANE	30 U
4V	71-43-2	BENZENE	30. U
3VC	10061-01-5	CIS-1,3-DICHLOROPROPENE	30 U
9V	110-75-8	2-CHLOROETHYLVINYL ETHER	50 U
47V	75-25-2	BROMOFORM	30. U
16H	519-78-6	2-HEXANONE	50 U
7H	108-10-1	4-METHYL-2-PENTANONE	50. U
5V	127-18-4	TETRACHLOROETHENE	10 J
15V	79-34-5	1,1,2,2-TETRACHLOROETHANE	30 U
6V	108-88-3	TOLUENE	30 U
7V	108-90-7	CHLOROBENZENE	30. U
38V	100-41-4	ETHYLBENZENE	30. U
18H	100-42-5	STYRENE	30. U
0H	95-47-6	TOTAL XYLENES	30. U

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ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS.

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB468

LABORATORY: IT/CERR
LABORATORY ID: 35029B11
MATRIX: WATER

CASE #/SAS #: 5215
QC REPORT #: ~~562-248~~
CONTRACT #: 68-01-6962
DATE RECEIVED 11/14/85

DATA RELEASE AUTHORIZED BY:

SEMIVOLATILE COMPOUNDS (PAGE 1)

LEVEL.	LOW	GPC	Y_ N X
DATE EXT/PREP	11/16/85	SEP FUNNEL	Y_ N X
DATE ANALYZED:	12/11/85	CONT. EXT.	Y X N_
SPL-->EXTRACT:	1L:2ML		
PH:	Not Analyzed		
% MOISTURE (NOT DEC.):			
% MOISTURE (DEC.):			
STANDARD ID:	BNA814		
SENSITIVITY ID:	FSS542		
UNITS:	UG/L		

ORIGINAL (Red)

P #	CAS #		CONC
5A	108-95-2	PHENOL	20. U
3B	111-44-4	BIS (2-CHLOROETHYL) ETHER	20. U
24A	95-57-8	2-CHLOROPHENOL	20. U
26B	541-73-1	1,3-DICHLOROBENZENE	20. U
[redacted]	106-46-7	1,4-DICHLOROBENZENE	20. U
[redacted]	100-51-6	BENZYL ALCOHOL	20. U
25B	95-50-1	1,2-DICHLOROBENZENE	20. U
2H	95-48-7	2-METHYLPHENOL	20. U
2B	39638-32-9	BIS (2-CHLOROISOPROPYL) ETHER	20. U
3H	106-44-5	4-METHYLPHENOL	20. U
43B	621-64-7	N-NITROSO-DI-N-PROPLYAMINE	20. U
2B	67-72-1	HEXACHLOROETHANE	20. U
36B	98-95-3	NITROBENZENE	20. U
54B	78-59-1	ISOPHORONE	20. U
7A	88-75-5	2-NITROPHENOL	20. U
4A	105-67-9	2,4-DIMETHYLPHENOL	20. U
1H	65-85-0	BENZOIC ACID	9. J
3B	111-91-1	BIS (2-CHLOROETHOXY) METHANE	20. U
1A	120-33-2	2,4-DICHLOROPHENOL	20. U
8B	120-82-1	1,2,4-TRICHLOROBENZENE	20. U
55B	91-20-3	NAPHTHALENE	20. U
7H	106-47-8	4-CHLOROANILINE	20. U
32B	87-68-3	HEXACHLOROBUTADIENE	20. U
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	20. U
9H	91-57-6	2-METHYLNAPHTHALENE	20. U
3B	77-47-4	HEXACHLOROCYCLOPENTADIENE	20. U
21A	88-06-2	2,4,6-TRICHLOROPHENOL	20. U
4H	95-95-4	2,4,5-TRICHLOROPHENOL	100. U
0B	91-58-7	2-CHLORONAPHTHALENE	20. U
10	88-74-4	2-NITROANILINE	100. U
7	131-11-3	DIMETHYLPHTHALATE	20. U
7B	208-96-8	ACENAPHTHALENE	20. U
1H	99-09-2	3-NITROANILINE	100. U
1B	83-32-9	ACENAPHTHENE	20. U
9A	51-28-5	2,4-DINITROPHENOL	100. U

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB468

LABORATORY: IT/CERR
LABORATORY ID: 35029B11
MATRIX: WATER

CASE #/SAS #: 5215
QC REPORT #: 6962-245
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

DATA RELEASE AUTHORIZED BY:

SEMIVOLATILE COMPOUNDS (PAGE 2)

LEVEL:	LOW	GPC	Y_ N X
DATE EXT/PREP:	11/16/85	SEP. FUNNEL	Y_ N X
DATE ANALYZED:	12/11/85	CONT. EXT.	Y X N_
SPL-->EXTRACT:	1L: 2ML		
PH:	Not Analyzed		
% MOISTURE (NOT DEC.):			
% MOISTURE (DEC.):			
STANDARD ID:	BNA814		
SENSITIVITY ID:	FSS542		
UNITS:	UG/L		

ORIGINAL (Red)

PP #	CAS #		CONC
58A	100-02-7	4-NITROPHENOL	100. U
8H	132-64-9	DIBENZOFURAN	20. U
35B	121-14-2	2, 4-DINITROTOLUENE	20. U
36B	606-20-2	2, 6-DINITROTOLUENE	20. U
70B	84-66-2	DIETHYLPHTHALATE	20. U
40B	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	20. U
80B	86-73-7	FLUORENE	20. U
12H	100-01-6	4-NITROANILINE	100. U
60A	534-52-1	4, 6-DINITRO-O-CRESOL	100. U
62B	86-30-6	N-NITROSODIPHENYLAMINE	20. U
41B	101-55-3	4-BROMOPHENOXYBENZENE	20. U
9B	118-74-1	HEXACHLOROBENZENE	20. U
54A	87-86-5	PENTACHLOROPHENOL	100. U
31B	85-01-8	PHENANTHRENE	20. U
78B	120-12-7	ANTHRACENE	20. U
68B	84-74-2	DI-N-BUTYLPHTHALATE	20. U
39B	206-44-0	FLUORANTHENE	20. U
84B	129-00-0	PYRENE	20. U
47B	85-68-7	BUTYLBENZYLPHTHALATE	20. U
28B	91-94-1	3, 3'-DICHLOROBENZIDINE	40. U
72B	56-55-3	BENZO (A) ANTHRACENE	20. U
66B	117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	32.
76B	218-01-9	CHRYSENE	20. U
19B	117-84-0	DI-N-OCTYLPHTHALATE	20. U
74B	205-99-2	BENZO (B & K) FLUORANTHENE	20. U
73B	50-32-8	BENZO (A) PYRENE	20. U
3B	193-39-5	INDENO-1, 2, 3 (C, D) PYRENE	20. U
82B	53-70-3	DIBENZO (A, H) ANTHRACENE	20. U
79B	191-24-2	BENZO (G, H, I) PERYLENE	20. U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS.

Sample #: CR468

Laboratory: IT/Cerritos
Lab ID: 319-22
Lab ID for Dil: —
Sample Matrix: Water
Data Release Authorized by: TAR/TAR

Case #/SAS #: 5215
QC Report #: 6962-245
Contract #: 68-01-6962
Date Rec'd: 11-14-85

Organics Analysis Data Sheet
Pesticide/PCB's

Sample Level: Low
Date Extracted: 11-15-85
Date Analyzed: 11-27-85
Spl->Extract: 1L → 10mL 1mL → 5mL
For Dilution: —
pH: [illegible]
% Moisture:
% Moisture (Decanted):
Lab Std ID: 319-415

ALL RESULTS ARE REPORTED ON WET WEIGHT BASIS.

ORIGINAL (Rec'd)

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

319-84-6	alpha-BHC	0.05U
319-85-7	beta-BHC	
319-86-8	delta-BHC	
58-89-9	gamma-BHC (Lindane)	
76-44-8	Heptachlor	
309-00-2	Aldrin	
1024-57-3	Heptachlor Epoxide	
959-98-8	Endosulfan I	V
60-57-1	Dieldrin	0.1U
72-55-9	4,4'-DDE	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4,4'-DDD	
1031-07-8	Endosulfan Sulfate	
50-29-3	4,4'-DDT	V
72-43-5	Methoxychlor	0.5U
53494-70-5	Endrin Ketone	0.1U
57-74-9	Chlordane	0.5U
8001-35-2	Toxaphene	1U
12674-11-2	Arochlor-1016	0.5U
11104-28-2	Arochlor-1221	
11141-16-5	Arochlor-1232	
53469-21-9	Arochlor-1242	
12672-29-6	Arochlor-1248	V
11097-69-1	Arochlor-1254	1U
11096-82-5	Arochlor-1260	V

U - Analyzed for but not detected (Reported Value is Detection Limit-DL)
J - Estimated Value (0 < Value < DL)
C - Confirmed by GC/MS-GC Quantitation
B - Compound found in Blank. Sample results are not Blank Corrected.
** - Detected below GC/MS DL-GC Quantitation
N - Not Confirmed by GC/MS-GC/MS DL
NA - Not Analyzed
NR - Not Reported

V_i = Volume of extract injected (ul)
V_s = Volume of water extracted (ml)
W_s = Weight of sample extracted (g)
V_t = Volume of total extract (ul)

V_s 1000 ml or
W_s — g
V_t 10,000 ul
V_i 1 ul

Surrogate Spike Recoveries

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

Lab ID	Fraction	Compound	Conc. Sample	Conc. Spiked	% Recovery
319-22	Pest.	Dibutyl Chlorendate	0.80	10	80

* - Asterisked Values are outside QC Limits. NS - Not Spiked
\# - _____ Recoveries due to Dilution.
§ - _____ Recoveries due to Matrix Effects.

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ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB466

..ORATORY: IT/CERR
.ABORATORY ID. 35029N5
1 TRIX WATER

CASE #/SAS #: 5215
QC REPORT #. 6962-245
CONTRACT #: 68-01-6962
DATE RECEIVED. 11/14/85

Atocar

)ATA RELEASE AUTHORIZED BY:

VOLATILE COMPOUNDS

LEVEL:	LOW
DATE EXT/PREP:	11/20/85
DATE ANALYZED:	11/20/85
SPL-->EXTRACT.	5ML
PH:	Not Analysed
% MOISTURE (NOT DEC.).	
% MOISTURE (DEC.).	
STANDARD ID:	VOA532
SENSITIVITY ID:	BFD478
UNITS:	UG/L

P #	CAS #		CONC
4 V	74-87-3	CHLOROMETHANE	10. U
4 V	74-83-9	BROMOMETHANE	10. U
38V	75-01-4	VINYL CHLORIDE	10. U
14V	75-00-3	CHLOROETHANE	10. U
4 V	75-09-2	METHYLENE CHLORIDE	20. B
1.H	67-64-1	ACETONE	1. JB
15H	75-15-0	CARBON DISULFIDE	5. U
2 V	75-35-4	1,1-DICHLOROETHENE	5. U
1 V	75-34-3	1,1-DICHLOROETHANE	5. U
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	5. U
2 V	67-66-3	CHLOROFORM	5. U
1 V	107-06-2	1,2-DICHLOROETHANE	5. U
14H	78-93-3	2-BUTANONE	10. U
11V	71-55-6	1,1,1-TRICHLOROETHANE	5 U
V	56-23-5	CARBON TETRACHLORIDE	5 U
1.H	108-05-4	VINYL ACETATE	10. U
48V	75-27-4	BROMODICHLOROMETHANE	5. U
3 V	78-87-5	1,2-DICHLOROPROPANE	5. U
3.VT	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5 U
87V	79-01-6	TRICHLOROETHENE	5. U
5'V	124-48-1	CHLORODIBROMOMETHANE	5. U
1 V	79-00-5	1,1,2-TRICHLOROETHANE	5. U
4V	71-43-2	BENZENE	5 U
33VC	10061-01-5	CIS-1,3-DICHLOROPROPENE	5 U
1 V	110-75-8	2-CHLOROETHYLVINYL ETHER	10 U
4 V	75-25-2	BROMOFORM	5 U
16H	519-78-6	2-HEXANONE	10 U
1 H	108-10-1	4-METHYL-2-PENTANONE	10 U
E V	127-18-4	TETRACHLOROETHENE	5 U
15V	79-34-5	1,1,2,2-TETRACHLOROETHANE	5. U
84V	108-88-3	TOLUENE	5 U
V	108-90-7	CHLOROBENZENE	5. U
66V	100-41-4	ETHYLBENZENE	5 U
18H	100-42-5	STYRENE	5 U
2 H	95-47-6	TOTAL XYLENES	5 U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS.

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB466

LABORATORY: IT/CERR
[redacted]RATORY ID: 35029B10
[redacted]RIX: WATER

CASE #/SAS #: 5215
QC REPORT #: 6962-245
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

DATA RELEASE AUTHORIZED BY:

SEMIVOLATILE COMPOUNDS (PAGE 1)

LEVEL:	LOW	GPC	Y_ N X
DATE EXT/PREP:	11/16/85	SEP. FUNNEL	Y_ N X
DATE ANALYZED:	12/11/85	CONT. EXT.	Y X N_
SPL-->EXTRACT:	1L:2ML		
PH:	Not Analyzed		
% MOISTURE (NOT DEC.):			
% MOISTURE (DEC.):			
STANDARD ID:	BNA814		
SENSITIVITY ID:	FSS542		
UNITS:	UG/L		

ORIGINAL

P #	CAS #		CONC
65A	108-95-2	PHENOL	20. U
8B	111-44-4	BIS (2-CHLOROETHYL) ETHER	20. U
4A	95-57-8	2-CHLOROPHENOL	20. U
26B	541-73-1	1,3-DICHLOROBENZENE	20. U
[redacted]	106-46-7	1,4-DICHLOROBENZENE	20. U
[redacted]	100-51-6	BENZYL ALCOHOL	20. U
25B	95-50-1	1,2-DICHLOROBENZENE	20. U
2H	95-48-7	2-METHYLPHENOL	20. U
2B	39638-32-9	BIS (2-CHLOROISOPROPYL) ETHER	20. U
3H	106-44-5	4-METHYLPHENOL	20. U
63B	621-64-7	N-NITROSO-DI-N-PROPLYAMINE	20. U
2B	67-72-1	HEXACHLOROETHANE	20. U
6B	98-95-3	NITROBENZENE	20. U
54B	78-59-1	ISOPHORONE	20. U
7A	88-75-5	2-NITROPHENOL	20. U
4A	105-67-9	2,4-DIMETHYLPHENOL	20. U
1H	65-85-0	BENZOIC ACID	100. U
43B	111-91-1	BIS (2-CHLOROETHOXY) METHANE	20. U
1A	120-33-2	2,4-DICHLOROPHENOL	20. U
8B	120-82-1	1,2,4-TRICHLOROBENZENE	20. U
55B	91-20-3	NAPHTHALENE	20. U
7H	106-47-8	4-CHLOROANILINE	20. U
2B	87-68-3	HEXACHLOROBUTADIENE	20. U
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	20. U
9H	91-57-6	2-METHYLNAPHTHALENE	20. U
3B	77-47-4	HEXACHLOROCYCLOPENTADIENE	20. U
21A	88-06-2	2,4,6-TRICHLOROPHENOL	20. U
4H	95-95-4	2,4,5-TRICHLOROPHENOL	100. U
20B	91-58-7	2-CHLORONAPHTHALENE	20. U
10H	88-74-4	2-NITROANILINE	100. U
[redacted]	131-11-3	DIMETHYLPHTHALATE	20. U
[redacted]	208-96-8	ACENAPHTHALENE	20. U
11H	99-09-2	3-NITROANILINE	100. U
1B	83-32-9	ACENAPHTHENE	20. U
59A	51-28-5	2,4-DINITROPHENOL	100. U

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB466

LABORATORY: IT/CERR
LABORATORY ID: 35029B10
MATRIX: WATER
CASE #/SAS #: 5215
QC REPORT #: 6962-245
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

DATA RELEASE AUTHORIZED BY:

SEMIVOLATILE COMPOUNDS (PAGE 2)

LEVEL:	LOW	GPC	Y_ N X
DATE EXT/PREP:	11/16/85	SEP. FUNNEL	Y_ N X
DATE ANALYZED:	12/11/85	CONT. EXT.	Y X N_
SPL-->EXTRACT.	1L: 2ML		
PH:	Not Analyzed		
% MOISTURE (NOT DEC.):	↓		
% MOISTURE (DEC.):	↓		
STANDARD ID:	BNA814		
SENSITIVITY ID:	FSS542		
UNITS:	UG/L		

? #	CAS #		CONC.
58A	100-02-7	4-NITROPHENOL	100. U
3H	132-64-9	DIBENZOFURAN	20. U
5B	121-14-2	2,4-DINITROTOLUENE	20. U
36B	606-20-2	2,6-DINITROTOLUENE	20. U
0B	84-66-2	DIETHYLPHTHALATE	20. U
0B	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	20. U
80B	86-73-7	FLUORENE	20. U
12H	100-01-6	4-NITROANILINE	100. U
0A	534-52-1	4,6-DINITRO-O-CRESOL	100. U
2B	86-30-6	N-NITROSODIPHENYLAMINE	6. JB
41B	101-55-3	4-BROMOPHENOXYBENZENE	20. U
7B	118-74-1	HEXACHLOROBENZENE	20. U
4A	87-86-5	PENTACHLOROPHENOL	100. U
81B	85-01-8	PHENANTHRENE	20. U
73B	120-12-7	ANTHRACENE	20. U
3B	84-74-2	DI-N-BUTYLPHTHALATE	20. U
09B	206-44-0	FLUORANTHENE	20 U
84B	129-00-0	PYRENE	20. U
7B	85-68-7	BUTYLBENZYLPHTHALATE	20. U
3B	91-94-1	3,3'-DICHLOROBENZIDINE	40. U
72B	56-55-3	BENZO (A) ANTHRACENE	20. U
6B	117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	9. J
6B	218-01-9	CHRYSENE	20. U
69B	117-84-0	DI-N-OCTYLPHTHALATE	20. U
74B	205-99-2	BENZO (B & K) FLUORANTHENE	20. U
3B	50-32-8	BENZO (A) PYRENE	20. U
83B	193-39-5	INDENO-1,2,3 (C,D) PYRENE	20. U
82B	53-70-3	DIBENZO (A,H) ANTHRACENE	20. U
7B	191-24-2	BENZO (G,H,I) PERYLENE	20. U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS.

Sample #: CB466

Laboratory: IT/Cerritos
Lab ID: 319-20
Lab ID for Dil:
Sample Matrix: Water
Data Release Authorized by: TAR/TAR

Case #/SAS #: 5215
QC Report #: 6962-245
Contract #: 68-01-6962
Date Rec'd: 11-17-87

Organics Analysis Data Sheet
Pesticide/PCB's

Sample Level: Low
Date Extracted: 11-17-87
Date Analyzed: 11-27-87
Spl->Extract: 1L → 10mL; 1mL → 1mL
For Dilution:
pH: Not Analyzed
% Moisture:
% Moisture (Decanted):
Lab Std ID: 319-445

ALL RESULTS ARE REPORTED ON WET WEIGHT BASIS.

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

319-84-6	alpha-BHC	0.05U
319-85-7	beta-BHC	
319-86-8	delta-BHC	
58-89-9	gamma-BHC (Lindane)	
76-44-8	Heptachlor	
309-00-2	Aldrin	
1024-57-3	Heptachlor Epoxide	
959-98-8	Endosulfan I	V
60-57-1	Dieldrin	0.1U
72-55-9	4,4'-DDE	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4,4'-DDD	
1031-07-8	Endosulfan Sulfate	
50-29-3	4,4'-DDT	V
72-43-5	Methoxychlor	0.5U
53494-70-5	Endrin Ketone	0.1U
57-74-9	Chlordane	0.5U
8001-35-2	Toxaphene	1U
12674-11-2	Arochlor-1016	0.5U
11104-28-2	Arochlor-1221	
11141-16-5	Arochlor-1232	
53469-21-9	Arochlor-1242	
12672-29-6	Arochlor-1248	V
11097-69-1	Arochlor-1254	1U
11096-82-5	Arochlor-1260	V

U - Analyzed for but not detected (Reported Value is Detection Limit-DL)
J - Estimated Value (0 < Value < DL)
C - Confirmed by GC/MS-GC Quantitation
B - Compound found in Blank. Sample results are not Blank Corrected.
** - Detected below GC/MS DL-GC Quantitation
N - Not Confirmed by GC/MS-GC/MS DL
NA - Not Analyzed
NR - Not Reported

V_i = Volume of extract injected (ul)
V_s = Volume of water extracted (ml)
W_s = Weight of sample extracted (g)
V_t = Volume of total extract (ul)

V_s 1000 ml or
W_s ____ g
V_t 10,000 ul
V_i 1 ul

Surrogate Spike Recoveries

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

Lab ID	Fraction	Compound	Conc. Sample	Conc. Spiked	% Recovery
319-20	Pest.	Dibutyl Chlorendate	0.77	10	77

* - Asterisked Values are outside QC Limits.
# - _____ Recoveries due to Dilution.
s - _____ Recoveries due to Matrix Effects.

NS - Not Spiked

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB467

L BORATORY: IT/CERR
LABORATORY ID: 35029N6
MATRIX WATER

CASE #/SAS #: 5215
QC REPORT #: 6962-245
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

C..TA RELEASE AUTHORIZED BY

Dennis Hyle

VOLATILE COMPOUNDS

LEVEL	LOW
DATE EXT/PREP	11/20/85
DATE ANALYZED	11/20/85
SPL-->EXTRACT.	5ML
PH	Not Analyzed
% MOISTURE (NOT DEC)	
% MOISTURE (DEC.).	
STANDARD ID	VOA532
SENSITIVITY ID:	BFD478
UNITS.	UG/L

ORIGINAL (Rec)

PI #	CAS #		CONC
45V	74-87-3	CHLOROMETHANE	10. U
4(/	74-83-9	BROMOMETHANE	10. U
3(/	75-01-4	VINYL CHLORIDE	10. U
6V	75-00-3	CHLOROETHANE	10. U
4(" /	75-09-2	METHYLENE CHLORIDE	23. B
(1	67-64-1	ACETONE	3. JB
5H	75-15-0	CARBON DISULFIDE	5 U
29V	75-35-4	1,1-DICHLOROETHENE	5. U
(/	75-34-3	1,1-DICHLOROETHANE	5. U
3(/	156-60-5	TRANS-1,2-DICHLOROETHENE	5. U
23V	67-66-3	CHLOROFORM	5 U
(/	107-06-2	1,2-DICHLOROETHANE	5. U
(1	78-93-3	2-BUTANONE	10 U
1V	71-55-6	1,1,1-TRICHLOROETHANE	5. U
6"	56-23-5	CARBON TETRACHLORIDE	5 U
(1	108-05-4	VINYL ACETATE	10 U
8V	75-27-4	BROMODICHLOROMETHANE	5 U
2V	78-87-5	1,2-DICHLOROPROPANE	5. U
(T	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5 U
7 /	79-01-6	TRICHLOROETHENE	5 U
1V	124-48-1	CHLORODIBROMOMETHANE	5 U
4 /	79-00-5	1,1,2-TRICHLOROETHANE	5. U
4	71-43-2	BENZENE	5. U
3VC	10061-01-5	CIS-1,3-DICHLOROPROPENE	5 U
9"	110-75-8	2-CHLOROETHYLVINYL ETHER	10 U
7	75-25-2	BROMOFORM	5 U
6H	519-78-6	2-HEXANONE	10 U
7H	108-10-1	4-METHYL-2-PENTANONE	10 U
5	127-18-4	TETRACHLOROETHENE	5 U
5	79-34-5	1,1,2,2-TETRACHLOROETHANE	5. U
6V	108-88-3	TOLUENE	5 U
7	108-90-7	CHLOROBENZENE	5 U
8	100-41-4	ETHYLBENZENE	5 U
8H	100-42-5	STYRENE	5 U
0H	95-47-6	TOTAL XYLENES	5 U

AR100352

LL RESULTS ARE REPORTED ON A WET WEIGHT BASIS.

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB467

LABORATORY: IT/CERR
LABORATORY ID: 35029B15
MATRIX: WATER

CASE #/SAS #: 5215
QC REPORT #: 6962-245
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

DATA RELEASE AUTHORIZED BY:

SEMIVOLATILE COMPOUNDS (PAGE 1)

LEVEL:	LOW	GPC	Y_	N X
DATE EXT/PREP:	11/16/85	SEP. FUNNEL	Y_	N X
DATE ANALYZED:	12/11/85	CONT. EXT.	Y X	N_
SPL-->EXTRACT:	1L: 2ML: : 200UL: 1ML			
PH:	Not Analyzed			
% MOISTURE (NOT DEC.):				
% MOISTURE (DEC.):				
STANDARD ID:	BNA814			
SENSITIVITY ID:	FSS542			
UNITS:	UG/KG			

ORIGINAL (Red)

P #	CAS #		CONC
65A	108-95-2	PHENOL	100. U
8B	111-44-4	BIS (2-CHLOROETHYL) ETHER	100. U
4A	95-57-8	2-CHLOROPHENOL	100. U
26B	541-73-1	1,3-DICHLOROBENZENE	100. U
[redacted]	106-46-7	1,4-DICHLOROBENZENE	100. U
[redacted]	100-51-6	BENZYL ALCOHOL	100. U
25B	95-50-1	1,2-DICHLOROBENZENE	100. U
2H	95-48-7	2-METHYLPHENOL	100. U
2B	39638-32-9	BIS (2-CHLOROISOPROPYL) ETHER	100. U
3H	106-44-5	4-METHYLPHENOL	100. U
63B	621-64-7	N-NITROSO-DI-N-PROPLYAMINE	100. U
2B	67-72-1	HEXACHLOROETHANE	100. U
6B	98-95-3	NITROBENZENE	100. U
54B	78-59-1	ISOPHORONE	100. U
57A	88-75-5	2-NITROPHENOL	100. U
4A	105-67-9	2,4-DIMETHYLPHENOL	100. U
1H	65-85-0	BENZOIC ACID	500. U
43B	111-91-1	BIS (2-CHLOROETHOXY) METHANE	100. U
1A	120-33-2	2,4-DICHLOROPHENOL	100 U
8B	120-82-1	1,2,4-TRICHLOROBENZENE	100. U
55B	91-20-3	NAPHTHALENE	100. U
7H	106-47-8	4-CHLOROANILINE	100. U
2B	87-68-3	HEXACHLOROBUTADIENE	100. U
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	100. U
9H	91-57-6	2-METHYLNAPHTHALENE	100. U
3B	77-47-4	HEXACHLOROCYCLOPENTADIENE	100. U
21A	88-06-2	2,4,6-TRICHLOROPHENOL	100. U
4H	95-95-4	2,4,5-TRICHLOROPHENOL	500. U
0B	91-58-7	2-CHLORONAPHTHALENE	100. U
[redacted]	88-74-4	2-NITROANILINE	500. U
[redacted]	131-11-3	DIMETHYLPHTHALATE	100. U
[redacted]	208-96-8	ACENAPHTHALENE	100. U
1H	99-09-2	3-NITROANILINE	500. U
1B	83-32-9	ACENAPHTHENE	100. U
59A	51-28-5	2,4-DINITROPHENOL	500. U

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB467

LABORATORY: IT/CERR
L BORATORY ID: 35029B15
M TRIX WATER

CASE #/SAS #: 5215
QC REPORT #: 6962-249
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

DATA RELEASE AUTHORIZED BY:

SEMIVOLATILE COMPOUNDS (PAGE 2)

LEVEL:	LOW	GPC	Y_ N X
DATE EXT/PREP:	11/16/85	SEP. FUNNEL	Y_ N X
DATE ANALYZED:	12/11/85	CONT. EXT.	Y X N_
SPL-->EXTRACT:	1L: 2ML: : 200UL: 1ML		
PH:	Not Analyzed		
% MOISTURE (NOT DEC.):			
% MOISTURE (DEC.):			
STANDARD ID:	BNA814		
SENSITIVITY ID:	FSS542		
UNITS:	UG/KG		

ORIGINAL (Red)

F ' #	CAS #		CONC
F7A	100-02-7	4-NITROPHENOL	500. U
3H	132-64-9	DIBENZOFURAN	100. U
35B	121-14-2	2,4-DINITROTOLUENE	100. U
36B	606-20-2	2,6-DINITROTOLUENE	100. U
2B	84-66-2	DIETHYLPHTHALATE	100. U
4 JB	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	100. U
80B	86-73-7	FLUORENE	100. U
2H	100-01-6	4-NITROANILINE	500. U
4)A	534-52-1	4,6-DINITRO-O-CRESOL	500. U
62B	86-30-6	N-NITROSODIPHENYLAMINE	59. JB
71B	101-55-3	4-BROMOPHENOXYBENZENE	100. U
9B	118-74-1	HEXACHLOROBENZENE	100. U
64A	87-86-5	PENTACHLOROPHENOL	500. U
81B	85-01-8	PHENANTHRENE	100. U
3B	120-12-7	ANTHRACENE	100. U
3B	84-74-2	DI-N-BUTYLPHTHALATE	100. U
39B	206-44-0	FLUORANTHENE	100. U
4B	129-00-0	PYRENE	100. U
7B	85-68-7	BUTYLBENZYLPHTHALATE	100. U
28B	91-94-1	3,3'-DICHLOROBENZIDINE	200. U
72B	56-55-3	BENZO (A) ANTHRACENE	100. U
5B	117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	100. U
6B	218-01-9	CHRYSENE	100. U
69B	117-84-0	DI-N-OCTYLPHTHALATE	100. U
4B	205-99-2	BENZO (B & K) FLUORANTHENE	100. U
3B	50-32-8	BENZO (A) PYRENE	100. U
83B	193-39-5	INDENO-1,2,3 (C,D) PYRENE	100. U
2B	53-70-3	DIBENZO (A,H) ANTHRACENE	100. U
9B	191-24-2	BENZO (G,H,I) PERYLENE	100. U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS.

Sample #: C8467

Laboratory: IT/Cerritos
Lab ID: 319-30
Lab ID for Dil: 2322-9 (1/10)
Sample Matrix: Water
Data Release Authorized by: TAR/TAR

Case #/SAS #: 5215
QC Report #: ~~5962-245~~
Contract #: 68-01-6962
Date Rec'd: 11-17-87

Organics Analysis Data Sheet
Pesticide/PCB's

Sample Level: Low
Date Extracted: 11-19-87
Date Analyzed: 11-27-87
Spl->Extract: 1L → 10mL, 1mL → 5mL
For Dilution: 1/10 (0.5mL → 5mL)
pH: Not Analyzed
% Moisture:
% Moisture (Decanted):
Lab Std ID: 319-447

ALL RESULTS ARE REPORTED ON WET WEIGHT BASIS.

TAL (Red)

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

319-84-6	alpha-BHC	0.04
319-85-7	beta-BHC	
319-86-8	delta-BHC	
58-89-9	gamma-BHC (Lindane)	
76-44-8	Heptachlor	
309-00-2	Aldrin	
1024-57-3	Heptachlor Epoxide	
959-98-8	Endosulfan I	V
60-57-1	Dieldrin	0.04
72-55-9	4,4'-DDE	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4,4'-DDD	
1031-07-8	Endosulfan Sulfate	
50-29-3	4,4'-DDT	V
72-43-5	Methoxychlor	0.04
53494-70-5	Endrin Ketone	0.04
57-74-9	Chlordane	0.04
8001-35-2	Toxaphene	1.0
12674-11-2	Arochlor-1016	0.04
11104-28-2	Arochlor-1221	
11141-16-5	Arochlor-1232	
53469-21-9	Arochlor-1242	
12672-29-6	Arochlor-1248	V
11097-69-1	Arochlor-1254	1.0
11096-82-5	Arochlor-1260	V

U - Analyzed for but not detected (Reported Value is Detection Limit-DL)
J - Estimated Value (0 < Value < DL)
C - Confirmed by GC/MS-GC Quantitation
B - Compound found in Blank. Sample results are not Blank Corrected.
** - Detected below GC/MS DL-GC Quantitation
N - Not Confirmed by GC/MS-GC/MS DL
NA - Not Analyzed
NR - Not Reported

V_i = Volume of extract injected (ul)
V_s = Volume of water extracted (ml)
W_s = Weight of sample extracted (g)
V_t = Volume of total extract (ul)

V_s 1000 ml or
W_s ____ g
V_t 100,000 ul
V_i 5 ul

Surrogate Spike Recoveries

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

Lab ID	Fraction	Compound	Conc. Sample	Conc. Spiked	% Recovery
319-30	Pest.	Dibutyl Chlorendate	0.99	1.0	99

* - Asterisked Values are outside QC Limits.
NS - Not Spiked
- _____ Recoveries due to Dilution.
s - _____ Recoveries due to Matrix Effects.

Rev 8/85

72544

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB469

LABORATORY: IT/CERR
LABORATORY ID: 35029N12
MATRIX: WATER
CASE #/SAS #: 5215
QC REPORT #: 6962-245
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

DATA RELEASE AUTHORIZED BY

VOLATILE COMPOUNDS

Downstream M.d Co

LEVEL	LOW
DATE EXT/PREP:	11/20/85
DATE ANALYZED.	11/20/85
SPL-->EXTRACT.	5ML
PH:	Not Analyzed
% MOISTURE (NOT DEC):	
% MOISTURE (DEC).	
STANDARD ID:	VOA532
SENSITIVITY ID	BFD478
UNITS	UG/L

P. .#	CAS #		CONC	
4 V	74-87-3	CHLOROMETHANE	10.	U
4 V	74-83-9	BROMOMETHANE	10.	U
88V	75-01-4	VINYL CHLORIDE	10.	U
1 V	75-00-3	CHLOROETHANE	10.	U
4 V	75-09-2	METHYLENE CHLORIDE	15.	B
1 H	67-64-1	ACETONE	10.	U
15H	75-15-0	CARBON DISULFIDE	5.	U
3 V	75-35-4	1,1-DICHLOROETHENE	5.	U
1 V	75-34-3	1,1-DICHLOROETHANE	5.	U
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
3 V	67-66-3	CHLOROFORM	5	U
1 V	107-06-2	1,2-DICHLOROETHANE	5.	U
14H	78-93-3	2-BUTANONE	10	U
1 V	71-55-6	1,1,1-TRICHLOROETHANE	5.	U
V	56-23-5	CARBON TETRACHLORIDE	5	U
1 H	108-05-4	VINYL ACETATE	10	U
48V	75-27-4	BROMODICHLOROMETHANE	5.	U
3 V	78-87-5	1,2-DICHLOROPROPANE	5	U
3 VT	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
97V	79-01-6	TRICHLOROETHENE	5.	U
3 V	124-48-1	CHLORODIBROMOMETHANE	5	U
1 V	79-00-5	1,1,2-TRICHLOROETHANE	5	U
4V	71-43-2	BENZENE	5.	U
3VC	10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
1 V	110-75-8	2-CHLOROETHYLVINYL ETHER	10.	U
7 V	75-25-2	BROMOFORM	5	U
16H	519-78-6	2-HEXANONE	10	U
H	108-10-1	4-METHYL-2-PENTANONE	10	U
V	127-18-4	TETRACHLOROETHENE	5	U
15V	79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
3V	108-88-3	TOLUENE	5	U
V	108-90-7	CHLOROBENZENE	5	U
38V	100-41-4	ETHYLBENZENE	5.	U
18H	100-42-5	STYRENE	5.	U
0H	95-47-6	TOTAL XYLENES	5.	U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS.

AR100356

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB469

LABORATORY: IT/CERR
[redacted]RATORY ID: 35029B12
[redacted]RIX: WATER

CASE #/SAS #: 5215
QC REPORT #: 6962-245
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

DATA RELEASE AUTHORIZED BY:

SEMIVOLATILE COMPOUNDS (PAGE 1)

LEVEL:	LOW	GPC	Y_ N X
DATE EXT/PREP:	11/16/85	SEP. FUNNEL	Y_ N X
DATE ANALYZED:	12/11/85	CONT. EXT.	Y X N_
SPL-->EXTRACT:	1L: 2ML		
PH:	Not Analyzed		
% MOISTURE (NOT DEC.):			
% MOISTURE (DEC.):			
STANDARD ID:	BNA814		
SENSITIVITY ID:	FSS542		
UNITS:	UG/L		

PP #	CAS #		CONC
65A	108-95-2	PHENOL	20. U
18B	111-44-4	BIS (2-CHLOROETHYL) ETHER	20. U
24A	95-57-8	2-CHLOROPHENOL	20. U
26B	541-73-1	1,3-DICHLOROBENZENE	20. U
[redacted]	106-46-7	1,4-DICHLOROBENZENE	20. U
[redacted]	100-51-6	BENZYL ALCOHOL	20. U
[redacted]	95-50-1	1,2-DICHLOROBENZENE	20. U
2H	95-48-7	2-METHYLPHENOL	20. U
42B	39638-32-9	BIS (2-CHLOROISOPROPYL) ETHER	20. U
3H	106-44-5	4-METHYLPHENOL	20. U
63B	621-64-7	N-NITROSO-DI-N-PROPLYAMINE	20. U
12B	67-72-1	HEXACHLOROETHANE	20. U
56B	98-95-3	NITROBENZENE	20. U
54B	78-59-1	ISOPHORONE	20. U
57A	88-75-5	2-NITROPHENOL	20. U
34A	105-67-9	2,4-DIMETHYLPHENOL	20. U
1H	65-85-0	BENZOIC ACID	100. U
43B	111-91-1	BIS (2-CHLOROETHOXY) METHANE	20. U
31A	120-33-2	2,4-DICHLOROPHENOL	20. U
8B	120-82-1	1,2,4-TRICHLOROBENZENE	20. U
55B	91-20-3	NAPHTHALENE	20. U
7H	106-47-8	4-CHLOROANILINE	20. U
52B	87-68-3	HEXACHLOROBUTADIENE	20. U
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	20. U
9H	91-57-6	2-METHYLNAPHTHALENE	20. U
53B	77-47-4	HEXACHLOROCYCLOPENTADIENE	20. U
21A	88-06-2	2,4,6-TRICHLOROPHENOL	20. U
4H	95-95-4	2,4,5-TRICHLOROPHENOL	100. U
20B	91-58-7	2-CHLORONAPHTHALENE	20. U
10H	88-74-4	2-NITROANILINE	100. U
[redacted]	131-11-3	DIMETHYLPHTHALATE	20. U
[redacted]	208-96-8	ACENAPHTHALENE	20. U
11H	99-09-2	3-NITROANILINE	100. U
1B	83-32-9	ACENAPHTHENE	20. U
59A	51-28-5	2,4-DINITROPHENOL	100. U

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB469

LABORATORY: IT/CERR
LABORATORY ID: 35029B12
MATRIX: WATER
CASE #/SAS #: 5215
QC REPORT #: 6962-245
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

DATA RELEASE AUTHORIZED BY:

SEMIVOLATILE COMPOUNDS (PAGE 2)

LEVEL:	LOW	GPC	Y_ N X
DATE EXT/PREP:	11/16/85	SEP. FUNNEL	Y_ N X
DATE ANALYZED:	12/11/85	CONT. EXT.	Y X N_
SPL-->EXTRACT:	1L:2ML		
PH:	Not Analyzed		
% MOISTURE (NOT DEC.):			
% MOISTURE (DEC.):			
STANDARD ID:	BNA814		
SENSITIVITY ID:	FSS542		
UNITS:	UG/L		

P #	CAS #		CONC
58A	100-02-7	4-NITROPHENOL	100. U
8H	132-64-9	DIBENZOFURAN	20. U
5B	121-14-2	2,4-DINITROTOLUENE	20. U
36B	606-20-2	2,6-DINITROTOLUENE	20. U
70B	84-66-2	DIETHYLPHTHALATE	20. U
0B	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	20. U
0B	86-73-7	FLUORENE	20. U
12H	100-01-6	4-NITROANILINE	100. U
0A	534-52-1	4,6-DINITRO-O-CRESOL	100. U
2B	86-30-6	N-NITROSODIPHENYLAMINE	7. JB
41B	101-55-3	4-BROMOPHENOXYBENZENE	20. U
9B	118-74-1	HEXACHLOROBENZENE	20. U
4A	87-86-5	PENTACHLOROPHENOL	100. U
81B	85-01-8	PHENANTHRENE	20. U
78B	120-12-7	ANTHRACENE	20. U
8B	84-74-2	DI-N-BUTYLPHTHALATE	20. U
9B	206-44-0	FLUORANTHENE	20. U
84B	129-00-0	PYRENE	20. U
7B	85-68-7	BUTYLBENZYLPHTHALATE	20. U
8B	91-94-1	3,3'-DICHLOROBENZIDINE	40. U
72B	56-55-3	BENZO (A) ANTHRACENE	20. U
46B	117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	20. U
6B	218-01-9	CHRYSENE	20. U
09B	117-84-0	DI-N-OCTYLPHTHALATE	20. U
74B	205-99-2	BENZO (B & K) FLUORANTHENE	20. U
3B	50-32-8	BENZO (A) PYRENE	20. U
3B	193-39-5	INDENO-1,2,3 (C,D) PYRENE	20. U
82B	53-70-3	DIBENZO (A,H) ANTHRACENE	20. U
9B	191-24-2	BENZO (G,H,I) PERYLENE	20. U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS.

Sample #: CB449

Laboratory: IT/Cerritos
Lab ID: 319-23
Lab ID for Dil:
Sample Matrix: Water
Data Release Authorized by: TAR/TAR

Case #/SAS #: 5215
QC Report #: ~~6962-245~~
Contract #: 68-01-6962
Date Rec'd: 11-17-85

Organics Analysis Data Sheet
Pesticide/PCB's

Sample Level: Low
Date Extracted: 11-17-85
Date Analyzed: 11-29-85
Spl->Extract: 1L → 10ml, 1ml → 1ml
For Dilution:
pH: Not Analyzed
% Moisture:
% Moisture (Decanted):
Lab Std ID: 319-47

ALL RESULTS ARE REPORTED ON WET WEIGHT BASIS.

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

319-84-6	alpha-BHC	0.05U
319-85-7	beta-BHC	
319-86-8	delta-BHC	
58-89-9	gamma-BHC (Lindane)	
76-44-8	Heptachlor	
309-00-2	Aldrin	
1024-57-3	Heptachlor Epoxide	
959-98-8	Endosulfan I	V
60-57-1	Dieldrin	0.1U
72-55-9	4,4'-DDE	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4,4'-DDD	
1031-07-8	Endosulfan Sulfate	
50-29-3	4,4'-DDT	V
72-43-5	Methoxychlor	0.5U
53494-70-5	Endrin Ketone	0.1U
57-74-9	Chlordane	0.5U
8001-35-2	Toxaphene	1U
12674-11-2	Arochlor-1016	0.5U
11104-28-2	Arochlor-1221	
11141-16-5	Arochlor-1232	
53469-21-9	Arochlor-1242	
12672-29-6	Arochlor-1248	V
11097-69-1	Arochlor-1254	1U
11096-82-5	Arochlor-1260	V

U - Analyzed for but not detected (Reported Value is Detection Limit-DL)
J - Estimated Value (0 < Value < DL)
C - Confirmed by GC/MS-GC Quantitation
B - Compound found in Blank. Sample results are not Blank Corrected.
** - Detected below GC/MS DL-GC Quantitation
N - Not Confirmed by GC/MS-GC/MS DL
NA - Not Analyzed
NR - Not Reported

V_i = Volume of extract injected (ul)
V_s = Volume of water extracted (ml)
W_s = Weight of sample extracted (g)
V_t = Volume of total extract (ul)

V_s 1000 ml or
W_s ____ g
V_t 10,000 ul
V_i 1 ul

Surrogate Spike Recoveries

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

Lab ID	Fraction	Compound	Conc. Sample	Conc. Spiked	% Recovery
319-23	Pest.	Dibutyl Chlorendate	0.57	1.0	57

* - Asterisked Values are outside QC Limits.
NS - Not Spiked
- _____ Recoveries due to Dilution.
s - _____ Recoveries due to Matrix Effects.

Rev 8/85

AR100359

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB465

LABORATORY: IT/CERR
LABORATORY ID. 35029N4
MATRIX WATER

CASE #/SAS #: 5215
QC REPORT #: 6962-245
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

DATA RELEASE AUTHORIZED BY:

VOLATILE COMPOUNDS

ATW Lab

ORIGINAL (Rec)

LEVEL:	LOW
DATE EXT/PREP	11/20/85
DATE ANALYZED.	11/20/85
SPL-->EXTRACT:	5ML
PH:	Not Analyzed
% MOISTURE (NOT DEC):	
% MOISTURE (DEC.):	
STANDARD ID:	VOA532
SENSITIVITY ID.	BFD478
UNITS	UG/L

P #	CAS #		CONC
45V	74-87-3	CHLOROMETHANE	10. U
6V	74-83-9	BROMOMETHANE	10. U
38V	75-01-4	VINYL CHLORIDE	10. U
16V	75-00-3	CHLOROETHANE	10. U
4[redacted]	75-09-2	METHYLENE CHLORIDE	25. B
3[redacted]	67-64-1	ACETONE	2. JB
15H	75-15-0	CARBON DISULFIDE	5. U
79V	75-35-4	1,1-DICHLOROETHENE	5 U
3V	75-34-3	1,1-DICHLOROETHANE	5. U
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	5. U
23V	67-66-3	CHLOROFORM	5. U
0V	107-06-2	1,2-DICHLOROETHANE	5. U
4H	78-93-3	2-BUTANONE	10. U
11V	71-55-6	1,1,1-TRICHLOROETHANE	2. J
5V	56-23-5	CARBON TETRACHLORIDE	5. U
7H	108-05-4	VINYL ACETATE	10 U
48V	75-27-4	BROMODICHLOROMETHANE	5 U
32V	78-87-5	1,2-DICHLOROPROPANE	5. U
3VT	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5. U
67V	79-01-6	TRICHLOROETHENE	5. U
51V	124-48-1	CHLORODIBROMOMETHANE	5 U
1V	79-00-5	1,1,2-TRICHLOROETHANE	5. U
1V	71-43-2	BENZENE	5 U
33VC	10061-01-5	CIS-1,3-DICHLOROPROPENE	5. U
7V	110-75-8	2-CHLOROETHYLVINYL ETHER	10 U
9V	75-25-2	BROMOFORM	5 U
16H	519-78-6	2-HEXANONE	10. U
17H	108-10-1	4-METHYL-2-PENTANONE	10 U
8V	127-18-4	TETRACHLOROETHENE	5 U
1V	79-34-5	1,1,2,2-TETRACHLOROETHANE	5 U
86[redacted]	108-88-3	TOLUENE	5 U
[redacted]	108-90-7	CHLOROBENZENE	5. U
3V	100-41-4	ETHYLBENZENE	5. U
18H	100-42-5	STYRENE	5. U
20H	95-47-6	TOTAL XYLENES	5 U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS

AR100360

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB465

LABORATORY: IT/CERR
LABORATORY ID: 3502988
MATRIX: WATER

CASE #/SAS #: 5215
QC REPORT #: 6962-245
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

DATA RELEASE AUTHORIZED BY:

SEMIVOLATILE COMPOUNDS (PAGE 1)

LEVEL:	LOW	GPC	Y_ N X
DATE EXT/PREP:	11/16/85	SEP. FUNNEL	Y_ N X
DATE ANALYZED:	12/11/85	CONT. EXT.	Y X N_
SPL-->EXTRACT:	1L. 2ML		
PH:	Not Analyzed		
% MOISTURE (NOT DEC.):			
% MOISTURE (DEC.):			
STANDARD ID:	BNA814		
SENSITIVITY ID:	FSS542		
UNITS:	UG/L		

PP #	CAS #		CONC
65A	108-95-2	PHENOL	20. U
18B	111-44-4	BIS (2-CHLOROETHYL) ETHER	20. U
24A	95-57-8	2-CHLOROPHENOL	20. U
26B	541-73-1	1,3-DICHLOROBENZENE	20. U
27B	106-46-7	1,4-DICHLOROBENZENE	20. U
6H	100-51-6	BENZYL ALCOHOL	20. U
25B	95-50-1	1,2-DICHLOROBENZENE	20. U
2H	95-48-7	2-METHYLPHENOL	20. U
42B	39638-32-9	BIS (2-CHLOROISOPROPYL) ETHER	20. U
3H	106-44-5	4-METHYLPHENOL	20. U
63B	621-64-7	N-NITROSO-DI-N-PROPLYAMINE	20. U
12B	67-72-1	HEXACHLOROETHANE	20. U
56B	98-95-3	NITROBENZENE	20. U
54B	78-59-1	ISOPHORONE	20. U
57A	88-75-5	2-NITROPHENOL	20. U
34A	105-67-9	2,4-DIMETHYLPHENOL	20. U
1H	65-85-0	BENZOIC ACID	100. U
43B	111-91-1	BIS (2-CHLOROETHOXY) METHANE	20. U
31A	120-33-2	2,4-DICHLOROPHENOL	20. U
8B	120-82-1	1,2,4-TRICHLOROBENZENE	20. U
55B	91-20-3	NAPHTHALENE	20. U
7H	106-47-8	4-CHLOROANILINE	20. U
52B	87-68-3	HEXACHLOROBUTADIENE	20. U
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	20. U
9H	91-57-6	2-METHYLNAPHTHALENE	20. U
53B	77-47-4	HEXACHLOROCYCLOPENTADIENE	20. U
21A	88-06-2	2,4,6-TRICHLOROPHENOL	20. U
4H	95-95-4	2,4,5-TRICHLOROPHENOL	100. U
20B	91-58-7	2-CHLORONAPHTHALENE	20. U
10H	88-74-4	2-NITROANILINE	100. U
71B	131-11-3	DIMETHYLPHTHALATE	20. U
77B	208-96-8	ACENAPHTHALENE	20. U
11H	99-09-2	3-NITROANILINE	100. U
1B	83-32-9	ACENAPHTHENE	20. U
59A	51-28-5	2,4-DINITROPHENOL	100. U

Original (Red)

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB465

LABORATORY: IT/CERR
LABORATORY ID: 3502988
MATRIX: WATER

CASE #/SAS #: 5215
QC REPORT #: 6962-245
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

DATA RELEASE AUTHORIZED BY:

SEMIVOLATILE COMPOUNDS (PAGE 2)

LEVEL:	LOW	GPC	Y_ N X
DATE EXT/PREP:	11/16/85	SEP. FUNNEL	Y_ N X
DATE ANALYZED:	12/11/85	CONT. EXT.	Y X N_
SPL-->EXTRACT:	1L: 2ML		
PH:	Not analyzed		
% MOISTURE (NOT DEC.):			
% MOISTURE (DEC.):			
STANDARD ID:	BNA814		
SENSITIVITY ID:	FSS542		
UNITS:	UG/L		

ORIGINAL (Red)

PP #	CAS #		CONC
58A	100-02-7	4-NITROPHENOL	100. U
8H	132-64-9	DIBENZOFURAN	20. U
35B	121-14-2	2,4-DINITROTOLUENE	20. U
36B	606-20-2	2,6-DINITROTOLUENE	20. U
70B	84-66-2	DIETHYLPHTHALATE	20. U
4[illegible]	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	20. U
[illegible]	86-73-7	FLUORENE	20. U
12[illegible]	100-01-6	4-NITROANILINE	100. U
60A	534-52-1	4,6-DINITRO-O-CRESOL	100. U
62B	86-30-6	N-NITROSODIPHENYLAMINE	5. JB
41B	101-55-3	4-BROMOPHENOXYBENZENE	20. U
9B	118-74-1	HEXACHLOROBENZENE	20. U
64A	87-86-5	PENTACHLOROPHENOL	100. U
81B	85-01-8	PHENANTHRENE	20. U
78B	120-12-7	ANTHRACENE	20. U
68B	84-74-2	DI-N-BUTYLPHTHALATE	20. U
39B	206-44-0	FLUORANTHENE	20. U
84B	129-00-0	PYRENE	20. U
67B	85-68-7	BUTYLBENZYLPHTHALATE	20. U
28B	91-94-1	3,3'-DICHLOROBENZIDINE	40. U
72B	56-55-3	BENZO (A) ANTHRACENE	20. U
66B	117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	20. U
76B	218-01-9	CHRYSENE	20. U
69B	117-84-0	DI-N-OCTYLPHTHALATE	20. U
74B	205-99-2	BENZO (B & K) FLUORANTHENE	20. U
73B	50-32-8	BENZO (A) PYRENE	20. U
33B	193-39-5	INDENO-1,2,3 (C,D) PYRENE	20. U
82B	53-70-3	DIBENZO (A,H) ANTHRACENE	20. U
79B	191-24-2	BENZO (G,H,I) PERYLENE	20. U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS.

Sample #: CBH5S

Laboratory: IT/Cerritos
Lab ID: 319-19
Lab ID for Dil: —
Sample Matrix: Water
Data Release Authorized by: TAR/TAR

Case #/SAS #: 5215
QC Report #: 6962-245
Contract #: 68-01-6962
Date Rec'd: 11-14-85

Organics Analysis Data Sheet
Pesticide/PCB's

Sample Level: Low
Date Extracted: 11-14-85
Date Analyzed: 11-27-85
Spl->Extract: 1l → 10ml, 1ml → 5ml
For Dilution: —
pH: Not Analyzed
% Moisture:
% Moisture (Decanted):
Lab Std ID: 319-475

ALL RESULTS ARE REPORTED ON WET WEIGHT BASIS.

ORIGINAL (Red)

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

319-84-6	alpha-BHC	0.05U
319-85-7	beta-BHC	
319-86-8	delta-BHC	
58-89-9	gamma-BHC (Lindane)	
76-44-8	Heptachlor	
309-00-2	Aldrin	
1024-57-3	Heptachlor Epoxide	
959-98-8	Endosulfan I	V
60-57-1	Dieldrin	0.1U
72-55-9	4,4'-DDE	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4,4'-DDD	
1031-07-8	Endosulfan Sulfate	
50-29-3	4,4'-DDT	V
72-43-5	Methoxychlor	0.5U
53494-70-5	Endrin Ketone	0.1U
57-74-9	Chlordane	0.5U
8001-35-2	Toxaphene	1U
12674-11-2	Arochlor-1016	0.5U
11104-28-2	Arochlor-1221	
11141-16-5	Arochlor-1232	
53469-21-9	Arochlor-1242	
12672-29-6	Arochlor-1248	V
11097-69-1	Arochlor-1254	1U
11096-82-5	Arochlor-1260	V

U - Analyzed for but not detected (Reported Value is Detection Limit-DL)
J - Estimated Value (0 < Value < DL)
C - Confirmed by GC/MS-GC Quantitation
B - Compound found in Blank. Sample results are not Blank Corrected.
** - Detected below GC/MS DL-GC Quantitation
N - Not Confirmed by GC/MS-GC/MS DL
NA - Not Analyzed
NR - Not Reported

V_i = Volume of extract injected (ul)
V_s = Volume of water extracted (ml)
W_s = Weight of sample extracted (g)
V_t = Volume of total extract (ul)

V_s 1000 ml or
W_s — g
V_t 10,000 ul
V_i 1 ul

Surrogate Spike Recoveries — Circle Units: ug/Kg, (ug/L)

Lab ID	Fraction	Compound	Conc. Sample	Conc. Spiked	% Recovery
319-19	Pest.	Dibutyl Chlorendate	0.71	1.0	71

* - Asterisked Values are outside QC Limits. NS - Not Spiked
# - _____ Recoveries due to Dilution.
@ - _____ Recoveries due to Matrix Effects.

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ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB884

ABORATORY IT/CERR
LABORATORY ID: 35031N7
M[redacted]X: WATER

CASE #/SAS #: 5215
QC REPORT #: 6962-247
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

ATA RELEASE AUTHORIZED BY:

Valley Cr. Upstream

VOLATILE COMPOUNDS

LEVEL.	LOW
DATE EXT/PREP:	11/21/85
DATE ANALYZED:	11/21/85
SPL-->EXTRACT:	5ML
PH:	Not Analyzed
% MOISTURE (NOT DEC.)	
% MOISTURE (DEC.):	
STANDARD ID:	VOA535
SENSITIVITY ID:	BFD481
UNITS:	UG/L

ORIGINAL (Rec)

P #	CAS #		CONC	
45V	74-87-3	CHLOROMETHANE	10.	U
6V	74-83-9	BROMOMETHANE	10.	U
3V	75-01-4	VINYL CHLORIDE	10.	U
16V	75-00-3	CHLOROETHANE	10.	U
44V	75-09-2	METHYLENE CHLORIDE	20.	B
[redacted]	67-64-1	ACETONE	10.	U
[redacted]	75-15-0	CARBON DISULFIDE	5.	U
29V	75-35-4	1,1-DICHLOROETHENE	5.	U
3V	75-34-3	1,1-DICHLOROETHANE	5.	U
0V	156-60-5	TRANS-1,2-DICHLOROETHENE	5.	U
23V	67-66-3	CHLOROFORM	5.	U
0V	107-06-2	1,2-DICHLOROETHANE	5.	U
H	78-93-3	2-BUTANONE	10	U
11V	71-55-6	1,1,1-TRICHLOROETHANE	5.	U
4V	56-23-5	CARBON TETRACHLORIDE	5.	U
H	108-05-4	VINYL ACETATE	10.	U
4V	75-27-4	BROMODICHLOROMETHANE	5.	U
32V	78-87-5	1,2-DICHLOROPROPANE	5.	U
VT	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5.	U
V	79-01-6	TRICHLOROETHENE	5	U
51V	124-48-1	CHLORODIBROMOMETHANE	5	U
V	79-00-5	1,1,2-TRICHLOROETHANE	5.	U
V	71-43-2	BENZENE	5	U
33VC	10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
19V	110-75-8	2-CHLOROETHYLVINYL ETHER	10	U
4 V	75-25-2	BROMOFORM	5.	U
0H	519-78-6	2-HEXANONE	10.	U
17H	108-10-1	4-METHYL-2-PENTANONE	10.	U
V	127-18-4	TETRACHLOROETHENE	5.	U
V	79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
36	108-88-3	TOLUENE	5.	U
[redacted]	108-90-7	CHLOROBENZENE	5.	U
V	100-41-4	ETHYLBENZENE	5.	U
8H	100-42-5	STYRENE	5	U
20H	95-47-6	TOTAL XYLENES	5	U

AR100364

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS.

Sample #: CB884 (Hg)

Laboratory: IT/Cerritos
Lab ID: 2319-25
Lab ID for Dil: -
Sample Matrix: Water
Data Release Authorized by:

Case #/SAS #: 5215
QC Report #: 6962-247
Contract #: 68-01-6962
Date Rec'd: 11-14-85

Organics Analysis Data Sheet
Pesticide/PCB's

Sample Level: Low
Date Extracted: 11-16-85
Date Analyzed: 12-3-85
Spl->Extract: 1l->10ml; 5ml->5ml
For Dilution: —
pH: Not Analyzed
% Moisture:
% Moisture (Decanted):
Lab Std ID: 2319-2,5

ALL RESULTS ARE REPORTED ON WET WEIGHT BASIS.

ORIGINAL (Red)

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

319-84-6	alpha-BHC	0.05 u
319-85-7	beta-BHC	
319-86-8	delta-BHC	
58-89-9	gamma-BHC (Lindane)	
76-44-8	Heptachlor	
309-00-2	Aldrin	
1024-57-3	Heptachlor Epoxide	
959-98-8	Endosulfan I	
60-57-1	Dieldrin	0.1 u
72-55-9	4,4'-DDE	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4,4'-DDD	
1031-07-8	Endosulfan Sulfate	
50-29-3	4,4'-DDT	
72-43-5	Methoxychlor	0.5 u
53494-70-5	Endrin Ketone	0.1 u
57-74-9	Chlordane	0.5 u
8001-35-2	Toxaphene	1 u
12674-11-2	Arochlor-1016	0.5 u
11104-28-2	Arochlor-1221	
11141-16-5	Arochlor-1232	
53469-21-9	Arochlor-1242	
12672-29-6	Arochlor-1248	
11097-69-1	Arochlor-1254	1 u
11096-82-5	Arochlor-1260	

U - Analyzed for but not detected (Reported Value is Detection Limit-DL)
J - Estimated Value (0 < Value < DL)
C - Confirmed by GC/MS-GC Quantitation
B - Compound found in Blank. Sample results are not Blank Corrected.
** - Detected below GC/MS DL-GC Quantitation
N - Not Confirmed by GC/MS-GC/MS DL
NA - Not Analyzed
NR - Not Reported

V_i = Volume of extract injected (ul)
V_s = Volume of water extracted (ml)
W_s = Weight of sample extracted (g)
V_t = Volume of total extract (ul)

V_s 1000 ml or
W_s — g
V_t 10,000 ul
V_i 5 ul

Surrogate Spike Recoveries — Circle Units: ug/Kg, (ug/L)

Lab ID	Fraction	Compound	Conc. Sample	Conc. Spiked	% Recovery
2319-25	Pest.	Dibutyl Chlorendate	0.82	1.0	82

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

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ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB892

LABORATORY: IT/CERR
LABORATORY ID: 35031F11
MATRIX: WATER

CASE #/SAS #: 5215
QC REPORT #: 6952-247
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

DATA RELEASE AUTHORIZED BY:

SEMIVOLATILE COMPOUNDS (PAGE 1)

LEVEL	LOW	GPC	Y_ N X
DATE EXT/PREP:	11/18/85	SEP FUNNEL	Y_ N X
DATE ANALYZED:	12/13/85	CONT. EXT.	Y X N_
SPL-->EXTRACT	1L: 2ML		
PH:	Not Analyzed		
% MOISTURE (NOT DEC.):			
% MOISTURE (DEC.):			
STANDARD ID.	BNAZ453		
SENSITIVITY ID:	SENS858		
UNITS	UG/L		

ORIGINAL (Red)

CP #	CAS #		CONC
65A	108-95-2	PHENOL	20. U
18B	111-44-4	BIS (2-CHLOROETHYL) ETHER	20. U
24A	95-57-8	2-CHLOROPHENOL	20. U
26B	541-73-1	1,3-DICHLOROBENZENE	20. U
27B	106-46-7	1,4-DICHLOROBENZENE	20. U
[redacted]	100-51-6	BENZYL ALCOHOL	20. U
29B	95-50-1	1,2-DICHLOROBENZENE	20. U
2H	95-48-7	2-METHYLPHENOL	20. U
42B	39638-32-9	BIS (2-CHLOROISOPROPYL) ETHER	20. U
3H	106-44-5	4-METHYLPHENOL	20. U
63B	621-64-7	N-NITROSO-DI-N-PROPLYAMINE	20. U
12B	67-72-1	HEXACHLOROETHANE	20. U
56B	98-95-3	NITROBENZENE	20. U
54B	78-59-1	ISOPHORONE	20. U
57A	88-75-5	2-NITROPHENOL	20. U
34A	105-67-9	2,4-DIMETHYLPHENOL	20. U
1H	65-85-0	BENZOIC ACID	100. U
43B	111-91-1	BIS (2-CHLOROETHOXY) METHANE	20 U
31A	120-33-2	2,4-DICHLOROPHENOL	20. U
8B	120-82-1	1,2,4-TRICHLOROBENZENE	20. U
55B	91-20-3	NAPHTHALENE	20. U
7H	106-47-8	4-CHLOROANILINE	20. U
52B	87-68-3	HEXACHLOROBUTADIENE	20. U
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	20 U
9H	91-57-6	2-METHYLNAPHTHALENE	20. U
53B	77-47-4	HEXACHLOROCYCLOPENTADIENE	20. U
21A	88-06-2	2,4,6-TRICHLOROPHENOL	20. U
4H	95-95-4	2,4,5-TRICHLOROPHENOL	100. U
20B	91-58-7	2-CHLORONAPHTHALENE	20. U
10H	88-74-4	2-NITROANILINE	100. U
[redacted]	131-11-3	DIMETHYLPHTHALATE	20. U
[redacted]	208-96-8	ACENAPHTHALENE	20. U
11H	99-09-2	3-NITROANILINE	100. U
1B	83-32-9	ACENAPHTHENE	20. U
59A	51-28-5	2,4-DINITROPHENOL	100. U

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB892

LABORATORY: IT/CERR
LABORATORY ID: 35031F11
MATRIX: WATER

CASE #/SAS #: 5215
QC REPORT #: 6962-267
CONTRACT #: 68-01-6962
DATE RECEIVED 11/14/85

DATA RELEASE AUTHORIZED BY:

SEMIVOLATILE COMPOUNDS (PAGE 2)

LEVEL:	LOW	GPC	Y_ N X
DATE EXT/PREP:	11/18/85	SEP. FUNNEL	Y_ N X
DATE ANALYZED:	12/13/85	CONT. EXT.	Y X N_
SPL-->EXTRACT:	1L: 2ML		
PH:	Not Analyzed		
% MOISTURE (NOT DEC.):			
% MOISTURE (DEC.).			
STANDARD ID:	BNAZ453		
SENSITIVITY ID.	SENS858		
UNITS:	UG/L		

PP #	CAS #		CONC
58A	100-02-7	4-NITROPHENOL	100. U
8H	132-64-9	DIBENZOFURAN	20. U
35B	121-14-2	2,4-DINITROTOLUENE	20. U
36B	606-20-2	2,6-DINITROTOLUENE	20. U
70B	84-66-2	DIETHYLPHTHALATE	20. U
40B	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	20. U
80B	86-73-7	FLUORENE	20. U
12H	100-01-6	4-NITROANILINE	100. U
60A	534-52-1	4,6-DINITRO-O-CRESOL	100 U
62B	86-30-6	N-NITROSODIPHENYLAMINE	20. U
41B	101-55-3	4-BROMOPHENOXYBENZENE	20. U
9B	118-74-1	HEXACHLOROBENZENE	20. U
64A	87-86-5	PENTACHLOROPHENOL	100. U
81B	85-01-8	PHENANTHRENE	20. U
78B	120-12-7	ANTHRACENE	20 U
68B	84-74-2	DI-N-BUTYLPHTHALATE	20. U
39B	206-44-0	FLUORANTHENE	20 U
84B	129-00-0	PYRENE	20. U
67B	85-68-7	BUTYLBENZYLPHTHALATE	20. U
28B	91-94-1	3,3'-DICHLOROBENZIDINE	40. U
72B	56-55-3	BENZO (A) ANTHRACENE	20. U
66B	117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	20. U
76B	218-01-9	CHRYSENE	20 U
69B	117-84-0	DI-N-OCTYLPHTHALATE	20 U
74B	205-99-2	BENZO (B & K) FLUORANTHENE	20. U
73B	50-32-8	BENZO (A) PYRENE	20. U
33B	193-39-5	INDENO-1,2,3 (C,D) PYRENE	20. U
82B	53-70-3	DIBENZO (A,H) ANTHRACENE	20. U
79B	191-24-2	BENZO (G,H,I) PERYLENE	20 U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS.

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB892

LABORATORY: IT/CERR
LABORATORY ID: 35031F11
MATRIX: WATER

CASE #/SAS #: 5215
QC REPORT #: 6952-247
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

DATA RELEASE AUTHORIZED BY:

SEMIVOLATILE COMPOUNDS (PAGE 1)

LEVEL	LOW	GPC	Y_ N X
DATE EXT/PREP:	11/18/85	SEP FUNNEL	Y_ N X
DATE ANALYZED:	12/13/85	CONT. EXT.	Y X N_
SPL-->EXTRACT:	1L: 2ML		
PH:	Not Analyzed		
% MOISTURE (NOT DEC.):			
% MOISTURE (DEC.):			
STANDARD ID.	BNAZ453		
SENSITIVITY ID:	SENS858		
UNITS:	UG/L		

PP #	CAS #		CONC
65A	108-95-2	PHENOL	20. U
18B	111-44-4	BIS (2-CHLOROETHYL) ETHER	20. U
24A	95-57-8	2-CHLOROPHENOL	20. U
26B	541-73-1	1,3-DICHLOROBENZENE	20. U
[redacted]	106-46-7	1,4-DICHLOROBENZENE	20. U
[redacted]	100-51-6	BENZYL ALCOHOL	20. U
25B	95-50-1	1,2-DICHLOROBENZENE	20. U
2H	95-48-7	2-METHYLPHENOL	20. U
42B	39638-32-9	BIS (2-CHLOROISOPROPYL) ETHER	20. U
3H	106-44-5	4-METHYLPHENOL	20. U
63B	621-64-7	N-NITROSO-DI-N-PROPLYAMINE	20. U
12B	67-72-1	HEXACHLOROETHANE	20. U
56B	98-95-3	NITROBENZENE	20. U
54B	78-59-1	ISOPHORONE	20. U
57A	88-75-5	2-NITROPHENOL	20. U
34A	105-67-9	2,4-DIMETHYLPHENOL	20. U
1H	65-85-0	BENZOIC ACID	100 U
43B	111-91-1	BIS (2-CHLOROETHOXY) METHANE	20. U
31A	120-33-2	2,4-DICHLOROPHENOL	20. U
8B	120-82-1	1,2,4-TRICHLOROBENZENE	20 U
55B	91-20-3	NAPHTHALENE	20. U
7H	106-47-8	4-CHLOROANILINE	20. U
52B	87-68-3	HEXACHLOROBUTADIENE	20. U
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	20. U
9H	91-57-6	2-METHYLNAPHTHALENE	20. U
53B	77-47-4	HEXACHLOROCYCLOPENTADIENE	20 U
21A	88-06-2	2,4,6-TRICHLOROPHENOL	20. U
4H	95-95-4	2,4,5-TRICHLOROPHENOL	100. U
20B	91-58-7	2-CHLORONAPHTHALENE	20. U
[redacted]H	88-74-4	2-NITROANILINE	100. U
[redacted]B	131-11-3	DIMETHYLPHTHALATE	20. U
[redacted]B	208-96-8	ACENAPHTHALENE	20. U
11H	99-09-2	3-NITROANILINE	100. U
1B	83-32-9	ACENAPHTHENE	20. U
59A	51-28-5	2,4-DINITROPHENOL	100. U

ORIGINAL (Red)

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB892

LABORATORY: IT/CERR
LABORATORY ID: 35031F11
MATRIX: WATER

CASE #/SAS #: 5215
QC REPORT #: 6962-287
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

DATA RELEASE AUTHORIZED BY:

SEMIVOLATILE COMPOUNDS (PAGE 2)

LEVEL:	LOW	GPC	Y_ N X
DATE EXT/PREP:	11/18/85	SEP. FUNNEL	Y_ N X
DATE ANALYZED:	12/13/85	CONT. EXT.	Y X N_
SPL-->EXTRACT:	1L. 2ML		
PH:	Not Analyzed		
% MOISTURE (NOT DEC.):			
% MOISTURE (DEC.):			
STANDARD ID:	BNAZ453		
SENSITIVITY ID.	SENS858		
UNITS:	UG/L		

PP #	CAS #		CONC
58A	100-02-7	4-NITROPHENOL	100. U
8H	132-64-9	DIBENZOFURAN	20. U
35B	121-14-2	2,4-DINITROTOLUENE	20. U
36B	606-20-2	2,6-DINITROTOLUENE	20. U
70B	84-66-2	DIETHYLPHTHALATE	20. U
40B	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	20. U
80B	86-73-7	FLUORENE	20. U
12H	100-01-6	4-NITROANILINE	100. U
60A	534-52-1	4,6-DINITRO-O-CRESOL	100. U
62B	86-30-6	N-NITROSODIPHENYLAMINE	20. U
41B	101-55-3	4-BROMOPHENOXYBENZENE	20 U
9B	118-74-1	HEXACHLOROBENZENE	20. U
64A	87-86-5	PENTACHLOROPHENOL	100. U
81B	85-01-8	PHENANTHRENE	20. U
78B	120-12-7	ANTHRACENE	20. U
68B	84-74-2	DI-N-BUTYLPHTHALATE	20 U
39B	206-44-0	FLUORANTHENE	20. U
84B	129-00-0	PYRENE	20. U
67B	85-68-7	BUTYLBENZYLPHTHALATE	20 U
28B	91-94-1	3,3'-DICHLOROBENZIDINE	40. U
72B	56-55-3	BENZO (A) ANTHRACENE	20. U
66B	117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	20. U
76B	218-01-9	CHRYSENE	20 U
69B	117-84-0	DI-N-OCTYLPHTHALATE	20. U
74B	205-99-2	BENZO (B & K) FLUORANTHENE	20 U
73B	50-32-8	BENZO (A) PYRENE	20. U
83B	193-39-5	INDENO-1,2,3 (C,D) PYRENE	20 U
82B	53-70-3	DIBENZO (A,H) ANTHRACENE	20. U
79B	191-24-2	BENZO (G,H,I) PERYLENE	20. U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS.

Sample #: CB892 (4)

Laboratory: IT/Carritos
Lab ID: 2319-31
Lab ID for Dil: —
Sample Matrix: Water
Data Release Authorized by: [signature]

Case #/SAS #: 5215
QC Report #: 5952-247
Contract #: 68-01-6962
Date Rec'd: 11-14-85

Organics Analysis Data Sheet
Pesticide/PCB's

Sample Level: Low
Date Extracted: 11-16-85
Date Analyzed: 12-3-85
Spl->Extract: 1l→10ml; 5ml→5ml
For Dilution: —
pH: ~~Not Analyzed~~
% Moisture: —
% Moisture (Decanted): —
Lab Std ID: 2319-4,5

ALL RESULTS ARE REPORTED ON WET WEIGHT BASIS.

ORIGINAL (Red)

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

319-84-6	alpha-BHC	0.05u
319-85-7	beta-BHC	
319-86-8	delta-BHC	
58-89-9	gamma-BHC (Lindane)	
76-44-8	Heptachlor	
309-00-2	Aldrin	
1024-57-3	Heptachlor Epoxide	
959-98-8	Endosulfan I	
60-57-1	Dieldrin	0.1u
72-55-9	4,4'-DDE	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4,4'-DDD	
1031-07-8	Endosulfan Sulfate	
50-29-3	4,4'-DDT	
72-43-5	Methoxychlor	0.5u
53494-70-5	Endrin Ketone	0.1u
57-74-9	Chlordane	0.5u
8001-35-2	Toxaphene	1u
12674-11-2	Arochlor-1016	0.5u
11104-28-2	Arochlor-1221	
11141-16-5	Arochlor-1232	
53469-21-9	Arochlor-1242	
12672-29-6	Arochlor-1248	
11097-69-1	Arochlor-1254	1u
11096-82-5	Arochlor-1260	

U - Analyzed for but not detected (Reported Value is Detection Limit-DL)
J - Estimated Value (0 < Value < DL)
C - Confirmed by GC/MS-GC Quantitation
B - Compound found in Blank. Sample results are not Blank Corrected.
** - Detected below GC/MS DL-GC Quantitation
N - Not Confirmed by GC/MS-GC/MS DL
NA - Not Analyzed
NR - Not Reported

V_i = Volume of extract injected (ul)
V_s = Volume of water extracted (ml)
W_s = Weight of sample extracted (g)
V_t = Volume of total extract (ul)

V_s 1000 ml or
W_s — g
V_t 10,000 ul
V_i 5 ul

Surrogate Spike Recoveries — Circle Units: ug/Kg, (ug/L)

Lab ID	Fraction	Compound	Conc. Sample	Conc. Spiked	% Recovery
2319-31	Pest.	Dibutyl Chlorendate	1.0	1.0	100

* - Asterisked Values are outside QC Limits. NS - Not Spiked
\# - _____ Recoveries due to Dilution.
s - _____ Recoveries due to Matrix Effects.

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ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB875

LABORATORY IT CERB
LABORATORY ID 85CCON10
MATRIX WATER
CASE #/SAS # 5215
QC REPORT # 6962-245
CONTRACT # 68-01-6962
DATE RECEIVED 11/14/85

DATA RELEASE AUTHORIZED BY: Elizabeth Martinez

Uncapped Tub upstream

VOLATILE COMPOUNDS

LEVEL	LOW
DATE EXT/PREP	11/21/85
DATE ANALYZED	11/21/85
SPL--EXTRACT	5ML
PH	Not Analyzed
% MOISTURE (NOT DEC)	
% MOISTURE (DEC)	
STANDARD ID.	VOA535
SENSITIVITY ID	BFD481
UNITS	UG/L

P #	CAS #		CONC
45V	74-87-3	CHLOROMETHANE	10. U
46V	74-83-9	BROMOMETHANE	10. U
3V	75-01-4	VINYL CHLORIDE	10 U
16V	75-00-3	CHLOROETHANE	10. U
44V	75-09-2	METHYLENE CHLORIDE	26. B
2H	67-64-1	ACETONE	6. JB
43H	75-15-0	CARBON DISULFIDE	5. U
29V	75-35-4	1,1-DICHLOROETHENE	5. U
3V	75-34-3	1,1-DICHLOROETHANE	5. U
3V	156-60-5	TRANS-1,2-DICHLOROETHENE	5. U
22V	67-66-3	CHLOROFORM	5 U
20V	107-06-2	1,2-DICHLOROETHANE	5. U
4H	78-93-3	2-BUTANONE	10 U
41V	71-55-6	1,1,1-TRICHLOROETHANE	5. U
6V	56-23-5	CARBON TETRACHLORIDE	5 U
9H	108-05-4	VINYL ACETATE	10. U
3V	75-27-4	BROMODICHLOROMETHANE	5 U
23V	78-87-5	1,2-DICHLOROPROPANE	5. U
3VT	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5 U
7V	79-01-6	TRICHLOROETHENE	5. U
51V	124-48-1	CHLORODIBROMOMETHANE	5 U
41V	79-00-5	1,1,2-TRICHLOROETHANE	5 U
1V	71-43-2	BENZENE	5. U
3VC	10061-01-5	CIS-1,3-DICHLOROPROPENE	5 U
19V	110-75-8	2-CHLOROETHYLVINYL ETHER	10 U
7V	75-25-2	BROMOFORM	5 U
5H	519-78-6	2-HEXANONE	10 U
17H	108-10-1	4-METHYL-2-PENTANONE	10 U
10V	127-18-4	TETRACHLOROETHENE	5 U
5V	79-34-5	1,1,2,2-TETRACHLOROETHANE	5 U
86V	108-88-3	TOLUENE	5 U
7V	108-90-7	CHLOROBENZENE	5 U
8V	100-41-4	ETHYLBENZENE	5 U
6H	100-42-5	STYRENE	5 U
9H	95-47-6	TOTAL XYLENES	5 U

ORIGINAL (Red)

AR100371

L RESULTS ARE REPORTED ON A WET WEIGHT BASIS

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB875

LABORATORY	IT/CERR	CASE #/SAS #:	5215
LABORATORY ID	35030F7	QC REPORT #:	6962-245
MATRIX.	WATER	CONTRACT #:	68-01-6962
		DATE RECEIVED:	11/14/85

DATA RELEASE AUTHORIZED BY: Elizabeth Martinez

SEMIVOLATILE COMPOUNDS (PAGE 1)

LEVEL.	LOW	GPC	Y_ N✓
DATE EXT/PREP:	11/16/85	SEP. FUNNEL	Y_ N✓
DATE ANALYZED:	12/11/85	CONT. EXT.	Y✓ N_
SPL-->EXTRACT	1L. 2ML		
PH	Not Analyzed		
% MOISTURE (NOT DEC.):			
% MOISTURE (DEC.):			
STANDARD ID	BNAZ450		
SENSITIVITY ID:	SENS853		
UNITS:	UG/L		

PP #	CAS #		CONC
65A	108-95-2	PHENOL	20. U
18B	111-44-4	BIS (2-CHLOROETHYL) ETHER	20. U
24A	95-57-8	2-CHLOROPHENOL	20. U
26B	541-73-1	1,3-DICHLOROBENZENE	20. U
27B	106-46-7	1,4-DICHLOROBENZENE	20 U
[redacted]	100-51-6	BENZYL ALCOHOL	20. U
[redacted]	95-50-1	1,2-DICHLOROBENZENE	20. U
2H	95-48-7	2-METHYLPHENOL	20. U
42B	39638-32-9	BIS (2-CHLOROISOPROPYL) ETHER	20. U
3H	106-44-5	4-METHYLPHENOL	20. U
63B	621-64-7	N-NITROSO-DI-N-PROPLYAMINE	20. U
12B	67-72-1	HEXACHLOROETHANE	20. U
56B	98-95-3	NITROBENZENE	20 U
54B	78-59-1	ISOPHORONE	20 U
57A	88-75-5	2-NITROPHENOL	20 U
34A	105-67-9	2,4-DIMETHYLPHENOL	20. U
1H	65-85-0	BENZOIC ACID	100. U
43B	111-91-1	BIS (2-CHLOROETHOXY) METHANE	20. U
31A	120-33-2	2,4-DICHLOROPHENOL	20. U
8B	120-82-1	1,2,4-TRICHLOROBENZENE	20. U
55B	91-20-3	NAPHTHALENE	20. U
7H	106-47-8	4-CHLOROANILINE	20 U
52B	87-68-3	HEXACHLOROBUTADIENE	20 U
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	20 U
9H	91-57-6	2-METHYLNAPHTHALENE	20 U
53B	77-47-4	HEXACHLOROCYCLOPENTADIENE	20 U
21A	88-06-2	2,4,6-TRICHLOROPHENOL	20 U
4H	95-95-4	2,4,5-TRICHLOROPHENOL	100 U
20B	91-58-7	2-CHLORONAPHTHALENE	20 U
10H	88-74-4	2-NITROANILINE	100 U
[redacted]	131-11-3	DIMETHYLPHTHALATE	20 U
[redacted]	208-96-8	ACENAPHTHALENE	20 U
11H	99-09-2	3-NITROANILINE	100 U
1B	83-32-9	ACENAPHTHENE	20. U
59A	51-28-5	2,4-DINITROPHENOL	100. U

ORIGINAL (Red)

AR100372

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB875

LABORATORY	IT/CERR	CASE #/SAS #:	5215
LABORATORY ID:	35030F7	QC REPORT #:	6962-245
MATRIX	WATER	CONTRACT #:	68-01-6962
		DATE RECEIVED:	11/14/85

DATA RELEASE AUTHORIZED BY Elizabeth Martinez

SEMIVOLATILE COMPOUNDS (PAGE 2)

LEVEL	LOW	GPC	Y_ N✓
DATE EXT/PREP:	11/16/85	SEP. FUNNEL	Y_ N✓
DATE ANALYZED:	12/11/85	CONT EXT.	Y✓ N_
SPL-->EXTRACT:	1L 2ML		
PH:	Not Analyzed		
% MOISTURE (NOT DEC.):			
% MOISTURE (DEC.):			
STANDARD ID:	BNAZ450		
SENSITIVITY ID:	SENS853		
UNITS:	UG/L		

PP #	CAS #		CONC
58A	100-02-7	4-NITROPHENOL	100. U
8H	132-64-9	DIBENZOFURAN	20. U
35B	121-14-2	2,4-DINITROTOLUENE	20. U
36B	606-20-2	2,6-DINITROTOLUENE	20. U
70B	84-66-2	DIETHYLPHTHALATE	20. U
40B	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	20. U
80B	86-73-7	FLUORENE	20. U
12H	100-01-6	4-NITROANILINE	100. U
60A	534-52-1	4,6-DINITRO-O-CRESOL	100. U
62B	86-30-6	N-NITROSODIPHENYLAMINE	20 U
41B	101-55-3	4-BROMOPHENOXYBENZENE	20. U
9B	118-74-1	HEXACHLOROBENZENE	20 U
64A	87-86-5	PENTACHLOROPHENOL	100. U
81B	85-01-8	PHENANTHRENE	20. U
78B	120-12-7	ANTHRACENE	20. U
68B	84-74-2	DI-N-BUTYLPHTHALATE	20. U
39B	206-44-0	FLUORANTHENE	20. U
84B	129-00-0	PYRENE	20 U
67B	85-68-7	BUTYLBENZYLPHTHALATE	20 U
28B	91-94-1	3,3'-DICHLOROBENZIDINE	40. U
72B	56-55-3	BENZO (A) ANTHRACENE	20 U
66B	117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	20. U
76B	218-01-9	CHRYSENE	20. U
69B	117-84-0	DI-N-OCTYLPHTHALATE	20. U
74B	205-99-2	BENZO (B & K) FLUORANTHENE	20 U
73B	50-32-8	BENZO (A) PYRENE	20. U
83B	193-39-5	INDENO-1,2,3 (C,D) PYRENE	20. U
32B	53-70-3	DIBENZO (A,H) ANTHRACENE	20. U
79B	191-24-2	BENZO (G,H,I) PERYLENE	20. U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS.

ORIGINAL (red)

Sample #: CB575

Laboratory: IT/Cerritos
Lab ID: 319-37
Lab ID for Dil:
Sample Matrix: Water
Data Release Authorized by: TAR/TAR

Case #/SAS #: 5215
QC Report #: 6962-245

Contract #: 68-01-6962
Date Rec'd: 11-17-87

Elizabeth Martinez

Organics Analysis Data Sheet
Pesticide/PCB's

Sample Level: Low
Date Extracted: 11-17-87
Date Analyzed: 11-20-87
Spl->Extract: 1l → 10ml, 1ml → 1ml
For Dilution:
pH: Not Analyzed
% Moisture:
% Moisture (Decanted):
Lab Std ID: 319-47

ALL RESULTS ARE REPORTED ON WET WEIGHT BASIS.

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

319-84-6	alpha-BHC	0.05U
319-85-7	beta-BHC	
319-86-8	delta-BHC	
58-89-9	gamma-BHC (Lindane)	
76-44-8	Heptachlor	
309-00-2	Aldrin	
1024-57-3	Heptachlor Epoxide	
959-98-8	Endosulfan I	
60-57-1	Dieldrin	0.1U
72-55-9	4,4'-DDE	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4,4'-DDD	
1031-07-8	Endosulfan Sulfate	
50-29-3	4,4'-DDT	
72-43-5	Methoxychlor	0.5U
53494-70-5	Endrin Ketone	0.1U
57-74-9	Chlordane	0.5U
8001-35-2	Toxaphene	1U
12674-11-2	Arochlor-1016	0.5U
11104-28-2	Arochlor-1221	
11141-16-5	Arochlor-1232	
53469-21-9	Arochlor-1242	
12672-29-6	Arochlor-1248	
11097-69-1	Arochlor-1254	1U
11096-82-5	Arochlor-1260	

U - Analyzed for but not detected (Reported Value is Detection Limit-DL)
J - Estimated Value (0 < Value < DL)
C - Confirmed by GC/MS-GC Quantitation
B - Compound found in Blank. Sample results are not Blank Corrected.
** - Detected below GC/MS DL-GC Quantitation
N - Not Confirmed by GC/MS-GC/MS DL
NA - Not Analyzed
NR - Not Reported

V_i = Volume of extract injected (ul)
V_s = Volume of water extracted (ml)
W_s = Weight of sample extracted (g)
V_t = Volume of total extract (ul)

ORIGINAL (Red)

V_s 1000 ml or
W_s ____ g
V_t 10,000 ul
V_i 1 ul

Surrogate Spike Recoveries — Circle Units: ug/Kg, (ug/L)

Lab ID	Fraction	Compound	Conc. Sample	Conc. Spiked	% Recovery
319-37	Pest.	Dibutyl Chlorendate	0.6	10	6*

* - Asterisked Values are outside QC Limits. NS - Not Spiked
# - _____ Recoveries due to Dilution.
s - _____ Recoveries due to Matrix Effects.

Rev 8/85

ORGANICS ANALYSIS DATA SHEET SAMPLE # CB875RE

LABORATORY	IT/CERR	CASE #/SAS #	5215
ABORATORY ID	35030A85	QC REPORT #	6962-245
ATRIX	WATER	CONTRACT #	68-01-6962
		DATE RECEIVED	11/14/85

ATA RELEASE AUTHORIZED BY Chrystie Sink

SEMIVOLATILE COMPOUNDS (PAGE 1)

LEVEL	LOW	GPC	Y_ N✓
DATE EXT/PREP	12/17/85	SEP. FUNNEL	Y_ N✓
DATE ANALYZED	01/10/86	CONT. EXT.	Y✓ N_
SPL-->EXTRACT	1L 2ML		
PH:	N/A	Sample Originally Extracted: 11/16/85	
% MOISTURE (NOT DEC.)		Re-Extracted Due To: low base/Neutral Surrogates	
% MOISTURE (DEC.)			
STANDARD ID	BNA864		
SENSITIVITY ID	FSS577		
UNITS.	UG/L		

FP #	CAS #		CONC
3A	108-95-2	PHENOL	20 U
3B	111-44-4	BIS (2-CHLOROETHYL) ETHER	20 U
24A	95-57-8	2-CHLOROPHENOL	20. U
5B	541-73-1	1,3-DICHLOROBENZENE	20. U
7B	106-46-7	1,4-DICHLOROBENZENE	20 U
6H	100-51-6	BENZYL ALCOHOL	20. U
25B	95-50-1	1,2-DICHLOROBENZENE	20 U
2H	95-48-7	2-METHYLPHENOL	20 U
42B	39638-32-9	BIS (2-CHLOROISOPROPYL) ETHER	20 U
3H	106-44-5	4-METHYLPHENOL	20. U
3B	621-64-7	N-NITROSO-DI-N-PROPLYAMINE	20. U
2B	67-72-1	HEXACHLOROETHANE	20. U
56B	98-95-3	NITROBENZENE	20 U
4B	78-59-1	ISOPHORONE	20 U
7A	88-75-5	2-NITROPHENOL	20 U
34A	105-67-9	2,4-DIMETHYLPHENOL	20 U
1H	65-85-0	BENZOIC ACID	100 U
3B	111-91-1	BIS (2-CHLOROETHOXY) METHANE	20. U
1A	120-33-2	2,4-DICHLOROPHENOL	20 U
8B	120-82-1	1,2,4-TRICHLOROBENZENE	20 U
5B	91-20-3	NAPHTHALENE	20 U
7H	106-47-8	4-CHLOROANILINE	20 U
52B	87-68-3	HEXACHLOROBUTADIENE	20 U
2A	59-50-7	4-CHLORO-3-METHYLPHENOL	20 U
7H	91-57-6	2-METHYLNAPHTHALENE	20 U
33B	77-47-4	HEXACHLOROCYCLOPENTADIENE	20 U
21A	88-06-2	2,4,6-TRICHLOROPHENOL	20 U
4H	95-95-4	2,4,5-TRICHLOROPHENOL	100 U
0B	91-58-7	2-CHLORONAPHTHALENE	20 U
10H	88-74-4	2-NITROANILINE	100. U
1B	131-11-3	DIMETHYLPHTHALATE	20 U
7B	208-96-8	ACENAPHTHALENE	20 U
11H	99-09-2	3-NITROANILINE	100. U
1B	83-32-9	ACENAPHTHENE	20 U
9A	51-28-5	2,4-DINITROPHENOL	100 U

ORIGINAL

AR100375

ORGANICS ANALYSIS DATA SHEET SAMPLE # CB875RE

[redacted]RATORY	IT/CERR	CASE #/SAS #	5215
[redacted]ORATORY ID.	35030A35	QC REPORT #	6962-245
MATRIX	WATER	CONTRACT #	68-01-6962
		DATE RECEIVED	11/14/85

DATA RELEASE AUTHORIZED BY Cheryl Suhl

SEMIVOLATILE COMPOUNDS (PAGE 2)

LEVEL	LOW	GPC	Y_ N✓
DATE EXT/PREP	12/17/85	SEP FUNNEL	Y_ N✓
DATE ANALYZED	01/10/86	CONT EXT	Y✓ N_
SPL-->EXTRACT	1L.2ML		
PH	NA	Sample Originally Extracted: 11/16/85	
% MOISTURE (NOT DEC)		Re-Extracted Due To: low base/neutral surrogate	
% MOISTURE (DEC)			
STANDARD ID	BNA864		
SENSITIVITY ID	FSS577		
UNITS	UG/L		

PP #	CAS #		CONC
58A	100-02-7	4-NITROPHENOL	100 U
8H	132-64-9	DIBENZOFURAN	20 U
35B	121-14-2	2,4-DINITROTOLUENE	20 U
36B	606-20-2	2,6-DINITROTOLUENE	20. U
[redacted]	84-66-2	DIETHYLPHTHALATE	20. U
[redacted]	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	20 U
80B	86-73-7	FLUORENE	20 U
12H	100-01-6	4-NITROANILINE	100 U
60A	534-52-1	4,6-DINITRO-O-CRESOL	100 U
62B	86-30-6	N-NITROSODIPHENYLAMINE	20. U
41B	101-55-3	4-BROMOPHENOXYBENZENE	20. U
9B	118-74-1	HEXACHLOROBENZENE	20 U
64A	87-86-5	PENTACHLOROPHENOL	100 U
81B	85-01-8	PHENANTHRENE	20 U
78B	120-12-7	ANTHRACENE	20 U
68B	84-74-2	DI-N-BUTYLPHTHALATE	20 U
39B	206-44-0	FLUORANTHENE	20 U
84B	129-00-0	PYRENE	20 U
67B	85-68-7	BUTYLBENZYLPHTHALATE	20 U
28B	91-94-1	3,3'-DICHLOROBENZIDINE	40 U
72B	56-55-3	BENZO (A) ANTHRACENE	20. U
66B	117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	20 U
76B	218-01-9	CHRYSENE	20. U
69B	117-84-0	DI-N-OCTYLPHTHALATE	20 U
74B	205-99-2	BENZO (B) FLUORANTHENE	20 U
73B	50-32-8	BENZO (A) PYRENE	20 U
83B	193-39-5	INDENO (1,2,3-C,D) PYRENE	20 U
82B	53-70-3	DIBENZO (A,H) ANTHRACENE	20. U
77B	191-24-2	BENZO (G,H,I) PERYLENE	20 U

[redacted] RESULTS ARE REPORTED ON A WET WEIGHT BASIS

ORIGINAL

AR100376

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB470

RATORY IT/CERR
TORY ID 35029N14
I WATER

CASE #/SAS #: 5215
QC REPORT # 6962-249
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

ELEASE AUTHORIZED BY:

Review WH

/ VOLATILE COMPOUNDS

LEVEL	LOW
DATE EXT/PREP	11/20/85
DATE ANALYZED	11/20/85
SPL--EXTRACT	5ML
PH	Not Analyzed
% MOISTURE (NOT DEC)	
% MOISTURE (DEC.)	
STANDARD ID	VOA532
SENSITIVITY ID	BFD478
UNITS	UG/L

#	CAS #		CONC	
	74-87-3	CHLOROMETHANE	10 U	
	74-83-9	BROMOMETHANE	10. U	
	75-01-4	VINYL CHLORIDE	10. U	
	75-00-3	CHLOROETHANE	10. U	
	75-09-2	METHYLENE CHLORIDE	24	B
H	67-64-1	ACETONE	10 U	
H	75-15-0	CARBON DISULFIDE	5 U	
	75-35-4	1,1-DICHLOROETHENE	5. U	
	75-34-3	1,1-DICHLOROETHANE	5. U	
	156-60-5	TRANS-1,2-DICHLOROETHENE	5. U	
	67-66-3	CHLOROFORM	5. U	
	107-06-2	1,2-DICHLOROETHANE	5. U	
	78-93-3	2-BUTANONE	10. U	
	71-55-6	1,1,1-TRICHLOROETHANE	5 U	
	56-23-5	CARBON TETRACHLORIDE	5. U	
H	108-05-4	VINYL ACETATE	10 U	
	75-27-4	BROMODICHLOROMETHANE	5. U	
	78-87-5	1,2-DICHLOROPROPANE	5. U	
VT	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5 U	
	79-01-6	TRICHLOROETHENE	5. U	
	124-48-1	CHLORODIBROMOMETHANE	5 U	
	79-00-5	1,1,2-TRICHLOROETHANE	5. U	
	71-43-2	BENZENE	5. U	
C	10061-01-5	CIS-1,3-DICHLOROPROPENE	5. U	
	110-75-8	2-CHLOROETHYLVINYL ETHER	10 U	
	75-25-2	BROMOFORM	5 U	
	519-78-6	2-HEXANONE	10 U	
	108-10-1	4-METHYL-2-PENTANONE	10 U	
	127-18-4	TETRACHLOROETHENE	5 U	
	79-34-5	1,1,2,2-TETRACHLOROETHANE	5 U	
	108-88-3	TOLUENE	5. U	
	108-90-7	CHLOROBENZENE	5. U	
	100-41-4	ETHYLBENZENE	5. U	
H	100-42-5	STYRENE	5. U	
H	95-47-6	TOTAL XYLENES	5. U	

ORIGINAL COPY

AR100377

WET WEIGHT BASIS

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB470

[redacted]RATORY: IT/CERR
[redacted]RATORY ID: 3502983
MATRIX: WATER

CASE #/SAS #: 5215
GC REPORT #: 5352-245
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

DATA RELEASE AUTHORIZED BY:

SEMIVOLATILE COMPOUNDS (PAGE 1)

LEVEL:	LOW	GPC	Y_	N X
DATE EXT/PREP:	11/16/85	SEP. FUNNEL	Y_	N X
DATE ANALYZED:	12/11/85	CONT. EXT.	Y X	N_
SPL-->EXTRACT:	1L:2ML			
PH:	Not Analyzed			
% MOISTURE (NOT DEC.):				
% MOISTURE (DEC.):				
STANDARD ID:	BNA813			
SENSITIVITY ID:	FSS541			
UNITS.	UG/L			

>P #	CAS #		CONC
65A	108-95-2	PHENOL	20. U
18B	111-44-4	BIS (2-CHLOROETHYL) ETHER	20. U
24A	95-57-8	2-CHLOROPHENOL	20. U
26B	541-73-1	1,3-DICHLOROBENZENE	20. U
[redacted]	106-46-7	1,4-DICHLOROBENZENE	20. U
6H	100-51-6	BENZYL ALCOHOL	20. U
25B	95-50-1	1,2-DICHLOROBENZENE	20. U
2H	95-48-7	2-METHYLPHENOL	20. U
42B	39638-32-9	BIS (2-CHLOROISOPROPYL) ETHER	20. U
3H	106-44-5	4-METHYLPHENOL	20. U
63B	621-64-7	N-NITROSO-DI-N-PROPLYAMINE	20. U
2B	67-72-1	HEXACHLOROETHANE	20. U
56B	98-95-3	NITROBENZENE	20. U
54B	78-59-1	ISOPHORONE	20. U
7A	88-75-5	2-NITROPHENOL	20. U
4A	105-67-9	2,4-DIMETHYLPHENOL	20. U
1H	65-85-0	BENZOIC ACID	100. U
3B	111-91-1	BIS (2-CHLOROETHOXY) METHANE	20. U
1A	120-33-2	2,4-DICHLOROPHENOL	20. U
8B	120-82-1	1,2,4-TRICHLOROBENZENE	20. U
5B	91-20-3	NAPHTHALENE	20. U
7H	106-47-8	4-CHLOROANILINE	20. U
52B	87-68-3	HEXACHLOROBUTADIENE	20. U
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	20. U
9H	91-57-6	2-METHYLNAPHTHALENE	20. U
3B	77-47-4	HEXACHLOROCYCLOPENTADIENE	20. U
21A	88-06-2	2,4,6-TRICHLOROPHENOL	20. U
4H	95-95-4	2,4,5-TRICHLOROPHENOL	100 U
0B	91-58-7	2-CHLORONAPHTHALENE	20. U
1[redacted]	88-74-4	2-NITROANILINE	100. U
71	131-11-3	DIMETHYLPHTHALATE	20. U
7B	208-96-8	ACENAPHTHALENE	20. U
1H	99-09-2	3-NITROANILINE	100. U
1B	83-32-9	ACENAPHTHENE	20. U
9A	51-28-5	2,4-DINITROPHENOL	100. U

ORIGINAL (Red)

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB470

LABORATORY: IT/CERR
LABORATORY ID: 35029B3
MATRIX. WATER

CASE #/SAS #: 5215
QC REPORT #: 6962-245
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

DATA RELEASE AUTHORIZED BY:

SEMIVOLATILE COMPOUNDS (PAGE 2)

LEVEL:	LOW	GPC	Y_ N X
DATE EXT/PREP:	11/16/85	SEP. FUNNEL	Y_ N X
DATE ANALYZED:	12/11/85	CONT. EXT.	Y X N_
SPL-->EXTRACT:	1L: 2ML		
PH:	Not Analyzed		
% MOISTURE (NOT DEC.):			
% MOISTURE (DEC.):			
STANDARD ID:	BNA813		
SENSITIVITY ID:	FSS541		
UNITS.	UG/L		

PP #	CAS #		CONC
58A	100-02-7	4-NITROPHENOL	100. U
8H	132-64-9	DIBENZOFURAN	20. U
35B	121-14-2	2,4-DINITROTOLUENE	20. U
36B	606-20-2	2,6-DINITROTOLUENE	20. U
70B	84-66-2	DIETHYLPHTHALATE	20. U
40B	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	20. U
80B	86-73-7	FLUORENE	20. U
12H	100-01-6	4-NITROANILINE	100. U
60A	534-52-1	4,6-DINITRO-O-CRESOL	100. U
62B	86-30-6	N-NITROSODIPHENYLAMINE	8. JB
41B	101-55-3	4-BROMOPHENOXYBENZENE	20. U
9B	118-74-1	HEXACHLOROBENZENE	20. U
64A	87-86-5	PENTACHLOROPHENOL	100. U
81B	85-01-8	PHENANTHRENE	20. U
78B	120-12-7	ANTHRACENE	20. U
68B	84-74-2	DI-N-BUTYLPHTHALATE	20. U
39B	206-44-0	FLUORANTHENE	20. U
34B	129-00-0	PYRENE	20. U
67B	85-68-7	BUTYLBENZYLPHTHALATE	20. U
28B	91-94-1	3,3'-DICHLOROBENZIDINE	40. U
72B	56-55-3	BENZO (A) ANTHRACENE	20. U
66B	117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	20. U
76B	218-01-9	CHRYSENE	20. U
59B	117-84-0	DI-N-OCTYLPHTHALATE	20. U
74B	205-99-2	BENZO (B & K) FLUORANTHENE	20. U
73B	50-32-8	BENZO (A) PYRENE	20. U
33B	193-39-5	INDENO-1,2,3 (C,D) PYRENE	20. U
32B	53-70-3	DIBENZO (A,H) ANTHRACENE	20. U
79B	191-24-2	BENZO (G,H,I) PERYLENE	20. U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS.

Sample #: CB470

Laboratory: IT/Cerritos
Lab ID: 319-24
Lab ID for Dil: —
Sample Matrix: Water
Data Release Authorized by: TAR/TAR

Case #/SAS #: 5215
QC Report #: 6962-245
Contract #: 68-01-6962
Date Rec'd: 11-14-95

Organics Analysis Data Sheet
Pesticide/PCB's

Sample Level: Low
Date Extracted: 11-14-95
Date Analyzed: 11-27-95
Spl->Extract: 1l → 10mL, 1mL → 1mL
For Dilution: —
pH: Not Analyzed
% Moisture: —
% Moisture (Decanted): —
Lab Std ID: 319-475

ALL RESULTS ARE REPORTED ON WET WEIGHT BASIS.

		Circle Units: ug/Kg, (ug/L)
319-84-6	alpha-BHC	0.05U
319-85-7	beta-BHC	
319-86-8	delta-BHC	
58-89-9	gamma-BHC (Lindane)	
76-44-8	Heptachlor	
309-00-2	Aldrin	
1024-57-3	Heptachlor Epoxide	
959-98-8	Endosulfan I	V
60-57-1	Dieldrin	0.1U
72-55-9	4,4'-DDE	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4,4'-DDD	
1031-07-8	Endosulfan Sulfate	
50-29-3	4,4'-DDT	V
72-43-5	Methoxychlor	0.1U
53494-70-5	Endrin Ketone	0.1U
57-74-9	Chlordane	0.5U
8001-35-2	Toxaphene	1U
12674-11-2	Arochlor-1016	0.5U
11104-28-2	Arochlor-1221	
11141-16-5	Arochlor-1232	
53469-21-9	Arochlor-1242	
12672-29-6	Arochlor-1248	V
11097-69-1	Arochlor-1254	1U
11096-82-5	Arochlor-1260	V

U - Analyzed for but not detected (Reported Value is Detection Limit-DL)
J - Estimated Value (0 < Value < DL)
C - Confirmed by GC/MS-GC Quantitation
B - Compound found in Blank. Sample results are not Blank Corrected.
** - Detected below GC/MS DL-GC Quantitation
N - Not Confirmed by GC/MS-GC/MS DL
NA - Not Analyzed
NR - Not Reported

V_i = Volume of extract injected (ul)
V_s = Volume of water extracted (ml)
W_s = Weight of sample extracted (g)
V_t = Volume of total extract (ul)

V_s 1000 ml or
W_s — g
V_t 10,000 ul
V_i 1 ul

Surrogate Spike Recoveries

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

Lab ID	Fraction	Compound	Conc. Sample	Conc. Spiked	% Recovery
319-24	Peat.	Dibutyl Chlorendate	0.60	1.0	60

* - Asterisked Values are outside QC Limits.
\# - _____ Recoveries due to Dilution.
s - _____ Recoveries due to Matrix Effects.
NS - Not Spiked

Rev 8/85

AR100380

ORGANICS ANALYSIS DATA SHEET SAMPLE #. CB471

LABORATORY IT/CERR
LABORATORY ID. 35029N13
MATRIX WATER

CASE #/SAS #: 5215
QC REPORT #: 6962-245
CONTRACT #: 68-01-6962
DATE RECEIVED. 11/14/85

DATA RELEASE AUTHORIZED BY:

Schneider w/h

VOLATILE COMPOUNDS

LEVEL:	LOW
DATE EXT/PREP:	11/20/85
DATE ANALYZED	11/20/85
SPL--EXTRACT	5ML
PH.	Not Analyzed
% MOISTURE (NOT DEC):	
% MOISTURE (DEC.):	
STANDARD ID:	VOA532
SENSITIVITY ID:	BFD478
UNITS	UG/L

F #	CAS #		CONC
45V	74-87-3	CHLOROMETHANE	10. U
4 V	74-83-9	BROMOMETHANE	10. U
E V	75-01-4	VINYL CHLORIDE	10. U
16V	75-00-3	CHLOROETHANE	10. U
4 V	75-09-2	METHYLENE CHLORIDE	16. B
1 H	67-64-1	ACETONE	10. U
15H	75-15-0	CARBON DISULFIDE	5. U
2ºV	75-35-4	1,1-DICHLOROETHENE	5 U
1 V	75-34-3	1,1-DICHLOROETHANE	5 U
3uV	156-60-5	TRANS-1,2-DICHLOROETHENE	5. U
23V	67-66-3	CHLOROFORM	5. U
1 V	107-06-2	1,2-DICHLOROETHANE	5. U
1 H	78-93-3	2-BUTANONE	10 U
1 V	71-55-6	1,1,1-TRICHLOROETHANE	5. U
V	56-23-5	CARBON TETRACHLORIDE	5 U
1 H	108-05-4	VINYL ACETATE	10. U
48V	75-27-4	BROMODICHLOROMETHANE	5 U
3ºV	78-87-5	1,2-DICHLOROPROPANE	5. U
2 VT	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5. U
3,V	79-01-6	TRICHLOROETHENE	5 U
51V	124-48-1	CHLORODIBROMOMETHANE	5. U
1 V	79-00-5	1,1,2-TRICHLOROETHANE	5. U
V	71-43-2	BENZENE	5 U
33VC	10061-01-5	CIS-1,3-DICHLOROPROPENE	5 U
1ºV	110-75-8	2-CHLOROETHYLVINYL ETHER	10 U
4 V	75-25-2	BROMOFORM	5 U
16H	519-78-6	2-HEXANONE	10 U
17H	108-10-1	4-METHYL-2-PENTANONE	10 U
8 V	127-18-4	TETRACHLOROETHENE	5 U
1 V	79-34-5	1,1,2,2-TETRACHLOROETHANE	5 U
86V	108-88-3	TOLUENE	5 U
V	108-90-7	CHLOROBENZENE	5 U
3 V	100-41-4	ETHYLBENZENE	5. U
18H	100-42-5	STYRENE	5 U
20H	95-47-6	TOTAL XYLENES	5 U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS.

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB471

LABORATORY: IT/CERR
LABORATORY ID: 3502982
MATRIX: WATER
CASE #/SAS #: 5215
GC REPORT #: 6962-2B5
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

DATA RELEASE AUTHORIZED BY:

SEMIVOLATILE COMPOUNDS (PAGE 1)

LEVEL:	LOW	GPC	Y_ N X
DATE EXT/PREP:	11/16/85	SEP. FUNNEL	Y_ N X
DATE ANALYZED	12/10/85	CONT. EXT.	Y X N_
SPL-->EXTRACT:	1L:2ML		
PH:	Not Analyzed		
% MOISTURE (NOT DEC.):			
% MOISTURE (DEC.):			
STANDARD ID:	BNA813		
SENSITIVITY ID:	FSS541		
UNITS:	UG/L		

PP #	CAS #		CONC
65A	108-95-2	PHENOL	20. U
18B	111-44-4	BIS (2-CHLOROETHYL) ETHER	20. U
24A	95-57-8	2-CHLOROPHENOL	20. U
26B	541-73-1	1,3-DICHLOROBENZENE	20. U
27B	106-46-7	1,4-DICHLOROBENZENE	20. U
[redacted]	100-51-6	BENZYL ALCOHOL	20. U
	95-50-1	1,2-DICHLOROBENZENE	20. U
2H	95-48-7	2-METHYLPHENOL	20. U
42B	39638-32-9	BIS (2-CHLOROISOPROPYL) ETHER	20. U
3H	106-44-5	4-METHYLPHENOL	20. U
63B	621-64-7	N-NITROSO-DI-N-PROPLYAMINE	20. U
12B	67-72-1	HEXACHLOROETHANE	20. U
56B	98-95-3	NITROBENZENE	20. U
54B	78-59-1	ISOPHORONE	20. U
57A	88-75-5	2-NITROPHENOL	20. U
34A	105-67-9	2,4-DIMETHYLPHENOL	20. U
1H	65-85-0	BENZOIC ACID	100. U
43B	111-91-1	BIS (2-CHLOROETHOXY) METHANE	20. U
31A	120-33-2	2,4-DICHLOROPHENOL	20. U
8B	120-82-1	1,2,4-TRICHLOROBENZENE	20. U
55B	91-20-3	NAPHTHALENE	20. U
7H	106-47-8	4-CHLOROANILINE	20. U
52B	87-68-3	HEXACHLOROBUTADIENE	20. U
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	20. U
9H	91-57-6	2-METHYLNAPHTHALENE	20. U
53B	77-47-4	HEXACHLOROCYCLOPENTADIENE	20. U
21A	88-06-2	2,4,6-TRICHLOROPHENOL	20. U
4H	95-95-4	2,4,5-TRICHLOROPHENOL	100. U
20B	91-58-7	2-CHLORONAPHTHALENE	20. U
0H	88-74-4	2-NITROANILINE	100. U
[redacted]	131-11-3	DIMETHYLPHTHALATE	20. U
[redacted]	208-96-8	ACENAPHTHALENE	20. U
1H	99-09-2	3-NITROANILINE	100. U
1B	83-32-9	ACENAPHTHENE	20. U
59A	51-28-5	2,4-DINITROPHENOL	100. U

ORIGINAL (Red)

AR100382

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB471

LABORATORY: IT/CERR
LABORATORY ID: 35029B2
MATRIX. WATER

CASE #/SAS #: 5215
QC REPORT #: 6962-245
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

DATA RELEASE AUTHORIZED BY:

SEMIVOLATILE COMPOUNDS (PAGE 2)

LEVEL:	LOW	GPC	Y_	N X
DATE EXT/PREP:	11/16/85	SEP. FUNNEL	Y_	N X
DATE ANALYZED:	12/10/85	CONT. EXT.	Y X	N_
SPL-->EXTRACT:	1L:2ML			
PH:	Not Analyzed			
% MOISTURE (NOT DEC.):				
% MOISTURE (DEC.):				
STANDARD ID:	BNA813			
SENSITIVITY ID:	FSS541			
UNITS:	UG/L			

PP #	CAS #		CONC
58A	100-02-7	4-NITROPHENOL	100. U
8H	132-64-9	DIBENZOFURAN	20. U
35B	121-14-2	2,4-DINITROTOLUENE	20. U
36B	606-20-2	2,6-DINITROTOLUENE	20. U
70B	84-66-2	DIETHYLPHTHALATE	20. U
40B	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	20. U
80B	86-73-7	FLUORENE	20. U
12H	100-01-6	4-NITROANILINE	100. U
60A	534-52-1	4,6-DINITRO-O-CRESOL	100. U
62B	86-30-6	N-NITROSODIPHENYLAMINE	7. JB
41B	101-55-3	4-BROMOPHENOXYBENZENE	20. U
9B	118-74-1	HEXACHLOROBENZENE	20. U
64A	87-86-5	PENTACHLOROPHENOL	100. U
81B	85-01-8	PHENANTHRENE	20. U
78B	120-12-7	ANTHRACENE	20. U
68B	84-74-2	DI-N-BUTYLPHTHALATE	20. U
39B	206-44-0	FLUORANTHENE	20. U
84B	129-00-0	PYRENE	20. U
67B	85-68-7	BUTYLBENZYLPHTHALATE	20. U
28B	91-94-1	3,3'-DICHLOROBENZIDINE	40. U
72B	56-55-3	BENZO (A) ANTHRACENE	20. U
66B	117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	20. U
76B	218-01-9	CHRYSENE	20. U
69B	117-84-0	DI-N-OCTYLPHTHALATE	20. U
74B	205-99-2	BENZO (B & K) FLUORANTHENE	20. U
73B	50-32-8	BENZO (A) PYRENE	20. U
33B	193-39-5	INDENO-1,2,3 (C,D) PYRENE	20. U
82B	53-70-3	DIBENZO (A,H) ANTHRACENE	20. U
79B	191-24-2	BENZO (G,H,I) PERYLENE	20. U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS.

ORIGINAL (Red)

Sample #: CB471

Laboratory: IT/Cerritos
Lab ID: 319-29
Lab ID for Dil: —
Sample Matrix: Water
Data Release Authorized by: TAR/TAR

Case #/SAS #: 5215
QC Report #: 6962-245
Contract #: 68-01-6962
Date Rec'd: 11-14-85

Organics Analysis Data Sheet
Pesticide/PCB's

Sample Level: Low
Date Extracted: 11-14-85
Date Analyzed: 11-22-85
Spl->Extract: 1L → 10ml, 1ml → 5ml
For Dilution: —
pH: Not Analyzed
% Moisture:
% Moisture (Decanted):
Lab Std ID: 319-445

ALL RESULTS ARE REPORTED ON WET WEIGHT BASIS.

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

319-84-6	alpha-BHC	0.05U
319-85-7	beta-BHC	
319-86-8	delta-BHC	
58-89-9	gamma-BHC (Lindane)	
76-44-8	Heptachlor	
309-00-2	Aldrin	
1024-57-3	Heptachlor Epoxide	
959-98-8	Endosulfan I	
60-57-1	Dieldrin	0.1U
72-55-9	4,4'-DDE	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4,4'-DDD	
1031-07-8	Endosulfan Sulfate	
50-29-3	4,4'-DDT	
72-43-5	Methoxychlor	0.5U
53494-70-5	Endrin Ketone	0.1U
57-74-9	Chlordane	0.5U
8001-35-2	Toxaphene	1U
12674-11-2	Arochlor-1016	0.5U
11104-28-2	Arochlor-1221	
11141-16-5	Arochlor-1232	
53469-21-9	Arochlor-1242	
12672-29-6	Arochlor-1248	
11097-69-1	Arochlor-1254	1U
11096-82-5	Arochlor-1260	

U - Analyzed for but not detected (Reported Value is Detection Limit-DL)
J - Estimated Value (0 < Value < DL)
C - Confirmed by GC/MS-GC Quantitation
B - Compound found in Blank. Sample results are not Blank Corrected.
** - Detected below GC/MS DL-GC Quantitation
N - Not Confirmed by GC/MS-GC/MS DL
NA - Not Analyzed
NR - Not Reported

ORIGINAL (Rec)

V_i = Volume of extract injected (ul)
V_s = Volume of water extracted (ml)
W_s = Weight of sample extracted (g)
V_t = Volume of total extract (ul)

V_s 1000 ml or
W_s — g
V_t 10,000 ul
V_i 5 ul

Surrogate Spike Recoveries — Circle Units: ug/Kg, (ug/L)

Lab ID	Fraction	Compound	Conc. Sample	Conc. Spiked	% Recovery
319-29	Pest.	Dibutyl Chlorendate	0.60	10	60

* - Asterisked Values are outside QC Limits. NS - Not Spiked
# - _____ Recoveries due to Dilution.
g - _____ Recoveries due to Matrix Effects.

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ORGANICS ANALYSIS DATA SHEET SAMPLE # CB873

ABORATORY	IT/CERR	CASE #/SAS #	5215
ABORATORY ID	35030N7	QC REPORT #	6962-245
MATRIX	WATER	CONTRACT #	68-01-6962
		DATE RECEIVED	11/14/85

ATA RELEASE AUTHORIZED BY Elizabeth Martinez

(Chuck W211

VOLATILE COMPOUNDS

LEVEL	LOW
DATE EXT/PREP	11/21/85
DATE ANALYZED	11/21/85
SPL--: EXTRACT	5 ML
PH	Not Analyzed
% MOISTURE (NOT DEC.)	
% MOISTURE (DEC)	
STANDARD ID:	VOA533
SENSITIVITY ID	BFD479
UNITS	UG/L

P #	CAS #		CONC	
45V	74-87-3	CHLOROMETHANE	10	U
46V	74-83-9	BROMOMETHANE	10	U
3V	75-01-4	VINYL CHLORIDE	10	U
16V	75-00-3	CHLOROETHANE	10.	U
44V	75-09-2	METHYLENE CHLORIDE	33	B
3H	67-64-1	ACETONE	52	B
3H	75-15-0	CARBON DISULFIDE	5	U
29V	75-35-4	1,1-DICHLOROETHENE	5	U
3V	75-34-3	1,1-DICHLOROETHANE	5	U
3V	156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
23V	67-66-3	CHLOROFORM	13	
20V	107-06-2	1,2-DICHLOROETHANE	5	U
1H	78-93-3	2-BUTANONE	10	U
11V	71-55-6	1,1,1-TRICHLOROETHANE	5	U
6V	56-23-5	CARBON TETRACHLORIDE	5	U
7H	108-05-4	VINYL ACETATE	10	U
9V	75-27-4	BROMODICHLOROMETHANE	2	J
32V	78-87-5	1,2-DICHLOROPROPANE	5	U
27VT	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
8V	79-01-6	TRICHLOROETHENE	5	U
51V	124-48-1	CHLORODIBROMOMETHANE	5	U
14V	79-00-5	1,1,2-TRICHLOROETHANE	5	U
V	71-43-2	BENZENE	2	J
27VC	10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
19V	110-75-8	2-CHLOROETHYLVINYL ETHER	10	U
V	75-25-2	BROMOFORM	5	U
7H	519-78-6	2-HEXANONE	10	U
17H	108-10-1	4-METHYL-2-PENTANONE	10	U
35V	127-18-4	TETRACHLOROETHENE	5	U
1V	79-34-5	1,1,2,2-TETRACHLOROETHANE	5.	U
86V	108-88-3	TOLUENE	5	U
7V	108-90-7	CHLOROBENZENE	5	U.
V	100-41-4	ETHYLBENZENE	5	U
1H	100-42-5	STYRENE	5	U
20H	95-47-6	TOTAL XYLENES	5.	U

ORIGINAL (Red)

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS.

AR100385

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB873

LABORATORY	IT/CERR	CASE #/SAS #:	5215
LABORATORY ID:	35030F12	QC REPORT #:	6962-245
MATRIX.	WATER	CONTRACT #:	68-01-6962
		DATE RECEIVED	11/14/85

DATA RELEASE AUTHORIZED BY Elizabeth Martinez

SEMIVOLATILE COMPOUNDS (PAGE 1)

LEVEL	LOW	GPC	Y_ N✓
DATE EXT/PREP.	11/16/85	SEP. FUNNEL	Y_ N✓
DATE ANALYZED.	12/12/85	CONT. EXT	Y✓ N_
SPL-->EXTRACT:	1L 2ML--200UL: 1ML		
PH:	Not Analyzed		
% MOISTURE (NOT DEC.):			
% MOISTURE (DEC.).			
STANDARD ID.	BNAZ451		
SENSITIVITY ID.	SENS854		
UNITS:	UG/L		

PP #	CAS #		CONC
65A	108-95-2	PHENOL	100. U
18B	111-44-4	BIS (2-CHLOROETHYL) ETHER	100. U
24A	95-57-8	2-CHLOROPHENOL	100. U
26B	541-73-1	1,3-DICHLOROBENZENE	100. U
27B	106-46-7	1,4-DICHLOROBENZENE	100. U
[redacted]	100-51-6	BENZYL ALCOHOL	100. U
[redacted]	95-50-1	1,2-DICHLOROBENZENE	100. U
2H	95-48-7	2-METHYLPHENOL	100. U
42B	39638-32-9	BIS (2-CHLOROISOPROPYL) ETHER	100 U
3H	106-44-5	4-METHYLPHENOL	100. U
63B	621-64-7	N-NITROSO-DI-N-PROPLYAMINE	100 U
12B	67-72-1	HEXACHLOROETHANE	100. U
56B	98-95-3	NITROBENZENE	100. U
54B	78-59-1	ISOPHORONE	100. U
57A	88-75-5	2-NITROPHENOL	100. U
34A	105-67-9	2,4-DIMETHYLPHENOL	100. U
1H	65-85-0	BENZOIC ACID	500. U
43B	111-91-1	BIS (2-CHLOROETHOXY) METHANE	100. U
31A	120-33-2	2,4-DICHLOROPHENOL	100. U
8B	120-82-1	1,2,4-TRICHLOROBENZENE	100. U
55B	91-20-3	NAPHTHALENE	100 U
7H	106-47-8	4-CHLOROANILINE	100 U
52B	87-68-3	HEXACHLOROBUTADIENE	100 U
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	100. U
9H	91-57-6	2-METHYLNAPHTHALENE	100 U
53B	77-47-4	HEXACHLOROCYCLOPENTADIENE	100 U
21A	88-06-2	2,4,6-TRICHLOROPHENOL	100. U
4H	95-95-4	2,4,5-TRICHLOROPHENOL	500. U
20B	91-58-7	2-CHLORONAPHTHALENE	100 U
10H	88-74-4	2-NITROANILINE	500. U
[redacted]	131-11-3	DIMETHYLPHTHALATE	100. U
[redacted]	208-96-8	ACENAPHTHALENE	100. U
[redacted]	99-09-2	3-NITROANILINE	500. U
1B	83-32-9	ACENAPHTHENE	100. U
59A	51-28-5	2,4-DINITROPHENOL	500 U

ORIGINAL (Red)

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB873

LABORATORY: IT/CERR
LABORATORY ID. 35030F12
MATRIX WATER

CASE #/SAS #: 5215
QC REPORT #: 6962-245
CONTRACT # 68-01-6962
DATE RECEIVED: 11/14/85

DATA RELEASE AUTHORIZED BY Elizabeth Martinez

SEMIVOLATILE COMPOUNDS (PAGE 2)

LEVEL:	LOW	GPC	Y_ N✓
DATE EXT/PREP	11/16/85	SEP. FUNNEL	Y_ N✓
DATE ANALYZED:	12/12/85	CONT EXT.	Y✓ N_
SPL-->EXTRACT:	1L: 2ML--200UL. 1ML		
PH:	Not Analyzed		
% MOISTURE (NOT DEC.):	—		
% MOISTURE (DEC.).	✓		
STANDARD ID:	BNAZ451		
SENSITIVITY ID:	SENS854		
UNITS:	UG/L		

PP #	CAS #		CONC
58A	100-02-7	4-NITROPHENOL	500. U
8H	132-64-9	DIBENZOFURAN	100 U
35B	121-14-2	2,4-DINITROTOLUENE	100 U
36B	606-20-2	2,6-DINITROTOLUENE	100. U
70B	84-66-2	DIETHYLPHTHALATE	100. U
40B	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	100. U
80B	86-73-7	FLUORENE	100. U
12H	100-01-6	4-NITROANILINE	500. U
60A	534-52-1	4,6-DINITRO-O-CRESOL	500. U
62B	86-30-6	N-NITROSODIPHENYLAMINE	100. U
41B	101-55-3	4-BROMOPHENOXYBENZENE	100. U
9B	118-74-1	HEXACHLOROBENZENE	100. U
64A	87-86-5	PENTACHLOROPHENOL	500. U
81B	85-01-8	PHENANTHRENE	100. U
78B	120-12-7	ANTHRACENE	100 U
68B	84-74-2	DI-N-BUTYLPHTHALATE	100. U
39B	206-44-0	FLUORANTHENE	100 U
84B	129-00-0	PYRENE	100. U
67B	85-68-7	BUTYLBENZYLPHTHALATE	100. U
28B	91-94-1	3,3'-DICHLOROBENZIDINE	200. U
72B	56-55-3	BENZO (A) ANTHRACENE	100. U
66B	117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	100 U
76B	218-01-9	CHRYSENE	100. U
69B	117-84-0	DI-N-OCTYLPHTHALATE	100. U
74B	205-99-2	BENZO (B & K) FLUORANTHENE	100. U
73B	50-32-8	BENZO (A) PYRENE	100. U
83B	193-39-5	INDENO-1,2,3 (C,D) PYRENE	100 U
82B	53-70-3	DIBENZO (A,H) ANTHRACENE	100 U
79B	191-24-2	BENZO (G,H,I) PERYLENE	100 U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS

ORIGINAL (Red)

Sample #: C8873

Laboratory: IT/Cerritos
Lab ID: 319-36
Lab ID for Dil: —
Sample Matrix: Water
Data Release Authorized by: TAR/TAR

Case #/SAS #: 5215
QC Report #: 6962-245
Contract #: 68-01-6962
Date Rec'd: 11-14-85

Elizabeth Martinez

Organics Analysis Data Sheet
Pesticide/PCB's

Sample Level: Low
Date Extracted: 11-15-85
Date Analyzed: 11-27-85
Spl->Extract: 1L → 10mL, 1mL → 1mL
For Dilution: —
pH: Not Analyzed
% Moisture: ↓
% Moisture (Decanted): ↓
Lab Std ID: 319-44

ALL RESULTS ARE REPORTED ON WET WEIGHT BASIS.

ORIGINAL (Red)

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

319-84-6	alpha-BHC	0.05U
319-85-7	beta-BHC	
319-86-8	delta-BHC	
58-89-9	gamma-BHC (Lindane)	
76-44-8	Heptachlor	
309-00-2	Aldrin	
1024-57-3	Heptachlor Epoxide	
959-98-8	Endosulfan I	V
60-57-1	Dieldrin	0.1U
72-55-9	4,4'-DDE	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4,4'-DDD	
1031-07-8	Endosulfan Sulfate	
50-29-3	4,4'-DDT	V
72-43-5	Methoxychlor	0.1U
53494-70-5	Endrin Ketone	0.1U
57-74-9	Chlordane	0.5U
8001-35-2	Toxaphene	1U
12674-11-2	Arochlor-1016	0.5U
11104-28-2	Arochlor-1221	
11141-16-5	Arochlor-1232	
53469-21-9	Arochlor-1242	
12672-29-6	Arochlor-1248	↓
11097-69-1	Arochlor-1254	1U
11096-82-5	Arochlor-1260	↓

U - Analyzed for but not detected (Reported Value is Detection Limit-DL)
J - Estimated Value (0 < Value < DL)
C - Confirmed by GC/MS-GC Quantitation
B - Compound found in Blank. Sample results are not Blank Corrected.
** - Detected below GC/MS DL-GC Quantitation
N - Not Confirmed by GC/MS-GC/MS DL
NA - Not Analyzed
NR - Not Reported

V_i = Volume of extract injected (ul)
V_s = Volume of water extracted (ml)
W_s = Weight of sample extracted (g)
V_t = Volume of total extract (ul)

V_s 1000 ml or
W_s — g
V_t 10,000 ul
V_i 5 ul

Surrogate Spike Recoveries

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

Lab ID	Fraction	Compound	Conc. Sample	Conc. Spiked	% Recovery
319-36	Pest.	Dibutyl Chlorendate	0.5U	10	5U

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

Rev 8/85

ORGANICS ANALYSIS DATA SHEET SAMPLE # CB873RE

LABORATORY	IT/CERR	CASE #/SAS #	5215
LABORATORY ID	35030AB3	QC REPORT #	6962-245
MATRIX	WATER	CONTRACT #	68-01-6962
		DATE RECEIVED	11/14/85

DATA RELEASE AUTHORIZED BY Cheryl Stirl

SEMIVOLATILE COMPOUNDS (PAGE 1)

LEVEL	LOW	GPC	Y_ N✓
DATE EXT/PREP	12/19/85	SEP FUNNEL	Y_ N✓
DATE ANALYZED	01/09/86	CONT EXT	Y✓ N_
SPL--EXTRACT	1L 2ML		
PH	NA	Sample Originally	
% MOISTURE (NOT DEC)		Extracted: 11/16/85	
% MOISTURE (DEC)		Re-Extracted Due To:	
STANDARD ID	BNA863	low 2-fluorobiphenyl	
SENSITIVITY ID	FSS376	p-Terphenyl-d14, Phenol-d5	
UNITS	UG/L		

ORIGINAL (Red)

PP #	CAS #		CONC
65A	108-95-2	PHENOL	20 U
18B	111-44-4	BIS (2-CHLOROETHYL) ETHER	20 U
24A	95-57-8	2-CHLOROPHENOL	20. U
26B	541-73-1	1,3-DICHLOROBENZENE	20. U
27B	106-46-7	1,4-DICHLOROBENZENE	20. U
6H	100-51-6	BENZYL ALCOHOL	20. U
25B	95-50-1	1,2-DICHLOROBENZENE	20 U
2H	95-48-7	2-METHYLPHENOL	20 U
42B	39638-32-9	BIS (2-CHLOROISOPROPYL) ETHER	20. U
3H	106-44-5	4-METHYLPHENOL	20 U
63B	621-64-7	N-NITROSO-DI-N-PROPLYAMINE	20 U
12B	67-72-1	HEXACHLOROETHANE	20 U
56B	98-95-3	NITROBENZENE	20 U
54B	78-59-1	ISOPHORONE	20 U
57A	88-75-5	2-NITROPHENOL	20 U
34A	105-67-9	2,4-DIMETHYLPHENOL	20 U
1H	65-85-0	BENZOIC ACID	100 U
43B	111-91-1	BIS (2-CHLOROETHOXY) METHANE	20 U
31A	120-83-2	2,4-DICHLOROPHENOL	20 U
8B	120-82-1	1,2,4-TRICHLOROBENZENE	20 U
55B	91-20-3	NAPHTHALENE	20 U
7H	106-47-8	4-CHLOROANILINE	20 U
52B	87-68-3	HEXACHLOROBUTADIENE	20 U
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	20 U
9H	91-57-6	2-METHYLNAPHTHALENE	20 U
53B	77-47-4	HEXACHLOROCYCLOPENTADIENE	20. U
21A	88-06-2	2,4,6-TRICHLOROPHENOL	20 U
4H	95-95-4	2,4,5-TRICHLOROPHENOL	100 U
20B	91-58-7	2-CHLORONAPHTHALENE	20 U
1CH	88-74-4	2-NITROANILINE	100 U
71B	131-11-3	DIMETHYLPHTHALATE	20 U
77B	208-96-8	ACENAPHTHALENE	20 U
11H	99-09-2	3-NITROANILINE	100 U
1B	83-32-9	ACENAPHTHENE	20 U
59A	51-28-5	2,4-DINITROPHENOL	100. U

ORGANICS ANALYSIS DATA SHEET SAMPLE # CB873RE

L[redacted]ATORY	IT/CERR	CASE #/SAS #	5215
[redacted]RATORY ID	3503CAB3	QC REPORT #	6962-245
ATRIX	WATER	CONTRACT #	68-01-6962
		DATE RECEIVED	11/14/85

DATA RELEASE AUTHORIZED BY Chrystine

SEMIVOLATILE COMPOUNDS (PAGE 2)

LEVEL	LOW	GPC	Y_ N✓
DATE EXT/PREP	12/19/85	SEP FUNNEL	Y_ N✓
DATE ANALYZED	01/09/86	CONT EXT	Y✓ N_
SPL-->EXTRACT	1L 2ML		
PH	NA	Sample Originally Extracted: 11/16/85	
% MOISTURE (NOT DEC.)		Re-Extracted Due To: low 2-fluorobiphenyl, p-terphenyl-d14, Phenol-d5	
% MOISTURE (DEC.)			
STANDARD ID	BNA363		
SENSITIVITY ID	FSS576		
UNITS	UG/L		

ORIGINAL (Red)

. #	CAS #		CONC
3A	100-02-7	4-NITROPHENOL	100 U
3H	132-64-9	DIBENZOFURAN	20 U
35B	121-14-2	2,4-DINITROTOLUENE	20. U
36B	606-20-2	2,6-DINITROTOLUENE	20 U
1	84-66-2	DIETHYLPHTHALATE	20 U
40B	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	20 U
80B	86-73-7	FLUORENE	20. U
3H	100-01-6	4-NITROANILINE	100 U
0A	534-52-1	4,6-DINITRO-O-CRESOL	100 U
62B	86-30-6	N-NITROSODIPHENYLAMINE	20 U
1B	101-55-3	4-BROMOPHENOXYBENZENE	20 U
7B	118-74-1	HEXACHLOROBENZENE	20 U
64A	87-86-5	PENTACHLOROPHENOL	100 U
81B	85-01-8	PHENANTHRENE	20 U
3B	120-12-7	ANTHRACENE	20. U
68B	84-74-2	DI-N-BUTYLPHTHALATE	20 U
39B	206-44-0	FLUORANTHENE	20. U
0B	129-00-0	PYRENE	20 U
2B	85-68-7	BUTYLBENZYLPHTHALATE	20 U
28B	91-94-1	3,3'-DICHLOROBENZIDINE	40 U
2B	56-55-3	BENZO (A) ANTHRACENE	20 U
4B	117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	20 U
76B	218-01-9	CHRYSENE	20 U
8B	117-84-0	DI-N-OCTYLPHTHALATE	20 U
B	205-99-2	BENZO (B,K) FLUORANTHENE	20 U
0B	50-32-8	BENZO (A) PYRENE	20 U
3B	193-39-5	INDENO-1,2,3 (C,D) PYRENE	20 U
2B	53-70-3	DIBENZO (A,H) ANTHRACENE	20 U
9B	191-24-2	BENZO (G,H,I) PERYLENE	20 U

[redacted]ESULTS ARE REPORTED ON A WET WEIGHT BASIS

ORGANICS ANALYSIS DATA SHEET SAMPLE # CB881

LABORATORY	IT/CERR	CASE #/SAS #:	5215
LABORATORY ID	35031N2	QC REPORT #	6962-247
MATRIX	WATER	CONTRACT #:	68-01-6962
		DATE RECEIVED.	11/14/85

DATA RELEASE AUTHORIZED BY

VOLATILE COMPOUNDS

Filter well

LEVEL	LOW
DATE EXT/PREP	11/21/85
DATE ANALYZED	11/21/85
SPL--EXTRACT	5ML
PH	Not Analyzed
% MOISTURE (NOT DEC.)	
% MOISTURE (DEC.)	
STANDARD ID	VOA535
SENSITIVITY ID	BFD481
UNITS.	UG/L

PP #	CAS #		CONC	
= ==	=====		====	
4 5V	74-87-3	CHLOROMETHANE	10. U	
46V	74-83-9	BROMOMETHANE	10. U	
5 V	75-01-4	VINYL CHLORIDE	10 U	
1 V	75-00-3	CHLOROETHANE	10. U	
44V	75-09-2	METHYLENE CHLORIDE	12.	B
1?H	67-64-1	ACETONE	11.	B
1 H	75-15-0	CARBON DISULFIDE	5. U	
27V	75-35-4	1,1-DICHLOROETHENE	5 U	
13V	75-34-3	1,1-DICHLOROETHANE	5. U	
3 V	156-60-5	TRANS-1,2-DICHLOROETHENE	5. U	
2 V	67-66-3	CHLOROFORM	5. U	
10V	107-06-2	1,2-DICHLOROETHANE	5. U	
1 H	78-93-3	2-BUTANONE	10 U	
1 V	71-55-6	1,1,1-TRICHLOROETHANE	5. U	
6V	56-23-5	CARBON TETRACHLORIDE	5 U	
9H	108-05-4	VINYL ACETATE	10 U	
H V	75-27-4	BROMODICHLOROMETHANE	5. U	
26V	78-87-5	1,2-DICHLOROPROPANE	5 U	
3VT	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5 U	
T V	79-01-6	TRICHLOROETHENE	5. U	
1 V	124-48-1	CHLORODIBROMOMETHANE	5. U	
4V	79-00-5	1,1,2-TRICHLOROETHANE	5 U	
6V	71-43-2	BENZENE	5 U	
C C	10061-01-5	CIS-1,3-DICHLOROPROPENE	5 U	
9V	110-75-8	2-CHLOROETHYLVINYL ETHER	10 U	
7V	75-25-2	BROMOFORM	5 U	
8	519-78-6	2-HEXANONE	10 U	
7	108-10-1	4-METHYL-2-PENTANONE	10 U	
5V	127-18-4	TETRACHLOROETHENE	5. U	
5	79-34-5	1,1,2,2-TETRACHLOROETHANE	5 U	
5	108-88-3	TOLUENE	5 U	
7V	108-90-7	CHLOROBENZENE	5 U	
8V	100-41-4	ETHYLBENZENE	5. U	
3	100-42-5	STYRENE	5. U	
3H	95-47-6	TOTAL XYLENES	5 U	

RESULTS ARE REPORTED ON A WET WEIGHT BASIS

ORIGINAL (Red)

AR100391

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB881

LABORATORY	IT/CERR	CASE #/SAS #:	5215
LABORATORY ID	35031F8	QC REPORT #:	6962-247
MATRIX	WATER	CONTRACT #:	68-01-6962
		DATE RECEIVED:	11/14/85

DATA RELEASE AUTHORIZED BY

SEMIVOLATILE COMPOUNDS (PAGE 1)

LEVEL	LOW	GPC	Y_ N✓
DATE EXT/PREP	11/18/85	SEP. FUNNEL	Y_ N✓
DATE ANALYZED	12/13/85	CONT. EXT.	Y✓ N_
SPL--EXTRACT	1L. 2ML		
PH.	Not Analyzed		
% MOISTURE (NOT DEC.):			
% MOISTURE (DEC).			
STANDARD ID	BNAZ453		
SENSITIVITY ID	SENS858		
UNITS	UG/L		

PP #	CAS #		CONC
65A	108-95-2	PHENOL	20. U
18B	111-44-4	BIS (2-CHLOROETHYL) ETHER	20. U
24A	95-57-8	2-CHLOROPHENOL	20. U
26B	541-73-1	1,3-DICHLOROBENZENE	20. U
27B	106-46-7	1,4-DICHLOROBENZENE	20. U
6H	100-51-6	BENZYL ALCOHOL	20. U
[illegible]B	95-50-1	1,2-DICHLOROBENZENE	20. U
[illegible]	95-48-7	2-METHYLPHENOL	20. U
[illegible]B	39638-32-9	BIS (2-CHLOROISOPROPYL) ETHER	20 U
3H	106-44-5	4-METHYLPHENOL	20 U
63B	621-64-7	N-NITROSO-DI-N-PROPLYAMINE	20. U
12B	67-72-1	HEXACHLOROETHANE	20 U
56B	98-95-3	NITROBENZENE	20. U
54B	78-59-1	ISOPHORONE	20. U
57A	88-75-5	2-NITROPHENOL	20. U
34A	105-67-9	2,4-DIMETHYLPHENOL	20. U
1H	65-85-0	BENZOIC ACID	100 U
43B	111-91-1	BIS (2-CHLOROETHOXY) METHANE	20. U
31A	120-33-2	2,4-DICHLOROPHENOL	20. U
8B	120-82-1	1,2,4-TRICHLOROBENZENE	20 U
55B	91-20-3	NAPHTHALENE	20. U
7H	106-47-8	4-CHLOROANILINE	20. U
52B	87-68-3	HEXACHLOROBUTADIENE	20. U
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	20. U
9H	91-57-6	2-METHYLNAPHTHALENE	20 U
53B	77-47-4	HEXACHLOROCYCLOPENTADIENE	20 U
21A	88-06-2	2,4,6-TRICHLOROPHENOL	20 U
4H	95-95-4	2,4,5-TRICHLOROPHENOL	100 U
20B	91-58-7	2-CHLORONAPHTHALENE	20 U
10H	88-74-4	2-NITROANILINE	100. U
71B	131-11-3	DIMETHYLPHTHALATE	20. U
77B	208-96-8	ACENAPHTHALENE	20. U
[illegible]	99-09-2	3-NITROANILINE	100. U
[illegible]	83-32-9	ACENAPHTHENE	20. U
59A	51-28-5	2,4-DINITROPHENOL	100. U

ORIGINAL (Red)

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB881

LABORATORY IT/CERR
LABORATORY ID: 35031F8
MATRIX. WATER

CASE #/SAS #: 5215
QC REPORT #. 6962-247
CONTRACT #: 68-01-6962
DATE RECEIVED 11/14/85

DATA RELEASE AUTHORIZED BY:

SEMIVOLATILE COMPOUNDS (PAGE 2)

LEVEL.	LOW	GPC	Y_ N X
DATE EXT/PREP	11/18/85	SEP. FUNNEL	Y_ N X
DATE ANALYZED	12/13/85	CONT. EXT.	Y X N_
SPL-->EXTRACT	1L 2ML		
PH	Not Analyzed		
% MOISTURE (NOT DEC.):			
% MOISTURE (DEC.).			
STANDARD ID.	BNAZ453		
SENSITIVITY ID	SENS858		
UNITS.	UG/L		

PP #	CAS #		CONC
58A	100-02-7	4-NITROPHENOL	100. U
8H	132-64-9	DIBENZOFURAN	20. U
35B	121-14-2	2,4-DINITROTOLUENE	20. U
36B	606-20-2	2,6-DINITROTOLUENE	20. U
70B	84-66-2	DIETHYLPHTHALATE	20. U
40B	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	20. U
80B	86-73-7	FLUORENE	20. U
12H	100-01-6	4-NITROANILINE	100. U
60A	534-52-1	4,6-DINITRO-O-CRESOL	100. U
62B	86-30-6	N-NITROSODIPHENYLAMINE	20. U
41B	101-55-3	4-BROMOPHENOXYBENZENE	20. U
9B	118-74-1	HEXACHLOROBENZENE	20 U
64A	87-86-5	PENTACHLOROPHENOL	100. U
81B	85-01-8	PHENANTHRENE	20. U
78B	120-12-7	ANTHRACENE	20. U
68B	84-74-2	DI-N-BUTYLPHTHALATE	20 U
39B	206-44-0	FLUORANTHENE	20. U
84B	129-00-0	PYRENE	20. U
67B	85-68-7	BUTYLBENZYLPHTHALATE	20 U
28B	91-94-1	3,3'-DICHLOROBENZIDINE	40. U
72B	56-55-3	BENZO (A) ANTHRACENE	20 U
66B	117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	20 U
76B	218-01-9	CHRYSENE	20 U
69B	117-84-0	DI-N-OCTYLPHTHALATE	20 U
74B	205-99-2	BENZO (B & K) FLUORANTHENE	20 U
73B	50-32-8	BENZO (A) PYRENE	20. U
83B	193-39-5	INDENO-1,2,3 (C,D) PYRENE	20. U
82B	53-70-3	DIBENZO (A,H) ANTHRACENE	20 U
79B	191-24-2	BENZO (G,H,I) PERYLENE	20 U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS

ORIGINAL (Red)

Sample #: CB881 (H3)

Laboratory: IT/Cerritos
Lab ID: 2319-22
Lab ID for Dil: —
Sample Matrix: Water
Data Release Authorized by: KS, PH

Case #/SAS #: 5215
QC Report #: 3962-247
Contract #: 68-01-6962
Date Rec'd: 11-14-85

Organics Analysis Data Sheet
Pesticide/PCB's

Sample Level: Low
Date Extracted: 11-16-85
Date Analyzed: 12-3-85
Spl->Extract: 1l→10ml; 5ml→5ml
For Dilution: —
pH: Not Analyzed
% Moisture: ↓
% Moisture (Decanted): ↓
Lab Std ID: 2319-4.5

ALL RESULTS ARE REPORTED ON WET WEIGHT BASIS.

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

319-84-6	alpha-BHC	0.05U
319-85-7	beta-BHC	
319-86-8	delta-BHC	
58-89-9	gamma-BHC (Lindane)	
76-44-8	Heptachlor	
309-00-2	Aldrin	
1024-57-3	Heptachlor Epoxide	
959-98-8	Endosulfan I	↓
60-57-1	Dieldrin	0.1U
72-55-9	4,4'-DDE	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4,4'-DDD	
1031-07-8	Endosulfan Sulfate	
50-29-3	4,4'-DDT	↓
72-43-5	Methoxychlor	0.5U
53494-70-5	Endrin Ketone	0.1U
57-74-9	Chlordane	0.5U
8001-35-2	Toxaphene	1U
12674-11-2	Arochlor-1016	0.5U
11104-28-2	Arochlor-1221	
11141-16-5	Arochlor-1232	
53469-21-9	Arochlor-1242	
12672-29-6	Arochlor-1248	↓
11097-69-1	Arochlor-1254	1U
11096-82-5	Arochlor-1260	↓

U - Analyzed for but not detected (Reported Value is Detection Limit-DL)
J - Estimated Value (0 < Value < DL)
C - Confirmed by GC/MS-GC Quantitation
B - Compound found in Blank. Sample results are not Blank Corrected.
** - Detected below GC/MS DL-GC Quantitation
N - Not Confirmed by GC/MS-GC/MS DL
NA - Not Analyzed
NR - Not Reported

ORIGINAL (Red)

V_i = Volume of extract injected (ul)
V_s = Volume of water extracted (ml)
W_s = Weight of sample extracted (g)
V_t = Volume of total extract (ul)

V_s 1000 ml or
W_s — g
V_t 10,000 ul
V_i 5 ul

Surrogate Spike Recoveries — Circle Units: ug/Kg, (ug/L)

Lab ID	Fraction	Compound	Conc. Sample	Conc. Spiked	% Recovery
2319-22	Pest.	Dibutyl Chlorendate	0.52	1.0	52

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

Rev 8/85

ORGANICS ANALYSIS DATA SHEET SAMPLE # CB886

LABORATORY	IT/CERR	CASE #/SAS #	5215
LABORATORY ID	35031N8	QC REPORT #	6962-247
MATRIX	WATER	CONTRACT #	68-01-6962
		DATE RECEIVED	11/14/85

DATA RELEASE AUTHORIZED BY:

Green Valley Farm

VOLATILE COMPOUNDS

LEVEL	LOW
DATE EXT/PREP	11/21/85
DATE ANALYZED	11/21/85
SPL-->EXTRACT	5ML
PH:	Not Analyzed
% MOISTURE (NOT DEC)	
% MOISTURE (DEC)	
STANDARD ID:	VOA535
SENSITIVITY ID	BFD481
UNITS.	UG/L

PP #	CAS #		CONC	
45V	74-87-3	CHLOROMETHANE	10.	U
46V	74-83-9	BROMOMETHANE	10.	U
38V	75-01-4	VINYL CHLORIDE	10.	U
6V	75-00-3	CHLOROETHANE	10.	U
44V	75-09-2	METHYLENE CHLORIDE	22.	B
13H	67-64-1	ACETONE	37.	B
5H	75-15-0	CARBON DISULFIDE	5.	U
29V	75-35-4	1,1-DICHLOROETHENE	5.	U
13V	75-34-3	1,1-DICHLOROETHANE	5.	U
0V	156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
3V	67-66-3	CHLOROFORM	5.	U
10V	107-06-2	1,2-DICHLOROETHANE	5.	U
4H	78-93-3	2-BUTANONE	10.	U
1V	71-55-6	1,1,1-TRICHLOROETHANE	5	U
6V	56-23-5	CARBON TETRACHLORIDE	5.	U
19H	108-05-4	VINYL ACETATE	10.	U
3V	75-27-4	BROMODICHLOROMETHANE	5.	U
2V	78-87-5	1,2-DICHLOROPROPANE	5.	U
33VT	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5.	U
7V	79-01-6	TRICHLOROETHENE	5	U
1V	124-48-1	CHLORODIBROMOMETHANE	5	U
14V	79-00-5	1,1,2-TRICHLOROETHANE	5	U
1V	71-43-2	BENZENE	5	U
3VC	10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
15V	110-75-8	2-CHLOROETHYLVINYL ETHER	10	U
7V	75-25-2	BROMOFORM	5	U
H	519-78-6	2-HEXANONE	10	U
H	108-10-1	4-METHYL-2-PENTANONE	10	U
35V	127-18-4	TETRACHLOROETHENE	5	U
1 V	79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
8 V	108-88-3	TOLUENE	5	U
7V	108-90-7	CHLOROBENZENE	5	U
37V	100-41-4	ETHYLBENZENE	5.	U
1 H	100-42-5	STYRENE	5	U
20H	95-47-6	TOTAL XYLENES	5	U

ORIGINAL (Red)

AR100395

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB886

LABORATORY: IT/CERR
LABORATORY ID: 35031F13
MATRIX: WATER
CASE #/SAS #: 5215
QC REPORT #: 6962-2&7
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

DATA RELEASE AUTHORIZED BY

SEMIVOLATILE COMPOUNDS (PAGE 1)

LEVEL.	LOW	GPC	Y N
DATE EXT/PREP	11/18/85	SEP. FUNNEL	Y N
DATE ANALYZED	12/13/85	CONT EXT.	Y N
SPL-->EXTRACT	1L. 2ML		
PH.	Not Analyzed		
% MOISTURE (NOT DEC)			
% MOISTURE (DEC)			
STANDARD ID:	BNAZ453		
SENSITIVITY ID	SENS858		
UNITS.	UG/L		

PP #	CAS #		CONC
65A	108-95-2	PHENOL	20. U
18B	111-44-4	BIS (2-CHLOROETHYL) ETHER	20 U
24A	95-57-8	2-CHLOROPHENOL	20. U
26B	541-73-1	1,3-DICHLOROBENZENE	20. U
27B	106-46-7	1,4-DICHLOROBENZENE	20. U
6H	100-51-6	BENZYL ALCOHOL	20. U
[illegible]B	95-50-1	1,2-DICHLOROBENZENE	20. U
[illegible]H	95-48-7	2-METHYLPHENOL	20. U
42B	39638-32-9	BIS (2-CHLOROISOPROPYL) ETHER	20. U
3H	106-44-5	4-METHYLPHENOL	20. U
63B	621-64-7	N-NITROSO-DI-N-PROPLYAMINE	20. U
12B	67-72-1	HEXACHLOROETHANE	20. U
56B	98-95-3	NITROBENZENE	20. U
54B	78-59-1	ISOPHORONE	20. U
57A	88-75-5	2-NITROPHENOL	20 U
34A	105-67-9	2,4-DIMETHYLPHENOL	20. U
1H	65-85-0	BENZOIC ACID	100. U
43B	111-91-1	BIS (2-CHLOROETHOXY) METHANE	20. U
31A	120-33-2	2,4-DICHLOROPHENOL	20. U
8B	120-82-1	1,2,4-TRICHLOROBENZENE	20. U
55B	91-20-3	NAPHTHALENE	20. U
7H	106-47-8	4-CHLOROANILINE	20. U
52B	87-68-3	HEXACHLOROBUTADIENE	20. U
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	20. U
9H	91-57-6	2-METHYLNAPHTHALENE	20 U
53B	77-47-4	HEXACHLOROCYCLOPENTADIENE	20 U
21A	88-06-2	2,4,6-TRICHLOROPHENOL	20. U
4H	95-95-4	2,4,5-TRICHLOROPHENOL	100 U
20B	91-58-7	2-CHLORONAPHTHALENE	20 U
10H	88-74-4	2-NITROANILINE	100. U
71B	131-11-3	DIMETHYLPHTHALATE	20. U
[illegible]	208-96-8	ACENAPHTHALENE	20. U
[illegible]	99-09-2	3-NITROANILINE	100 U
1B	83-32-9	ACENAPHTHENE	20 U
59A	51-28-5	2,4-DINITROPHENOL	100 U

AR100396

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB886

LABORATORY: IT/CERR
LABORATORY ID: 35031F13
MATRIX WATER

CASE #/SAS #: 5215
QC REPORT #: 6962-247
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

DATA RELEASE AUTHORIZED BY

SEMIVOLATILE COMPOUNDS (PAGE 2)

LEVEL:	LOW	GPC	Y_ N✓
DATE EXT/PREP:	11/18/85	SEP. FUNNEL	Y_ N✓
DATE ANALYZED	12/13/85	CONT EXT.	Y✓ N_
SPL-->EXTRACT.	1L. 2ML		
PH:	Not Analyzed		
% MOISTURE (NOT DEC):			
% MOISTURE (DEC.).			
STANDARD ID.	BNAZ453		
SENSITIVITY ID	SENS858		
UNITS:	UG/L		

PP #	CAS #		CONC
58A	100-02-7	4-NITROPHENOL	100. U
8H	132-64-9	DIBENZOFURAN	20. U
35B	121-14-2	2,4-DINITROTOLUENE	20. U
36B	606-20-2	2,6-DINITROTOLUENE	20. U
70B	84-66-2	DIETHYLPHTHALATE	20. U
40B	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	20. U
80B	86-73-7	FLUORENE	20. U
12H	100-01-6	4-NITROANILINE	100. U
60A	534-52-1	4,6-DINITRO-O-CRESOL	100. U
62B	86-30-6	N-NITROSODIPHENYLAMINE	20. U
41B	101-55-3	4-BROMOPHENOXYBENZENE	20. U
9B	118-74-1	HEXACHLOROBENZENE	20. U
64A	87-86-5	PENTACHLOROPHENOL	100. U
81B	85-01-8	PHENANTHRENE	20. U
78B	120-12-7	ANTHRACENE	20 U
68B	84-74-2	DI-N-BUTYLPHTHALATE	20. U
39B	206-44-0	FLUORANTHENE	20. U
84B	129-00-0	PYRENE	20 U
67B	85-68-7	BUTYLBENZYLPHTHALATE	20 U
28B	91-94-1	3,3'-DICHLOROBENZIDINE	40. U
72B	56-55-3	BENZO (A) ANTHRACENE	20. U
66B	117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	11. J
76B	218-01-9	CHRYSENE	20. U
69B	117-84-0	DI-N-OCTYLPHTHALATE	20. U
74B	205-99-2	BENZO (B & K) FLUORANTHENE	20. U
73B	50-32-8	BENZO (A) PYRENE	20 U
83B	193-39-5	INDENO-1,2,3 (C,D) PYRENE	20 U
82B	53-70-3	DIBENZO (A,H) ANTHRACENE	20. U
79B	191-24-2	BENZO (G,H,I) PERYLENE	20 U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS

(Red) NAL

Sample #: CB886 (MS)

Laboratory: IT/Cerritos
Lab ID: 2319-28
Lab ID for Dil:
Sample Matrix: water
Data Release Authorized by: KD, PH & KW

Case #/SAS #: 5215
QC Report #: 6962-287
Contract #: 68-01-6962
Date Rec'd: 11-14-85

Organics Analysis Data Sheet
Pesticide/PCB's

Sample Level: LOW
Date Extracted: 11-14-85
Date Analyzed: 12-3-85
Spl->Extract: 1f->10ml; 5ml->5ml
For Dilution:
pH: Not Analyzed
% Moisture:
% Moisture (Decanted):
Lab Std ID: 2319-4,5

ALL RESULTS ARE REPORTED ON WET WEIGHT BASIS.

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

319-84-6	alpha-BHC	0.05 u
319-85-7	beta-BHC	
319-86-8	delta-BHC	
58-89-9	gamma-BHC (Lindane)	
76-44-8	Heptachlor	
309-00-2	Aldrin	
1024-57-3	Heptachlor Epoxide	
959-98-8	Endosulfan I	
60-57-1	Dieldrin	0.1 u
72-55-9	4,4'-DDE	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4,4'-DDD	
1031-07-8	Endosulfan Sulfate	
50-29-3	4,4'-DDT	
72-43-5	Methoxychlor	0.5 u
53494-70-5	Endrin Ketone	0.1 u
57-74-9	Chlordane	0.5 u
8001-35-2	Toxaphene	1 u
12674-11-2	Arochlor-1016	0.5 u
11104-28-2	Arochlor-1221	
11141-16-5	Arochlor-1232	
53469-21-9	Arochlor-1242	
12672-29-6	Arochlor-1248	
11097-69-1	Arochlor-1254	1 u
11096-82-5	Arochlor-1260	

U - Analyzed for but not detected (Reported Value is Detection Limit-DL)
J - Estimated Value (0 < Value < DL)
C - Confirmed by GC/MS-GC Quantitation
B - Compound found in Blank. Sample results are not Blank Corrected.
** - Detected below GC/MS DL-GC Quantitation
N - Not Confirmed by GC/MS-GC/MS DL
NA - Not Analyzed
NR - Not Reported

V_i = Volume of extract injected (ul)
V_s = Volume of water extracted (ml)
W_s = Weight of sample extracted (g)
V_t = Volume of total extract (ul)

V_s 1000 ml or
W_s — g
V_t 10,000 ul
V_i 5 ul

Surrogate Spike Recoveries — Circle Units: ug/Kg, (ug/L)

Lab ID	Fraction	Compound	Conc. Sample	Conc. Spiked	% Recovery
2319-28	Pest.	Dibutyl Chlorendate	0.80	1.0	80

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

Rev 8/85

AR100398

ORGANICS ANALYSIS DATA SHEET SAMPLE #. CB887

LABORATORY IT/CERR
LABORATORY ID. 35031N9
MATRIX WATER

CASE #/SAS #. 5215
QC REPORT # 6962-245
CONTRACT #. 68-01-6962
DATE RECEIVED. 11/14/85

DATA RELEASE AUTHORIZED BY:

Form I

VOLATILE COMPOUNDS

LEVEL	LOW
DATE EXT/PREP	11/21/85
DATE ANALYZED	11/21/85
SPL-->EXTRACT	5ML
PH	Not Analyzed
% MOISTURE (NOT DEC).	
% MOISTURE (DEC).	
STANDARD ID.	VOA535
SENSITIVITY ID	BFD481
UNITS	UG/L

PP #	CAS #		CONC	
45V	74-87-3	CHLOROMETHANE	10. U	
46V	74-83-9	BROMOMETHANE	10. U	
88V	75-01-4	VINYL CHLORIDE	10. U	
16V	75-00-3	CHLOROETHANE	10. U	
44V	75-09-2	METHYLENE CHLORIDE	15.	B
13H	67-64-1	ACETONE	10 U	
15H	75-15-0	CARBON DISULFIDE	5. U	
29V	75-35-4	1,1-DICHLOROETHENE	5. U	
13V	75-34-3	1,1-DICHLOROETHANE	5. U	
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	5. U	
23V	67-66-3	CHLOROFORM	5. U	
10V	107-06-2	1,2-DICHLOROETHANE	5. U	
14H	78-93-3	2-BUTANONE	10. U	
11V	71-55-6	1,1,1-TRICHLOROETHANE	5. U	
6V	56-23-5	CARBON TETRACHLORIDE	5 U	
19H	108-05-4	VINYL ACETATE	10 U	
18V	75-27-4	BROMODICHLOROMETHANE	5 U	
32V	78-87-5	1,2-DICHLOROPROPANE	5. U	
33VT	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5. U	
37V	79-01-6	TRICHLOROETHENE	5. U	
51V	124-48-1	CHLORODIBROMOMETHANE	5 U	
14V	79-00-5	1,1,2-TRICHLOROETHANE	5. U	
4V	71-43-2	BENZENE	5 U	
33VC	10061-01-5	CIS-1,3-DICHLOROPROPENE	5. U	
19V	110-75-8	2-CHLOROETHYLVINYL ETHER	10 U	
7V	75-25-2	BROMOFORM	5 U	
6H	519-78-6	2-HEXANONE	10 U	
17H	108-10-1	4-METHYL-2-PENTANONE	10 U	
35V	127-18-4	TETRACHLOROETHENE	5 U	
5V	79-34-5	1,1,2,2-TETRACHLOROETHANE	5. U	
86V	108-88-3	TOLUENE	5 U	
7V	108-90-7	CHLOROBENZENE	5. U	
9V	100-41-4	ETHYLBENZENE	5. U	
9H	100-42-5	STYRENE	5. U	
20H	95-47-6	TOTAL XYLENES	5. U	

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS

AR100399

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB887

LABORATORY	IT/CERR	CASE #/SAS #:	5215
LABORATORY ID:	35031F12	QC REPORT #:	6962-245
MATRIX	WATER	CONTRACT #.	68-01-6962
		DATE RECEIVED.	11/14/85

DATA RELEASE AUTHORIZED BY:

SEMIVOLATILE COMPOUNDS (PAGE 1)

LEVEL:	LOW	GPC .	Y_ N X
DATE EXT/PREP:	11/18/85	SEP FUNNEL	Y_ N X
DATE ANALYZED:	12/13/85	CONT EXT.	Y X N_
SPL--EXTRACT:	1L: 2ML		
PH	Not Analyzed		
% MOISTURE (NOT DEC.):			
% MOISTURE (DEC.).			
STANDARD ID:	BNAZ453		
SENSITIVITY ID:	SENS858		
UNITS.	UG/L		

PP #	CAS #		CONC
65A	108-95-2	PHENOL	20. U
18B	111-44-4	BIS (2-CHLOROETHYL) ETHER	20. U
24A	95-57-8	2-CHLOROPHENOL	20. U
26B	541-73-1	1,3-DICHLOROBENZENE	20. U
27B	106-46-7	1,4-DICHLOROBENZENE	20. U
6H	100-51-6	BENZYL ALCOHOL	20. U
[illegible]	95-50-1	1,2-DICHLOROBENZENE	20. U
[illegible]	95-48-7	2-METHYLPHENOL	20. U
42B	39638-32-9	BIS (2-CHLOROISOPROPYL) ETHER	20. U
3H	106-44-5	4-METHYLPHENOL	20. U
63B	621-64-7	N-NITROSO-DI-N-PROPLYAMINE	20. U
12B	67-72-1	HEXACHLOROETHANE	20. U
56B	98-95-3	NITROBENZENE	20. U
54B	78-59-1	ISOPHORONE	20. U
57A	88-75-5	2-NITROPHENOL	20. U
34A	105-67-9	2,4-DIMETHYLPHENOL	20. U
1H	65-85-0	BENZOIC ACID	100 U
43B	111-91-1	BIS (2-CHLOROETHOXY) METHANE	20 U
31A	120-33-2	2,4-DICHLOROPHENOL	20 U
8B	120-82-1	1,2,4-TRICHLOROBENZENE	20. U
55B	91-20-3	NAPHTHALENE	20. U
7H	106-47-8	4-CHLOROANILINE	20 U
52B	87-68-3	HEXACHLOROBUTADIENE	20 U
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	20 U
9H	91-57-6	2-METHYLNAPHTHALENE	20. U
53B	77-47-4	HEXACHLOROCYCLOPENTADIENE	20. U
21A	88-06-2	2,4,6-TRICHLOROPHENOL	20. U
4H	95-95-4	2,4,5-TRICHLOROPHENOL	100. U
20B	91-58-7	2-CHLORONAPHTHALENE	20 U
10H	88-74-4	2-NITROANILINE	100. U
71B	131-11-3	DIMETHYLPHTHALATE	20. U
77B	208-96-8	ACENAPHTHALENE	20. U
1[illegible]	99-09-2	3-NITROANILINE	100. U
1[illegible]	83-32-9	ACENAPHTHENE	20. U
59A	51-28-5	2,4-DINITROPHENOL	100. U

ORIGINAL (BLUE)

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB887

LABORATORY: IT/CERR
LABORATORY ID: 35031F12
MATRIX: WATER

CASE #/SAS #: 5215
QC REPORT #: 6962-245
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

DATA RELEASE AUTHORIZED BY:

SEMIVOLATILE COMPOUNDS (PAGE 2)

LEVEL:	LOW	GPC	Y_ N✓
DATE EXT/PREP	11/18/85	SEP. FUNNEL	Y_ N✓
DATE ANALYZED:	12/13/85	CONT. EXT.	Y✓ N_
SPL-->EXTRACT:	1L:2ML		
PH:	Not Analyzed		
% MOISTURE (NOT DEC.):			
% MOISTURE (DEC.)			
STANDARD ID:	BNAZ453		
SENSITIVITY ID	SENS858		
UNITS:	UG/L		

PP #	CAS #		CONC
58A	100-02-7	4-NITROPHENOL	100. U
8H	132-64-9	DIBENZOFURAN	20. U
35B	121-14-2	2,4-DINITROTOLUENE	20. U
36B	606-20-2	2,6-DINITROTOLUENE	20. U
70B	84-66-2	DIETHYLPHTHALATE	20. U
40B	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	20. U
80B	86-73-7	FLUORENE	20. U
12H	100-01-6	4-NITROANILINE	100. U
60A	534-52-1	4,6-DINITRO-O-CRESOL	100. U
62B	86-30-6	N-NITROSODIPHENYLAMINE	20. U
41B	101-55-3	4-BROMOPHENOXYBENZENE	20. U
9B	118-74-1	HEXACHLOROBENZENE	20. U
64A	87-86-5	PENTACHLOROPHENOL	100. U
81B	85-01-8	PHENANTHRENE	20. U
78B	120-12-7	ANTHRACENE	20. U
68B	84-74-2	DI-N-BUTYLPHTHALATE	20. U
39B	206-44-0	FLUORANTHENE	20. U
84B	129-00-0	PYRENE	20. U
67B	85-68-7	BUTYLBENZYLPHTHALATE	20. U
28B	91-94-1	3,3'-DICHLOROBENZIDINE	40. U
72B	56-55-3	BENZO (A) ANTHRACENE	20. U
66B	117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	20. U
76B	218-01-9	CHRYSENE	20 U
69B	117-84-0	DI-N-OCTYLPHTHALATE	20. U
74B	205-99-2	BENZO (B & K) FLUORANTHENE	20. U
73B	50-32-8	BENZO (A) PYRENE	20. U
83B	193-39-5	INDENO-1,2,3 (C,D) PYRENE	20 U
82B	53-70-3	DIBENZO (A,H) ANTHRACENE	20. U
79B	191-24-2	BENZO (G,H,I) PERYLENE	20. U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS.

ORIGINAL

Sample #: CB887 (Hg)

Laboratory: IT/Cerritos
Lab ID: 2319-29
Lab ID for Dil: —
Sample Matrix: Water
Data Release Authorized by: D. PH

Case #/SAS #: 5215
QC Report #: 5952-245
Contract #: 68-01-6962
Date Rec'd: 11-14-85

Organics Analysis Data Sheet
Pesticide/PCB's

Sample Level: Low
Date Extracted: 11-16-85
Date Analyzed: 12-3-85
Spl->Extract: 1L→10ml; 5ml→5ml
For Dilution: —
pH: Not Analyzed
% Moisture: —
% Moisture (Decanted): —
Lab Std ID: 2319-4,5

ALL RESULTS ARE REPORTED ON WET WEIGHT BASIS.

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

319-84-6	alpha-BHC	0.05U
319-85-7	beta-BHC	
319-86-8	delta-BHC	
58-89-9	gamma-BHC (Lindane)	
76-44-8	Heptachlor	
309-00-2	Aldrin	
1024-57-3	Heptachlor Epoxide	
959-98-8	Endosulfan I	
60-57-1	Dieldrin	0.1U
72-55-9	4,4'-DDE	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4,4'-DDD	
1031-07-8	Endosulfan Sulfate	
50-29-3	4,4'-DDT	
72-43-5	Methoxychlor	0.5U
53494-70-5	Endrin Ketone	0.1U
57-74-9	Chlordane	0.5U
8001-35-2	Toxaphene	1U
12674-11-2	Arochlor-1016	0.5U
11104-28-2	Arochlor-1221	
11141-16-5	Arochlor-1232	
53469-21-9	Arochlor-1242	
12672-29-6	Arochlor-1248	
11097-69-1	Arochlor-1254	1U
11096-82-5	Arochlor-1260	

U - Analyzed for but not detected (Reported Value is Detection Limit-DL)
J - Estimated Value (0 < Value < DL)
C - Confirmed by GC/MS-GC Quantitation
B - Compound found in Blank. Sample results are not Blank Corrected.
** - Detected below GC/MS DL-GC Quantitation
N - Not Confirmed by GC/MS-GC/MS DL
NA - Not Analyzed
NR - Not Reported

V_i = Volume of extract injected (ul)
V_s = Volume of water extracted (ml)
W_s = Weight of sample extracted (g)
V_t = Volume of total extract (ul)

V_s 1000 ml or
W_s — g
V_t 10,000 ul
V_i 5 ul

ORIGINAL (Red)

Surrogate Spike Recoveries — Circle Units: ug/Kg, (ug/L)

Lab ID	Fraction	Compound	Conc. Sample	Conc. Spiked	% Recovery
2319-29	Pest.	Dibutyl Chlorendate	0.84	1.0	84

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

Rev 8/85

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB887RE

LABORATORY	IT/CERR	CASE #/SAS #:	5215
LABORATORY ID:	35031AB1	QC REPORT #:	6962-245
MATRIX	WATER	CONTRACT #	68-01-6962
		DATE RECEIVED	11/14/85

DATA RELEASE AUTHORIZED BY Elizabeth Martinez

SEMIVOLATILE COMPOUNDS (PAGE 1)

LEVEL.	LOW	GPC	Y_ N✓
DATE EXT/PREP	12/19/85	SEP FUNNEL	Y_ N✓
DATE ANALYZED	01/08/86	CONT EXT	Y✓ N_
SPL-->EXTRACT.	1L 2ML		
PH:	Not Analyzed		
% MOISTURE (NOT DEC.)	↓		
% MOISTURE (DEC).	↓		
STANDARD ID.	BNA859		
SENSITIVITY ID.	FSS573		
UNITS.	UG/L		

Sample Originally Extracted: 11-18-85
Re-Extracted Due To:
LOW 2 FLUOROBIPHENYL
LOW P-TERPHENYL-D14

PP #	CAS #		CONC
65A	108-95-2	PHENOL	20. U
18B	111-44-4	BIS (2-CHLOROETHYL) ETHER	20 U
24A	95-57-8	2-CHLOROPHENOL	20. U
26B	541-73-1	1,3-DICHLOROBENZENE	20. U
27B	106-46-7	1,4-DICHLOROBENZENE	20. U
6H	100-51-6	BENZYL ALCOHOL	20 U
25B	95-50-1	1,2-DICHLOROBENZENE	20 U
2H	95-48-7	2-METHYLPHENOL	20. U
42B	39638-32-9	BIS (2-CHLOROISOPROPYL) ETHER	20. U
3H	106-44-5	4-METHYLPHENOL	20. U
63B	621-64-7	N-NITROSO-DI-N-PROPLYAMINE	20. U
12B	67-72-1	HEXACHLOROETHANE	20 U
56B	98-95-3	NITROBENZENE	20 U
54B	78-59-1	ISOPHORONE	20 U
57A	88-75-5	2-NITROPHENOL	20. U
34A	105-67-9	2,4-DIMETHYLPHENOL	20. U
1H	65-85-0	BENZOIC ACID	100 U
43B	111-91-1	BIS (2-CHLOROETHOXY) METHANE	20. U
31A	120-83-2	2,4-DICHLOROPHENOL	20. U
8B	120-82-1	1,2,4-TRICHLOROBENZENE	20. U
55B	91-20-3	NAPHTHALENE	20 U
7H	106-47-8	4-CHLOROANILINE	20. U
52B	87-68-3	HEXACHLOROBUTADIENE	20 U
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	20. U
9H	91-57-6	2-METHYLNAPHTHALENE	20. U
53B	77-47-4	HEXACHLOROCYCLOPENTADIENE	20. U
21A	88-06-2	2,4,6-TRICHLOROPHENOL	20. U
4H	95-95-4	2,4,5-TRICHLOROPHENOL	100. U
20B	91-58-7	2-CHLORONAPHTHALENE	20. U
10H	88-74-4	2-NITROANILINE	100 U
71B	131-11-3	DIMETHYLPHTHALATE	20. U
77B	208-96-8	ACENAPHTHALENE	20. U
11H	99-09-2	3-NITROANILINE	100. U
1B	83-32-9	ACENAPHTHENE	20. U
59A	51-28-5	2,4-DINITROPHENOL	100. U

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB887RE

LABORATORY: IT/CERR
LABORATORY ID: 35031AB1
MATRIX: WATER
CASE #/SAS #: 5215
QC REPORT #: 1862-245
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

DATA RELEASE AUTHORIZED BY Elizabeth Martinez

SEMIVOLATILE COMPOUNDS (PAGE 2)

LEVEL.	LOW	GPC	Y_ N✓
DATE EXT/PREP.	12/19/85	SEP FUNNEL	Y_ N✓
DATE ANALYZED.	01/08/86	CONT. EXT.	Y✓ N_
SPL-->EXTRACT	1L. 2ML		
PH:			
% MOISTURE (NOT DEC.)	Not Analyzed	Sample Originally Extracted: 11-18-85	
% MOISTURE (DEC)		Re-Extracted Due To:	
STANDARD ID	BNA859	LOW 2-FLUOROBIPHENYL	
SENSITIVITY ID	FSS573	LOW P-TERPHENYL-D14	
UNITS	UG/L		

PP #	CAS #		CONC
56A	100-02-7	4-NITROPHENOL	100 U
8H	132-64-9	DIBENZOFURAN	20 U
35B	121-14-2	2,4-DINITROTOLUENE	20. U
36B	606-20-2	2,6-DINITROTOLUENE	20 U
70B	84-66-2	DIETHYLPHTHALATE	20. U
[redacted]	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	20 U
[redacted]	86-73-7	FLUORENE	20 U
12H	100-01-6	4-NITROANILINE	100 U
60A	534-52-1	4,6-DINITRO-O-CRESOL	100 U
62B	86-30-6	N-NITROSODIPHENYLAMINE	20 U
41B	101-55-3	4-BROMOPHENOXYBENZENE	20 U
9B	118-74-1	HEXACHLOROBENZENE	20 U
64A	87-86-5	PENTACHLOROPHENOL	100 U
81B	85-01-8	PHENANTHRENE	20 U
78B	120-12-7	ANTHRACENE	20 U
68B	84-74-2	DI-N-BUTYLPHTHALATE	20 U
39B	206-44-0	FLUORANTHENE	20 U
84B	129-00-0	PYRENE	20 U
67B	85-68-7	BUTYLBENZYLPHTHALATE	20 U
28B	91-94-1	3,3'-DICHLOROBENZIDINE	40 U
72B	56-55-3	BENZO (A) ANTHRACENE	20. U
66B	117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	20. U
76B	218-01-9	CHRYSENE	20 U
69B	117-84-0	DI-N-OCTYLPHTHALATE	20 U
74B	205-99-2	BENZO (B & K) FLUORANTHENE	20. U
73B	50-32-8	BENZO (A) PYRENE	20. U
83B	193-39-5	INDENO-1,2,3 (C,D) PYRENE	20 U
82B	53-70-3	DIBENZO (A,H) ANTHRACENE	20 U
79B	191-24-2	BENZO (G,H,I) PERYLENE	20 U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS

ORIGINAL (PAGE)

AR100404

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB876

LABORATORY	IT/CERR	CASE #/SAS #	5215
LABORATORY ID.	35030N8	QC REPORT #	6962-245
MATRIX	WATER	CONTRACT #	68-01-6962
		DATE RECEIVED	11/14/85

DATA RELEASE AUTHORIZED BY: Elizabeth Martinez

Yours well

VOLATILE COMPOUNDS

LEVEL.	LOW
DATE EXT/PREP	11/21/85
DATE ANALYZED	11/21/85
SPL-->EXTRACT	5ML
PH	Not Analyzed
% MOISTURE (NOT DEC.)	
% MOISTURE (DEC.)	
STANDARD ID	VOA533
SENSITIVITY ID	BFD479
UNITS.	UG/L

PP #	CAS #		CONC
45V	74-87-3	CHLOROMETHANE	10 U
46V	74-83-9	BROMOMETHANE	10 U
88V	75-01-4	VINYL CHLORIDE	10 U
16V	75-00-3	CHLOROETHANE	10. U
44V	75-09-2	METHYLENE CHLORIDE	35. B
13H	67-64-1	ACETONE	3. J
15H	75-15-0	CARBON DISULFIDE	5 U
29V	75-35-4	1,1-DICHLOROETHENE	14
13V	75-34-3	1,1-DICHLOROETHANE	1 J
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	5
23V	67-66-3	CHLOROFORM	5 U
10V	107-06-2	1,2-DICHLOROETHANE	5 U
14H	78-93-3	2-BUTANONE	10 U
11V	71-55-6	1,1,1-TRICHLOROETHANE	110
6V	56-23-5	CARBON TETRACHLORIDE	5 U
19H	108-05-4	VINYL ACETATE	10 U
48V	75-27-4	BROMODICHLOROMETHANE	5. U
32V	78-87-5	1,2-DICHLOROPROPANE	5 U
33VT	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5 U
87V	79-01-6	TRICHLOROETHENE	84
51V	124-48-1	CHLORODIBROMOMETHANE	5 U
14V	79-00-5	1,1,2-TRICHLOROETHANE	5 U
4V	71-43-2	BENZENE	5 U
33VC	10061-01-5	CIS-1,3-DICHLOROPROPENE	5 U
19V	110-75-8	2-CHLOROETHYLVINYL ETHER	10 U
47V	75-25-2	BROMOFORM	5. U
6H	519-78-6	2-HEXANONE	10 U
7H	108-10-1	4-METHYL-2-PENTANONE	10 U
85V	127-18-4	TETRACHLOROETHENE	5 U
5V	79-34-5	1,1,2,2-TETRACHLOROETHANE	5 U
86V	108-88-3	TOLUENE	5 U
7V	108-90-7	CHLOROBENZENE	5 U
28V	100-41-4	ETHYLBENZENE	5 U
2H	100-42-5	STYRENE	5 U
20H	95-47-6	TOTAL XYLENES	5 U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS

ORIGINAL (Red)

AR100405

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB876

LABORATORY: IT/CERR
LABORATORY ID: 35030F10
MATRIX: WATER

CASE #/SAS #: 5215
QC REPORT #: 6962-245
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

DATA RELEASE AUTHORIZED BY: Elizabeth Martinez

SEMIVOLATILE COMPOUNDS (PAGE 1)

LEVEL	LOW	GPC	Y_ N✓
DATE EXT/PREP	11/16/85	SEP. FUNNEL	Y_ N✓
DATE ANALYZED:	12/12/85	CONT. EXT.	Y✓ N_
SPL-->EXTRACT:	1L. 2ML		
PH:	Not Analyzed		
% MOISTURE (NOT DEC.):			
% MOISTURE (DEC.)			
STANDARD ID	BNAZ451		
SENSITIVITY ID:	SENS854		
UNITS:	UG/L		

PP #	CAS #		CONC
65A	108-95-2	PHENOL	20. U
18B	111-44-4	BIS (2-CHLOROETHYL) ETHER	20. U
24A	95-57-8	2-CHLOROPHENOL	20. U
26B	541-73-1	1,3-DICHLOROBENZENE	20. U
27B	106-46-7	1,4-DICHLOROBENZENE	20. U
6H	100-51-6	BENZYL ALCOHOL	20. U
25B	95-50-1	1,2-DICHLOROBENZENE	20. U
[redacted]H	95-48-7	2-METHYLPHENOL	20. U
[redacted]B	39638-32-9	BIS (2-CHLOROISOPROPYL) ETHER	20. U
3H	106-44-5	4-METHYLPHENOL	20 U
63B	621-64-7	N-NITROSO-DI-N-PROPLYAMINE	20. U
12B	67-72-1	HEXACHLOROETHANE	20 U
56B	98-95-3	NITROBENZENE	20. U
54B	78-59-1	ISOPHORONE	20. U
57A	88-75-5	2-NITROPHENOL	20. U
34A	105-67-9	2,4-DIMETHYLPHENOL	20 U
1H	65-85-0	BENZOIC ACID	100. U
43B	111-91-1	BIS (2-CHLOROETHOXY) METHANE	20. U
31A	120-33-2	2,4-DICHLOROPHENOL	20. U
8B	120-82-1	1,2,4-TRICHLOROBENZENE	20. U
55B	91-20-3	NAPHTHALENE	20. U
7H	106-47-8	4-CHLOROANILINE	20 U
52B	87-68-3	HEXACHLOROBUTADIENE	20 U
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	20. U
9H	91-57-6	2-METHYLNAPHTHALENE	20 U
53B	77-47-4	HEXACHLOROCYCLOPENTADIENE	20. U
21A	88-06-2	2,4,6-TRICHLOROPHENOL	20 U
4H	95-95-4	2,4,5-TRICHLOROPHENOL	100 U
20B	91-58-7	2-CHLORONAPHTHALENE	20 U
10H	88-74-4	2-NITROANILINE	100. U
71B	131-11-3	DIMETHYLPHTHALATE	20 U
77B	208-96-8	ACENAPHTHALENE	20 U
[redacted]	99-09-2	3-NITROANILINE	100. U
[redacted]	83-32-9	ACENAPHTHENE	20. U
59A	51-28-5	2,4-DINITROPHENOL	100. U

ORIGINAL (REC)

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB876

LABORATORY	IT/CERR	CASE #/SAS #:	5215
LABORATORY ID:	35030F10	QC REPORT #:	6962-245
MATRIX:	WATER	CONTRACT #:	68-01-6962
		DATE RECEIVED:	11/14/85

DATA RELEASE AUTHORIZED BY: Elizabeth Martone

SEMIVOLATILE COMPOUNDS (PAGE 2)

LEVEL:	LOW	GPC	Y_ N✓
DATE EXT/PREP:	11/16/85	SEP. FUNNEL	Y_ N✓
DATE ANALYZED:	12/12/85	CONT EXT.	Y✓ N_
SPL-->EXTRACT:	1L: 2ML		
PH:	Not Analyzed		
% MOISTURE (NOT DEC.):			
% MOISTURE (DEC):			
STANDARD ID:	BNAZ451		
SENSITIVITY ID:	SENS854		
UNITS:	UG/L		

PP #	CAS #		CONC
58A	100-02-7	4-NITROPHENOL	100. U
8H	132-64-9	DIBENZOFURAN	20. U
35B	121-14-2	2,4-DINITROTOLUENE	20. U
36B	606-20-2	2,6-DINITROTOLUENE	20. U
70B	84-66-2	DIETHYLPHTHALATE	20. U
40B	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	20. U
80B	86-73-7	FLUORENE	20. U
12H	100-01-6	4-NITROANILINE	100. U
60A	534-52-1	4,6-DINITRO-O-CRESOL	100. U
62B	86-30-6	N-NITROSODIPHENYLAMINE	20. U
41B	101-55-3	4-BROMOPHENOXYBENZENE	20 U
9B	118-74-1	HEXACHLOROBENZENE	20. U
64A	87-86-5	PENTACHLOROPHENOL	100. U
81B	85-01-8	PHENANTHRENE	20 U
78B	120-12-7	ANTHRACENE	20. U
68B	84-74-2	DI-N-BUTYLPHTHALATE	20. U
39B	206-44-0	FLUORANTHENE	20 U
84B	129-00-0	PYRENE	20. U
67B	85-68-7	BUTYLBENZYLPHTHALATE	20. U
28B	91-94-1	3,3'-DICHLOROBENZIDINE	40. U
72B	56-55-3	BENZO (A) ANTHRACENE	20 U
66B	117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	20 U
76B	218-01-9	CHRYSENE	20. U
69B	117-84-0	DI-N-OCTYLPHTHALATE	20. U
74B	205-99-2	BENZO (B & K) FLUORANTHENE	20 U
73B	50-32-8	BENZO (A) PYRENE	20 U
83B	193-39-5	INDENO-1,2,3 (C,D) PYRENE	20 U
82B	53-70-3	DIBENZO (A,H) ANTHRACENE	20. U
79B	191-24-2	BENZO (G,H,I) PERYLENE	20. U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS.

ORIGINAL (Red)

Sample #: C8876

Laboratory: IT/Cerritos
Lab ID: 319-35
Lab ID for Dil: —
Sample Matrix: Water
Data Release Authorized by: TAS/TAR

Case #/SAS #: 5215
QC Report #: 6962-245

Contract #: 68-01-6962
Date Rec'd: 11-17-85

Elizabeth Martinez

Organics Analysis Data Sheet
Pesticide/PCB's

Sample Level: Low
Date Extracted: 11-15-85
Date Analyzed: 11-20-85
Spl->Extract: 1l → 10ml, 1ml → 1ml
For Dilution: —
pH: Not Analyzed
% Moisture: —
% Moisture (Decanted): —
Lab Std ID: 319-STD

ALL RESULTS ARE REPORTED ON WET WEIGHT BASIS.

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

319-84-6	alpha-BHC	0.05U
319-85-7	beta-BHC	
319-86-8	delta-BHC	
58-89-9	gamma-BHC (Lindane)	
76-44-8	Heptachlor	
309-00-2	Aldrin	
1024-57-3	Heptachlor Epoxide	
959-98-8	Endosulfan I	
60-57-1	Dieldrin	0.1U
72-55-9	4,4'-DDE	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4,4'-DDD	
1031-07-8	Endosulfan Sulfate	
50-29-3	4,4'-DDT	
72-43-5	Methoxychlor	0.5U
53494-70-5	Endrin Ketone	0.1U
57-74-9	Chlordane	0.5U
8001-35-2	Toxaphene	1U
12674-11-2	Arochlor-1016	0.5U
11104-28-2	Arochlor-1221	
11141-16-5	Arochlor-1232	
53469-21-9	Arochlor-1242	
12672-29-6	Arochlor-1248	
11097-69-1	Arochlor-1254	1U
11096-82-5	Arochlor-1260	

U - Analyzed for but not detected (Reported Value is Detection Limit-DL)
J - Estimated Value (0 < Value < DL)
C - Confirmed by GC/MS-GC Quantitation
B - Compound found in Blank. Sample results are not Blank Corrected.
** - Detected below GC/MS DL-GC Quantitation
N - Not Confirmed by GC/MS-GC/MS DL
NA - Not Analyzed
NR - Not Reported

V_i = Volume of extract injected (ul)
V_s = Volume of water extracted (ml)
W_s = Weight of sample extracted (g)
V_t = Volume of total extract (ul)

V_s 1000 ml or
W_s — g
V_t 10,000 ul
V_i 1 ul

Surrogate Spike Recoveries — Circle Units: ug/Kg, (ug/L)

Lab ID	Fraction	Compound	Conc. Sample	Conc. Spiked	% Recovery
319-35	Pest.	Dibutyl Chlorendate	0.36	10	36

* - Asterisked Values are outside QC Limits. NS - Not Spiked
# - _____ Recoveries due to Dilution.
s - _____ Recoveries due to Matrix Effects.

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ORGANICS ANALYSIS DATA SHEET SAMPLE # CB877

LABORATORY	IT/CERR	CASE #/SAS #:	5215
LABORATORY ID	35030N5	QC REPORT #	6962-245
MATRIX	WATER	CONTRACT #	68-01-6962
		DATE RECEIVED	11/14/85

DATA RELEASE AUTHORIZED BY Elizabeth Martinez

Drexel Heat Well

VOLATILE COMPOUNDS

LEVEL	LOW
DATE EXT/PREP	11/20/85
DATE ANALYZED	11/20/85
SPL-->EXTRACT	5ML
PH	Not Analyzed
% MOISTURE (NOT DEC.)	
% MOISTURE (DEC.)	
STANDARD ID:	VOA533
SENSITIVITY ID	BFD479
UNITS.	UG/L

PP #	CAS #		CONC	
45V	74-87-3	CHLOROMETHANE	10	U
46V	74-83-9	BROMOMETHANE	10	U
88V	75-01-4	VINYL CHLORIDE	10	U
16V	75-00-3	CHLOROETHANE	10	U
44V	75-09-2	METHYLENE CHLORIDE	48	B
13H	67-64-1	ACETONE	10	U
15H	75-15-0	CARBON DISULFIDE	5	U
29V	75-35-4	1,1-DICHLOROETHENE	5	U
13V	75-34-3	1,1-DICHLOROETHANE	5	U
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	5	U
23V	67-66-3	CHLOROFORM	5	U
10V	107-06-2	1,2-DICHLOROETHANE	5	U
14H	78-93-3	2-BUTANONE	10	U
11V	71-55-6	1,1,1-TRICHLOROETHANE	5	U
6V	56-23-5	CARBON TETRACHLORIDE	5	U
19H	108-05-4	VINYL ACETATE	10	U
48V	75-27-4	BROMODICHLOROMETHANE	5	U
32V	78-87-5	1,2-DICHLOROPROPANE	5	U
33VT	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
87V	79-01-6	TRICHLOROETHENE	5	U
51V	124-48-1	CHLORODIBROMOMETHANE	5	U
14V	79-00-5	1,1,2-TRICHLOROETHANE	5	U
4V	71-43-2	BENZENE	5	U
33VC	10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
19V	110-75-8	2-CHLOROETHYLVINYL ETHER	10	U
47V	75-25-2	BROMOFORM	5	U
16H	519-78-6	2-HEXANONE	10	U
17H	108-10-1	4-METHYL-2-PENTANONE	10	U
85V	127-18-4	TETRACHLOROETHENE	5	U
15V	79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
86V	108-88-3	TOLUENE	5	U
7V	108-90-7	CHLOROBENZENE	5	U
38V	100-41-4	ETHYLBENZENE	5	U
18H	100-42-5	STYRENE	5	U
20H	95-47-6	TOTAL XYLENES	5	U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB877

LABORATORY: IT/CERR
LABORATORY ID: 35030F9
MATRIX: WATER
CASE #/SAS #: 5215
QC REPORT #: 6962-245
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

DATA RELEASE AUTHORIZED BY: Elizabeth Martinez

SEMIVOLATILE COMPOUNDS (PAGE 1)

LEVEL	LOW	GPC	Y_ N✓
DATE EXT/PREP:	11/16/85	SEP FUNNEL	Y_ N✓
DATE ANALYZED:	12/12/85	CONT. EXT.	Y✓ N_
SPL-->EXTRACT:	1L. 2ML		
PH:	Not Analyzed		
% MOISTURE (NOT DEC.):			
% MOISTURE (DEC.):			
STANDARD ID:	BNAZ451		
SENSITIVITY ID:	SENS854		
UNITS:	UG/L		

PP #	CAS #		CONC
65A	108-95-2	PHENOL	20. U
18B	111-44-4	BIS (2-CHLOROETHYL) ETHER	20. U
24A	95-57-8	2-CHLOROPHENOL	20. U
26B	541-73-1	1,3-DICHLOROBENZENE	20. U
27B	106-46-7	1,4-DICHLOROBENZENE	20. U
[redacted]	100-51-6	BENZYL ALCOHOL	20. U
[redacted]	95-50-1	1,2-DICHLOROBENZENE	20. U
2H	95-48-7	2-METHYLPHENOL	20. U
42B	39638-32-9	BIS (2-CHLOROISOPROPYL) ETHER	20. U
3H	106-44-5	4-METHYLPHENOL	20. U
63B	621-64-7	N-NITROSO-DI-N-PROPLYAMINE	20 U
12B	67-72-1	HEXACHLOROETHANE	20. U
56B	98-95-3	NITROBENZENE	20. U
54B	78-59-1	ISOPHORONE	20. U
57A	88-75-5	2-NITROPHENOL	20. U
34A	105-67-9	2,4-DIMETHYLPHENOL	20. U
1H	65-85-0	BENZOIC ACID	100. U
43B	111-91-1	BIS (2-CHLOROETHOXY) METHANE	20 U
31A	120-33-2	2,4-DICHLOROPHENOL	20. U
8B	120-82-1	1,2,4-TRICHLOROBENZENE	20. U
55B	91-20-3	NAPHTHALENE	20. U
7H	106-47-8	4-CHLOROANILINE	20 U
52B	87-68-3	HEXACHLOROBUTADIENE	20 U
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	20. U
9H	91-57-6	2-METHYLNAPHTHALENE	20. U
53B	77-47-4	HEXACHLOROCYCLOPENTADIENE	20 U
21A	88-06-2	2,4,6-TRICHLOROPHENOL	20. U
4H	95-95-4	2,4,5-TRICHLOROPHENOL	100. U
20B	91-58-7	2-CHLORONAPHTHALENE	20. U
10H	88-74-4	2-NITROANILINE	100. U
71B	131-11-3	DIMETHYLPHTHALATE	20. U
[redacted]	208-96-8	ACENAPHTHALENE	20. U
[redacted]	99-09-2	3-NITROANILINE	100. U
1B	83-32-9	ACENAPHTHENE	20. U
59A	51-28-5	2,4-DINITROPHENOL	100. U

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB877

LABORATORY:	IT/CERR	CASE #/SAS #:	5215
LABORATORY ID:	35030F9	QC REPORT #:	6962-245
MATRIX:	WATER	CONTRACT #:	68-01-6962
		DATE RECEIVED:	11/14/85

DATA RELEASE AUTHORIZED BY: Elizabeth Martinez

SEMIVOLATILE COMPOUNDS (PAGE 2)

LEVEL.	LOW	GPC	Y_ N✓
DATE EXT/PREP	11/16/85	SEP. FUNNEL	Y_ N✓
DATE ANALYZED:	12/12/85	CONT. EXT	Y✓ N_
SPL--EXTRACT.	1L: 2ML		
PH.			
% MOISTURE (NOT DEC.):	Not Analyzed		
% MOISTURE (DEC.):	↓		
STANDARD ID.	BNAZ451		
SENSITIVITY ID:	SENS854		
UNITS	UG/L		

PP #	CAS #		CONC
58A	100-02-7	4-NITROPHENOL	100 U
8H	132-64-9	DIBENZOFURAN	20. U
35B	121-14-2	2,4-DINITROTOLUENE	20. U
36B	606-20-2	2,6-DINITROTOLUENE	20. U
70B	84-66-2	DIETHYLPHTHALATE	20. U
40B	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	20. U
80B	86-73-7	FLUORENE	20. U
12H	100-01-6	4-NITROANILINE	100. U
60A	534-52-1	4,6-DINITRO-O-CRESOL	100. U
62B	86-30-6	N-NITROSODIPHENYLAMINE	20. U
41B	101-55-3	4-BROMOPHENOXYBENZENE	20. U
9B	118-74-1	HEXACHLOROBENZENE	20 U
64A	87-86-5	PENTACHLOROPHENOL	100. U
81B	85-01-8	PHENANTHRENE	20. U
78B	120-12-7	ANTHRACENE	20. U
68B	84-74-2	DI-N-BUTYLPHTHALATE	20. U
39B	206-44-0	FLUORANTHENE	20 U
84B	129-00-0	PYRENE	20 U
67B	85-68-7	BUTYLBENZYLPHTHALATE	20. U
28B	91-94-1	3,3'-DICHLOROBENZIDINE	40. U
72B	56-55-3	BENZO (A) ANTHRACENE	20. U
66B	117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	20. U
76B	218-01-9	CHRYSENE	20. U
69B	117-84-0	DI-N-OCTYLPHTHALATE	20 U
74B	205-99-2	BENZO (B & K) FLUORANTHENE	20 U
73B	50-32-8	BENZO (A) PYRENE	20 U
83B	193-39-5	INDENO-1,2,3 (C,D) PYRENE	20. U
82B	53-70-3	DIBENZO (A,H) ANTHRACENE	20 U
79B	191-24-2	BENZO (G,H,I) PERYLENE	20. U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS.

Sample #: CR877

Laboratory: IT/Cerritos
Lab ID: 319-32
Lab ID for Dil: —
Sample Matrix: Water
Data Release Authorized by: TAR / TAR

Case #/SAS #: 5215
QC Report #: 6962-245
Contract #: 68-01-6962
Date Rec'd: 11-17-87

Elizabeth Martinez

Organics Analysis Data Sheet
Pesticide/PCB's

Sample Level: Low
Date Extracted: 11-17-87
Date Analyzed: 11-27-87
Spl->Extract: 1L → 10mL, 1mL → 1mL
For Dilution: —
pH: Not Analyzed
% Moisture:
% Moisture (Decanted):
Lab Std ID: 319-47

ALL RESULTS ARE REPORTED ON WET WEIGHT BASIS.

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

319-84-6	alpha-BHC	0.05U
319-85-7	beta-BHC	
319-86-8	delta-BHC	
58-89-9	gamma-BHC (Lindane)	
76-44-8	Heptachlor	
309-00-2	Aldrin	
1024-57-3	Heptachlor Epoxide	
959-98-8	Endosulfan I	
60-57-1	Dieldrin	0.1U
72-55-9	4,4'-DDE	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4,4'-DDD	
1031-07-8	Endosulfan Sulfate	
50-29-3	4,4'-DDT	
72-43-5	Methoxychlor	0.5U
53494-70-5	Endrin Ketone	0.1U
57-74-9	Chlordane	0.5U
8001-35-2	Toxaphene	1U
12674-11-2	Arochlor-1016	0.5U
11104-28-2	Arochlor-1221	
11141-16-5	Arochlor-1232	
53469-21-9	Arochlor-1242	
12672-29-6	Arochlor-1248	
11097-69-1	Arochlor-1254	1U
11096-82-5	Arochlor-1260	

U - Analyzed for but not detected (Reported Value is Detection Limit-DL)
J - Estimated Value (0 < Value < DL)
C - Confirmed by GC/MS-GC Quantitation
B - Compound found in Blank. Sample results are not Blank Corrected.
** - Detected below GC/MS DL-GC Quantitation
N - Not Confirmed by GC/MS-GC/MS DL
NA - Not Analyzed
NR - Not Reported

V_i = Volume of extract injected (ul)
V_s = Volume of water extracted (ml)
W_s = Weight of sample extracted (g)
V_t = Volume of total extract (ul)

V_s 1000 ml or
W_s — g
V_t 10,000 ul
V_i 1 ul

Surrogate Spike Recoveries

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

Lab ID	Fraction	Compound	Conc. Sample	Conc. Spiked	% Recovery
319-32	Pest.	Dibutyl Chlorendate	0.5U	10	5U

* - Asterisked Values are outside QC Limits. NS - Not Spiked
# - _____ Recoveries due to Dilution.
s - _____ Recoveries due to Matrix Effects.

Rev 8/85

AR100412

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB880

LABORATORY: IT/CERR
LABORATORY ID. 35031N5
MATRIX WATER

CASE #/SAS # 5215
QC REPORT # 6962-247
CONTRACT # 68-01-6962
DATE RECEIVED 11/14/85

DATA RELEASE AUTHORIZED BY:

Check From School

VOLATILE COMPOUNDS

LEVEL:	LOW
DATE EXT/PREP:	11/21/85
DATE ANALYZED:	11/21/85
SPL--EXTRACT:	1ML 5ML
PH:	Not Analyzed
% MOISTURE (NOT DEC):	
% MOISTURE (DEC.):	
STANDARD ID:	VOA535
SENSITIVITY ID	BFD481
UNITS	UG/L

F #	CAS #		CONC	
45V	74-87-3	CHLOROMETHANE	50.	U
4 V	74-83-9	BROMOMETHANE	50	U
6 V	75-01-4	VINYL CHLORIDE	50.	U
16V	75-00-3	CHLOROETHANE	50.	U
9 V	75-09-2	METHYLENE CHLORIDE	240.	B
1 H	67-64-1	ACETONE	890.	B
15H	75-15-0	CARBON DISULFIDE	30.	U
29V	75-35-4	1,1-DICHLOROETHENE	30	U
1 V	75-34-3	1,1-DICHLOROETHANE	30	U
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	30	U
23V	67-66-3	CHLOROFORM	22.	J
1 V	107-06-2	1,2-DICHLOROETHANE	30.	U
1 H	78-93-3	2-BUTANONE	50	U
11V	71-55-6	1,1,1-TRICHLOROETHANE	30	U
V	56-23-5	CARBON TETRACHLORIDE	30.	U
1 H	108-05-4	VINYL ACETATE	50	U
18V	75-27-4	BROMODICHLOROMETHANE	30	U
3?V	78-87-5	1,2-DICHLOROPROPANE	30	U
3 VT	10061-02-6	TRANS-1,3-DICHLOROPROPENE	30	U
8 V	79-01-6	TRICHLOROETHENE	30	U
21V	124-48-1	CHLORODIBROMOMETHANE	30	U
1 V	79-00-5	1,1,2-TRICHLOROETHANE	30	U
V	71-43-2	BENZENE	30	U
33VC	10061-01-5	CIS-1,3-DICHLOROPROPENE	30	U
17V	110-75-8	2-CHLOROETHYLVINYL ETHER	50	U
4 V	75-25-2	BROMOFORM	30	U
16H	519-78-6	2-HEXANONE	50	U
17H	108-10-1	4-METHYL-2-PENTANONE	50	U
8 V	127-18-4	TETRACHLOROETHENE	30	U
10V	79-34-5	1,1,2,2-TETRACHLOROETHANE	30	U
86V	108-88-3	TOLUENE	30	U
V	108-90-7	CHLOROBENZENE	30.	U
3 V	100-41-4	ETHYLBENZENE	30	U
24V	100-42-5	STYRENE	30.	U
20V	95-47-6	TOTAL XYLENES	30.	U

ORIGINAL (Red)

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB880

LABORATORY IT/CERR
[redacted]RATORY ID. 35031F5
[redacted]IX. WATER

CASE #/SAS #: 5215
QC REPORT # 6962-247
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

DATA RELEASE AUTHORIZED BY:

SEMIVOLATILE COMPOUNDS (PAGE 1)

LEVEL	LOW	GPC	Y_ N X
DATE EXT/PREP	11/18/85	SEP FUNNEL	Y_ N X
DATE ANALYZED.	12/12/85	CONT. EXT.	Y X N_
SPL-->EXTRACT.	1L. 2ML--50UL: 1ML		
PH.	Not Analyzed		
% MOISTURE (NOT DEC.).			
% MOISTURE (DEC.)			
STANDARD ID:	BNAZ452		
SENSITIVITY ID	SENS855		
UNITS.	UG/L		

PP #	CAS #		CONC
65A	108-95-2	PHENOL	400. U
18B	111-44-4	BIS (2-CHLOROETHYL) ETHER	400. U
24A	95-57-8	2-CHLOROPHENOL	400. U
26B	541-73-1	1,3-DICHLOROBENZENE	400. U
27B	106-46-7	1,4-DICHLOROBENZENE	400. U
[redacted]	100-51-6	BENZYL ALCOHOL	400. U
[redacted]	95-50-1	1,2-DICHLOROBENZENE	400. U
2H	95-48-7	2-METHYLPHENOL	400. U
42B	39638-32-9	BIS (2-CHLOROISOPROPYL) ETHER	400. U
3H	106-44-5	4-METHYLPHENOL	400. U
63B	621-64-7	N-NITROSO-DI-N-PROPLYAMINE	400. U
12B	67-72-1	HEXACHLOROETHANE	400. U
56B	98-95-3	NITROBENZENE	400. U
54B	78-59-1	ISOPHORONE	400 U
57A	88-75-5	2-NITROPHENOL	400. U
34A	105-67-9	2,4-DIMETHYLPHENOL	400. U
1H	65-85-0	BENZOIC ACID	2000. U
43B	111-91-1	BIS (2-CHLOROETHOXY) METHANE	400. U
31A	120-33-2	2,4-DICHLOROPHENOL	400. U
8B	120-82-1	1,2,4-TRICHLOROBENZENE	400. U
55B	91-20-3	NAPHTHALENE	400. U
7H	106-47-8	4-CHLOROANILINE	400. U
52B	87-68-3	HEXACHLOROBUTADIENE	400. U
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	400 U
9H	91-57-6	2-METHYLNAPHTHALENE	400. U
53B	77-47-4	HEXACHLOROCYCLOPENTADIENE	400 U
21A	88-06-2	2,4,6-TRICHLOROPHENOL	400. U
4H	95-95-4	2,4,5-TRICHLOROPHENOL	2000. U
20B	91-58-7	2-CHLORONAPHTHALENE	400. U
10H	88-74-4	2-NITROANILINE	2000. U
[redacted]	131-11-3	DIMETHYLPHTHALATE	400. U
[redacted]	208-96-8	ACENAPHTHALENE	400. U
11H	99-09-2	3-NITROANILINE	2000. U
1B	83-32-9	ACENAPHTHENE	400. U
59A	51-28-5	2,4-DINITROPHENOL	2000. U

OR... (Red.

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB880

LABORATORY IT/CERR
LABORATORY ID: 35031F5
MATRIX WATER

CASE #/SAS #: 5215
GC REPORT #: 6962-247
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

DATA RELEASE AUTHORIZED BY:

SEMIVOLATILE COMPOUNDS (PAGE 2)

LEVEL.	LOW	GPC	Y_ N X
DATE EXT/PREP:	11/18/85	SEP. FUNNEL	Y_ N X
DATE ANALYZED:	12/12/85	CONT EXT.	Y X N_
SPL-->EXTRACT	1L. 2ML--50UL: 1ML		
PH:	Not Analyzed		
% MOISTURE (NOT DEC.):			
% MOISTURE (DEC.)			
STANDARD ID:	BNAZ452		
SENSITIVITY ID	SENS855		
UNITS:	UG/L		

PP #	CAS #		CONC
58A	100-02-7	4-NITROPHENOL	2000. U
8H	132-64-9	DIBENZOFURAN	400. U
35B	121-14-2	2,4-DINITROTOLUENE	400. U
36B	606-20-2	2,6-DINITROTOLUENE	400. U
70B	84-66-2	DIETHYLPHTHALATE	400. U
40B	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	400. U
80B	86-73-7	FLUORENE	400. U
12H	100-01-6	4-NITROANILINE	2000. U
60A	534-52-1	4,6-DINITRO-O-CRESOL	2000. U
62B	86-30-6	N-NITROSODIPHENYLAMINE	400. U
41B	101-55-3	4-BROMOPHENOXYBENZENE	400. U
9B	118-74-1	HEXACHLOROBENZENE	400. U
64A	87-86-5	PENTACHLOROPHENOL	2000. U
81B	85-01-8	PHENANTHRENE	400. U
78B	120-12-7	ANTHRACENE	400 U
68B	84-74-2	DI-N-BUTYLPHTHALATE	400. U
39B	206-44-0	FLUORANTHENE	400. U
84B	129-00-0	PYRENE	400. U
67B	85-68-7	BUTYLBENZYLPHTHALATE	400. U
28B	91-94-1	3,3'-DICHLOROBENZIDINE	800. U
72B	56-55-3	BENZO (A) ANTHRACENE	400. U
66B	117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	400. U
76B	218-01-9	CHRYSENE	400. U
69B	117-84-0	DI-N-OCTYLPHTHALATE	400. U
74B	205-99-2	BENZO (B & K) FLUORANTHENE	400 U
73B	50-32-8	BENZO (A) PYRENE	400 U
83B	193-39-5	INDENO-1,2,3 (C,D) PYRENE	400 U
82B	53-70-3	DIBENZO (A,H) ANTHRACENE	400 U
79B	191-24-2	BENZO (G,H,I) PERYLENE	400. U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS

Sample #: CB880 (Hg)

Laboratory: IT/Cerritos
Lab ID: 2319-17
Lab ID for Dil: —
Sample Matrix: Water
Data Release Authorized by: KJ, PH

Case #/SAS #: 5215
QC Report #: 6962-267
Contract #: 68-01-6962
Date Rec'd: 11-14-85

Organics Analysis Data Sheet
Pesticide/PCB's

Sample Level: Low
Date Extracted: 11-16-85
Date Analyzed: 12-2-85
Spl->Extract: 1l→10mL; 5in1→5mL
For Dilution:
pH: Not Analyzed
% Moisture:
% Moisture (Decanted):
Lab Std ID: 2319-4,5

ALL RESULTS ARE REPORTED ON WET WEIGHT BASIS.

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

319-84-6	alpha-BHC	0.05u
319-85-7	beta-BHC	
319-86-8	delta-BHC	
58-89-9	gamma-BHC (Lindane)	
76-44-8	Heptachlor	
309-00-2	Aldrin	
1024-57-3	Heptachlor Epoxide	
959-98-8	Endosulfan I	
60-57-1	Dieldrin	0.1u
72-55-9	4,4'-DDE	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4,4'-DDD	
1031-07-8	Endosulfan Sulfate	
50-29-3	4,4'-DDT	
72-43-5	Methoxychlor	0.5u
53494-70-5	Endrin Ketone	0.1u
57-74-9	Chlordane	0.5u
8001-35-2	Toxaphene	1u
12674-11-2	Arochlor-1016	0.5u
11104-28-2	Arochlor-1221	
11141-16-5	Arochlor-1232	
53469-21-9	Arochlor-1242	
12672-29-6	Arochlor-1248	
11097-69-1	Arochlor-1254	1u
11096-82-5	Arochlor-1260	

U - Analyzed for but not detected (Reported Value is Detection Limit-DL)
J - Estimated Value (0 < Value < DL)
C - Confirmed by GC/MS-GC Quantitation
B - Compound found in Blank. Sample results are not Blank Corrected.
** - Detected below GC/MS DL-GC Quantitation
N - Not Confirmed by GC/MS-GC/MS DL
NA - Not Analyzed
NR - Not Reported

V_i = Volume of extract injected (ul)
V_s = Volume of water extracted (ml)
W_s = Weight of sample extracted (g)
V_t = Volume of total extract (ul)

V_s 1000 ml or
W_s — g
V_t 10,000 ul
V_i 5 ul

ORIGINAL (Red)

Surrogate Spike Recoveries — Circle Units: ug/Kg, ug/L

Lab ID	Fraction	Compound	Conc. Sample	Conc. Spiked	% Recovery
2319-17	Pest.	Dibutyl Chlorendate	0.50	1.0	50

* - Asterisked Values are outside QC Limits. NS - Not Spiked
\# - _____ Recoveries due to Dilution.
s - _____ Recoveries due to Matrix Effects.

Rev 8/85

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB882

LABORATORY IT/CERR
LABORATORY ID. 35031N4
MATRIX: WATER

CASE #/SAS #: 5215
QC REPORT #: 6962-247
CONTRACT #: 68-01-6962
DATE RECEIVED 11/14/85

DATA RELEASE AUTHORIZED BY

PECO well

VOLATILE COMPOUNDS

LEVEL	LOW
DATE EXT/PREP	11/21/85
DATE ANALYZED	11/21/85
SPL--EXTRACT	5ML
PH.	Not Analyzed
% MOISTURE (NOT DEC.)	
% MOISTURE (DEC.)	
STANDARD ID	VOA535
SENSITIVITY ID	BFD481
UNITS	UG/L

P #	CAS #		CONC	
45V	74-87-3	CHLOROMETHANE	10.	U
4 V	74-83-9	BROMOMETHANE	10.	U
3 V	75-01-4	VINYL CHLORIDE	10.	U
16V	75-00-3	CHLOROETHANE	10.	U
4 V	75-09-2	METHYLENE CHLORIDE	26.	B
1 H	67-64-1	ACETONE	25.	B
15H	75-15-0	CARBON DISULFIDE	5.	U
29V	75-35-4	1,1-DICHLOROETHENE	5.	U
1 V	75-34-3	1,1-DICHLOROETHANE	5.	U
3 V	156-60-5	TRANS-1,2-DICHLOROETHENE	5.	U
23V	67-66-3	CHLOROFORM	4.	J
1 V	107-06-2	1,2-DICHLOROETHANE	5	U
1 H	78-93-3	2-BUTANONE	10.	U
11V	71-55-6	1,1,1-TRICHLOROETHANE	4	J
V	56-23-5	CARBON TETRACHLORIDE	5.	U
H	108-05-4	VINYL ACETATE	10	U
9V	75-27-4	BROMODICHLOROMETHANE	5.	U
2V	78-87-5	1,2-DICHLOROPROPANE	5	U
3 VT	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U
8 V	79-01-6	TRICHLOROETHENE	5.	U
51V	124-48-1	CHLORODIBROMOMETHANE	5	U
1 V	79-00-5	1,1,2-TRICHLOROETHANE	5.	U
V	71-43-2	BENZENE	5.	U
83VC	10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U
19V	110-75-8	2-CHLOROETHYLVINYL ETHER	10	U
4 V	75-25-2	BROMOFORM	5	U
6H	519-78-6	2-HEXANONE	10	U
17H	108-10-1	4-METHYL-2-PENTANONE	10	U
8 V	127-18-4	TETRACHLOROETHENE	5	U
1 V	79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U
86V	108-88-3	TOLUENE	5	U
7 V	108-90-7	CHLOROBENZENE	5.	U
81 V	100-41-4	ETHYLBENZENE	5	U
18H	100-42-5	STYRENE	5.	U
20H	95-47-6	TOTAL XYLENES	5.	U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB882

LABORATORY: IT/CERR
LABORATORY ID: 35031F9
MATRIX: WATER
CASE #/SAS #: 5215
QC REPORT #: 6962-247
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

[redacted]TA RELEASE AUTHORIZED BY:

SEMIVOLATILE COMPOUNDS (PAGE 1)

LEVEL:	LOW	GPC	Y_ N X
DATE EXT/PREP:	11/18/85	SEP. FUNNEL	Y_ N X
DATE ANALYZED:	12/13/85	CONT. EXT.	Y X N_
SPL-->EXTRACT:	1L. 2ML		
PH:	Not Analyzed		
% MOISTURE (NOT DEC.):	1		
% MOISTURE (DEC.):	1		
STANDARD ID:	BNAZ453		
SENSITIVITY ID	SENS858		
UNITS:	UG/L		

PP #	CAS #		CONC
65A	108-95-2	PHENOL	20. U
18B	111-44-4	BIS (2-CHLOROETHYL) ETHER	20. U
24A	95-57-8	2-CHLOROPHENOL	20. U
26B	541-73-1	1,3-DICHLOROBENZENE	20. U
27B	106-46-7	1,4-DICHLOROBENZENE	20. U
6H	100-51-6	BENZYL ALCOHOL	20. U
[redacted]	95-50-1	1,2-DICHLOROBENZENE	20. U
[redacted]	95-48-7	2-METHYLPHENOL	20. U
[redacted]	39638-32-9	BIS (2-CHLOROISOPROPYL) ETHER	20. U
3H	106-44-5	4-METHYLPHENOL	20. U
63B	621-64-7	N-NITROSO-DI-N-PROPLYAMINE	20. U
12B	67-72-1	HEXACHLOROETHANE	20. U
56B	98-95-3	NITROBENZENE	20. U
54B	78-59-1	ISOPHORONE	20. U
57A	88-75-5	2-NITROPHENOL	20. U
34A	105-67-9	2,4-DIMETHYLPHENOL	20. U
1H	65-85-0	BENZOIC ACID	100. U
43B	111-91-1	BIS (2-CHLOROETHOXY) METHANE	20. U
31A	120-33-2	2,4-DICHLOROPHENOL	20 U
8B	120-82-1	1,2,4-TRICHLOROBENZENE	20 U
35B	91-20-3	NAPHTHALENE	20. U
7H	106-47-8	4-CHLOROANILINE	20. U
52B	87-68-3	HEXACHLOROBUTADIENE	20. U
72A	59-50-7	4-CHLORO-3-METHYLPHENOL	20 U
9H	91-57-6	2-METHYLNAPHTHALENE	20. U
53B	77-47-4	HEXACHLOROCYCLOPENTADIENE	20 U
21A	88-06-2	2,4,6-TRICHLOROPHENOL	20. U
4H	95-95-4	2,4,5-TRICHLOROPHENOL	100. U
20B	91-58-7	2-CHLORONAPHTHALENE	20. U
10H	88-74-4	2-NITROANILINE	100. U
1B	131-11-3	DIMETHYLPHTHALATE	20. U
7B	208-96-8	ACENAPHTHALENE	20. U
1[redacted]	99-09-2	3-NITROANILINE	100. U
[redacted]	83-32-9	ACENAPHTHENE	20. U
9A	51-28-5	2,4-DINITROPHENOL	100. U

ORIGINAL (Red)

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB882

LABORATORY: IT/CERR
LABORATORY ID: 35031F9
MATRIX: WATER

CASE #/SAS #: 5215
QC REPORT #: 6962-247
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

DATA RELEASE AUTHORIZED BY:

SEMIVOLATILE COMPOUNDS (PAGE 2)

LEVEL.	LOW	GPC	Y_ N✓
DATE EXT/PREP:	11/18/85	SEP. FUNNEL	Y_ N✓
DATE ANALYZED:	12/13/85	CONT. EXT.	Y✓ N_
SPL-->EXTRACT:	1L: 2ML		
PH:	Not Analyzed		
% MOISTURE (NOT DEC.):			
% MOISTURE (DEC.).			
STANDARD ID:	BNAZ453		
SENSITIVITY ID:	SENS858		
UNITS:	UG/L		

PP #	CAS #		CONC
58A	100-02-7	4-NITROPHENOL	100. U
8H	132-64-9	DIBENZOFURAN	20. U
35B	121-14-2	2,4-DINITROTOLUENE	20. U
36B	606-20-2	2,6-DINITROTOLUENE	20. U
70B	84-66-2	DIETHYLPHTHALATE	20. U
40B	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	20. U
80B	86-73-7	FLUORENE	20. U
12H	100-01-6	4-NITROANILINE	100. U
60A	534-52-1	4,6-DINITRO-O-CRESOL	100. U
62B	86-30-6	N-NITROSODIPHENYLAMINE	20. U
41B	101-55-3	4-BROMOPHENOXYBENZENE	20. U
9B	118-74-1	HEXACHLOROBENZENE	20. U
64A	87-86-5	PENTACHLOROPHENOL	100. U
81B	85-01-8	PHENANTHRENE	20 U
78B	120-12-7	ANTHRACENE	20 U
68B	84-74-2	DI-N-BUTYLPHTHALATE	20. U
39B	206-44-0	FLUORANTHENE	20. U
84B	129-00-0	PYRENE	20. U
67B	85-68-7	BUTYLBENZYLPHTHALATE	20 U
28B	91-94-1	3,3'-DICHLOROBENZIDINE	40. U
72B	56-55-3	BENZO (A) ANTHRACENE	20. U
66B	117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	20. U
76B	218-01-9	CHRYSENE	20. U
69B	117-84-0	DI-N-OCTYLPHTHALATE	20. U
74B	205-99-2	BENZO (B & K) FLUORANTHENE	20. U
73B	50-32-8	BENZO (A) PYRENE	20 U
83B	193-39-5	INDENO-1,2,3 (C,D) PYRENE	20. U
82B	53-70-3	DIBENZO (A,H) ANTHRACENE	20 U
79B	191-24-2	BENZO (G,H,I) PERYLENE	20. U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS

ORIGINAL (Red)

Sample #: CB882 (HS)

Laboratory: IT/Cerritos
Lab ID: 2319-23
Lab ID for Dil: —
Sample Matrix: Water
Data Release Authorized by: KD, PH

Case #/SAS #: 5215
QC Report #: 6962-247
Contract #: 68-01-6962
Date Rec'd: 11-14-85

Organics Analysis Data Sheet
Pesticide/PCB's

Sample Level: Low
Date Extracted: 11-16-85
Date Analyzed: 12-3-85
Spl->Extract: 1l->10ml;5ml->5ml
For Dilution: —
pH: Not Analyzed
% Moisture: ↓
% Moisture (Decanted): ↓
Lab Std ID: 2319-4,5

ALL RESULTS ARE REPORTED ON WET WEIGHT BASIS.

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

319-84-6	alpha-BHC	0.05u
319-85-7	beta-BHC	
319-86-8	delta-BHC	
58-89-9	gamma-BHC (Lindane)	
76-44-8	Heptachlor	
309-00-2	Aldrin	
1024-57-3	Heptachlor Epoxide	
959-98-8	Endosulfan I	↓
60-57-1	Dieldrin	0.1u
72-55-9	4,4'-DDE	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4,4'-DDD	
1031-07-8	Endosulfan Sulfate	
50-29-3	4,4'-DDT	↓
72-43-5	Methoxychlor	0.5u
53494-70-5	Endrin Ketone	0.1u
57-74-9	Chlordane	0.5u
8001-35-2	Toxaphene	1u
12674-11-2	Arochlor-1016	0.5u
11104-28-2	Arochlor-1221	
11141-16-5	Arochlor-1232	
53469-21-9	Arochlor-1242	
12672-29-6	Arochlor-1248	↓
11097-69-1	Arochlor-1254	1u
11096-82-5	Arochlor-1260	

U - Analyzed for but not detected (Reported Value is Detection Limit-DL)
J - Estimated Value (0 < Value < DL)
C - Confirmed by GC/MS-GC Quantitation
B - Compound found in Blank. Sample results are not Blank Corrected.
** - Detected below GC/MS DL-GC Quantitation
N - Not Confirmed by GC/MS-GC/MS DL
NA - Not Analyzed
NR - Not Reported

V_i = Volume of extract injected (ul)
V_s = Volume of water extracted (ml)
W_s = Weight of sample extracted (g)
V_t = Volume of total extract (ul)

V_s 1000 ml or
W_s — g
V_t 10,000 ul
V_i 5 ul

Surrogate Spike Recoveries

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

Lab ID	Fraction	Compound	Conc. Sample	Conc. Spiked	% Recovery
2319-23	Pest.	Dibutyl Chlorendate	0.23	1.0	23 *

ORIGINAL

* - Asterisked Values are outside QC Limits.
\# - _____ Recoveries due to Dilution.
s - _____ Recoveries due to Matrix Effects.
NS - Not Spiked

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ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB883

. BORATORY IT/CERR
.ABORATORY ID. 35031N6
1 TRIX. WATER

CASE #/SAS #: 5215
QC REPORT #. 6962-247
CONTRACT #: 68-01-6962
DATE RECEIVED. 11/14/85

)ATA RELEASE AUTHORIZED BY:

(Chuck Farm Spring)

VOLATILE COMPOUNDS

LEVEL.	LOW
DATE EXT/PREP	11/21/85
DATE ANALYZED:	11/21/85
SPL-->EXTRACT.	5ML
PH:	Not Analyzed
% MOISTURE (NOT DEC)	
% MOISTURE (DEC)	
STANDARD ID	VOA535
SENSITIVITY ID.	BFD481
UNITS.	UG/L

P #	CAS #		CONC	
45V	74-87-3	CHLOROMETHANE	10. U	
4 V	74-83-9	BROMOMETHANE	10. U	
3eV	75-01-4	VINYL CHLORIDE	10. U	
16V	75-00-3	CHLOROETHANE	10. U	
4 V	75-09-2	METHYLENE CHLORIDE	31	B
1 H	67-64-1	ACETONE	10. U	
15H	75-15-0	CARBON DISULFIDE	5 U	
2 V	75-35-4	1,1-DICHLOROETHENE	5. U	
1 V	75-34-3	1,1-DICHLOROETHANE	5 U	
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	5 U	
2 V	67-66-3	CHLOROFORM	5 U	
1 V	107-06-2	1,2-DICHLOROETHANE	5. U	
1 H	78-93-3	2-BUTANONE	10 U	
11V	71-55-6	1,1,1-TRICHLOROETHANE	5. U	
V	56-23-5	CARBON TETRACHLORIDE	5. U	
1 H	108-05-4	VINYL ACETATE	10. U	
48V	75-27-4	BROMODICHLOROMETHANE	5. U	
V	78-87-5	1,2-DICHLOROPROPANE	5 U	
3 VT	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5. U	
3 V	79-01-6	TRICHLOROETHENE	5 U	
51V	124-48-1	CHLORODIBROMOMETHANE	5 U	
1 V	79-00-5	1,1,2-TRICHLOROETHANE	5 U	
V	71-43-2	BENZENE	5 U	
33VC	10061-01-5	CIS-1,3-DICHLOROPROPENE	5. U	
1 V	110-75-8	2-CHLOROETHYLVINYL ETHER	10 U	
4 V	75-25-2	BROMOFORM	5 U	
16H	519-78-6	2-HEXANONE	10 U	
1 H	108-10-1	4-METHYL-2-PENTANONE	10 U	
5 V	127-18-4	TETRACHLOROETHENE	5 U	
15V	79-34-5	1,1,2,2-TETRACHLOROETHANE	5 U	
36V	108-88-3	TOLUENE	5 U	
V	108-90-7	CHLOROBENZENE	5 U	
5V	100-41-4	ETHYLBENZENE	5 U	
19H	100-42-5	STYRENE	5. U	
5 H	95-47-6	TOTAL XYLENES	5. U	

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS

AR100421

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB883

LABORATORY: IT/CERR
LABORATORY ID. 35031F15.
[redacted]RIX WATER

CASE #/SAS #: 5215
QC REPORT #: 6962-247
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

DATA RELEASE AUTHORIZED BY:

SEMIVOLATILE COMPOUNDS (PAGE 1)

LEVEL.	LOW	GPC	Y_	N X
DATE EXT/PREP	11/18/85	SEP. FUNNEL	Y_	N X
DATE ANALYZED	12/13/85	CONT EXT.	Y X	N_
SPL-->EXTRACT	1L: 2ML			
PH	Not Analyzed			
% MOISTURE (NOT DEC.):				
% MOISTURE (DEC)				
STANDARD ID.	BNAZ453			
SENSITIVITY ID.	SENS858			
UNITS	UG/L			

PP #	CAS #		CONC
65A	108-95-2	PHENOL	20. U
18B	111-44-4	BIS (2-CHLOROETHYL) ETHER	20. U
24A	95-57-8	2-CHLOROPHENOL	20. U
26B	541-73-1	1,3-DICHLOROBENZENE	20 U
27B	106-46-7	1,4-DICHLOROBENZENE	20. U
[redacted]	100-51-6	BENZYL ALCOHOL	20. U
[redacted]	95-50-1	1,2-DICHLOROBENZENE	20. U
[redacted]	95-48-7	2-METHYLPHENOL	20. U
42B	39638-32-9	BIS (2-CHLOROISOPROPYL) ETHER	20. U
3H	106-44-5	4-METHYLPHENOL	20 U
63B	621-64-7	N-NITROSO-DI-N-PROPLYAMINE	20 U
12B	67-72-1	HEXACHLOROETHANE	20. U
56B	98-95-3	NITROBENZENE	20 U
54B	78-59-1	ISOPHORONE	20. U
57A	88-75-5	2-NITROPHENOL	20. U
34A	105-67-9	2,4-DIMETHYLPHENOL	20. U
1H	65-85-0	BENZOIC ACID	100. U
43B	111-91-1	BIS (2-CHLOROETHOXY) METHANE	20. U
31A	120-33-2	2,4-DICHLOROPHENOL	20. U
8B	120-82-1	1,2,4-TRICHLOROBENZENE	20. U
55B	91-20-3	NAPHTHALENE	20. U
7H	106-47-8	4-CHLOROANILINE	20 U
52B	87-68-3	HEXACHLOROBUTADIENE	20 U
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	20. U
9H	91-57-6	2-METHYLNAPHTHALENE	20 U
53B	77-47-4	HEXACHLOROCYCLOPENTADIENE	20 U
21A	88-06-2	2,4,6-TRICHLOROPHENOL	20. U
4H	95-95-4	2,4,5-TRICHLOROPHENOL	100. U
20B	91-58-7	2-CHLORONAPHTHALENE	20. U
10H	88-74-4	2-NITROANILINE	100. U
[redacted]	131-11-3	DIMETHYLPHTHALATE	20. U
[redacted]	208-96-8	ACENAPHTHALENE	20. U
[redacted]	99-09-2	3-NITROANILINE	100. U
1B	83-32-9	ACENAPHTHENE	20. U
59A	51-28-5	2,4-DINITROPHENOL	100. U

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB883

LABORATORY: IT/CERR
LABORATORY ID: 35031F15
MATRIX: WATER
CASE #/SAS #: 5215
QC REPORT #: 6962-247
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

DATA RELEASE AUTHORIZED BY

SEMIVOLATILE COMPOUNDS (PAGE 2)

LEVEL:	LOW	GPC	Y_ N X
DATE EXT/PREP:	11/18/85	SEP. FUNNEL	Y_ N X
DATE ANALYZED:	12/13/85	CONT. EXT.	Y X N_
SPL-->EXTRACT:	1L. 2ML		
PH:	Not Analyzed		
% MOISTURE (NOT DEC.):			
% MOISTURE (DEC.)			
STANDARD ID:	BNAZ453		
SENSITIVITY ID:	SENS858		
UNITS:	UG/L		

PP #	CAS #		CONC
58A	100-02-7	4-NITROPHENOL	100. U
8H	132-64-9	DIBENZOFURAN	20. U
35B	121-14-2	2,4-DINITROTOLUENE	20. U
36B	606-20-2	2,6-DINITROTOLUENE	20. U
70B	84-66-2	DIETHYLPHTHALATE	20. U
40B	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	20. U
80B	86-73-7	FLUORENE	20. U
12H	100-01-6	4-NITROANILINE	100. U
60A	534-52-1	4,6-DINITRO-O-CRESOL	100. U
62B	86-30-6	N-NITROSODIPHENYLAMINE	20. U
41B	101-55-3	4-BROMOPHENOXYBENZENE	20. U
9B	118-74-1	HEXACHLOROBENZENE	20 U
64A	87-86-5	PENTACHLOROPHENOL	100. U
81B	85-01-8	PHENANTHRENE	20. U
78B	120-12-7	ANTHRACENE	20. U
68B	84-74-2	DI-N-BUTYLPHTHALATE	20 U
39B	206-44-0	FLUORANTHENE	20. U
84B	129-00-0	PYRENE	20. U
67B	85-68-7	BUTYLBENZYLPHTHALATE	20. U
28B	91-94-1	3,3'-DICHLOROBENZIDINE	40. U
72B	56-55-3	BENZO (A) ANTHRACENE	20. U
66B	117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	20 U
76B	218-01-9	CHRYSENE	20. U
69B	117-84-0	DI-N-OCTYLPHTHALATE	20. U
74B	205-99-2	BENZO (B & K) FLUORANTHENE	20. U
73B	50-32-8	BENZO (A) PYRENE	20. U
83B	193-39-5	INDENO-1,2,3 (C,D) PYRENE	20. U
82B	53-70-3	DIBENZO (A,H) ANTHRACENE	20. U
79B	191-24-2	BENZO (G,H,I) PERYLENE	20. U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS.

Sample #: CB883 (Hg)

Laboratory: IT/Carritos
Lab ID: 2319-24
Lab ID for Dil: —
Sample Matrix: Water
Data Release Authorized by: KS, PH

Case #/SAS #: 5215
QC Report #: 6952-247
Contract #: 68-01-6962
Date Rec'd: 11-14-85

Organics Analysis Data Sheet
Pesticide/PCB's

Sample Level: Low
Date Extracted: 11-16-85
Date Analyzed: 12-3-85
Spl->Extract: 1l→10ml; 5ml→5ml
For Dilution: —
pH: Not Analyzed
% Moisture: —
% Moisture (Decanted): —
Lab Std ID: 2319-4,5

ALL RESULTS ARE REPORTED ON WET WEIGHT BASIS.

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

319-84-6	alpha-BHC	0.05u
319-85-7	beta-BHC	
319-86-8	delta-BHC	
58-89-9	gamma-BHC (Lindane)	
76-44-8	Heptachlor	
309-00-2	Aldrin	
1024-57-3	Heptachlor Epoxide	
959-98-8	Endosulfan I	
60-57-1	Dieldrin	0.1u
72-55-9	4,4'-DDE	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4,4'-DDD	
1031-07-8	Endosulfan Sulfate	
50-29-3	4,4'-DDT	
72-43-5	Methoxychlor	0.5u
53494-70-5	Endrin Ketone	0.1u
57-74-9	Chlordane	0.5u
8001-35-2	Toxaphene	1u
12674-11-2	Arochlor-1016	0.5u
11104-28-2	Arochlor-1221	
11141-16-5	Arochlor-1232	
53469-21-9	Arochlor-1242	
12672-29-6	Arochlor-1248	
11097-69-1	Arochlor-1254	1u
11096-82-5	Arochlor-1260	

U - Analyzed for but not detected (Reported Value is Detection Limit-DL)
J - Estimated Value (0 < Value < DL)
C - Confirmed by GC/MS-GC Quantitation
B - Compound found in Blank. Sample results are not Blank Corrected.
** - Detected below GC/MS DL-GC Quantitation
N - Not Confirmed by GC/MS-GC/MS DL
NA - Not Analyzed
NR - Not Reported

V_i = Volume of extract injected (ul)
V_s = Volume of water extracted (ml)
W_s = Weight of sample extracted (g)
V_t = Volume of total extract (ul)

V_s 1000 ml or
W_s — g
V_t 10,000 ul
V_i 5 ul

ORIGINAL (Red)

Surrogate Spike Recoveries — Circle Units: ug/Kg, (ug/L)

Lab ID	Fraction	Compound	Conc. Sample	Conc. Spiked	% Recovery
2319-24	Pest.	Dibutyl Chlorendate	0.50	1.0	50

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

Rev 8/85

ORGANICS ANALYSIS DATA SHEET SAMPLE # CB869

LABORATORY IT/CERR
LABORATORY ID 3503ON3
MATRIX WATER

CASE #/SAS # 5215
QC REPORT # 6962-245
CONTRACT # 68-01-6962
DATE RECEIVED 11/14/85

DATA RELEASE AUTHORIZED BY Elizabeth Martinez

Cockrham Well

VOLATILE COMPOUNDS

LEVEL	LOW
DATE EXT/PREP	11/20/85
DATE ANALYZED	11/20/85
SPL--: EXTRACT	5ML
PH	Not Analyzed
% MOISTURE (NOT DEC.)	
% MOISTURE (DEC)	
STANDARD ID	VOA533
SENSITIVITY ID.	BFD479
UNITS	UG/L

PP #	CAS #		CONC
45V	74-87-3	CHLOROMETHANE	10. U
46V	74-83-9	BROMOMETHANE	10. U
38V	75-01-4	VINYL CHLORIDE	10. U
16V	75-00-3	CHLOROETHANE	10. U
44V	75-09-2	METHYLENE CHLORIDE	24 B
13H	67-64-1	ACETONE	10 U
15H	75-15-0	CARBON DISULFIDE	5 U
29V	75-35-4	1,1-DICHLOROETHENE	5 U
13V	75-34-3	1,1-DICHLOROETHANE	5 U
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	5 U
23V	67-66-3	CHLOROFORM	5 U
10V	107-06-2	1,2-DICHLOROETHANE	5 U
14H	78-93-3	2-BUTANONE	10. U
11V	71-55-6	1,1,1-TRICHLOROETHANE	5 U
6V	56-23-5	CARBON TETRACHLORIDE	5 U
19H	108-05-4	VINYL ACETATE	10 U
48V	75-27-4	BROMODICHLOROMETHANE	5 U
32V	78-87-5	1,2-DICHLOROPROPANE	5 U
33VT	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5 U
87V	79-01-6	TRICHLOROETHENE	5 U
51V	124-48-1	CHLORODIBROMOMETHANE	5 U
14V	79-00-5	1,1,2-TRICHLOROETHANE	5 U
4V	71-43-2	BENZENE	5. U
33VC	10061-01-5	CIS-1,3-DICHLOROPROPENE	5 U
19V	110-75-8	2-CHLOROETHYLVINYL ETHER	10 U
47V	75-25-2	BROMOFORM	5 U
16H	519-78-6	2-HEXANONE	10 U
17H	108-10-1	4-METHYL-2-PENTANONE	10 U
85V	127-18-4	TETRACHLOROETHENE	5 U
15V	79-34-5	1,1,2,2-TETRACHLOROETHANE	5 U
86V	108-88-3	TOLUENE	5 U
7V	108-90-7	CHLOROBENZENE	5 U
83V	100-41-4	ETHYLBENZENE	5 U
12H	100-42-5	STYRENE	5 U
20H	75-47-6	TOTAL XYLENES	5 U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS

AR100425

ORIGINAL (RED)

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB869

[redacted]ORATORY	IT/CERR	CASE #/SAS #	5215
[redacted]RATORY ID.	35030F5	QC REPORT #:	6962-245
MATRIX.	WATER	CONTRACT #:	68-01-6962
		DATE RECEIVED	11/14/85

DATA RELEASE AUTHORIZED BY Elizabeth A Martinez

SEMIVOLATILE COMPOUNDS (PAGE 1)

LEVEL	LOW	GPC	Y_ N✓
DATE EXT/PREP	11/16/85	SEP. FUNNEL	Y_ N✓
DATE ANALYZED.	12/11/85	CONT. EXT.	Y✓ N_
SPL-->EXTRACT.	1L 2ML		
PH	Not analyzed		
% MOISTURE (NOT DEC):			
% MOISTURE (DEC).			
STANDARD ID.	BNAZ450		
SENSITIVITY ID:	SENS853		
UNITS	UG/L		

PP #	CAS #		CONC
65A	108-95-2	PHENOL	20. U
18B	111-44-4	BIS (2-CHLOROETHYL) ETHER	20 U
24A	95-57-8	2-CHLOROPHENOL	20. U
26B	541-73-1	1,3-DICHLOROBENZENE	20. U
[redacted]	106-46-7	1,4-DICHLOROBENZENE	20. U
[redacted]	100-51-6	BENZYL ALCOHOL	20. U
25B	95-50-1	1,2-DICHLOROBENZENE	20. U
2H	95-48-7	2-METHYLPHENOL	20. U
42B	39638-32-9	BIS (2-CHLOROISOPROPYL) ETHER	20 U
3H	106-44-5	4-METHYLPHENOL	20 U
63B	621-64-7	N-NITROSO-DI-N-PROPLYAMINE	20. U
12B	67-72-1	HEXACHLOROETHANE	20. U
56B	98-95-3	NITROBENZENE	20. U
54B	78-59-1	ISOPHORONE	20. U
57A	88-75-5	2-NITROPHENOL	20. U
34A	105-67-9	2,4-DIMETHYLPHENOL	20 U
1H	65-85-0	BENZOIC ACID	100 U
43B	111-91-1	BIS (2-CHLOROETHOXY) METHANE	20 U
31A	120-33-2	2,4-DICHLOROPHENOL	20. U
8B	120-82-1	1,2,4-TRICHLOROBENZENE	20. U
55B	91-20-3	NAPHTHALENE	20. U
7H	106-47-8	4-CHLOROANILINE	20. U
52B	87-68-3	HEXACHLOROBUTADIENE	20. U
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	20. U
9H	91-57-6	2-METHYLNAPHTHALENE	20 U
53B	77-47-4	HEXACHLOROCYCLOPENTADIENE	20. U
21A	88-06-2	2,4,6-TRICHLOROPHENOL	20. U
4H	95-95-4	2,4,5-TRICHLOROPHENOL	100. U
20B	91-58-7	2-CHLORONAPHTHALENE	20. U
[redacted]H	88-74-4	2-NITROANILINE	100. U
[redacted]	131-11-3	DIMETHYLPHTHALATE	20. U
[redacted]B	208-96-8	ACENAPHTHALENE	20 U
11H	99-09-2	3-NITROANILINE	100. U
1B	83-32-9	ACENAPHTHENE	20. U
59A	51-28-5	2,4-DINITROPHENOL	100 U

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB869

LABORATORY: IT/CERR
LABORATORY ID: 35030F5
MATRIX: WATER

CASE #/SAS #: 5215
QC REPORT #: 6962-245
CONTRACT #: 68-01-6962
DATE RECEIVED: 11/14/85

DATA RELEASE AUTHORIZED BY: Elizabeth Martinez

SEMIVOLATILE COMPOUNDS (PAGE 2)

LEVEL	LOW	GPC	Y_ N✓
DATE EXT/PREP	11/16/85	SEP. FUNNEL	Y_ N✓
DATE ANALYZED	12/11/85	CONT EXT.	Y✓ N_
SPL-->EXTRACT	1L: 2ML		
PH:	Not Analyzed		
% MOISTURE (NOT DEC.):			
% MOISTURE (DEC.):			
STANDARD ID.	BNAZ450		
SENSITIVITY ID	SENS853		
UNITS.	UG/L		

PP #	CAS #		CONC
58A	100-02-7	4-NITROPHENOL	100. U
8H	132-64-9	DIBENZOFURAN	20. U
35B	121-14-2	2,4-DINITROTOLUENE	20. U
36B	606-20-2	2,6-DINITROTOLUENE	20. U
70B	84-66-2	DIETHYLPHTHALATE	20. U
40B	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	20. U
80B	86-73-7	FLUORENE	20. U
12H	100-01-6	4-NITROANILINE	100. U
60A	534-52-1	4,6-DINITRO-O-CRESOL	100. U
62B	86-30-6	N-NITROSODIPHENYLAMINE	20. U
41B	101-55-3	4-BROMOPHENOXYBENZENE	20. U
9B	118-74-1	HEXACHLOROBENZENE	20 U
64A	87-86-5	PENTACHLOROPHENOL	100. U
81B	85-01-8	PHENANTHRENE	20. U
78B	120-12-7	ANTHRACENE	20 U
68B	84-74-2	DI-N-BUTYLPHTHALATE	20. U
39B	206-44-0	FLUORANTHENE	20. U
84B	129-00-0	PYRENE	20. U
67B	85-68-7	BUTYLBENZYLPHTHALATE	20. U
28B	91-94-1	3,3'-DICHLOROBENZIDINE	40 U
72B	56-55-3	BENZO (A) ANTHRACENE	20. U
66B	117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	20 U
76B	218-01-9	CHRYSENE	20. U
69B	117-84-0	DI-N-OCTYLPHTHALATE	20. U
74B	205-99-2	BENZO (B & K) FLUORANTHENE	20. U
73B	50-32-8	BENZO (A) PYRENE	20. U
83B	193-39-5	INDENO-1,2,3 (C,D) PYRENE	20. U
82B	53-70-3	DIBENZO (A,H) ANTHRACENE	20 U
79B	191-24-2	BENZO (G,H,I) PERYLENE	20. U

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS

Sample #: CR869

Laboratory: IT/Cerritos
Lab ID: 319-34
Lab ID for Dil:
Sample Matrix: Water
Data Release Authorized by: TAR/TAR

Case #/SAS #: 5215
QC Report #: 6962-245
Contract #: 68-01-6962
Date Rec'd: 11-14-85

Organics Analysis Data Sheet
Pesticide/PCB's

Sample Level: Low
Date Extracted: 11-15-85
Date Analyzed: 11-27-85
Spl->Extract: 1l → 10ml, 5ml → 5ml
For Dilution:
pH: Not Analyzed
% Moisture:
% Moisture (Decanted):
Lab Std ID: 319-45

ALL RESULTS ARE REPORTED ON WET WEIGHT BASIS.

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

319-84-6	alpha-BHC	0.05U
319-85-7	beta-BHC	
319-86-8	delta-BHC	
58-89-9	gamma-BHC (Lindane)	
76-44-8	Heptachlor	
309-00-2	Aldrin	
1024-57-3	Heptachlor Epoxide	
959-98-8	Endosulfan I	V
60-57-1	Dieldrin	0.1U
72-55-9	4,4'-DDE	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4,4'-DDD	
1031-07-8	Endosulfan Sulfate	
50-29-3	4,4'-DDT	V
72-43-5	Methoxychlor	0.5U
53494-70-5	Endrin Ketone	0.1U
57-74-9	Chlordane	0.5U
8001-35-2	Toxaphene	1U
12674-11-2	Arochlor-1016	0.5U
11104-28-2	Arochlor-1221	
11141-16-5	Arochlor-1232	
53469-21-9	Arochlor-1242	
12672-29-6	Arochlor-1248	V
11097-69-1	Arochlor-1254	1U
11096-82-5	Arochlor-1260	V

U - Analyzed for but not detected (Reported Value is Detection Limit-DL)
J - Estimated Value (0 < Value < DL)
C - Confirmed by GC/MS-GC Quantitation
B - Compound found in Blank. Sample results are not Blank Corrected.
** - Detected below GC/MS DL-GC Quantitation
N - Not Confirmed by GC/MS-GC/MS DL
NA - Not Analyzed
NR - Not Reported

V_i = Volume of extract injected (ul)
V_s = Volume of water extracted (ml)
W_s = Weight of sample extracted (g)
V_t = Volume of total extract (ul)

V_s 1000 ml or
W_s ____ g
V_t 10,000 ul
V_i 1 ul

Surrogate Spike Recoveries

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

Lab ID	Fraction	Compound	Conc. Sample	Conc. Spiked	% Recovery
319-34	Pest.	Dibutyl Chlorendate	0.44	10	44

* - Asterisked Values are outside QC Limits. NS - Not Spiked
# - _____ Recoveries due to Dilution.
s - _____ Recoveries due to Matrix Effects.

Rev 8/85

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CB898

ABORATORY	IT/CERR	CASE #/SAS #:	5315
ABORATORY ID	35031N12	QC REPORT #:	6962-245
) RIX	WATER	CONTRACT #	68-01-6962
		DATE RECEIVED	11/14/85

ATA RELEASE AUTHORIZED BY:

VOLATILE COMPOUNDS

Blank

LEVEL	LOW
DATE EXT/PREP.	11/21/85
DATE ANALYZED	11/21/85
SPL--:EXTRACT:	1ML: 5ML
PH	Not Analyzed
% MOISTURE (NOT DEC.)	
% MOISTURE (DEC)	
STANDARD ID	VOA535
SENSITIVITY ID	BFD481
UNITS.	UG/L

F #	CAS #		CONC	
=====	=====		====	
' V	74-87-3	CHLOROMETHANE	50.	U
' V	74-83-9	BROMOMETHANE	50.	U
8V	75-01-4	VINYL CHLORIDE	50.	U
.'V	75-00-3	CHLOROETHANE	50.	U
4 V	75-09-2	METHYLENE CHLORIDE	930.	B
3H	67-64-1	ACETONE	50.	U
5H	75-15-0	CARBON DISULFIDE	30.	U
2 V	75-35-4	1,1-DICHLOROETHENE	30.	U
1 V	75-34-3	1,1-DICHLOROETHANE	30	U
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	30.	U
2 V	67-66-3	CHLOROFORM	30.	U
V	107-06-2	1,2-DICHLOROETHANE	30.	U
14H	78-93-3	2-BUTANONE	50.	U
1'V	71-55-6	1,1,1-TRICHLOROETHANE	30.	U
V	56-23-5	CARBON TETRACHLORIDE	30.	U
7H	108-05-4	VINYL ACETATE	50	U
48V	75-27-4	BROMODICHLOROMETHANE	30.	U
V	78-87-5	1,2-DICHLOROPROPANE	30.	U
_VT	10061-02-6	TRANS-1,3-DICHLOROPROPENE	30.	U
37V	79-01-6	TRICHLOROETHENE	30.	U
V	124-48-1	CHLORODIBROMOMETHANE	30.	U
V	79-00-5	1,1,2-TRICHLOROETHANE	30	U
4V	71-43-2	BENZENE	30.	U
VC	10061-01-5	CIS-1,3-DICHLOROPROPENE	30.	U
V	110-75-8	2-CHLOROETHYLVINYL ETHER	50	U
7V	75-25-2	BROMOFORM	30	U
6H	519-78-6	2-HEXANONE	50	U
H	108-10-1	4-METHYL-2-PENTANONE	50	U
3V	127-18-4	TETRACHLOROETHENE	30.	U
5V	79-34-5	1,1,2,2-TETRACHLOROETHANE	30.	U
3V	108-88-3	TOLUENE	30.	U
V	108-90-7	CHLOROBENZENE	30	U
8V	100-41-4	ETHYLBENZENE	30.	U
3H	100-42-5	STYRENE	30.	U
DH	95-47-6	TOTAL XYLENES	30.	U

AR100429

ALL RESULTS ARE REPORTED ON A WET WEIGHT BASIS