U.S. EPA - CLP

3
BLANKS

Lab Name: JTC ENVIRONMENTAL CNSLTS. Contract: 68-W8-0023

Lab Code: JTC Case No.: 9998 SAS No.: SDG No.: MCW911

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/Kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead	.9	U	.9	U	.9	U	2.5	B			F
Magnesium											NR
Manganese											NR
Mercury											NR
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Cyanide	10.0	U	10.0	U	10.0	U					AS

U.S. EPA - CLP

3
BLANKS

ORIGINAL (Red)

Lab Name: JTC ENVIRONMENTAL CNSLTS. Contract: 68-W8-0023

Lab Code: JTC Case No.: 9998 SAS No.: SDG No.: MCW911

Preparation Blank Matrix (soil/water):

Preparation Blank Concentration Units (ug/L or mg/kg):

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead			2.0	B							F
Magnesium											NR
Manganese											NR
Mercury											NR
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Cyanide											AS

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MCW912S

Lab Name: JTC ENVIRONMENTAL CNSLTS. Contract: 68-W8-002

Lab Code: JTC Case No.: 9998 SAS No.: SDG No.: MCW911

Matrix (soil/water): WATER Level (low/med): LOW

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	1702.2000		169.0000	U	2000.0	85.1		P
Antimony	75-125	563.2000		58.0000	U	500.0	112.6		P
Arsenic	75-125	38.0000		3.9000	U	40.0	95.0		F
Barium	75-125	1756.2000		14.4000	B	2000.0	87.1		P
Beryllium	75-125	43.4000		.8000	U	50.0	86.8		P
Cadmium	75-125	39.9000		3.7000	U	50.0	79.6		F
Calcium		93674.5000		99074.3000					NR
Chromium	75-125	198.8000		6.9000	U	200.0	99.4		P
Cobalt	75-125	482.2000		7.2000	U	500.0	95.4		P
Copper	75-125	254.8000		22.0000	U	250.0	101.9		P
Iron	75-125	1025.4000		131.9000		1000.0	89.5		P
Lead	75-125	17.1000		1.2000	B	20.0	79.5		F
Magnesium		13774.5000		14604.0000					NR
Manganese	75-125	480.5000		20.4000		500.0	92.0		F
Mercury	75-125	.8450		.2000	U	1.0	84.5		CV
Nickel	75-125	478.1000		16.0000	U	500.0	95.6		P
Potassium		3011.7800		3677.0900					NR
Selenium	75-125	11.3000		3.1000	U	10.0	113.0		F
Silver	75-125	29.0000		8.2000	U	50.0	58.0	N	P
Sodium		10037.9000		8691.3990					NR
Thallium	75-125	53.6000		2.3000	U	50.0	107.2		F
Vanadium	75-125	509.2000		14.0000	U	500.0	101.8		P
Zinc	75-125	473.8000		12.0000	U	500.0	94.8		P
Cyanide	75-125	86.8100		10.0000	U	100.0	85.6	N	AS

Comments:

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MCW8175

Lab Name: JTC ENVIRONMENTAL CNSLTS. Contract: 68-W8-0021

Lab Code: JTC Case No.: 9998 SAS No.: SDG No.: MCW911

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum		10541.7600		13250.9800					NR
Antimony	75-125	29.6769		15.1996	U	130.5	30.4	N	P
Arsenic	75-125	14.7612	dup=5.9	7.5761		10.4	68.8	N	P *
Barium	75-125	407.4654	d=14	107.5437		522.1	57.5	N	P
Beryllium	75-125	9.4759		1.2007	B	13.1	63.4	N	P ✓
Cadmium	75-125	14.1477		6.0037		13.1	62.4	N	P ✓
Calcium		33799.7100		36203.3000					NR
Chromium	75-125	126.7032		103.0018		52.2	45.4	N	P *
Cobalt	75-125	86.1133		1.8794	U	130.5	66.0	N	P
Copper	75-125	153.1274		125.5296		65.3	40.8	N	P *
Iron		23781.7300		25193.9800					NR
Lead		580.9189		600.3654		5.2	*****		P *
Magnesium		10127.3800		14552.6700					NR
Manganese		5103.4190		7599.5560		130.5	*****		P *
Mercury	75-125	.5064		.1305	U	.7	77.6		CV
Nickel	75-125	107.2566		20.5168		130.5	66.5	N	P ✓
Potassium		1430.8220		1723.9540					NR
Selenium	75-125	3.5500		1.3404		2.6	84.7		P
Silver	75-125	7.1522		2.1404	U	13.1	54.3	N	P ✓
Sodium		12819.6300		14472.8300					NR
Thallium	75-125	13.7170		.6004	U	13.1	105.1		P
Vanadium	75-125	106.4213		19.3944		130.5	66.7	N	P ✓
Zinc		11217.2500		11226.0000		130.5	-6.7		P *
Cyanide	75-125	16.989 ~~14.2222~~		2.18 ~~2.6183~~	U	21.8 ~~21.8~~	~~48.0~~	N	AS
		AGO		AGO		AGO	55.0		

Comments:

* due to sample inhomogeneity, or SR>>SA (Pb, Mn, Zn)

U.S. EPA - CLP

5B
POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MCW912A

Lab Name: JTC ENVIRONMENTAL CNSLTS. Contract: 68-W8-002

Lab Code: JTC Case No.: 9998 SAS No.: SDG No.: MCW911

Matrix (soil/water): WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide		16.0000		10.0000	U	20.0	80.0		AS

Comments:

U.S. EPA - CLP

5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MCW817A

Lab Name: JTC ENVIRONMENTAL CNSLTS. Contract: 68-W8-002

Lab Code: JTC Case No.: 9998 SAS No.: SDG No.: MCW911

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									
Antimony		152.1000		58.0000	U	120.0	~~[illegible]~~ 127		P
Arsenic									
Barium		1238.6000		412.0000		1000.0	82.2		P
Beryllium		14.8000		4.6000	B	10.0	97.0		P
Cadmium		54.2 ~~22.8000~~		23.0000		40.0	~~[illegible]~~ 78		P
Calcium									
Chromium		1387.7000		394.6000		1000.0	94.3		P
Cobalt		110.2000		7.2000	U	100.0	110.2		P
Copper		1587.1000		480.9000		1000.0	105.5		P
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel		258.8000		78.5000		200.0	90.1		P
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium		262.8000		74.3000		200.0	94.3		P
Zinc									
Cyanide		18.5220		10.0000	U	20.0	92.5		AS

Comments:

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO.

MCW912D

Lab Name: JTC ENVIRONMENTAL CNSLTS. Contract: 68-W8-002

Lab Code: JTC Case No.: 9998 SAS No.: SDG No.: MCW911

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: .0 % Solids for Duplicate: .0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

Analite	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		169.0000	U	169.0000	U			P
Antimony		58.0000	U	58.0000	U			P
Arsenic		3.9000	U	3.9000	U			F
Barium	200.0	14.4000	B	19.4000	B	29.6		P
Beryllium		.8000	U	.8000	U			P
Cadmium		3.7000	U	3.7000	U			P
Calcium		99074.3000		101282.0000		2.2		P
Chromium		6.9000	U	6.9000	U			P
Cobalt		7.2000	U	7.2000	U			P
Copper		22.0000	U	22.0000	U			P
Iron	100.0	131.9000		150.3000		13.0		P
Lead	5.0	1.2000	B	2.0500	B	52.3		F
Magnesium	5000.0	14604.0000		14787.1000		1.2		P
Manganese	15.0	20.4000		22.5800		9.9		P
Mercury		.2000	U	.2000	U			CV
Nickel		16.0000	U	16.0000	U			P
Potassium	5000.0	3677.0900	B	3544.0800	B	3.7		A
Selenium		3.1000	U	3.1000	U			F
Silver		8.2000	U	8.2000	U			P
Sodium	5000.0	8691.3990		12415.4000		35.3		P
Thallium		2.3000	U	2.3000	U			F
Vanadium		14.0000	U	14.0000	U			P
Zinc		12.0000	U	12.0000	U			P
Cyanide		10.0000	U	10.0000	U			AS

near IDL

near IDL also

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO.

ORIGINAL (Red)

MCW917D

Lab Name: JTC ENVIRONMENTAL CNSLTS. Contract: 68-W8-002

Lab Code: JTC Case No.: 9998 SAS No.: SDG No.: MCW911

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 76.6 % Solids for Duplicate: 76.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analite	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M	
Aluminum		18250.9800		11162.9500		17.1		P	
Antimony	15.7	15.1995	U	18.1154		200.0	*	P	near RD
Arsenic	2.6	7.5761		5.9189		24.6		P	
Barium	52.2	107.5437		73.9222		37.1		P	
Beryllium	1.3	1.2007	B	1.0969	B	9.1		P	
Cadmium	1.3	6.0037		8.3342		33.1	*	P	
Calcium		36208.3000		18321.4300		65.6	*	P	
Chromium		103.0018		100.3654		2.6		P	
Cobalt	13.1	1.8794	U	2.8870	B	200.0		P	near RD
Copper		125.5286		128.1650		2.1		P	
Iron		25192.9800		30422.9700		19.2		P	
Lead		600.3654		745.2362		21.5	*	P	
Magnesium		14552.6700		8256.6430		55.2	*	P	
Manganese		7599.5560		5470.2160		32.6	*	P	
Mercury		.1305	U	.1305	U			CV	
Nickel	10.4	20.5168		25.4242		21.4		P	
Potassium	1305.1	1723.9540		1723.9540		.0		A	
Selenium	1.3	1.3404		.8575	B	43.9		P	
Silver		2.1404	U	2.1404	U			P	
Sodium		14472.8800		15254.4000		5.3		P	
Thallium		.6004	U	.6004	U			P	
Vanadium	13.1	19.3944		19.8543		2.4		P	
Zinc		11226.0000		11200.9100		.2		P	
Cyanide		2.180 ~~2.6103~~ AGW	U	2.180 ~~2.6103~~ AGW	U			AS	

U.S. EPA - CLP

3

STANDARD ADDITION RESULTS

ORIGINAL (Red)

Lab Name: JTC Environmental Consultants Contract: 68W80023

Lab Code: JTC Case No.: 9998 SAS No.: SDG No.: MCW911

Concentration Units: ug/L

EPA Sample No.	Am	Dil	0 ADD ABS	1 ADD CON	1 ADD ABS	2 ADD CON	2 ADD ABS	3 ADD CON	3 ADD ABS	Final Conc.	r	O
MCW917	AS	1	22.800	10	29.600	20	39.000	30	50.200	23.5	0.9942	+
MCW917	AS	1	33.700	10	32.000	20	40.500	30	48.200	29.0	0.9999	
MCW917D	AS	1	20.800	10	30.100	20	40.600	30	48.200	22.7	0.9982	
MCW918	AS	1	23.600	10	32.400	20	42.000	30	50.200	25.4	0.9996	
MCW921	AS	1	17.600	10	24.700	20	34.600	30	43.900	19.0	0.9977	
MCW911	PB	1	16.600	10	27.100	20	37.900	30	48.900	15.3	0.9999	
MCW916	SE	1	2.700	10	9.700	20	18.100	30	25.600	3.2	0.9995	
MCW917	SE	1	3.300	10	12.100	20	19.300	30	25.900	5.1	0.9979	
MCW917D	SE	1	2.700	10	10.100	20	17.500	30	25.800	3.3	0.9996	
MCW919	SE	1	4.100	10	10.900	20	19.100	30	25.500	5.6	0.9989	
MCW919	SE	1	3.900	10	10.800	20	17.600	30	26.000	4.9	0.9997	
MCW920	SE	1	3.000	10	12.100	20	17.300	30	26.300	4.9	0.9943	+
MCW920	SE	1	2.900	10	11.500	20	19.000	30	27.300	3.3	0.9997	
MCW921	SE	1	2.300	10	11.500	20	19.900	30	26.000	3.8	0.9960	

U.S. EPA - CLP

9

ICP SERIAL DILUTIONS

EPA SAMPLE NO.

MCW911

Lab Name: JTC ENVIRONMENTAL CNSLTS. Contract: 68-W8-002

Lab Code: JTC Case No.: 9998 SAS No.: SDG No.: MCW911

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	50764.50		845.00	U	98.3	E	P
Antimony	58.00	U	290.00	U			NR
Arsenic							F
Barium	412.00		31.00	B	92.5		P
Beryllium	4.60	B	5.50		19.6		NR
Cadmium	23.00		18.50	U	19.6		NR
Calcium	128714.00		107085.50		22.8	E	P
Chromium	384.60		34 ~~10.50~~	U	97.3	E	P
Cobalt	7.20	U	36.00	U			NR
Copper	480.90		110.00	U	~~77.1~~		P
Iron	96476.00		376.50		99.6	E	P
Lead							F
Magnesium	55751.30		15521.00		72.2	E	P
Manganese	29113.90		114.50		99.6	E	P
Mercury							CV
Nickel	78.60		90 ~~50.50~~	U	35.8		NR
Potassium							A
Selenium							F
Silver	8.20	U	41 ~~2.00~~	U			NR
Sodium	55445.40		17962.50		67.6		P
Thallium							F
Vanadium	74.20		70.00	U	5.8		NR
Zinc	48005.90		60.00	U	99.9	E	P

Little or no agreement for Al, Ba, ~~As~~, Cr, Fe, Mg, Mn, Ag, Na, Zn

(S) no better match with any other solid sampled. switched w/ 912

FORM IX - IN 7/87

see corrected form

U.S. EPA - CLP

9

ICP SERIAL DILUTIONS

EPA SAMPLE NO.

MCW912L

Lab Name: JTC ENVIRONMENTAL CNSLTS. Contract: 68-W8-002

Lab Code: JTC Case No.: 9998 SAS No.: SDG No.: MCW911

Matrix (soil/water): WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	169.00	U	51373.50 ✓				NR
Antimony	58.00	U	290.00	U			NR
Arsenic							P
Barium	14.40	B	433.00 ✓		*****		NR
Beryllium	.80	U	11.00 ✓				NR
Cadmium	3.70	U	29.00 ✓				NR
Calcium	99074.30		145155.00		46.5	E	P
Chromium	6.90	U	404.50				NR
Cobalt	7.20	U	36.00	U			NR
Copper	22.00	U	516.50				NR
Iron	131.90		101100.00		*****		NR
Lead							P
Magnesium	14604.00		57003.00		290.3		P
Manganese	20.40		30423.50		*****		NR
Mercury							CV
Nickel	15.00	U	183.00				NR
Potassium							A
Selenium							P
Silver	3.20	U	37.00	U			NR
Sodium	8691.40		38108.00		338.5		NR
Thallium							P
Vanadium	14.00	U	88.00				NR
Zinc	12.00	U	74498.50				NR

(S) switched w/ 917

U.S. EPA - CLP

9

ICP SERIAL DILUTIONS

EPA SAMPLE NO.

MCW912L

Lab Name: JTC Envir Consult Contract: 68W8002

Lab Code: JTC Case No.: 9998 SAS No.: _____ SDG No.: MCW911

Matrix (soil/water): water Level (low/med): low

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M	
Aluminum	169	U	845	U	—			
Antimony	58	U	290	U	—			
Arsenic								
Barium	14.4	B	55	U	—			
Beryllium	0.8	U	5.5 "B"		—			ok
Cadmium	3.7	U	18.5	U	—			
Calcium	99074		107086		7.8			
Chromium	6.9	U	34.5	U	—			
Cobalt	7.2	U	36	U	—			
Copper	22	U	110	U	—			
Iron	132 "B"		"B" 377					ok
Lead								
Magnesium	14604		15521		6.0			
Manganese	20.4		115		140			✓
Mercury								
Nickel	16	U	90.	U	—			
Potassium								
Selenium								
Silver	8.2	U	72 *		260			✓
Sodium	8691		17963 *1		59.			ok diff/S<LDL
Thallium								
Vanadium	14	U	70	U	—			
Zinc	12	U	60	U	—			

* Ag serial diluted result based on 5 x avg of two results exhibiting a significant coefficient of variation (65%), and a 92% RPD (21 ug/l + 8.2 U ug/l). Result is considered unreliable

*1 (similar for NA.) - near IDL

U.S. EPA - CLP

9

ICP SERIAL DILUTIONS

EPA SAMPLE NO.: MCW917L

Lab Name: JTC Env. Cons. Contract: 68-W8-002

Lab Code: JTC Case No.: 9998 SAS No.: – SDG No.: MCW911

Matrix (soil/water): SOIL Level (low/med): Low

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M	
Aluminum	50764		51374		1.2			
Antimony	58	U	290	U	–			
Arsenic								
Barium	412		433		5.0			
Beryllium	4.6	B	11. "B"		82			ok due to Bl
Cadmium	23		29		23			ok
Calcium	138714		145,155		5.0			
Chromium	395		405		2.5			
Cobalt	7.2	U	36	U	–			
Copper	481		517		7.2			
Iron	96476		101,100		4.6			
Lead								
Magnesium	55751		57003		2.3			
Manganese	29114		30423		4.0			
Mercury								
Nickel	78.6 "B"		183 "B"		79			not due to Bl.
Potassium								
Selenium								
Silver	8.2	U	31	U				
Sodium	55445		38108		37			✓
Thallium								
Vanadium	74.3		88		17.			ok
Zinc	43007		74500		53			✓

1050

ORIGINAL (Red)

Sample 30 Replicate 1

SBEPA	-0.0685	ppm	
ZNEPA	-0.0293	ppm	
CDEPA	-0.0026	ppm	Peak Offset
PBEPA	0.026	ppm	
COEPA	-0.0013	ppm	Peak Offset
NIEPA	0.0243	ppm	
BAEPA	0.0084	ppm	
MNEPA	0.0281	ppm	
FEEPA	0.090	ppm	
CREPA	0.0058	ppm	
FEEPA500	-0.438	ppm	Peak Offset
MGEPA	3.117	ppm	
VEPA	0.0040	ppm	
ALEPA	-0.070	ppm	
BEEPA	0.0017	ppm	
CAEPA	21.47	ppm	
CUEPA	-0.0110	ppm	Peak Offset
AGEPA	0.0078	ppm	< IDL Peak Offset
NAEPA	4.94	ppm	< 2x IDL = (2902)

Sample 30 Replicate 2

SBEPA	-0.0232	ppm	
ZNEPA	-0.0568	ppm	
CDEPA	-0.0045	ppm	Peak Offset
PBEPA	0.006	ppm	
COEPA	-0.0094	ppm	Peak Offset
NIEPA	-0.0040	ppm	Peak Offset
BAEPA	0.0042	ppm	
MNEPA	0.0179	ppm	
FEEPA	0.061	ppm	
CREPA	-0.0016	ppm	
FEEPA500	0.021	ppm	
MGEPA	3.092	ppm	
VEPA	-0.0038	ppm	Peak Offset
ALEPA	-0.020	ppm	
BEEPA	0.0006	ppm	
CAEPA	21.36	ppm	
CUEPA	-0.0071	ppm	
AGEPA	0.0211	ppm	
NAEPA	2.24	ppm	

MCW 9/22 (1/5)

SBEPA	AV	-0.0458	ppm	SD	.03199	CV 69.8
ZNEPA	AV	-0.0431	ppm	SD	.01944	CV 45.1
CDEPA	AV	-0.0036	ppm	SD	.00135	CV 38.2
PBEPA	AV	0.016	ppm	SD	0.0140	CV 89.2
COEPA	AV	-0.0054	ppm	SD	.00576	CV 107.7
NIEPA	AV	0.0100	ppm	SD	.02001	CV 197.7
BAEPA	AV	0.0063	ppm	SD	.00299	CV 47.4
MNEPA	AV	0.0230	ppm	SD	.00720	CV 31.3
FEEPA	AV	0.075	ppm	SD	0.0203	CV 27.0
CREPA	AV	0.0020	ppm	SD	.00522	CV 244.4
FEEPA500	AV	-0.208	ppm	SD	0.3239	CV 155.3
MGEPA	AV	3.104	ppm	SD	0.0180	CV 0.5
VEPA	AV	0.0000	ppm	SD	.00548	CV> 999
ALEPA	AV	-0.045	ppm	SD	0.0358	CV 79.5
BEEPA	AV	0.0011	ppm	SD	.00081	CV 72.0
CAEPA	AV	21.42	ppm	SD	0.077	CV 0.3
CUEPA	AV	-0.0090	ppm	SD	.00278	CV 30.8
AGEPA	AV	0.0144	ppm	SD	.00942	CV 65.3
NAEPA	AV	3.59	ppm	SD	1.905	CV 53.0

RPD = 65.3 x √2 = 92%

unreliable

10 ✓5

Original (Red)

Sample 29 Replicate 1

SBEPA	-0.0093 ppm	
ZNEPA	% 1.49942726409912e+001 ppm	Over Calib.
CDEPA	0.0060 ppm	
PBEPA	0.400 ppm	
COEPA	-0.0031 ppm	Peak Offset
NIEPA	0.0334 ppm	
BAEPA	0.0910 ppm	
MNEPA	6.1150 ppm	Over Calib.
FEEPA	20.533 ppm	
CREPA	0.0752 ppm	
FEEPA500	20.194 ppm	
MGEPA	11.388 ppm	
VEPA	0.0196 ppm	
ALEPA	10.195 ppm	
BEEPA	0.0009 ppm	Peak Offset
CAEPA	28 90 ppm	
CUEPA	0.0942 ppm	
AGEPA	0.0131 ppm	
NAEPA	9.07 ppm	Peak Offset

Sample 29 Replicate 2

SBEPA	-0.0483 ppm	
ZNEPA	% 1.48051342285156e+001 ppm	Over Calib.
CDEPA	0.0057 ppm	
PBEPA	0.396 ppm	
COEPA	-0.0059 ppm	Peak Offset
NIEPA	0.0400 ppm	
BAEPA	0.0823 ppm	
MNEPA	6.0545 ppm	Over Calib.
FEEPA	19.907 ppm	
CREPA	0.0867 ppm	
FEEPA500	19.907 ppm	
MGEPA	11.413 ppm	
VEPA	0.0156 ppm	
ALEPA	10.355 ppm	
BEEPA	0.0035 ppm	
CAEPA	29.17 ppm	
CUEPA	0.1125 ppm	
AGEPA	0.0019 ppm	Peak Offset
NAEPA	6.17 ppm	Peak Offset

SBEPA	AV	-0.0288 ppm	SD	.02758	CV	95.7
ZNEPA	AV	% 1.48997034347534e+001 ppm	SD	.13366	CV	0.8
CDEPA	AV	0.0058 ppm	SD	.00020	CV	3.5
PBEPA	AV	0.398 ppm	SD	0.0027	CV	0.6
COEPA	AV	-0.0045 ppm	SD	.00194	CV	43.3
NIEPA	AV	0.0367 ppm	SD	.00462	CV	12.6
BAEPA	AV	0.0867 ppm	SD	.00611	CV	7.0
MNEPA	AV	6.0848 ppm	SD	.04267	CV	0.7
FEEPA	AV	20.220 ppm	SD	0.4425	CV	2.1
CREPA	AV	0.0810 ppm	SD	.00811	CV	10.0
FEEPA500	AV	20.050 ppm	SD	0.2029	CV	1.0
MGEPA	AV	11.401 ppm	SD	0.0179	CV	0.1
VEPA	AV	0.0176 ppm	SD	.00289	CV	16.4
ALEPA	AV	10.275 ppm	SD	0.1129	CV	1.0
BEEPA	AV	0.0022 ppm	SD	.00184	CV	83.0
CAEPA	AV	29.03 ppm	SD	0.190	CV	0.6
CUEPA	AV	0.1033 ppm	SD	.01290	CV	12.4
AGEPA	AV	0.0075 ppm	SD	.00791	CV	105.5
NAEPA	AV	7.62 ppm	SD	2.054	CV	26.9

(Results sketched on forms)

~~MCW 9/2/L~~ (✓5)

MCW 9/7/L

000076

As

FDL=3.9

Spike Recovery Evaluation Form

Sample ID	Instr. Level Result ug/L	PDS Recovery %	Diluted Result	Diluted PDS Recovery	MSA Result (if needed)	Final Result Reported
911	3.9U	97				3.92U ug/kg
912	3.9U	90				U
913	3.9U	94				U
914	3.9U	87				U
915	3.9U	91				U
916	3.9U	~~107~~ 96				U
917	20.6	82	—	—	29.0	7.6 m/k
918	23.0	78			26.4	7.6 m/k
919	21.1 (x2)	95			—	10 mg/kg
920	29.7	101				7.0 mg/kg
921	17.5	84			19.0	4.7 m/k
Pb 911	13.1	82			15.3	15.3 ug/kg
912	1.2	74				1.2 ug/kg
913	2.2	76				2.2
914	2.0	76				2.0
915	2.35	74				2.3
916	1.35	74				1.4
917	23 (x100)	97				600 m/k P=502
918	22.6 (x100)	98				648 m/k P=613
919	45.2 (x20)	90				215 m/k P=223
920	45.9 x20	87				217 m/k P=235
921	15.6 x50	94				36.2 m/k P=44

MSA

MSA

MSA

MSA

IDL=.9

dup

Se

2

Spike Recovery Evaluation Form

DL: 3.1

	Sample ID	Instr. Level Result ug/L	PDS Recovery	Diluted Result	Diluted PDS Recovery	MSA Result (if needed) ug/L	Final Result Reported
	911	3.1 U	101				3.1 U ug/L
	912	3.1 U	72				3.1 U
	913	3.1 U	98				3.1 U
	914	3.1 U	85				3.1 U
	915	3.1 U	100				3.1 U
MSA	916	3.75	49			3.2	3.2
~~MSA~~	917	3.75	120	rerun (1x) 4.9	52%	5.14	1.3 m/k
MSA	918	4.20	65			5.58	1.6 m/k
MSA	919	3.9	68			4.94	1.2 m/k
MSA	920	4.4	59			4.32	low rerun
MSA	921	4.3	58			3.77	.93 m/k
	920					rerun 3.8	.90 m/k
TL (2.3 dL)	911	2.3 U	114				2.3 U ug/L
	912	2.3 U	101				
	913	2.3 U	108				
	914	2.3 U	103				
	915	2.3 U	110				
	916	2.3 U	113				
	917	2.3 U	106				.61 U m/k
	918	2.3 U	108				.66 U m/k
	919	2.3 U	113				.55 U
	920	2.3 U	114				.54 U
	921	2.3 U	115				.57 U

U.S. EPA - CLP

11

INSTRUMENT DETECTION LIMITS (QUARTERLY)

ORIGINAL (Red)

Lab Name: JTC ENVIRONMENTAL CNSLTS. Contract: 68-W8-0028

Lab Code: JTC Case No.: 9998 SAS No.: SDG No.: MCW911

ICP ID Number: 6000 Date: 08/03/88

Flame AA ID Number: 460

Furnace AA ID Number:

3050

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M	3057
Aluminum	308.22		200	153.0	P	
Antimony	206.83		60	58.0	P	
Arsenic				58	P	3.9
Barium	233.53		200	11.0	P	
Beryllium	313.04		5	0.8	P	
Cadmium	214.00		5	3.7	P	
Calcium	317.93		5000	403.0	P	
Chromium	267.72		10	6.9	P	
Cobalt	228.62		50	7.2	P	
Copper	324.75		25	22.0	P	
Iron	259.94		100	30.0	P	
Iron 275	275.00			1500.0	P	
Lead	220.00			.1		.7
Magnesium	279.08		5000	495.0	P	
Manganese	257.61		15	6.1	P	
Mercury	254.00		0.2	0.14	CV	
Nickel	231.05		40	16.0	P	
Potassium	766.00		5000	873.0	A	
Selenium				4.5	P	3.1
Silver	328.07		10	8.2	P	
Sodium	330.24		5000	2869.0	P	
Thallium				2.3	F	1.7
Vanadium	292.40		50	14.0	P	
Zinc	213.86		20	12.0	P	

Comments:

ORIGINAL (Roll)

APPENDIX B

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CW248 00138

ab Name: IT CERRITOS Contract: 68-01-7469

ab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

atrix: (soil/water) WATER Lab Sample ID: CW248

ample wt/vol: 5.0 (g/mL) ML Lab File ID: 47238EC3

evel: (low/med) LOW Date Received: 07/14/88

Moisture: not dec. ____ Date Analyzed: 07/15/88

olumn: (pack/cap) PACK Dilution Factor: 1.00

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

CAS NO.	COMPOUND		Q
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	3	BJ
67-64-1	Acetone	2	BJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	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	2	J
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	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
100-42-5	Styrene	5	U
1330-20-7	Xylenes (Total)	5	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CW248 00427

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) WATER Lab Sample ID: CW248

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 47238CK3

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. ____ dec. ____ Date Extracted: 07/15/88

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/04/88

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl) Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

00428

CW248

ORIGINAL (Red)

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) WATER Lab Sample ID: CW248

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 47238CK3

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. ____ dec. ____ Date Extracted: 07/15/88

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/04/88

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenyl Ether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenyl Ether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CW248 00978

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: SDG No.: CW247

Matrix: (soil/water) WATER Lab Sample ID: CW248

Sample wt/vol: 1000 (g/ml) ML Lab File ID: PO-200-1017

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. dec. Date Extracted: 07/15/88

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/19/88

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1

CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

CAS NO.	COMPOUND	Q
319-84-6	alpha-BHC	0.05 U
319-85-7	beta-BHC	0.05 U
319-86	delta-BHC	0.05 U
58-89-9	gamma-BHC(Lindane)	0.05 U
76-44-8	Heptachlor	0.05 U
309-00-2	Aldrin	0.05 U
1024-57-3	Heptachlor epoxide	0.05 U
959-98-8	Endosulfan I	0.05 U
60-57-1	Dieldrin	0.10 U
72-55-9	4,4'-DDE	0.10 U
72-20-8	Endrin	0.10 U
33213-65-9	Endosulfan II	0.10 U
72-54-8	4,4'-DDD	0.10 U
1031-07-8	Endosulfan sulfate	0.10 U
50-29-3	4,4'-DDT	0.10 U
72-43-5	Methoxychlor	0.50 U
53494-70-5	Endrin Ketone	0.10 U
5103-71-9	alpha-Chlordane	0.50 U
5103-74-2	gamma-Chlordane	0.50 U
8001-35-2	Toxaphene	1.00 U
12674-11-2	Aroclor-1016	0.50 U
11104-28-2	Aroclor-1221	0.50 U
11141-16-5	Aroclor-1232	0.50 U
53469-21-9	Aroclor-1242	0.50 U
12672-29-6	Aroclor-1248	0.50 U
11097-69-1	Aroclor-1254	1.00 U
11096-82-5	Aroclor-1260	1.00 U

98 8/1/88

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. 44

CW248 00139

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) WATER Lab Sample ID: CW248

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 47238EC3

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. ____ Date Analyzed: 07/15/88

Column (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CW248 00429

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) WATER Lab Sample ID: CW248

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 47238CK3

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. ____ dec. ____ Date Extracted: 07/15/88

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/04/88

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

nber TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CW249 00150

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) WATER Lab Sample ID: CW249

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 47238EC4

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. ____ Date Analyzed: 07/15/88

Column: (pack/cap) PACK Dilution Factor: 1.00

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

CAS NO.	COMPOUND		Q
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	3	BJ
67-64-1	Acetone	3	BJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	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
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	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
100-42-5	Styrene	5	U
1330-20-7	Xylenes (Total)	5	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CW249 00438

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) WATER Lab Sample ID: CW249

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 47238CK4

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. ____ dec. ____ Date Extracted: 07/15/88

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/04/88

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl) Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CW249 00439

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) WATER Lab Sample ID: CW249

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 47238CK4

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. ____ dec. ____ Date Extracted: 07/15/88

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/04/88

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenyl Ether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenyl Ether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CW249 0015

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) WATER Lab Sample ID: CW249

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 47238EC4

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. ____ Date Analyzed: 07/15/88

Column (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CW249 00440

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) WATER Lab Sample ID: CW249

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 47238CK4

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. ____ dec. ____ Date Extracted: 07/15/88

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/04/88

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CW250 00160

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) WATER Lab Sample ID: CW250

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 47238EC5

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. ____ Date Analyzed: 07/15/88

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	BJ
67-64-1	Acetone	2	BJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	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
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	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
100-42-5	Styrene	5	U
1330-20-7	Xylenes (Total)	5	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CW250 00449

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) WATER Lab Sample ID: CW250

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 47238CK5

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. ____ dec. ____ Date Extracted: 07/15/88

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/04/88

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl) Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CW250 00450

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) WATER Lab Sample ID: CW250

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 47238CK5

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. ____ dec. ____ Date Extracted: 07/15/88

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/04/88

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenyl Ether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenyl Ether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CW250 00985

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: SDG No.: CW247

Matrix: (soil/water) WATER Lab Sample ID: CW250

Sample wt/vol: 1000 (g/ml) ML Lab File ID: PO-200-1019

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. dec. Date Extracted: 07/15/88

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/19/88

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1

CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86	delta-BHC	0.05	U
58-89-9	gamma-BHC(Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin Ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.00	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.00	U
11096-82-5	Aroclor-1260	1.00	U

JJ 8/1/88

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. 119

CW250 00161

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) WATER Lab Sample ID: CW250

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 47238EC5

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. ____ Date Analyzed: 07/15/88

Column (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CW250 00451

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) WATER Lab Sample ID: CW250

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 47238CK5

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. ____ dec. ____ Date Extracted: 07/15/88

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/04/88

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CW251 ORIGINAL 00170

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) WATER Lab Sample ID: CW251

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 47238EC6

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. ____ Date Analyzed: 07/15/88

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	3	BJ
67-64-1	Acetone	3	BJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	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
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	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
100-42-5	Styrene	5	U
1330-20-7	Xylenes (Total)	5	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CW251 00460

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) WATER Lab Sample ID: CW251

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 47238CK6

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. ____ dec. ____ Date Extracted: 07/15/88

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/04/88

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl) Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

SN

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

00461

CW251

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) WATER Lab Sample ID: CW251

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 47238CK6

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. ____ dec. ____ Date Extracted: 07/15/88

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/04/88

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenyl Ether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenyl Ether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CW251

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: SDG No.: CW247

Matrix: (soil/water) WATER Lab Sample ID: CW251

Sample wt/vol: 1000 (g/ml) ML Lab File ID: PO-200-1021

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. dec. Date Extracted: 07/15/88

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/19/88

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1

CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86	delta-BHC	0.05	U
58-89-9	gamma-BHC(Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin Ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.00	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.00	U
11096-82-5	Aroclor-1260	1.00	U

8/1/88

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CW251 00171

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) WATER Lab Sample ID: CW251

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 47238EC6

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. ____ Date Analyzed: 07/15/88

Column (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CW251 00462

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) WATER Lab Sample ID: CW251

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 47238CK6

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. ____ dec. ____ Date Extracted: 07/15/88

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/04/88

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CW252 00180

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: SDG No.: CW247

Matrix: (soil/water) WATER Lab Sample ID: CW252

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 47238EC1

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. Date Analyzed: 07/15/88

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	12	B
67-64-1	Acetone	2	BJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	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
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	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
100-42-5	Styrene	5	U
1330-20-7	Xylenes (Total)	5	U

SN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CW252 00471

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) WATER Lab Sample ID: CW252

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 47238CK7

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. ____ dec. ____ Date Extracted: 07/15/88

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/04/88

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl) Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CW252

00472

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) WATER Lab Sample ID: CW252

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 47238CK7

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. ____ dec. ____ Date Extracted: 07/15/88

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/04/88

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenyl Ether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenyl Ether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CW252 00993

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: SDG No.: CW247

Matrix: (soil/water) WATER Lab Sample ID: CW252

Sample wt/vol: 1000 (g/ml) ML Lab File ID: PO-200-1022

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. dec. Date Extracted: 07/15/88

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/19/88

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1

CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86	delta-BHC	0.05	U
58-89-9	gamma-BHC(Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin Ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.00	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.00	U
11096-82-5	Aroclor-1260	1.00	U

99 8/1/88

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CW252 00181

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) WATER Lab Sample ID: CW252

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 47238EC1

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. ____ Date Analyzed: 07/15/88

Column (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

SW

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CW252 00473

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) WATER Lab Sample ID: CW252

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 47238CK7

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. ____ dec. ____ Date Extracted: 07/15/88

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/04/88

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

ber TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CW247 00416

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) WATER Lab Sample ID: CW247

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 47238CK2

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. ____ dec. ____ Date Extracted: 07/15/88

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/04/88

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl) Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CW247 00124

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) WATER Lab Sample ID: CW247

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 47238EC2

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. ____ Date Analyzed: 07/15/88

Column: (pack/cap) PACK Dilution Factor: 1.00

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

CAS NO.	COMPOUND		Q
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	7	B
67-64-1	Acetone	3	BJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	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	10	
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	2	J
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylenes (Total)	5	U

SN

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
00417
CW247

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) WATER Lab Sample ID: CW247

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 47238CK2

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. ____ dec. ____ Date Extracted: 07/15/88

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/04/88

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenyl Ether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenyl Ether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CW247 00975

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: SDG No.: CW247

Matrix: (soil/water) WATER Lab Sample ID: CW247

Sample wt/vol: 1000 (g/ml) ML Lab File ID: PQ-200-1016

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. dec. Date Extracted: 07/15/88

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/19/88

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1

CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86	delta-BHC	0.05	U
58-89-9	gamma-BHC(Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin Ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.00	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.00	U
11096-82-5	Aroclor-1260	1.00	U

DD 8/1/88

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CW247 00125

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) WATER Lab Sample ID: CW247

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 47238EC2

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. ____ Date Analyzed: 07/15/88

Column (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CW247 00418

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) WATER Lab Sample ID: CW247

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 47238CK2

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. ____ dec. ____ Date Extracted: 07/15/88

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/04/88

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CW257 00233

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) WATER Lab Sample ID: CW257

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 47238EC7

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. ____ Date Analyzed: 07/18/88

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	B
67-64-1	Acetone	2	BJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	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
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	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
100-42-5	Styrene	5	U
1330-20-7	Xylenes (Total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

00234

CW257

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) WATER Lab Sample ID: CW257

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 47238EC7

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. ____ Date Analyzed: 07/18/88

Column (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 48

CW253 00190

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) SOIL Lab Sample ID: CW253

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 47238EB8

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. 26 Date Analyzed: 07/15/88

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	14	U
74-83-9	Bromomethane	14	U
75-01-4	Vinyl Chloride	14	U
75-00-3	Chloroethane	14	U
75-09-2	Methylene Chloride	17	B
67-64-1	Acetone	17	B
75-15-0	Carbon Disulfide	7	U
75-35-4	1,1-Dichloroethene	7	U
75-34-3	1,1-Dichloroethane	7	U
540-59-0	1,2-Dichloroethene (total)	7	U
67-66-3	Chloroform	7	U
107-06-2	1,2-Dichloroethane	7	U
78-93-3	2-Butanone	14	U
71-55-6	1,1,1-Trichloroethane	7	U
56-23-5	Carbon Tetrachloride	7	U
108-05-4	Vinyl Acetate	14	U
75-27-4	Bromodichloromethane	7	U
78-87-5	1,2-Dichloropropane	7	U
10061-01-5	cis-1,3-Dichloropropene	7	U
79-01-6	Trichloroethene	7	U
124-48-1	Dibromochloromethane	7	U
79-00-5	1,1,2-Trichloroethane	7	U
71-43-2	Benzene	7	U
10061-02-6	trans-1,3-Dichloropropene	7	U
75-25-2	Bromoform	7	U
108-10-1	4-Methyl-2-Pentanone	14	U
591-78-6	2-Hexanone	14	U
127-18-4	Tetrachloroethene	7	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
108-88-3	Toluene	7	U
108-90-7	Chlorobenzene	7	U
100-41-4	Ethylbenzene	7	U
100-42-5	Styrene	7	U
1330-20-7	Xylenes (Total)	7	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CW253 00432

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) SOIL Lab Sample ID: CW253

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 47238EI8

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. 26 dec. ____ Date Extracted: 07/14/88

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/05/88

GPC Cleanup: (Y/N) N pH: 9.0 Dilution Factor: 5.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	910	J
111-44-4	bis(2-Chloroethyl) Ether	2200	U
95-57-8	2-Chlorophenol	2200	U
541-73-1	1,3-Dichlorobenzene	2200	U
106-46-7	1,4-Dichlorobenzene	2200	U
100-51-6	Benzyl Alcohol	2200	U
95-50-1	1,2-Dichlorobenzene	2200	U
95-48-7	2-Methylphenol	2200	U
108-60-1	bis(2-Chloroisopropyl) Ether	2200	U
106-44-5	4-Methylphenol	2200	U
621-64-7	N-Nitroso-di-n-propylamine	2200	U
67-72-1	Hexachloroethane	2200	U
98-95-3	Nitrobenzene	2200	U
78-59-1	Isophorone	2200	U
88-75-5	2-Nitrophenol	2200	U
105-67-9	2,4-Dimethylphenol	2200	U
65-85-0	Benzoic Acid	11000	U
111-91-1	bis(2-Chloroethoxy)methane	2200	U
120-83-2	2,4-Dichlorophenol	2200	U
120-82-1	1,2,4-Trichlorobenzene	2200	U
91-20-3	Naphthalene	2200	U
106-47-8	4-Chloroaniline	2200	U
87-68-3	Hexachlorobutadiene	2200	U
59-50-7	4-Chloro-3-methylphenol	2200	U
91-57-6	2-Methylnaphthalene	2200	U
77-47-4	Hexachlorocyclopentadiene	2200	U
88-06-2	2,4,6-Trichlorophenol	2200	U
95-95-4	2,4,5-Trichlorophenol	11000	U
91-58-7	2-Chloronaphthalene	2200	U
88-74-4	2-Nitroaniline	11000	U
131-11-3	Dimethylphthalate	2200	U
208-96-8	Acenaphthylene	2200	U
606-20-2	2,6-Dinitrotoluene	2200	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CW253 00483

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) SOIL Lab Sample ID: CW253

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 47238EI8

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. 26 dec. ____ Date Extracted: 07/14/88

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/05/88

GPC Cleanup: (Y/N) N pH: 9.0 Dilution Factor: 5.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	11000	U
83-32-9	Acenaphthene	2200	U
51-28-5	2,4-Dinitrophenol	11000	U
100-02-7	4-Nitrophenol	11000	U
132-64-9	Dibenzofuran	2200	U
121-14-2	2,4-Dinitrotoluene	2200	U
84-66-2	Diethylphthalate	2200	U
7005-72-3	4-Chlorophenyl-phenyl Ether	2200	U
86-73-7	Fluorene	2200	U
100-01-6	4-Nitroaniline	11000	U
534-52-1	4,6-Dinitro-2-methylphenol	11000	U
86-30-6	N-Nitrosodiphenylamine (1)	2200	U
101-55-3	4-Bromophenyl-phenyl Ether	2200	U
118-74-1	Hexachlorobenzene	2200	U
87-86-5	Pentachlorophenol	11000	U
85-01-8	Phenanthrene	1400	J
120-12-7	Anthracene	2200	U
84-74-2	Di-n-butylphthalate	2200	U
206-44-0	Fluoranthene	2200	U
129-00-0	Pyrene	1400	J
85-68-7	Butylbenzylphthalate	2200	U
91-94-1	3,3'-Dichlorobenzidine	4500	U
56-55-3	Benzo(a)anthracene	2200	U
218-01-9	Chrysene	2200	U
117-81-7	bis(2-Ethylhexyl)phthalate	2300	[illegible]
117-84-0	Di-n-octylphthalate	2200	U
205-99-2	Benzo(b)fluoranthene	2200	U
207-08-9	Benzo(k)fluoranthene	2200	U
50-32-8	Benzo(a)pyrene	2200	U
193-39-5	Indeno(1,2,3-cd)pyrene	2200	U
53-70-3	Dibenz(a,h)anthracene	2200	U
191-24-2	Benzo(g,h,i)perylene	2200	U

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CW253 00997

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: SDG No.: CW247

Matrix: (soil/water) SOIL Lab Sample ID: CW253,1/2

Sample wt/vol: 30.1 (g/ml) G Lab File ID: PO-202-1015

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. 26 dec. Date Extracted: 07/14/88

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/20/88

GPC Cleanup: (Y/N) N pH: 9.0 Dilution Factor: 2

CONCENTRATION UNITS: (ug/L or ug/KG) ug/KG

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	22	U
319-85-7	beta-BHC	22	U
319-86	delta-BHC	22	U
58-89-9	gamma-BHC(Lindane)	22	U
76-44-8	Heptachlor	22	U
309-00-2	Aldrin	22	U
1024-57-3	Heptachlor epoxide	22	U
959-98-8	Endosulfan I	22	U
60-57-1	Dieldrin	43	U
72-55-9	4,4'-DDE	43	U
72-20-8	Endrin	43	U
33213-65-9	Endosulfan II	43	U
72-54-8	4,4'-DDD	43	U
1031-07-8	Endosulfan sulfate	43	U
50-29-3	4,4'-DDT	43	U
72-43-5	Methoxychlor	220	U
53494-70-5	Endrin Ketone	43	U
5103-71-9	alpha-Chlordane	220	U
5103-74-2	gamma-Chlordane	220	U
8001-35-2	Toxaphene	430	U
12674-11-2	Aroclor-1016	220	U
11104-28-2	Aroclor-1221	220	U
11141-16-5	Aroclor-1232	220	U
53469-21-9	Aroclor-1242	220	U
12672-29-6	Aroclor-1248	220	U
11097-69-1	Aroclor-1254	1200	**
11096-82-5	Aroclor-1260	430	U

JJ 8/1/88

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CW253 00191

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) SOIL Lab Sample ID: CW253

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 47238EB8

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. 26 Date Analyzed: 07/15/88

Column (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CW253 00434

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) SOIL Lab Sample ID: CW253

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 47238EI8

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. 26 dec. ____ Date Extracted: 07/14/88

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/05/88

GPC Cleanup: (Y/N) N pH: 9.0 Dilution Factor: 5.00

ıber TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN KETONE	7.70	1600	J
2.	UNKNOWN HYDROCARBON	15.69	1400	J
3.	UNKNOWN HYDROCARBON	17.44	2000	J
4.	BIS(METHYETHYL)PHENOL ISOMER	17.57	1800	J
5.	UNKNOWN HYDROCARBON	24.99	2300	J
6.	UNKNOWN HYDROCARBON	26.29	1800	J
7.	UNKNOWN HYDROCARBON	27.57	2300	J
8.	UNKNOWN HYDROCARBON	32.76	2300	J
9.	UNKNOWN HYDROCARBON	33.56	6800	J
10.	UNKNOWN	33.89	9000	J
11.	UNKNOWN HYDROCARBON	34.54	9000	J
12.	UNKNOWN AROMATIC	35.09	14000	J
13.	UNKNOWN HYDROCARBON	35.52	9000	J
14.	UNKNOWN AROMATIC	35.71	14000	J
15.	UNKNOWN	36.19	6800	J
16.	UNKNOWN	36.36	9000	J
17.	UNKNOWN	36.82	23000	J
18.	UNKNOWN	37.41	6800	J
19.	UNKNOWN AROMATIC COMPOUND	38.39	6800	J
20.	UNKNOWN	38.66	4500	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 24

CW254 0020U

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) SOIL Lab Sample ID: CW254

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 47238EB9

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. 33 Date Analyzed: 07/15/88

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	15	U
74-83-9	Bromomethane	15	U
75-01-4	Vinyl Chloride	15	U
75-00-3	Chloroethane	15	U
75-09-2	Methylene Chloride	23	B
67-64-1	Acetone	42	B
75-15-0	Carbon Disulfide	7	U
75-35-4	1,1-Dichloroethene	7	U
75-34-3	1,1-Dichloroethane	7	U
540-59-0	1,2-Dichloroethene (total)	7	U
67-66-3	Chloroform	7	U
107-06-2	1,2-Dichloroethane	7	U
78-93-3	2-Butanone	15	U
71-55-6	1,1,1-Trichloroethane	7	U
56-23-5	Carbon Tetrachloride	7	U
108-05-4	Vinyl Acetate	15	U
75-27-4	Bromodichloromethane	7	U
78-87-5	1,2-Dichloropropane	7	U
10061-01-5	cis-1,3-Dichloropropene	7	U
79-01-6	Trichloroethene	7	U
124-48-1	Dibromochloromethane	7	U
79-00-5	1,1,2-Trichloroethane	7	U
71-43-2	Benzene	7	U
10061-02-6	trans-1,3-Dichloropropene	7	U
75-25-2	Bromoform	7	U
108-10-1	4-Methyl-2-Pentanone	15	U
591-78-6	2-Hexanone	15	U
127-18-4	Tetrachloroethene	7	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
108-88-3	Toluene	7	U
108-90-7	Chlorobenzene	7	U
100-41-4	Ethylbenzene	7	U
100-42-5	Styrene	7	U
1330-20-7	Xylenes (Total)	7	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CW254 00540

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) SOIL Lab Sample ID: CW254

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 47238EI6

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. 33 dec. ____ Date Extracted: 07/14/88

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/05/88

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 5.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	4400	
111-44-4	bis(2-Chloroethyl) Ether	2500	U
95-57-8	2-Chlorophenol	2500	U
541-73-1	1,3-Dichlorobenzene	2500	U
106-46-7	1,4-Dichlorobenzene	2500	U
100-51-6	Benzyl Alcohol	2500	U
95-50-1	1,2-Dichlorobenzene	2500	U
95-48-7	2-Methylphenol	2500	U
108-60-1	bis(2-Chloroisopropyl) Ether	2500	U
106-44-5	4-Methylphenol	440	J
621-64-7	N-Nitroso-di-n-propylamine	2500	U
67-72-1	Hexachloroethane	2500	U
98-95-3	Nitrobenzene	2500	U
78-59-1	Isophorone	2500	U
88-75-5	2-Nitrophenol	2500	U
105-67-9	2,4-Dimethylphenol	930	J
65-85-0	Benzoic Acid	12000	U
111-91-1	bis(2-Chloroethoxy)methane	2500	U
120-83-2	2,4-Dichlorophenol	2500	U
120-82-1	1,2,4-Trichlorobenzene	2500	U
91-20-3	Naphthalene	2500	U
106-47-8	4-Chloroaniline	2500	U
87-68-3	Hexachlorobutadiene	2500	U
59-50-7	4-Chloro-3-methylphenol	2500	U
91-57-6	2-Methylnaphthalene	2500	U
77-47-4	Hexachlorocyclopentadiene	2500	U
88-06-2	2,4,6-Trichlorophenol	2500	U
95-95-4	2,4,5-Trichlorophenol	12000	U
91-58-7	2-Chloronaphthalene	2500	U
88-74-4	2-Nitroaniline	12000	U
131-11-3	Dimethylphthalate	2500	U
208-96-8	Acenaphthylene	2500	U
606-20-2	2,6-Dinitrotoluene	2500	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CW254 00541

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) SOIL Lab Sample ID: CW254

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 47238EI6

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. 33 dec. ____ Date Extracted: 07/14/88

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/05/88

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 5.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	12000	U
83-32-9	Acenaphthene	2500	U
51-28-5	2,4-Dinitrophenol	12000	U
100-02-7	4-Nitrophenol	12000	U
132-64-9	Dibenzofuran	2500	U
121-14-2	2,4-Dinitrotoluene	2500	U
84-66-2	Diethylphthalate	2500	U
7005-72-3	4-Chlorophenyl-phenyl Ether	2500	U
86-73-7	Fluorene	2500	U
100-01-6	4-Nitroaniline	12000	U
534-52-1	4,6-Dinitro-2-methylphenol	12000	U
86-30-6	N-Nitrosodiphenylamine (1)	2500	U
101-55-3	4-Bromophenyl-phenyl Ether	2500	U
118-74-1	Hexachlorobenzene	2500	U
87-86-5	Pentachlorophenol	12000	U
85-01-8	Phenanthrene	2500	U
120-12-7	Anthracene	2500	U
84-74-2	Di-n-butylphthalate	2500	U
206-44-0	Fluoranthene	2500	U
129-00-0	Pyrene	650	J
85-68-7	Butylbenzylphthalate	2500	U
91-94-1	3,3'-Dichlorobenzidine	4900	U
56-55-3	Benzo(a)anthracene	2500	U
218-01-9	Chrysene	2500	U
117-81-7	bis(2-Ethylhexyl)phthalate	2500	U
117-84-0	Di-n-octylphthalate	2500	U
205-99-2	Benzo(b)fluoranthene	2500	U
207-08-9	Benzo(k)fluoranthene	2500	U
50-32-8	Benzo(a)pyrene	2500	U
193-39-5	Indeno(1,2,3-cd)pyrene	2500	U
53-70-3	Dibenz(a,h)anthracene	2500	U
191-24-2	Benzo(g,h,i)perylene	2500	U

(1) - Cannot be separated from Diphenylamine

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CW254Y 01014

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: SDG No.: CW247

Matrix: (soil/water) SOIL Lab Sample ID: CW254Y

Sample wt/vol: 29.9 (g/ml) G Lab File ID: PO-202-1019

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. 33 dec. Date Extracted: 07/14/88

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/21/88

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/KG	Q
319-84-6	alpha-BHC	12	U
319-85-7	beta-BHC	12	U
319-86	delta-BHC	12	U
58-89-9	gamma-BHC(Lindane)	12	U
76-44-8	Heptachlor	12	U
309-00-2	Aldrin	12	U
1024-57-3	Heptachlor epoxide	12	U
959-98-8	Endosulfan I	12	U
60-57-1	Dieldrin	24	U
72-55-9	4,4'-DDE	24	U
72-20-8	Endrin	24	U
33213-65-9	Endosulfan II	24	U
72-54-8	4,4'-DDD	24	U
1031-07-8	Endosulfan sulfate	24	U
50-29-3	4,4'-DDT	24	U
72-43-5	Methoxychlor	120	U
53494-70-5	Endrin Ketone	24	U
5103-71-9	alpha-Chlordane	120	U
5103-74-2	gamma-Chlordane	120	U
8001-35-2	Toxaphene	240	U
12674-11-2	Aroclor-1016	120	U
11104-28-2	Aroclor-1221	120	U
11141-16-5	Aroclor-1232	120	U
53469-21-9	Aroclor-1242	120	U
12672-29-6	Aroclor-1248	120	U
11097-69-1	Aroclor-1254	640	**
11096-82-5	Aroclor-1260	240	U

JJ 8/1/88

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CW254 00201

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) SOIL Lab Sample ID: CW254

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 47238EB9

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. 33 Date Analyzed: 07/15/88

Column (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CW254 00542

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) SOIL Lab Sample ID: CW254

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 47238EI6

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. 33 dec. ____ Date Extracted: 07/14/88

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/05/88

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 5.00

ber TICs found: 20

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		METHYLETHYL PHENOL ISOMER	13.87	22000	J
2.		METHYLETHYL PHENOL ISOMER	14.37	10000	J
3.		UNKNOWN HYDROCARBON	15.67	1500	J
4.		UNKNOWN HYDROCARBON	17.42	2000	J
5.		BIS(1-METHYLETHYL)PHENOL ISO	17.55	2000	J
6.		UNKNOWN HYDROCARBON	20.65	2500	J
7.		UNKNOWN HYDROCARBON	22.17	2500	J
8.		UNKNOWN HYDROCARBON	24.97	2500	J
9.		UNKNOWN HYDROCARBON	26.27	2200	J
10.		UNKNOWN	32.56	5000	J
11.		UNKNOWN	33.89	17000	J
12.		UNKNOWN	35.09	25000	J
13.		UNKNOWN ALKYLBENZENE	35.72	22000	J
14.		(1-METHYLETHENYL)(1-METHYLET	36.42	10000	J
15.		SUBSTITUTED BENZENE	36.81	25000	J
16.		SUBSTITUTED BEZENE	36.96	7500	J
17.		UNKNOWN	37.62	7500	J
18.		SUBSTITUTED BENZENE	38.01	15000	J
19.		SUBSTITUTED BENZENE	38.37	12000	J
20.		UNKNOWN	38.64	5000	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CW255 00210

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) SOIL Lab Sample ID: CW255

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 47238EB1

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. 17 Date Analyzed: 07/15/88

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	9	B
67-64-1	Acetone	14	B
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	6	U
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
108-05-4	Vinyl Acetate	12	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-88-3	Toluene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
1330-20-7	Xylenes (Total)	6	U

SN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CW255 00592

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) SOIL Lab Sample ID: CW255

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 47238EI10

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. 17 dec. ____ Date Extracted: 07/14/88

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/10/88

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 5.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2000	U
111-44-4	bis(2-Chloroethyl) Ether	2000	U
95-57-8	2-Chlorophenol	2000	U
541-73-1	1,3-Dichlorobenzene	2000	U
106-46-7	1,4-Dichlorobenzene	2000	U
100-51-6	Benzyl Alcohol	2000	U
95-50-1	1,2-Dichlorobenzene	2000	U
95-48-7	2-Methylphenol	2000	U
108-60-1	bis(2-Chloroisopropyl) Ether	2000	U
106-44-5	4-Methylphenol	2000	U
621-64-7	N-Nitroso-di-n-propylamine	2000	U
67-72-1	Hexachloroethane	2000	U
98-95-3	Nitrobenzene	2000	U
78-59-1	Isophorone	2000	U
88-75-5	2-Nitrophenol	2000	U
105-67-9	2,4-Dimethylphenol	2000	U
65-85-0	Benzoic Acid	9600	U
111-91-1	bis(2-Chloroethoxy)methane	2000	U
120-83-2	2,4-Dichlorophenol	2000	U
120-82-1	1,2,4-Trichlorobenzene	2000	U
91-20-3	Naphthalene	2000	U
106-47-8	4-Chloroaniline	2000	U
87-68-3	Hexachlorobutadiene	2000	U
59-50-7	4-Chloro-3-methylphenol	2000	U
91-57-6	2-Methylnaphthalene	2000	U
77-47-4	Hexachlorocyclopentadiene	2000	U
88-06-2	2,4,6-Trichlorophenol	2000	U
95-95-4	2,4,5-Trichlorophenol	9600	U
91-58-7	2-Chloronaphthalene	2000	U
88-74-4	2-Nitroaniline	9600	U
131-11-3	Dimethylphthalate	2000	U
208-96-8	Acenaphthylene	2000	U
606-20-2	2,6-Dinitrotoluene	2000	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CW255 00593

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: _____ SDG No.: CW247

Matrix: (soil/water) SOIL Lab Sample ID: CW255

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 47238EI10

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. 17 dec. ____ Date Extracted: 07/14/88

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/10/88

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 5.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	9600	U
83-32-9	Acenaphthene	2000	U
51-28-5	2,4-Dinitrophenol	9600	U
100-02-7	4-Nitrophenol	9600	U
132-64-9	Dibenzofuran	2000	U
121-14-2	2,4-Dinitrotoluene	2000	U
84-66-2	Diethylphthalate	2000	U
7005-72-3	4-Chlorophenyl-phenyl Ether	2000	U
86-73-7	Fluorene	2000	U
100-01-6	4-Nitroaniline	9600	U
534-52-1	4,6-Dinitro-2-methylphenol	9600	U
86-30-6	N-Nitrosodiphenylamine (1)	2000	U
101-55-3	4-Bromophenyl-phenyl Ether	2000	U
118-74-1	Hexachlorobenzene	2000	U
87-86-5	Pentachlorophenol	9600	U
85-01-8	Phenanthrene	2000	U
120-12-7	Anthracene	2000	U
84-74-2	Di-n-butylphthalate	2000	U
206-44-0	Fluoranthene	2000	U
129-00-0	Pyrene	2000	U
85-68-7	Butylbenzylphthalate	2000	U
91-94-1	3,3'-Dichlorobenzidine	4000	U
56-55-3	Benzo(a)anthracene	2000	U
218-01-9	Chrysene	2000	U
117-81-7	bis(2-Ethylhexyl)phthalate	2000	U
117-84-0	Di-n-octylphthalate	2000	U
205-99-2	Benzo(b)fluoranthene	2000	U
207-08-9	Benzo(k)fluoranthene	2000	U
50-32-8	Benzo(a)pyrene	2000	U
193-39-5	Indeno(1,2,3-cd)pyrene	2000	U
53-70-3	Dibenz(a,h)anthracene	2000	U
191-24-2	Benzo(g,h,i)perylene	2000	U

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CW255 01031

Lab Name: IT CERRITOS Contract: 68-01-7469

Lab Code: IT Case No.: 9998 SAS No.: SDG No.: CW247

Matrix: (soil/water) SOIL Lab Sample ID: CW255,1/2

Sample wt/vol: 30.0 (g/ml) G Lab File ID: PO-202-1024

Level: (low/med) LOW Date Received: 07/14/88

% Moisture: not dec. 17 dec. Date Extracted: 07/14/88

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/21/88

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 2

CONCENTRATION UNITS: (ug/L or ug/KG) ug/KG

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	19	U
319-85-7	beta-BHC	19	U
319-86	delta-BHC	19	U
58-89-9	gamma-BHC(Lindane)	19	U
76-44-8	Heptachlor	19	U
309-00-2	Aldrin	19	U
1024-57-3	Heptachlor epoxide	19	U
959-98-8	Endosulfan I	19	U
60-57-1	Dieldrin	39	U
72-55-9	4,4'-DDE	39	U
72-20-8	Endrin	39	U
33213-65-9	Endosulfan II	39	U
72-54-8	4,4'-DDD	39	U
1031-07-8	Endosulfan sulfate	39	U
50-29-3	4,4'-DDT	39	U
72-43-5	Methoxychlor	190	U
53494-70-5	Endrin Ketone	39	U
5103-71-9	alpha-Chlordane	190	U
5103-74-2	gamma-Chlordane	190	U
8001-35-2	Toxaphene	390	U
12674-11-2	Aroclor-1016	190	U
11104-28-2	Aroclor-1221	190	U
11141-16-5	Aroclor-1232	190	U
53469-21-9	Aroclor-1242	190	U
12672-29-6	Aroclor-1248	190	U
11097-69-1	Aroclor-1254	390	U
11096-82-5	Aroclor-1260	390	U

JJ 8/1/88