FS-3303-01

IL-0219-10

EPA Region 5 Records Ctr.
357875

SAND PARK
LOVES PARK, IL.

PREVIOUS RESULTS FROM SAMPLES TAKEN FROM DOWNGRADIENT WELLS ONLY 9/14/84.

IL-0219-05

ecology and environment, inc.

223 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60606, TEL. 312-663-9415

International Specialists in the Environmental Sciences

Date Received for Review: 9/21/84 Date Review Completed: 9/28/84

To: RON ST. JOHN

From: Cynthia Bachunas

Subject: LOVES PARK
ROS-8303-01D (ILLINOIS)

Sample Description: CASE 3140 - LOW WATER ORGANICS

Project Data Status: STILL AWAITING METALS & CYANIDE

FIT Data Review Findings:

- FIELD BLANK CONTAINS 7.5 ppb ACETONE

SEE ATTACHED CRL REVIEW FOR COMMENTS

Additional Comments:

recycled paper

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE 9/19/84

RECEIVED SEP 21 1984

SUBJECT Review of Region V CLP Data
Received for Review on 9/14/84

FROM Curtis Ross, Director
Central Regional Laboratory Chuck Eldy

TO Data User: FIT

We have reviewed the data for the following case(s).

SITE NAME Loves Park SMO Case No. 3140

EPA Data Set No. SF638 No. of Samples 6 D.U./Activity Numbers Y905 1C48500

CRL No. 84M509570 To 84M509R12

SMO Traffic No. E8327 to E8332

Contract Laboratory: Pedco Hours Required for Review: 8

Following are our findings.

WATER SURROGATE % RECOVERY - SEE ATTACHMENT 1

SEMI-VOLATILES

SAMPLE Compounds

BLANK D_5- Nitrobenzene OUTSIDE OF QC LIMITS.
D_{14}- p-Terphenyl " " " "

E8327 D_5- Nitrobenzene " " " "

E8329 D_5- Nitrobenzene " " " "

E8330 D_{14}- p-Terphenyl " " " "

E8330MS D_5- Nitrobenzene " "

CONT. ON NEXT PAGE

( ) Data are acceptable for use.
(X) Data are acceptable for use with qualifications noted above. 9-18-84
( ) Data are preliminary - pending verification by Contractor Laboratory.
( ) Data are unacceptable.

cc: Dr. Alfred Haeberer/Joan Fisk/Gary Ward, EPA Support Services
Ross K. Robeson, EMSL-Las Vegas
Robert Pritchard, CLP/SMO

EPA FORM 1320-6 (REV 3-76)

WATER SURROGATE % RECOVERY. CONT.

RECEIVED SEP 21 1984

PESTICIDES

SAMPLE	Compound	
BLANK	DibutylChlorendate	OUTSIDE OF QC LIMITS
E8328	"	" " " "
E8330	"	" " " "
E8332	"	" " " "

MATRIX SPIKE DUPLICATE / RECOVERY. SEE ATTACHMENT

FRACTION	SAMPLE	Compound	STATISTIC	
B/N	E8327 MS+MSD	Di-N-Butyl-phthalate	% REC	OUTSIDE OF QC LIMITS
B/N	E8227MS	PYRENE	% REC	" " " "

FORM III

WATER SURROGATE PERCENT RECOVERY SUMMARY

CASE NO. 3140
LOW LEVEL ✓
WATER ✓
QC REPORT NO.

CONTRACTOR PEDCo Environmental
MED. LEVEL

CONTRACT NO. 68-01-6779
HIGH LEVEL
OTHER (Specify)

ATTACHMENT 1

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

SMO Traffic Report No.	D_8 Toluene (86-119)	BFB (85-121)	D_4-1,2-Dichloroethane (77-120)	D_5-Nitrobenzene (41-120)	2-Fluorobiphenyl (44-119)	D_{14}-p-Terphenyl (33-128)	D_5-Phenol (15-96)	2-Fluorophenol (23-107)	2,4,6-Tribromophenol (20-105)	Dibutyl-Chlorendate (67-114)**	1,2,3,4-TCDD (23-148)
BLANK	100	100	95	40*	70	132*	24	62	22	45*	
E8327	106	112	86	24*	54	62	26	66	46	90	
E8328	105	109	88	46	84	102	26	70	40	115*	
E8329	103	110	89	34*	62	88	18	54	38	98	
E8330	104	111	89	42	62	10*	28	80	38	10*	
E8331	102	110	90	44	84	104	26	70	44	116	
E8332	105	112	93	46	80	128	26	72	22	125*	
E8329MS	103	107	86	38*	74	124	32	88	48		
E8329MSD	103	100	85	52	92	94	34	70	48		

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

RECEIVED SEP 21 1984

Comments:

Dioxins: out of outside of QC limits
Volatiles: 0 out of 27; outside of QC limits
Semi-Volatiles: 6 out of 54; outside of QC limits
Pesticides: 4 out of 7; outside of QC limits

FORM V

MATRIX SPIKE DUPLICATE/RECOVERY

CASE NO. 3140
LOW LEVEL ✓
WATER ✓
QC REPORT NO.

CONTRACTOR PEDCo Environmental
MED. LEVEL
SOIL/SED.

CONTRACT NO. 63-01-6779
HIGH LEVEL
OTHER (Specify)
UNITS (Circle) ug/kg ug/L

ATTACHMENT 2

FRACTION	COMPOUND	CONC. SPIKE ADDED	CONC. MS	% REC.	CONC. MSD	% REC	RPD	QC %RECOVERY LIMITS* RPD	WATER	SOIL	COMMENTS
VOA SMO # E8329	1,1-Dichloroethylene	49.9	56.5	113.2	53.1	106.4	6.2	<15%	61-145	59-177	
	Trichloroethylene	55.4	63.4	114.4	60.9	109.9	4.0	<15%	71-120	62-137	
	Chlorobenzene	42.3	49.2	116.3	49.5	117.0	0.6	<15%	75-130	60-133	
	Toluene	42.1	46.6	110.7	44.3	105.2	5.1	<15%	76-125	59-139	
	Benzene	41.7	47.1	112.9	44.9	107.7	4.6	<15%	76-127	66-142	
B/N SMO # E8327	1,2,4-Trichlorobenzene	51.7	32.6	63	44.6	86	27	<50%	39- 98	38-107	
	Acenaphthene	50.3	33.6	67	39.4	78	15	<50%	46-118	31-137	
	2,4-Dinitrotoluene	52.2	22.8	44	24.6	47	7	<50%	24- 96	28- 89	
	Di-N-Butylphthalate	69.5	5.2	7*	5.2	7*	0	<50%	11-117	29-135	
	Pyrene	65.0	95.8	147*	78.	120	20	<50%	26-127	35-142	
	N-Nitrosodi-N-Propylamine	56.0	27.8	50	36.2	65	26	<50%	41-116	41-126	
	1,4-Dichlorobenzene	60.7	30.2	50	39.0	64	25	<50%	36- 97	28-104	
ACID SMO # E8327	Pentachlorophenol	101.2	59.0	58	57.6	57	2	<40%	9-103	17-109	
	Phenol	103.8	60.4	58	70.4	68	16	<40%	12- 89	26- 90	
	2-Chlorophenol	110.4	88.6	80	75.4	68	16	<40%	27-123	25-102	
	P-Chlor-M-Cresol	100.8	55.0	55	54.6	54	2	<40%	23- 97	26-103	
	4-Nitrophenol	100.8	52.0	52	44.0	44	17	<40%	10- 80	11-114	
PEST SMO # E8329	Lindane	13.0	11.7	90.0	11.6	89.2	0.8	<40%	56-123	46-127	
	Heptachlor	13.2	9.97	75.7	9.91	75.1	0.6	<40%	40-131	35-130	
	Aldrin	10.7	9.33	87.2	9.20	86.0	1.2	<40%	40-120	34-132	
	Dieldrin	10.0	9.28	92.8	8.22	82.2	0.6	<40%	52-126	31-134	
	Endrin	10.7	9.97	93.2	9.55	89.3	3.9	<40%	56-121	42-139	
	P,p-DDT	9.0	8.44	93.8	8.31	92.3	1.5	<40%	38-127	23-134	

*Asterisked values are outside QC limits.

RECEIVED SEP 21 1984

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

RECOVERY:
VOAs 0 out of 10; outside of QC limits
B/N 3 out of 14; outside of QC limits
ACID 0 out of 10; outside of QC limits
PEST 0 out of 12; outside of QC limits

*Advisory Limits
Revised 12/83

I62

USEPA-SAMPLE MANAGEMENT OFFICE
PO BOX 818 ALEXANDRIA,VA 22313

RECEIVED ... 2 1 1984

84M50 9571

SAMPLE NO.
E8328 G-103

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME PEDCO ENV.
LAB SAMPLE ID NO. DR957
SAMPLE MATRIX WATER
DATA RELEASE AUTHORIZED

CASE NO: 3140
QC REPORT NO.
CONTRACT NO. 68-01-6779
DATE SAMPLE RECEIVED 8/16/84

VOLATILES

CONCENTRATION LOW
DATE PREPARED 8/17/84
DATE ANALYZED 8/17/84
PER CENT MOISTURE N/A
CONCENTRATION/DIL. FACTOR-----5ML

PP#	CAS#		UG/L
(2V)	107-02-8	ACROLEIN	100U
(3V)	107-13-1	ACRYLONITRILE	100U
(4V)	71-43-2	BENZENE	5U
(6V)	56-23-2	CARBON TETRACHLORIDE	5U
(7V)	108-90-7	CLOROBENZENE	5U
(10V)	107-06-2	1,2-DICHLOROETHANE	5U
(11V)	71-55-6	1,1,1-TRICHLOROETHANE	5U
(13V)	75-34-3	1,1-DICHLOROETHANE	5U
(14V)	79-00-5	1,1,2-TRICHLOROETHANE	5U
(15V)	79-34-5	1,1,2,2-TETRACHLOROETHANE	10U
(16V)	75-00-3	CHLOROETHANE	10U
(19V)	110-75-8	2-CHLOROETHYLVINYLETHER	10U
(23V)	67-66-3	CHLOROFORM	5U
(29V)	75-35-4	1,1-DICHLOROETHENE	5U
(30V)	156-60-5	TRANS-1,2-DICHLOROETHENE	5U
(32V)	78-87-5	1,2-DICHLOROPROPANE	10U
(33V)	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5U
	10061-01-0	5CIS-1,3-DICHLOROPROPENE	5U
(38V)	100-41-4	ETHYLBENZENE	5U
(44V)	75-09-2	METHYLENE CHLORIDE	5UC
(45V)	74-87-3	CHLOROMETHANE	10U
(46V)	74-83-9	BROMOMETHANE	10U
(47V)	75-25-2	BROMOFORM	10U
(48V)	75-27-4	BROMODICHLOROMETHANE	5U
(49V)	75-69-4	FLUOROTRICHLOROMETHANE	5U
(50V)	75-71-8	DICHLORODIFLUOROMETHANE	NA
(51V)	124-48-1	CHLORODIBROMOMETHANE	5U
(85V)	127-18-4	TETRACHLOROETHENE	5U
(86V)	108-88-3	TOLUENE	5U
(87V)	79-01-6	TRICHLOROETHENE	5U
(88V)	75-01-4	VINYL CHLORIDE	10U
	67-64-1	ACETONE	5U
	78-93-3	2-BUTANONE	5U
	75-15-0	CARBON DISULFIDE	1U
	519-78-6	2-HEXANONE	5U
	108-10-1	4-METHYL-2-PENTANONE	5U
	100-42-5	STYRENE	5U
	108-05-4	VINYL ACETATE	5U
	1330-20-7	TOTAL XYLENES	5U

PESTICIDES

CONCENTRATION LOW
DATE EXTRACTED 8/16/84
DATE ANALYZED 9/5/84
PERCENT MOISTURE N/A
CONCENTRATION/DIL. FACTOR-----10

C0049

PP#	CAS#		UG/L
(89P)	309-00-2	ALDRIN	.005U
(90P)	60-57-1	DIELDRIN	.005U
(91P)	57-74-9	CHLORDANE	.05U
(92P)	50-29-3	4,4'DDT	.01U
(93P)	72-55-9	4,4'DDE	.005U
(94P)	72-54-8	4,4'DDD	.1U
(95P)	115-29-7	ALPHA-ENDOSULFAN	.005U
(96P)	115-29-7	BETA-ENDOSULFAN	.005U
(97P)	1031-07-8	ENDOSULFAN SULFATE	.01U
(98P)	72-20-8	ENDRIN	.005U
(99P)	7421-93-4	ENDRIN ALDEHYDE	.01U
(100P)	76-44-8	HEPTACHLOR	.005U
(101P)	1024-57-3	HEPTACHLOR EPOXIDE	.005U
(102P)	319-84-6	ALPHA-BHC	.005U
(103P)	319-85-7	BETA-BHC	.005U
(104P)	319-86-8	DELTA-BHC	.005U
(105P)	58-89-9	GAMMA-BHC (LINDANE)	.005U
106P	53469-21-9	PCB-1242	.05U
107P	11097-69-1	PCB-1254	.1U
108P	11104-28-2	PCB-1221	.1U
109P	11141-16-5	PCB-1232	.05U
110P	12672-29-6	PCB-1248	.1U
111P	11096-82-5	PCB-1260	.1U
112P	12674-11-2	PCB-1016	.2U
113P	8001-35-2	TOXAPHENE	.05U

USEPA-SAMPLE MANAGEMENT OFFICE
PO BOX 818 ALEXANDRIA,VA 22313

SAMPLE NO.
E8328 G-103

RECEIVED SEP 2 1 1984

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME PEDCO ENV.
LAB SAMPLE ID NO DR957
SAMPLE MATRIX WATER
DATA RELEASE AUTHORIZED

CASE NO: 3140
QC REPORT NO.
CONTRACT NO. 68-01-6779
DATE SAMPLE RECEIVED 8/16/84

SEMIVOLATILE COMPOUNDS

CONCENTRATION LOW
DATE EXTRACTED 8/16/84
DATE ANALYZED 9/11/84
PER CENT MOISTURE N/A
CONCENTRATION/DIL. FACTOR-----500

PP#	CAS#		UG/L
(21A)	88-06-2	2,4,6-TRICHLOROPHENOL	10U
(22A)	59-50-7	P-CHLORO-M-CRESOL	10U
(24A)	95-57-8	2-CHLOROPHENOL	10U
(31A)	120-83-2	2,4-DICHLOROPHENOL	10U
(34A)	105-67-9	2,4-DIMETHYLPHENOL	10U
(57A)	88-75-5	2-NITROPHENOL	20U
(58A)	100-02-7	4-NITROPHENOL	50U
(59A)	51-28-5	2,4-DINITROPHENOL	50U
(60A)	534-52-1	4,6-DINITRO-O-CRESOL	20U
(64A)	87-86-5	PENTACHLOROPHENOL	10U
(65A)	108-95-2	PHENOL	10U
	65-85-0	BENZOIC ACID	100U
	95-48-7	2-METHYLPHENOL	5U
	108-39-4	4-METHYLPHENOL	5U
	95-95-4	2,4,5-TRICHLOROPHENOL	100U
(1B)	83-32-9	ACENAPTHENE	10U
(5B)	92-87-5	BENZIDINE	40U
(8B)	120-82-1	1,2,4-TRICHLOROBENZENE	10U
(9B)	118-74-1	HEXACHLOROBENZENE	10U
(12B)	67-72-1	HEXACHLOROETHANE	10U
(18B)	111-44-4	BIS(2-CHLOROETHYL)ETHER	10U
(20B)	91-58-7	2-CHLORONAPTHALENE	10U
(25B)	95-50-1	1,2-DICHLOROBENZENE	10U
(26B)	541-73-1	1,3-DICHLOROBENZENE	10U
(27B)	106-46-7	1,4-DICHLOROBENZENE	10U
(28B)	91-94-1	3,3'-DICHLOROBENZIDINE	20U
(35B)	121-14-2	2,4-DINITROTOLUENE	20U
(36B)	606-20-2	2,6-DINITROTOLUENE	20U
(37B)	122-66-7	1,2-DIPHENYLHYDRAZINE	20U
(39B)	206-44-0	FLUORANTHENE	10U
(40B)	7005-72-3	4-CHLOROPHENYLPHENYLETHER	10U
(41B)	101-55-3	4-BROMPHENYLPHENYLETHER	10U
(42B)	39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	20U
(43B)	111-91-1	BIS(2-CHLORETHOXY)METHANE	20U

PP#	CAS#		UG/L
(52B)	87-68-3	HEXACHLOROBUTADIENE	10U
(53B)	77-47-4	HEXACHLOROCYCLOPENTADIENE	10U
(54B)	78-59-1	ISOPHORONE	10U
(55B)	91-20-3	NAPTHALENE	10U
(56B)	98-95-3	NITROBENZENE	10U
(62B)	86-30-6	N-NITROSODIPHENYLAMINE	10U
(63B)	621-64-7	N-NITROSODIPROPYLAMINE	10U
(66B)	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10U
(67B)	85-68-7	BENZYLBUTYL PHTHALATE	10U
(68B)	84-74-2	DI-N-BUTYL PHTHALATE	10U
(69B)	117-84-0	DI-N-OCTYL PHTHALATE	10U
(70B)	84-66-2	DIETHYL PHTHALATE	10U
(71B)	131-11-3	DIMETHYL PHTHALATE	10U
(72B)	56-55-3	BENZO(A)ANTHRACENE	10U
(73B)	50-32-8	BENZO(A)PYRENE	20U
(74B)	205-99-2	BENZO(B)FLUORANTHENE AND/	20U
(75B)	207-08-9	BENZO(K)FLUORANTHENE OR	20U
(76B)	218-01-9	CHRYSENE	20U
(77B)	208-96-8	ACENAPTHYLENE	10U
(78B)	120-12-7	ANTHRACENE	10U
(79B)	191-24-2	BENZO(GHI)PERYLENE	20U
(80B)	86-73-7	FLUORENE	10U
(81B)	85-01-8	PHENANTHRENE	10U
(82B)	53-70-3	DIBENZO(AH)ANTHRACENE	20U
(83B)	193-39-5	INDENO(123-CD)PYRENE	20U
(84B)	129-00-0	PYRENE	10U
	62-53-3	ANILINE	5U
	100-51-6	BENZYL ALCOHOL	20U
	106-47-8	4-CHLOROANILINE	50U
	132-64-9	DIBENZOFURAN	10U
	91-57-6	2-METHYLNAPTHALENE	20U
	88-74-4	2-NITROANILINE	100U
	99-09-2	3-NITROANILINE	100U
	100-01-6	4-NITROANILINE	100U

RECEIVED SEP 2 1 1984

ORGANICS ANALYSIS DATA SHEET - Page 3

Sample Number: E8328

Laboratory Name: PEDCO ENVIRONMENTAL

Case No: 3150

QC Report No:

00051

B. Tentatively Identified Compounds

	CAS #	Compound Name	Fraction	Scan No. or Retention Time	% Maximum Score Attained Mass Matching Routine: Specify: Perk	Estimated Concentration (ug/L or ug/kg)
1.		None	VOA			
2.						
3.		Acid	BNA	935		230
4.		Unknown		1186		20
5.		Acid		1194		30
6.		Unknown		1310		90B
7.		"		1377		70
8.		"		1631		20
9.		"		1751		110
10.		"		1783		15
11.		"		1925		10
12.						
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						
21.						
22.						
23.						
24.						
25.						
26.						
27.						
28.						
29.						
30.						

4/82

162

USEPA-SAMPLE MANAGEMENT OFFICE
PO BOX 818 ALEXANDRIA,VA 22313

RECEIVED SEP 2 1 1984

84MS09570

SAMPLE NO.
E8327 G-102

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME PEDCO ENV.
LAB SAMPLE ID NO. DR956
SAMPLE MATRIX WATER
DATA RELEASE AUTHORIZED

CASE NO: 3140
QC REPORT NO.
CONTRACT NO. 68-01-6779
DATE SAMPLE RECEIVED 8/16/84

VOLATILES

CONCENTRATION LOW
DATE PREPARED 8/17/84
DATE ANALYZED 8/17/84
PER CENT MOISTURE N/A
CONCENTRATION/DIL. FACTOR-----5ML

PP#	CAS#		UG/L
(2V)	107-02-8	ACROLEIN	100U
(3V)	107-13-1	ACRYLONITRILE	100U
(4V)	71-43-2	BENZENE	5U
(6V)	56-23-2	CARBON TETRACHLORIDE	5U
(7V)	108-90-7	CLOROBENZENE	5U
(10V)	107-06-2	1,2-DICHLOROETHANE	5U
(11V)	71-55-6	1,1,1-TRICHLOROETHANE	5U
(13V)	75-34-3	1,1-DICHLOROETHANE	5U
(14V)	79-00-5	1,1,2-TRICHLOROETHANE	5U
(15V)	79-34-5	1,1,2,2-TETRACHLOROETHANE	10U
(16V)	75-00-3	CHLOROETHANE	10U
(19V)	110-75-8	2-CHLOROETHYLVINYLETHER	10U
(23V)	67-66-3	CHLOROFORM	5U
(29V)	75-35-4	1,1-DICHLOROETHENE	5U
(30V)	156-60-5	TRANS-1,2-DICHLOROETHENE	5U
(32V)	78-87-5	1,2-DICHLOROPROPANE	10U
(33V)	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5U
	10061-01-0	CIS-1,3-DICHLOROPROPENE	5U
(38V)	100-41-4	ETHYLBENZENE	5U
(44V)	75-09-2	METHYLENE CHLORIDE	5UC
(45V)	74-87-3	CHLOROMETHANE	10U
(46V)	74-83-9	BROMOMETHANE	10U
(47V)	75-25-2	BROMOFORM	10U
(48V)	75-27-4	BROMODICHLOROMETHANE	5U
(49V)	75-69-4	FLUOROTRICHLOROMETHANE	5U
(50V)	75-71-8	DICHLORODIFLUOROMETHANE	NA
(51V)	124-48-1	CHLORODIBROMOMETHANE	5U
(85V)	127-18-4	TETRACHLOROETHENE	5U
(86V)	108-88-3	TOLUENE	5U
(87V)	79-01-6	TRICHLOROETHENE	5U
(88V)	75-01-4	VINYL CHLORIDE	10U
	67-64-1	ACETONE	5U
	78-93-3	2-BUTANONE	5U
	75-15-0	CARBON DISULFIDE	1U
	519-78-6	2-HEXANONE	5U
	108-10-1	4-METHYL-2-PENTANONE	5U
	100-42-5	STYRENE	5U
	108-05-4	VINYL ACETATE	5U
	1330-20-7	TOTAL XYLENES	5U

PESTICIDES

CONCENTRATION LOW
DATE EXTRACTED 8/16/84
DATE ANALYZED 9/5/84
PERCENT MOISTURE N/A
CONCENTRATION/DIL. FACTOR-----10

PP#	CAS#		UG/L
(89P)	309-00-2	ALDRIN	.005U
(90P)	60-57-1	DIELDRIN	.005U
(91P)	57-74-9	CHLORDANE	.05U
(92P)	50-29-3	4,4'DDT	.01U
(93P)	72-55-9	4,4'DDE	.005U
(94P)	72-54-8	4,4'DDD	.1U
(95P)	115-29-7	ALPHA-ENDOSULFAN	.005U
(96P)	115-29-7	BETA-ENDOSULFAN	.005U
(97P)	1031-07-8	ENDOSULFAN SULFATE	.01U
(98P)	72-20-8	ENDRIN	.005U
(99P)	7421-93-4	ENDRIN ALDEHYDE	.01U
(100P)	76-44-8	HEPTACHLOR	.005U
(101P)	1024-57-3	HEPTACHLOR EPOXIDE	.005U
(102P)	319-84-6	ALPHA-BHC	.005U
(103P)	319-85-7	BETA-BHC	.005U
(104P)	319-86-8	DELTA-BHC	.005U
(105P)	58-89-9	GAMMA-BHC (LINDANE)	.005U
106P	53469-21-9	PCB-1242	.05U
107P	11097-69-1	PCB-1254	.1U
108P	11104-28-2	PCB-1221	.1U
109P	11141-16-5	PCB-1232	.05U
110P	12672-29-6	PCB-1248	.1U
111P	11096-82-5	PCB-1260	.1U
112P	12674-11-2	PCB-1016	.2U
113P	8001-35-2	TOXAPHENE	.05U

USEPA-SAMPLE MANAGEMENT OFFICE
PO BOX 818 ALEXANDRIA,VA 22313

SAMPLE NO.
E8327 G-102
GOC 10

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME PEDCO ENV.
LAB SAMPLE ID NO. DR956
SAMPLE MATRIX WATER
DATA RELEASE AUTHORIZED

CASE NO: 3140
QC REPORT NO.
CONTRACT NO. 68-01-6779
DATE SAMPLE RECEIVED 8/16/84

SEMIVOLATILE COMPOUNDS

RECEIVED SEP 21 1984

CONCENTRATION LOW
DATE EXTRACTED 8/16/84
DATE ANALYZED 9/11/84
PER CENT MOISTURE N/A
CONCENTRATION/DIL. FACTOR-----500

PP#	CAS#		UG/L
(21A)	88-06-2	2,4,6-TRICHLOROPHENOL	10U
(22A)	59-50-7	P-CHLORO-M-CRESOL	10U
(24A)	95-57-8	2-CHLOROPHENOL	10U
(31A)	120-83-2	2,4-DICHLOROPHENOL	10U
(34A)	105-67-9	2,4-DIMETHYLPHENOL	10U
(57A)	88-75-5	2-NITROPHENOL	20U
(58A)	100-02-7	4-NITROPHENOL	50U
(59A)	51-28-5	2,4-DINITROPHENOL	50U
(60A)	534-52-1	4,6-DINITRO-O-CRESOL	20U
(64A)	87-86-5	PENTACHLOROPHENOL	10U
(65A)	108-95-2	PHENOL	10U
	65-85-0	BENZOIC ACID	100U
	95-48-7	2-METHYLPHENOL	5U
	106-39-4	4-METHYLPHENOL	5U
	95-95-4	2,4,5-TRICHLOROPHENOL	100U
(1B)	83-32-9	ACENAPTHENE	10U
(5B)	92-87-5	BENZIDINE	40U
(8B)	120-82-1	1,2,4-TRICHLOROBENZENE	10U
(9B)	118-74-1	HEXACHLOROBENZENE	10U
(12B)	67-72-1	HEXACHLOROETHANE	10U
(18B)	111-44-4	BIS(2-CHLOROETHYL)ETHER	10U
(20B)	91-58-7	2-CHLORONAPTHALENE	10U
(25B)	95-50-1	1,2-DICHLOROBENZENE	10U
(26B)	541-73-1	1,3-DICHLOROBENZENE	10U
(27B)	106-46-7	1,4-DICHLOROBENZENE	10U
(28B)	91-94-1	3,3'-DICHLOROBENZIDINE	20U
(35B)	121-14-2	2,4-DINITROTOLUENE	20U
(36B)	606-20-2	2,6-DINITROTOLUENE	20U
(37B)	122-66-7	1,2-DIPHENYLHYDRAZINE	20U
(39B)	206-44-0	FLUORANTHENE	10U
(40B)	7005-72-3	4-CHLOROPHENYLPHENYLETHER	10U
(41B)	101-55-3	4-BROMPHENYLPHENYLETHER	10U
(42B)	39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	20U
(43B)	111-91-1	BIS(2-CHLORETHOXY)METHANE	20U

PP#	CAS#		UG/L
(52B)	87-68-3	HEXACHLOROBUTADIENE	10U
(53B)	77-47-4	HEXACHLOROCYCLOPENTADIENE	10U
(54B)	78-59-1	ISOPHORONE	10U
(55B)	91-20-3	NAPTHALENE	10U
(56B)	98-95-3	NITROBENZENE	10U
(62B)	86-30-6	N-NITROSODIPHENYLAMINE	10U
(63B)	621-64-7	N-NITROSODIPROPYLAMINE	10U
(66B)	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	13.4
(67B)	85-68-7	BENZYLBUTYL PHTHALATE	10U
(68B)	84-74-2	DI-N-BUTYL PHTHALATE	5.6K
(69B)	117-84-0	DI-N-OCTYL PHTHALATE	10U
(70B)	84-66-2	DIETHYL PHTHALATE	10U
(71B)	131-11-3	DIMETHYL PHTHALATE	10U
(72B)	56-55-3	BENZO(A)ANTHRACENE	10U
(73B)	50-32-8	BENZO(A)PYRENE	20U
(74B)	205-99-2	BENZO(B)FLUORANTHENE AND/	20U
(75B)	207-08-9	BENZO(K)FLUORANTHENE OR	20U
(76B)	218-01-9	CHRYSENE	20U
(77B)	208-96-8	ACENAPTHYLENE	10U
(78B)	120-12-7	ANTHRACENE	10U
(79B)	191-24-2	BENZO(GHI)PERYLENE	20U
(80B)	86-73-7	FLUORENE	10U
(81B)	85-01-8	PHENANTHRENE	10U
(82B)	53-70-3	DIBENZO(AH)ANTHRACENE	20U
(83B)	193-39-5	INDENO(123-CD)PYRENE	20U
(84B)	129-00-0	PYRENE	10U
	62-53-3	ANILINE	5U
	100-51-6	BENZYL ALCOHOL	20U
	106-47-8	4-CHLOROANILINE	50U
	132-64-9	DIBENZOFURAN	10U
	91-57-6	2-METHYLNAPTHALENE	20U
	88-74-4	2-NITROANILINE	100U
	99-09-2	3-NITROANILINE	100U
	100-01-6	4-NITROANILINE	100U

RECEIVED SEP 21 1984

ORGANICS ANALYSIS DATA SHEET - Page 3

Sample Number: EF327

Laboratory Name: PEDCO ENVIRONMENTAL

Case No: 8140

QC Report No:

00011

B. Tentatively Identified Compounds

	CAS #	Compound Name	Fraction	Scan No. or Retention Time	Maximum Score Attained Mass Matching Routine: Specify: Pri Lib	Estimated Concentration (ug/L or ug/kg)
1.		NONE	VOA			
2.						
3.		UNKNOWN	~~BNA~~	777		40
4.		"		926		250
5.		"		936		250
6.		"		1186		30
7.		"		1263		10
8.		Acid		1321		50
9.		UNKNOWN		922		10
10.		"		1748		10
11.		PHTHALATE		1724		10
12.		UNKNOWN		1630		30
13.		UNKNOWN		1548		100
14.		PAH		1525		15
15.		UNKNOWN		1527		15
16.		"		1424		20
17.		"		1384		150
18.						
19.						
20.						
21.						
22.						
23.						
24.						
25.						
26.						
27.						
28.						
29.						
30.						

6/82

84MS09572

USEPA-SAMPLE MANAGEMENT OFFICE
PO BOX 818 ALEXANDRIA,VA 22313

RECEIVED SEP 21 1984

SAMPLE NO.
E8329 G-104

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME PEDCO ENV.
LAB SAMPLE ID NO DR958
SAMPLE MATRIX WATER
DATA RELEASE AUTHORIZED

CASE NO: 3140
QC REPORT NO.
CONTRACT NO. 68-01-6779
DATE SAMPLE RECEIVED 8/16/84

SEMIVOLATILE COMPOUNDS

CONCENTRATION LOW
DATE EXTRACTED 8/16/84
DATE ANALYZED 9/11/84
PER CENT MOISTURE N/A
CONCENTRATION/DIL. FACTOR-----500

PP#	CAS#		UG/L
(21A)	88-06-2	2,4,6-TRICHLOROPHENOL	10U
(22A)	59-50-7	P-CHLORO-M-CRESOL	10U
(24A)	95-57-8	2-CHLOROPHENOL	10U
(31A)	120-83-2	2,4-DICHLOROPHENOL	10U
(34A)	105-67-9	2,4-DIMETHYLPHENOL	10U
(57A)	88-75-5	2-NITROPHENOL	20U
(58A)	100-02-7	4-NITROPHENOL	50U
(59A)	51-28-5	2,4-DINITROPHENOL	50U
(60A)	534-52-1	4,6-DINITRO-O-CRESOL	20U
(64A)	87-86-5	PENTACHLOROPHENOL	10U
(65A)	108-95-2	PHENOL	10U
	65-85-0	BENZOIC ACID	100U
	95-48-7	2-METHYLPHENOL	5U
	108-39-4	4-METHYLPHENOL	5U
	95-95-4	2,4,5-TRICHLOROPHENOL	100U
(1B)	83-32-9	ACENAPTHENE	10U
(5B)	92-87-5	BENZIDINE	40U
(8B)	120-82-1	1,2,4-TRICHLOROBENZENE	10U
(9B)	118-74-1	HEXACHLOROBENZENE	10U
(12B)	67-72-1	HEXACHLOROETHANE	10U
(18B)	111-44-4	BIS(2-CHLOROETHYL)ETHER	10U
(20B)	91-58-7	2-CHLORONAPTHALENE	10U
(25B)	95-50-1	1,2-DICHLOROBENZENE	10U
(26B)	541-73-1	1,3-DICHLOROBENZENE	10U
(27B)	106-46-7	1,4-DICHLOROBENZENE	10U
(28B)	91-94-1	3,3'-DICHLOROBENZIDINE	20U
(35B)	121-14-2	2,4-DINITROTOLUENE	20U
(36B)	606-20-2	2,6-DINITROTOLUENE	20U
(37B)	122-66-7	1,2-DIPHENYLHYDRAZINE	20U
(39B)	206-44-0	FLUORANTHENE	10U
(40B)	7005-72-3	4-CHLOROPHENYLPHENYLETHER	10U
(41B)	101-55-3	4-BROMPHENYLPHENYLETHER	10U
(42B)	39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	20U
(43B)	111-91-1	BIS(2-CHLORETHOXY)METHANE	20U

PP#	CAS#		UG/L
(52B)	87-68-3	HEXACHLOROBUTADIENE	10U
(53B)	77-47-4	HEXACHLOROCYCLOPENTADIENE	10U
(54B)	78-59-1	ISOPHORONE	10U
(55B)	91-20-3	NAPTHALENE	10U
(56B)	98-95-3	NITROBENZENE	10U
(62B)	86-30-6	N-NITROSODIPHENYLAMINE	10U
(63B)	621-64-7	N-NITROSODIPROPYLAMINE	10U
(66B)	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10U
(67B)	85-68-7	BENZYLBUTYL PHTHALATE	10U
(68B)	84-74-2	DI-N-BUTYL PHTHALATE	10U
(69B)	117-84-0	DI-N-OCTYL PHTHALATE	10U
(70B)	84-66-2	DIETHYL PHTHALATE	10U
(71B)	131-11-3	DIMETHYL PHTHALATE	10U
(72B)	56-55-3	BENZO(A)ANTHRACENE	10U
(73B)	50-32-8	BENZO(A)PYRENE	20U
(74B)	205-99-2	BENZO(B)FLUORANTHENE AND/	20U
(75B)	207-08-9	BENZO(K)FLUORANTHENE OR	20U
(76B)	218-01-9	CHRYSENE	20U
(77B)	208-96-8	ACENAPTHYLENE	10U
(78B)	120-12-7	ANTHRACENE	10U
(79B)	191-24-2	BENZO(GHI)PERYLENE	20U
(80B)	86-73-7	FLUORENE	10U
(81B)	85-01-8	PHENANTHRENE	10U
(82B)	53-70-3	DIBENZO(AH)ANTHRACENE	20U
(83B)	193-39-5	INDENO(123-CD)PYRENE	20U
(84B)	129-00-0	PYRENE	10U
	62-53-3	ANILINE	5U
	100-51-6	BENZYL ALCOHOL	20U
	106-47-8	4-CHLOROANILINE	50U
	132-64-9	DIBENZOFURAN	10U
	91-57-6	2-METHYLNAPTHALENE	20U
	88-74-4	2-NITROANILINE	100U
	99-09-2	3-NITROANILINE	100U
	100-01-6	4-NITROANILINE	100U

I62

USEPA-SAMPLE MANAGEMENT OFFICE
PO BOX 818 ALEXANDRIA,VA 22313

RECEIVED SEP 2 1 1984

SAMPLE NO.
E8329 G-104

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME PEDCO ENV.
LAB SAMPLE ID NO DR958
SAMPLE MATRIX WATER
DATA RELEASE AUTHORIZED

CASE NO: 3140
QC REPORT NO.
CONTRACT NO. 68-01-6779
DATE SAMPLE RECEIVED 8/16/84

VOLATILES

CONCENTRATION LOW
DATE PREPARED 8/17/84
DATE ANALYZED 8/17/84
PER CENT MOISTURE N/A
CONCENTRATION/DIL. FACTOR-----5ML

PP#	CAS#		UG/L
(2V)	107-02-8	ACROLEIN	100U
(3V)	107-13-1	ACRYLONITRILE	100U
(4V)	71-43-2	BENZENE	5U
(6V)	56-23-2	CARBON TETRACHLORIDE	5U
(7V)	108-90-7	CLOROBENZENE	5U
(10V)	107-06-2	1,2-DICHLOROETHANE	5U
(11V)	71-55-6	1,1,1-TRICHLOROETHANE	5U
(13V)	75-34-3	1,1-DICHLOROETHANE	5U
(14V)	79-00-5	1,1,2-TRICHLOROETHANE	5U
(15V)	79-34-5	1,1,2,2-TETRACHLOROETHANE	10U
(16V)	75-00-3	CHLOROETHANE	10U
(19V)	110-75-8	2-CHLOROETHYLVINYLETHER	10U
(23V)	67-66-3	CHLOROFORM	5U
(29V)	75-35-4	1,1-DICHLOROETHENE	5U
(30V)	156-60-5	TRANS-1,2-DICHLOROETHENE	5U
(32V)	78-87-5	1,2-DICHLOROPROPANE	10U
(33V)	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5U
	10061-01-0	5CIS-1,3-DICHLOROPROPENE	5U
(38V)	100-41-4	ETHYLBENZENE	5U
(44V)	75-09-2	METHYLENE CHLORIDE	5UC
(45V)	74-87-3	CHLOROMETHANE	10U
(46V)	74-83-9	BROMOMETHANE	10U
(47V)	75-25-2	BROMOFORM	10U
(48V)	75-27-4	BROMODICHLOROMETHANE	5U
(49V)	75-69-4	FLUOROTRICHLOROMETHANE	5U
(50V)	75-71-8	DICHLORODIFLUOROMETHANE	NA
(51V)	124-48-1	CHLORODIBROMOMETHANE	5U
(85V)	127-18-4	TETRACHLOROETHENE	5U
(86V)	108-88-3	TOLUENE	5U
(87V)	79-01-6	TRICHLOROETHENE	5U
(88V)	75-01-4	VINYL CHLORIDE	10U
	67-64-1	ACETONE	5UC
	78-93-3	2-BUTANONE	5U
	75-15-0	CARBON DISULFIDE	1U
	519-78-6	2-HEXANONE	5U
	108-10-1	4-METHYL-2-PENTANONE	5U
	100-42-5	STYRENE	5U
	108-05-4	VINYL ACETATE	5U
	1330-20-7	TOTAL XYLENES	5U

PESTICIDES

CONCENTRATION LOW
DATE EXTRACTED 8/16/84
DATE ANALYZED 9/5/84
PERCENT MOISTURE N/A
CONCENTRATION/DIL. FACTOR-----10

-0681

PP#	CAS#		UG/L
(89P)	309-00-2	ALDRIN	.005U
(90P)	60-57-1	DIELDRIN	.005U
(91P)	57-74-9	CHLORDANE	.05U
(92P)	50-29-3	4,4'DDT	.01U
(93P)	72-55-9	4,4'DDE	.005U
(94P)	72-54-8	4,4'DDD	.1U
(95P)	115-29-7	ALPHA-ENDOSULFAN	.005U
(96P)	115-29-7	BETA-ENDOSULFAN	.005U
(97P)	1031-07-8	ENDOSULFAN SULFATE	.01U
(98P)	72-20-8	ENDRIN	.005U
(99P)	7421-93-4	ENDRIN ALDEHYDE	.01U
(100P)	76-44-8	HEPTACHLOR	.005U
(101P)	1024-57-3	HEPTACHLOR EPOXIDE	.005U
(102P)	319-84-6	ALPHA-BHC	.005U
(103P)	319-85-7	BETA-BHC	.005U
(104P)	319-86-8	DELTA-BHC	.005U
(105P)	58-89-9	GAMMA-BHC (LINDANE)	.005U
106P	53469-21-9	PCB-1242	.05U
107P	11097-69-1	PCB-1254	.1U
108P	11104-28-2	PCB-1221	.1U
109P	11141-16-5	PCB-1232	.05U
110P	12672-29-6	PCB-1248	.1U
111P	11096-82-5	PCB-1260	.1U
112P	12674-11-2	PCB-1016	.2U
113P	8001-35-2	TOXAPHENE	.05U

RECEIVED SEP 2 1 1984

ORGANICS ANALYSIS DATA SHEET - Page 3

Sample Number: E-8329

Laboratory Name: PEDCO ENVIRONMENTAL

Case No: 3140

QC Report No:

00082

B. Tentatively Identified Compounds

	CAS #	Compound Name	Fraction	Scan No. or Retention Time	% Maximum Score Attained Mass Matching Routine: Specify: Purity	Estimated Concentration (ug/l or ug/kg)
1.		~~VOA 1~~				
2.		NONE	VOA			
3.						
4.		UNKNOWN	BNA	1899		3
5.		"		1630		6
6.		ACRYL BENZENE		1597		15
7.		UNKNOWN		1830		50
8.		"		1867		200
9.		"		1929		5
10.		"		1310		200
11.		"		1186		10
12.		Acid		936		200
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						
21.						
22.						
23.						
24.						
25.						
26.						
27.						
28.						
29.						
30.						

6/82

84MS01573

USEPA-SAMPLE MANAGEMENT OFFICE
PO BOX 818 ALEXANDRIA,VA 22313

RECEIVED SEP 21 1984

SAMPLE NO.
E8330 G-105

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME PEDCO ENV.
LAB SAMPLE ID NO DR959
SAMPLE MATRIX WATER
DATA RELEASE AUTHORIZED

CASE NO: 3140
QC REPORT NO.
CONTRACT NO. 68-01-6779
DATE SAMPLE RECEIVED 8/16/84

SEMIVOLATILE COMPOUNDS

CONCENTRATION LOW
DATE EXTRACTED 8/16/84
DATE ANALYZED 9/11/84
PER CENT MOISTURE N/A
CONCENTRATION/DIL. FACTOR-----500

PP#	CAS#		UG/L
(21A)	88-06-2	2,4,6-TRICHLOROPHENOL	10U
(22A)	59-50-7	P-CHLORO-M-CRESOL	10U
(24A)	95-57-8	2-CHLOROPHENOL	10U
(31A)	120-83-2	2,4-DICHLOROPHENOL	10U
(34A)	105-67-9	2,4-DIMETHYLPHENOL	10U
(57A)	88-75-5	2-NITROPHENOL	20U
(58A)	100-02-7	4-NITROPHENOL	50U
(59A)	51-28-5	2,4-DINITROPHENOL	50U
(60A)	534-52-1	4,6-DINITRO-O-CRESOL	20U
(64A)	87-86-5	PENTACHLOROPHENOL	10U
(65A)	108-95-2	PHENOL	10U
	65-85-0	BENZOIC ACID	100U
	95-48-7	2-METHYLPHENOL	5U
	108-39-4	4-METHYLPHENOL	5U
	95-95-4	2,4,5-TRICHLOROPHENOL	100U
(1B)	83-32-9	ACENAPTHENE	10U
(5B)	92-87-5	BENZIDINE	40U
(8B)	120-82-1	1,2,4-TRICHLOROBENZENE	10U
(9B)	118-74-1	HEXACHLOROBENZENE	10U
(12B)	67-72-1	HEXACHLOROETHANE	10U
(18B)	111-44-4	BIS(2-CHLOROETHYL)ETHER	10U
(20B)	91-58-7	2-CHLORONAPTHALENE	10U
(25B)	95-50-1	1,2-DICHLOROBENZENE	10U
(26B)	541-73-1	1,3-DICHLOROBENZENE	10U
(27B)	106-46-7	1,4-DICHLOROBENZENE	10U
(28B)	91-94-1	3,3'-DICHLOROBENZIDINE	20U
(35B)	121-14-2	2,4-DINITROTOLUENE	20U
(36B)	606-20-2	2,6-DINITROTOLUENE	20U
(37B)	122-66-7	1,2-DIPHENYLHYDRAZINE	20U
(39B)	206-44-0	FLUORANTHENE	10U
(40B)	7005-72-3	4-CHLOROPHENYLPHENYLETHER	10U
(41B)	101-55-3	4-BROMPHENYLPHENYLETHER	10U
(42B)	39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	20U
(43B)	111-91-1	BIS(2-CHLORETHOXY)METHANE	20U

PP#	CAS#		UG/L
(52B)	87-68-3	HEXACHLOROBUTADIENE	10U
(53B)	77-47-4	HEXACHLOROCYCLOPENTADIENE	10U
(54B)	78-59-1	ISOPHORONE	10U
(55B)	91-20-3	NAPTHALENE	10U
(56B)	98-95-3	NITROBENZENE	10U
(62B)	86-30-6	N-NITROSODIPHENYLAMINE	10U
(63B)	621-64-7	N-NITROSODIPROPYLAMINE	10U
(66B)	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10U
(67B)	85-68-7	BENZYLBUTYL PHTHALATE	10U
(68B)	84-74-2	DI-N-BUTYL PHTHALATE	10U
(69B)	117-84-0	DI-N-OCTYL PHTHALATE	10U
(70B)	84-66-2	DIETHYL PHTHALATE	10U
(71B)	131-11-3	DIMETHYL PHTHALATE	10U
(72B)	56-55-3	BENZO(A)ANTHRACENE	10U
(73B)	50-32-8	BENZO(A)PYRENE	20U
(74B)	205-99-2	BENZO(B)FLUORANTHENE AND/	20U
(75B)	207-08-9	BENZO(K)FLUORANTHENE OR	20U
(76B)	218-01-9	CHRYSENE	20U
(77B)	208-96-8	ACENAPTHYLENE	10U
(78B)	120-12-7	ANTHRACENE	10U
(79B)	191-24-2	BENZO(GHI)PERYLENE	20U
(80B)	86-73-7	FLUORENE	10U
(81B)	85-01-8	PHENANTHRENE	10U
(82B)	53-70-3	DIBENZO(AH)ANTHRACENE	20U
(83B)	193-39-5	INDENO(123-CD)PYRENE	20U
(84B)	129-00-0	PYRENE	10U
	62-53-3	ANILINE	5U
	100-51-6	BENZYL ALCOHOL	20U
	106-47-8	4-CHLOROANILINE	50U
	132-64-9	DIBENZOFURAN	10U
	91-57-6	2-METHYLNAPTHALENE	20U
	88-74-4	2-NITROANILINE	100U
	99-09-2	3-NITROANILINE	100U
	100-01-6	4-NITROANILINE	100U

I62

USEPA-SAMPLE MANAGEMENT OFFICE
PO BOX 818 ALEXANDRIA,VA 22313

RECEIVED SEP 21 1984

SAMPLE NO.
E8330 G105

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME PEDCO ENV.
LAB SAMPLE ID NO DR959
SAMPLE MATRIX WATER
DATA RELEASE AUTHORIZED

CASE NO: 3140
QC REPORT NO.
CONTRACT NO. 68-01-6779
DATE SAMPLE RECEIVED 8/16/84

VOLATILES

CONCENTRATION LOW
DATE PREPARED 8/17/84
DATE ANALYZED 8/17/84
PER CENT MOISTURE N/A
CONCENTRATION/DIL. FACTOR-----5ML

PP#	CAS#		UG/L
(2V)	107-02-8	ACROLEIN	100U
(3V)	107-13-1	ACRYLONITRILE	100U
(4V)	71-43-2	BENZENE	10.9
(6V)	56-23-2	CARBON TETRACHLORIDE	5U
(7V)	108-90-7	CLOROBENZENE	8.5
(10V)	107-06-21,2-	DICHLOROETHANE	5U
(11V)	71-55-61,1,1-	TRICHLOROETHANE	5U
(13V)	75-34-31,1-	DICHLOROETHANE	5U
(14V)	79-00-51,1,2-	TRICHLOROETHANE	5U
(15V)	79-34-51,1,2,2-	TETRACHLOROETHANE	10U
(16V)	75-00-3	CHLOROETHANE	10U
(19V)	110-75-82-	CHLOROETHYLVINYLETHER	10U
(23V)	67-66-3	CHLOROFORM	5U
(29V)	75-35-41,1-	DICHLOROETHENE	5U
(30V)	156-60-5	TRANS-1,2-DICHLOROETHENE	5U
(32V)	78-87-51,2-	DICHLOROPROPANE	10U
(33V)	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5U
	10061-01-05	CIS-1,3-DICHLOROPROPENE	5U
(38V)	100-41-4	ETHYLBENZENE	5U
(44V)	75-09-2	METHYLENE CHLORIDE	2.3CK
(45V)	74-87-3	CHLOROMETHANE	10U
(46V)	74-83-9	BROMOMETHANE	10U
(47V)	75-25-2	BROMOFORM	10U
(48V)	75-27-4	BROMODICHLOROMETHANE	5U
(49V)	75-69-4	FLUOROTRICHLOROMETHANE	5U
(50V)	75-71-8	DICHLORODIFLUOROMETHANE	NA
(51V)	124-48-1	CHLORODIBROMOMETHANE	5U
(85V)	127-18-4	TETRACHLOROETHENE	5U
(86V)	108-88-3	TOLUENE	5U
(87V)	79-01-6	TRICHLOROETHENE	5U
(88V)	75-01-4	VINYL CHLORIDE	10U
	67-64-1	ACETONE	15.9C
	78-93-3	2-BUTANONE	5U
	75-15-0	CARBON DISULFIDE	1U
	519-78-6	2-HEXANONE	5U
	108-10-1	4-METHYL-2-PENTANONE	5U
	100-42-5	STYRENE	5U
	108-05-4	VINYL ACETATE	5U
	1330-20-7	TOTAL XYLENES	5U

PESTICIDES

CONCENTRATION LOW
DATE EXTRACTED 8/16/84
DATE ANALYZED 9/5/84
PERCENT MOISTURE N/A
CONCENTRATION/DIL. FACTOR-----10

PP#	CAS#		UG/L
(89P)	309-00-2	ALDRIN	.005U
(90P)	60-57-1	DIELDRIN	.005U
(91P)	57-74-9	CHLORDANE	.05U
(92P)	50-29-3	4,4'DDT	.01U
(93P)	72-55-9	4,4'DDE	.005U
(94P)	72-54-8	4,4'DDD	.1U
(95P)	115-29-7	ALPHA-ENDOSULFAN	.005U
(96P)	115-29-7	BETA-ENDOSULFAN	.005U
(97P)	1031-07-8	ENDOSULFAN SULFATE	.01U
(98P)	72-20-8	ENDRIN	.005U
(99P)	7421-93-4	ENDRIN ALDEHYDE	.01U
(100P)	76-44-8	HEPTACHLOR	.005U
(101P)	1024-57-3	HEPTACHLOR EPOXIDE	.005U
(102P)	319-84-6	ALPHA-BHC	.005U
(103P)	319-85-7	BETA-BHC	.005U
(104P)	319-86-8	DELTA-BHC	.005U
(105P)	58-89-9	GAMMA-BHC (LINDANE)	.005U
106P	53469-21-9	PCB-1242	.05U
107P	11097-69-1	PCB-1254	.1U
108P	11104-28-2	PCB-1221	.1U
109P	11141-16-5	PCB-1232	.05U
110P	12672-29-6	PCB-1248	.1U
111P	11096-82-5	PCB-1260	.1U
112P	12674-11-2	PCB-1016	.2U
113P	8001-35-2	TOXAPHENE	.05U

IL-0219-08

ecology and environment, inc.

223 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60606, TEL. 312-663-9415

International Specialists in the Environmental Sciences

Date Received for Review: 9/21/84 Date Review Completed: 9/28/84

To: RON ST. JOHN

From: Cynthia Bachunas

Subject: LOVES PARK
ROS-8303-01D (ILLINOIS)

Sample Description: CASE 3140 - LOW WATER ORGANICS

Project Data Status: STILL AWAITING METALS & CYANIDE

FIT Data Review Findings:

- FIELD BLANK CONTAINS 7.5 ppb ACETONE

SEE ATTACHED CRL REVIEW FOR COMMENTS

Additional Comments:

recycled paper

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE 9/19/84

RECEIVED SEP 21 1984

SUBJECT Review of Region V CLP Data
Received for Review on 9/14/84

FROM Curtis Ross, Director
Central Regional Laboratory Chuck Eldy

TO Data User: FIT

We have reviewed the data for the following case(s).

SITE NAME Loves Park SMO Case No. 3140

EPA Data Set No. SF638 No. of Samples 6 D.U./Activity Numbers Y405 1C48500

CRL No. 84M509570 To 84M509R12

SMO Traffic No. E8327 to E8332

Contract Laboratory: Pedco Hours Required for Review: 8

Following are our findings.

WATER SURROGATE % RECOVERY - SEE ATTACHMENT 1

SEMI-VOLATILES

SAMPLE	Compounds	
BLANK	D_5 - Nitrobenzene	OUTSIDE OF QC LIMITS.
	D_{14} - p-Terphenyl	" " " "
E8327	D_5 - Nitrobenzene	" " " "
E8329	D_5 - Nitrobenzene	" " " "
E8330	D_{14} - p-Terphenyl	" " " "
E8330MS	D_5 - Nitrobenzene	" " " "

CONT. ON NEXT PAGE

( ) Data are acceptable for use.
(X) Data are acceptable for use with qualifications noted above. 9-18-84
( ) Data are preliminary - pending verification by Contractor Laboratory.
( ) Data are unacceptable.

cc: Dr. Alfred Haeberer/Joan Fisk/Gary Ward, EPA Support Services
Ross K. Robeson, EMSL-Las Vegas
Robert Pritchard, CLP/SMO

EPA FORM 1320-6 (REV 3-76)

CASE 3140 CONT.

WATER SURROGATE % RECOVERY. CONT.

PESTICIDES

RECEIVED SEP 21 1984

SAMPLE	Compound	
BLANK	DibutylChlorendate	OUTSIDE OF QC LIMITS
E8328	"	" " " "
E8330	"	" " " "
E8332	"	" " " "

MATRIX SPIKE DUPLICATE / RECOVERY. SEE ATTACHMENT 2

FRACTION	SAMPLE	Compound	STATISTIC	
B/N	E8327 MS+MSD	Di-N-Butyl-phthalate	% REC	OUTSIDE OF QC LIMITS
B/N	E8227MS	PYRENE	% REC	" " " "

FORM III

WATER SURROGATE PERCENT RECOVERY SUMMARY

CASE NO. 3140
LOW LEVEL ✓
WATER ✓
QC REPORT NO.

CONTRACTOR PEDCo Environmental
MED. LEVEL

CONTRACT NO. 68-01-6779
HIGH LEVEL
OTHER (Specify)

ATTACHMENT 1

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

SMO Traffic Report No.	D_8 Toluene (86-119)	BFB (85-121)	D_4-1,2-Dichloroethane (77-120)	D_5-Nitrobenzene (41-120)	2-Fluorobiphenyl (44-119)	D_{14}-p-Terphenyl (33-128)	D_5-Phenol (15-96)	2-Fluorophenol (23-107)	2,4,6-Tribromophenol (20-105)	Dibutylchlorendate (~~67-114~~)**	1,2,3,4-TCDD (23-148)
BLANK	100	100	95	40*	70	132*	24	62	22	145*	
E8327	106	112	86	24*	54	62	26	66	46	90	
E8328	105	109	88	46	84	102	26	70	40	115*	
E8324	103	110	89	34*	62	88	18	54	38	98	
E8330	104	111	89	42	62	10*	28	80	38	10*	
E8331	102	110	90	44	84	104	26	70	44	114	
E8332	105	112	93	46	80	128	26	72	22	125*	
E8329MS	103	107	86	38*	74	124	32	88	48		
E8329MSD	103	100	85	52	92	94	34	70	48		

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

RECEIVED SEP 21 1984

Comments:

Dioxins: out of outside of QC limits
Volatiles: 0 out of 27; outside of QC limits
Semi-Volitales: 6 out of 54; outside of QC limits
Pesticides: 0 out of 2 ; outside of QC limits

FORM V

MATRIX SPIKE DUPLICATE/RECOVERY

CASE NO. 3140
LOW LEVEL ✓
WATER ✓
QC REPORT NO.

CONTRACTOR PEDCo Environmental
MED. LEVEL
SOIL/SED.

CONTRACT NO. 63-01-6779
HIGH LEVEL
OTHER (Specify)
UNITS (Circle) ug/kg ug/L

ATTACHMENT 2

FRACTION	COMPOUND	CONC. SPIKE ADDED	CONC. MS	% REC.	CONC. MSD	% REC	RPD	QC %RECOVERY LIMITS* RPD	WATER	SOIL	COMMENTS
VOA SMO # E8329	1,1-Dichloroethylene	49.9	56.5	113.2	53.1	106.4	6.2	<15%	61-145	59-177	
	Trichloroethylene	55.4	63.4	114.4	60.9	109.9	4.0	<15%	71-120	62-137	
	Chlorobenzene	42.3	49.2	116.3	49.5	117.0	0.6	<15%	75-130	60-133	
	Toluene	42.1	46.6	110.7	44.3	105.2	5.1	<15%	76-125	59-139	
	Benzene	41.7	47.1	112.9	44.9	107.7	4.6	<15%	76-127	66-142	
B/N SMO # E8327	1,2,4-Trichlorobenzene	51.7	32.6	63	44.6	86	27	<50%	39- 98	38-107	
	Acenaphthene	50.3	33.6	67	39.4	78	15	<50%	46-118	31-137	
	2,4-Dinitrotoluene	52.2	22.8	44	24.6	47	7	<50%	24- 96	28- 89	
	Di-N-Butylphthalate	69.5	5.2	7*	5.2	7*	0	<50%	11-117	29-135	
	Pyrene	65.0	95.8	147*	78.	120	20	<50%	26-127	35-142	
	N-Nitrosodi-N-Propylamine	56.0	27.8	50	36.2	65	26	<50%	41-116	41-126	
	1,4-Dichlorobenzene	60.7	30.2	50	39.0	64	25	<50%	36- 97	28-104	
ACID SMO # E8327	Pentachlorophenol	101.2	59.0	58	57.6	57	2	<40%	9-103	17-109	
	Phenol	103.8	60.4	58	70.4	68	16	<40%	12- 89	26- 90	
	2-Chlorophenol	110.4	88.6	80	75.4	68	16	<40%	27-123	25-102	
	P-Chlor-M-Cresol	100.8	55.0	55	54.6	54	2	<40%	23- 97	26-103	
	4-Nitrophenol	100.8	52.0	52	44.0	44	17	<40%	10- 80	11-114	
PEST SMO # E8329	Lindane	13.0	11.7	90.0	11.6	89.2	0.8	<40%	56-123	46-127	
	Heptachlor	13.2	9.97	75.7	9.91	75.1	0.6	<40%	40-131	35-130	
	Aldrin	10.7	9.33	87.2	9.20	86.0	1.2	<40%	40-120	34-132	
	Dieldrin	10.0	9.28	92.8	9.22	82.2	0.6	<40%	52-126	31-134	
	Endrin	10.7	9.47	93.2	9.55	88.8	3.9	<40%	56-121	42-139	
	p,p-DDT	90	8.44	93.8	8.31	92.3	1.5	<40%	38-127	23-134	

*Asterisked values are outside QC limits.

RECEIVED SEP 21 1984

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

RECOVERY:
VOAs 0 out of 10; outside of QC limits
B/N 3 out of 14; outside of QC limits
ACID 0 out of 10; outside of QC limits
PEST 0 out of 12; outside of QC limits

*Advisory Limits
Revised 12/83

I62

USEPA-SAMPLE MANAGEMENT OFFICE
PO BOX 818 ALEXANDRIA,VA 22313

RECEIVED ... 2 1 1984

84MS09571

SAMPLE NO.
E8328

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME PEDCO ENV.
LAB SAMPLE ID NO. DR957
SAMPLE MATRIX WATER
DATA RELEASE AUTHORIZED

CASE NO: 3140
QC REPORT NO.
CONTRACT NO. 68-01-6779
DATE SAMPLE RECEIVED 8/16/84

VOLATILES

CONCENTRATION LOW
DATE PREPARED 8/17/84
DATE ANALYZED 8/17/84
PER CENT MOISTURE N/A
CONCENTRATION/DIL. FACTOR-----5ML

PP#	CAS#		UG/L
(2U)	107-02-8	ACROLEIN	100U
(3U)	107-13-1	ACRYLONITRILE	100U
(4U)	71-43-2	BENZENE	5U
(6U)	56-23-2	CARBON TETRACHLORIDE	5U
(7U)	108-90-7	CLOROBENZENE	5U
(10U)	107-06-2	1,2-DICHLOROETHANE	5U
(11U)	71-55-6	1,1,1-TRICHLOROETHANE	5U
(13U)	75-34-3	1,1-DICHLOROETHANE	5U
(14U)	79-00-5	1,1,2-TRICHLOROETHANE	5U
(15U)	79-34-5	1,1,2,2-TETRACHLOROETHANE	10U
(16U)	75-00-3	CHLOROETHANE	10U
(19U)	110-75-8	2-CHLOROETHYLVINYLETHER	10U
(23U)	67-66-3	CHLOROFORM	5U
(29U)	75-35-4	1,1-DICHLOROETHENE	5U
(30U)	156-60-5	TRANS-1,2-DICHLOROETHENE	5U
(32U)	78-87-5	1,2-DICHLOROPROPANE	10U
(33U)	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5U
	10061-01-5	CIS-1,3-DICHLOROPROPENE	5U
(38U)	100-41-4	ETHYLBENZENE	5U
(44U)	75-09-2	METHYLENE CHLORIDE	5UC
(45U)	74-87-3	CHLOROMETHANE	10U
(46U)	74-83-9	BROMOMETHANE	10U
(47U)	75-25-2	BROMOFORM	10U
(48U)	75-27-4	BROMODICHLOROMETHANE	5U
(49U)	75-69-4	FLUOROTRICHLOROMETHANE	5U
(50U)	75-71-8	DICHLORODIFLUOROMETHANE	NA
(51U)	124-48-1	CHLORODIBROMOMETHANE	5U
(85U)	127-18-4	TETRACHLOROETHENE	5U
(86U)	108-88-3	TOLUENE	5U
(87U)	79-01-6	TRICHLOROETHENE	5U
(88U)	75-01-4	VINYL CHLORIDE	10U
	67-64-1	ACETONE	5U
	78-93-3	2-BUTANONE	5U
	75-15-0	CARBON DISULFIDE	1U
	519-78-6	2-HEXANONE	5U
	108-10-1	4-METHYL-2-PENTANONE	5U
	100-42-5	STYRENE	5U
	108-05-4	VINYL ACETATE	5U
	1330-20-7	TOTAL XYLENES	5U

PESTICIDES

CONCENTRATION LOW
DATE EXTRACTED 8/16/84
DATE ANALYZED 9/5/84
PERCENT MOISTURE N/A
CONCENTRATION/DIL. FACTOR-----10

PP#	CAS#		UG/L
(89P)	309-00-2	ALDRIN	.005U
(90P)	60-57-1	DIELDRIN	.005U
(91P)	57-74-9	CHLORDANE	.05U
(92P)	50-29-3	4,4'DDT	.01U
(93P)	72-55-9	4,4'DDE	.005U
(94P)	72-54-8	4,4'DDD	.1U
(95P)	115-29-7	ALPHA-ENDOSULFAN	.005U
(96P)	115-29-7	BETA-ENDOSULFAN	.005U
(97P)	1031-07-8	ENDOSULFAN SULFATE	.01U
(98P)	72-20-8	ENDRIN	.005U
(99P)	7421-93-4	ENDRIN ALDEHYDE	.01U
(100P)	76-44-8	HEPTACHLOR	.005U
(101P)	1024-57-3	HEPTACHLOR EPOXIDE	.005U
(102P)	319-84-6	ALPHA-BHC	.005U
(103P)	319-85-7	BETA-BHC	.005U
(104P)	319-86-8	DELTA-BHC	.005U
(105P)	58-89-9	GAMMA-BHC (LINDANE)	.005U
106P	53469-21-9	PCB-1242	.05U
107P	11097-69-1	PCB-1254	.1U
108P	11104-28-2	PCB-1221	.1U
109P	11141-16-5	PCB-1232	.05U
110P	12672-29-6	PCB-1248	.1U
111P	11096-82-5	PCB-1260	.1U
112P	12674-11-2	PCB-1016	.2U
113P	8001-35-2	TOXAPHENE	.05U

00149

USEPA-SAMPLE MANAGEMENT OFFICE
PO BOX 818 ALEXANDRIA,VA 22313

SAMPLE NO.
E8328

RECEIVED SEP 21 1984

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME PEDCO ENV.
LAB SAMPLE ID NO. DR957
SAMPLE MATRIX WATER
DATA RELEASE AUTHORIZED

CASE NO: 3140
QC REPORT NO.
CONTRACT NO. 68-01-6779
DATE SAMPLE RECEIVED 8/16/84

SEMIVOLATILE COMPOUNDS

CONCENTRATION LOW
DATE EXTRACTED 8/16/84
DATE ANALYZED 9/11/84
PER CENT MOISTURE N/A
CONCENTRATION/DIL. FACTOR-----500

PP#	CAS#		UG/L
(21A)	88-06-2	2,4,6-TRICHLOROPHENOL	10U
(22A)	59-50-7	P-CHLORO-M-CRESOL	10U
(24A)	95-57-8	2-CHLOROPHENOL	10U
(31A)	120-83-2	2,4-DICHLOROPHENOL	10U
(34A)	105-67-9	2,4-DIMETHYLPHENOL	10U
(57A)	88-75-5	2-NITROPHENOL	20U
(58A)	100-02-7	4-NITROPHENOL	50U
(59A)	51-28-5	2,4-DINITROPHENOL	50U
(60A)	534-52-1	4,6-DINITRO-O-CRESOL	20U
(64A)	87-86-5	PENTACHLOROPHENOL	10U
(65A)	108-95-2	PHENOL	10U
	65-85-0	BENZOIC ACID	100U
	95-48-7	2-METHYLPHENOL	5U
	108-39-4	4-METHYLPHENOL	5U
	95-95-4	2,4,5-TRICHLOROPHENOL	100U
(1B)	83-32-9	ACENAPTHENE	10U
(5B)	92-87-5	BENZIDINE	40U
(8B)	120-82-1	1,2,4-TRICHLOROBENZENE	10U
(9B)	118-74-1	HEXACHLOROBENZENE	10U
(12B)	67-72-1	HEXACHLOROETHANE	10U
(18B)	111-44-4	BIS(2-CHLOROETHYL)ETHER	10U
(20B)	91-58-7	2-CHLORONAPTHALENE	10U
(25B)	95-50-1	1,2-DICHLOROBENZENE	10U
(26B)	541-73-1	1,3-DICHLOROBENZENE	10U
(27B)	106-46-7	1,4-DICHLOROBENZENE	10U
(28B)	91-94-1	3,3'-DICHLOROBENZIDINE	20U
(35B)	121-14-2	2,4-DINITROTOLUENE	20U
(36B)	606-20-2	2,6-DINITROTOLUENE	20U
(37B)	122-66-7	1,2-DIPHENYLHYDRAZINE	20U
(39B)	206-44-0	FLUORANTHENE	10U
(40B)	7005-72-3	4-CHLOROPHENYLPHENYLETHER	10U
(41B)	101-55-3	4-BROMPHENYLPHENYLETHER	10U
(42B)	39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	20U
(43B)	111-91-1	BIS(2-CHLORETHOXY)METHANE	20U

PP#	CAS#		UG/L
(52B)	87-68-3	HEXACHLOROBUTADIENE	10U
(53B)	77-47-4	HEXACHLOROCYCLOPENTADIENE	10U
(54B)	78-59-1	ISOPHORONE	10U
(55B)	91-20-3	NAPTHALENE	10U
(56B)	98-95-3	NITROBENZENE	10U
(62B)	86-30-6	N-NITROSODIPHENYLAMINE	10U
(63B)	621-64-7	N-NITROSODIPROPYLAMINE	10U
(66B)	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10U
(67B)	85-68-7	BENZYLBUTYL PHTHALATE	10U
(68B)	84-74-2	DI-N-BUTYL PHTHALATE	10U
(69B)	117-84-0	DI-N-OCTYL PHTHALATE	10U
(70B)	84-66-2	DIETHYL PHTHALATE	10U
(71B)	131-11-3	DIMETHYL PHTHALATE	10U
(72B)	56-55-3	BENZO(A)ANTHRACENE	10U
(73B)	50-32-8	BENZO(A)PYRENE	20U
(74B)	205-99-2	BENZO(B)FLUORANTHENE AND/	20U
(75B)	207-08-9	BENZO(K)FLUORANTHENE OR	20U
(76B)	218-01-9	CHRYSENE	20U
(77B)	208-96-8	ACENAPTHYLENE	10U
(78B)	120-12-7	ANTHRACENE	10U
(79B)	191-24-2	BENZO(GHI)PERYLENE	20U
(80B)	86-73-7	FLUORENE	10U
(81B)	85-01-8	PHENANTHRENE	10U
(82B)	53-70-3	DIBENZO(AH)ANTHRACENE	20U
(83B)	193-39-5	INDENO(123-CD)PYRENE	20U
(84B)	129-00-0	PYRENE	10U
	62-53-3	ANILINE	5U
	100-51-6	BENZYL ALCOHOL	20U
	106-47-8	4-CHLOROANILINE	50U
	132-64-9	DIBENZOFURAN	10U
	91-57-6	2-METHYLNAPTHALENE	20U
	88-74-4	2-NITROANILINE	100U
	99-09-2	3-NITROANILINE	100U
	100-01-6	4-NITROANILINE	100U

RECEIVED SEP 2 1 1984

ORGANICS ANALYSIS DATA SHEET - Page 3

Sample Number: E8328

Laboratory Name: PEDCO ENVIRONMENTAL

Case No: 3140

QC Report No:

00051

B. Tentatively Identified Compounds

	CAS #	Compound Name	Fraction	Scan No. or Retention Time	% Maximum Score Attained Max Matching Reverse: (Specify: Purity)	Estimated Concentration (ug/l or ug/kg)
1.		None	VOA			
2.						
3.		Acid	BNA	935		230
4.		Unknown		1186		20
5.		Acid		1194		30
6.		Unknown		1310		400
7.		"		1377		70
8.		"		1631		20
9.		"		1750		110
10.		"		1783		15
11.		"		1925		10
12.						
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						
21.						
22.						
23.						
24.						
25.						
26.						
27.						
28.						
29.						
30.						

6/82

I62

USEPA-SAMPLE MANAGEMENT OFFICE
PO BOX 818 ALEXANDRIA,VA 22313

RECEIVED SEP 21 1984

84MS075 70

SAMPLE NO.
E8327

00909

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME PEDCO ENV.
LAB SAMPLE ID NO. DR956
SAMPLE MATRIX WATER
DATA RELEASE AUTHORIZED

CASE NO: 3140
QC REPORT NO.
CONTRACT NO. 68-01-6779
DATE SAMPLE RECEIVED 8/16/84

VOLATILES

CONCENTRATION LOW
DATE PREPARED 8/17/84
DATE ANALYZED 8/17/84
PER CENT MOISTURE N/A
CONCENTRATION/DIL. FACTOR-----5ML

PP#	CAS#		UG/L
(2V)	107-02-8	ACROLEIN	100U
(3V)	107-13-1	ACRYLONITRILE	100U
(4V)	71-43-2	BENZENE	5U
(6V)	56-23-2	CARBON TETRACHLORIDE	5U
(7V)	108-90-7	CLOROBENZENE	5U
(10V)	107-06-2	1,2-DICHLOROETHANE	5U
(11V)	71-55-6	1,1,1-TRICHLOROETHANE	5U
(13V)	75-34-3	1,1-DICHLOROETHANE	5U
(14V)	79-00-5	1,1,2-TRICHLOROETHANE	5U
(15V)	79-34-5	1,1,2,2-TETRACHLOROETHANE	10U
(16V)	75-00-3	CHLOROETHANE	10U
(19V)	110-75-8	2-CHLOROETHYLVINYLETHER	10U
(23V)	67-66-3	CHLOROFORM	5U
(29V)	75-35-4	1,1-DICHLOROETHENE	5U
(30V)	156-60-5	TRANS-1,2-DICHLOROETHENE	5U
(32V)	78-87-5	1,2-DICHLOROPROPANE	10U
(33V)	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5U
	10061-01-5	CIS-1,3-DICHLOROPROPENE	5U
(38V)	100-41-4	ETHYLBENZENE	5U
(44V)	75-09-2	METHYLENE CHLORIDE	5UC
(45V)	74-87-3	CHLOROMETHANE	10U
(46V)	74-83-9	BROMOMETHANE	10U
(47V)	75-25-2	BROMOFORM	10U
(48V)	75-27-4	BROMODICHLOROMETHANE	5U
(49V)	75-69-4	FLUOROTRICHLOROMETHANE	5U
(50V)	75-71-8	DICHLORODIFLUOROMETHANE	NA
(51V)	124-48-1	CHLORODIBROMOMETHANE	5U
(85V)	127-18-4	TETRACHLOROETHENE	5U
(86V)	108-88-3	TOLUENE	5U
(87V)	79-01-6	TRICHLOROETHENE	5U
(88V)	75-01-4	VINYL CHLORIDE	10U
	67-64-1	ACETONE	5U
	78-93-3	2-BUTANONE	5U
	75-15-0	CARBON DISULFIDE	1U
	519-78-6	2-HEXANONE	5U
	108-10-1	4-METHYL-2-PENTANONE	5U
	100-42-5	STYRENE	5U
	108-05-4	VINYL ACETATE	5U
	1330-20-7	TOTAL XYLENES	5U

PESTICIDES

CONCENTRATION LOW
DATE EXTRACTED 8/16/84
DATE ANALYZED 9/5/84
PERCENT MOISTURE N/A
CONCENTRATION/DIL. FACTOR-----10

PP#	CAS#		UG/L
(89P)	309-00-2	ALDRIN	.005U
(90P)	60-57-1	DIELDRIN	.005U
(91P)	57-74-9	CHLORDANE	.05U
(92P)	50-29-3	4,4'DDT	.01U
(93P)	72-55-9	4,4'DDE	.005U
(94P)	72-54-8	4,4'DDD	.1U
(95P)	115-29-7	ALPHA-ENDOSULFAN	.005U
(96P)	115-29-7	BETA-ENDOSULFAN	.005U
(97P)	1031-07-8	ENDOSULFAN SULFATE	.01U
(98P)	72-20-8	ENDRIN	.005U
(99P)	7421-93-4	ENDRIN ALDEHYDE	.01U
(100P)	76-44-8	HEPTACHLOR	.005U
(101P)	1024-57-3	HEPTACHLOR EPOXIDE	.005U
(102P)	319-84-6	ALPHA-BHC	.005U
(103P)	319-85-7	BETA-BHC	.005U
(104P)	319-86-8	DELTA-BHC	.005U
(105P)	58-89-9	GAMMA-BHC (LINDANE)	.005U
106P	53469-21-9	PCB-1242	.05U
107P	11097-69-1	PCB-1254	.1U
108P	11104-28-2	PCB-1221	.1U
109P	11141-16-5	PCB-1232	.05U
110P	12672-29-6	PCB-1248	.1U
111P	11096-82-5	PCB-1260	.1U
112P	12674-11-2	PCB-1016	.2U
113P	8001-35-2	TOXAPHENE	.05U

USEPA-SAMPLE MANAGEMENT OFFICE
PO BOX 818 ALEXANDRIA,VA 22313

SAMPLE NO.
E8327

DOC 10

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME PEDCO ENV.
LAB SAMPLE ID NO. DR956
SAMPLE MATRIX WATER
DATA RELEASE AUTHORIZED

CASE NO: 3140
QC REPORT NO.
CONTRACT NO. 68-01-6779
DATE SAMPLE RECEIVED 8/16/84

SEMIVOLATILE COMPOUNDS

RECEIVED SEP 21 1984

CONCENTRATION LOW
DATE EXTRACTED 8/16/84
DATE ANALYZED 9/11/84
PER CENT MOISTURE N/A
CONCENTRATION/DIL. FACTOR-----500

PP#	CAS#		UG/L
(21A)	88-06-2	2,4,6-TRICHLOROPHENOL	10U
(22A)	59-50-7	P-CHLORO-M-CRESOL	10U
(24A)	95-57-8	2-CHLOROPHENOL	10U
(31A)	120-83-2	2,4-DICHLOROPHENOL	10U
(34A)	105-67-9	2,4-DIMETHYLPHENOL	10U
(57A)	88-75-5	2-NITROPHENOL	20U
(58A)	100-02-7	4-NITROPHENOL	50U
(59A)	51-28-5	2,4-DINITROPHENOL	50U
(60A)	534-52-1	4,6-DINITRO-O-CRESOL	20U
(64A)	87-86-5	PENTACHLOROPHENOL	10U
(65A)	108-95-2	PHENOL	10U
	65-85-0	BENZOIC ACID	100U
	95-48-7	2-METHYLPHENOL	5U
	108-39-4	4-METHYLPHENOL	5U
	95-95-4	2,4,5-TRICHLOROPHENOL	100U
(1B)	83-32-9	ACENAPTHENE	10U
(5B)	92-87-5	BENZIDINE	40U
(8B)	120-82-1	1,2,4-TRICHLOROBENZENE	10U
(9B)	118-74-1	HEXACHLOROBENZENE	10U
(12B)	67-72-1	HEXACHLOROETHANE	10U
(18B)	111-44-4	BIS(2-CHLOROETHYL)ETHER	10U
(20B)	91-58-7	2-CHLORONAPTHALENE	10U
(25B)	95-50-1	1,2-DICHLOROBENZENE	10U
(26B)	541-73-1	1,3-DICHLOROBENZENE	10U
(27B)	106-46-7	1,4-DICHLOROBENZENE	10U
(28B)	91-94-1	3,3'-DICHLOROBENZIDINE	20U
(35B)	121-14-2	2,4-DINITROTOLUENE	20U
(36B)	606-20-2	2,6-DINITROTOLUENE	20U
(37B)	122-66-7	1,2-DIPHENYLHYDRAZINE	20U
(39B)	206-44-0	FLUORANTHENE	10U
(40B)	7005-72-3	4-CHLOROPHENYLPHENYLETHER	10U
(41B)	101-55-3	4-BROMPHENYLPHENYLETHER	10U
(42B)	39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	20U
(43B)	111-91-1	BIS(2-CHLORETHOXY)METHANE	20U

PP#	CAS#		UG/L
(52B)	87-68-3	HEXACHLOROBUTADIENE	10U
(53B)	77-47-4	HEXACHLOROCYCLOPENTADIENE	10U
(54B)	78-59-1	ISOPHORONE	10U
(55B)	91-20-3	NAPTHALENE	10U
(56B)	98-95-3	NITROBENZENE	10U
(62B)	86-30-6	N-NITROSODIPHENYLAMINE	10U
(63B)	621-64-7	N-NITROSODIPROPYLAMINE	10U
(66B)	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	13.4
(67B)	85-68-7	BENZYLBUTYL PHTHALATE	10U
(68B)	84-74-2	DI-N-BUTYL PHTHALATE	5.6K
(69B)	117-84-0	DI-N-OCTYL PHTHALATE	10U
(70B)	84-66-2	DIETHYL PHTHALATE	10U
(71B)	131-11-3	DIMETHYL PHTHALATE	10U
(72B)	56-55-3	BENZO(A)ANTHRACENE	10U
(73B)	50-32-8	BENZO(A)PYRENE	20U
(74B)	205-99-2	BENZO(B)FLUORANTHENE AND/	20U
(75B)	207-08-9	BENZO(K)FLUORANTHENE OR	20U
(76B)	218-01-9	CHRYSENE	20U
(77B)	208-96-8	ACENAPTHYLENE	10U
(78B)	120-12-7	ANTHRACENE	10U
(79B)	191-24-2	BENZO(GHI)PERYLENE	20U
(80B)	86-73-7	FLUORENE	10U
(81B)	85-01-8	PHENANTHRENE	10U
(82B)	53-70-3	DIBENZO(AH)ANTHRACENE	20U
(83B)	193-39-5	INDENO(123-CD)PYRENE	20U
(84B)	129-00-0	PYRENE	10U
	62-53-3	ANILINE	5U
	100-51-6	BENZYL ALCOHOL	20U
	106-47-8	4-CHLOROANILINE	50U
	132-64-9	DIBENZOFURAN	10U
	91-57-6	2-METHYLNAPTHALENE	20U
	88-74-4	2-NITROANILINE	100U
	99-09-2	3-NITROANILINE	100U
	100-01-6	4-NITROANILINE	100U

RECEIVED SEP 21 1984

ORGANICS ANALYSIS DATA SHEET - Page 3

Sample Number: E7327

Laboratory Name: PEDCO ENVIRONMENTAL

Case No: 9140

QC Report No:

00011

B. Tentatively Identified Compounds

	CAS #	Compound Name	Fraction	Scan No. or Retention Time	B. Maximum Score Attained Mass Matching Review: (Specify: Purity)	Estimated Concentration (ug/L or ug/kg)
1.		NONE	VOA			
2.						
3.		UNKNOWN	~~BNA~~	777		40
4.		"		926		250
5.		"		936		250
6.		"		1186		30
7.		"		1263		10
8.		Acid		1321		50
9.		UNKNOWN		922		10
10.		"		1748		10
11.		PHTHALATE		1724		10
12.		UNKNOWN		1630		30
13.		UNKNOWN		1598		100
14.		PAH		1525		15
15.		UNKNOWN		1527		15
16.		"		1424		20
17.		"		1384		150
18.						
19.						
20.						
21.						
22.						
23.						
24.						
25.						
26.						
27.						
28.						
29.						
30.						

6/82

84MS09572

USEPA-SAMPLE MANAGEMENT OFFICE
PO BOX 818 ALEXANDRIA,VA 22313

RECEIVED SEP 21 1984

SAMPLE NO.
E8329

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME PEDCO ENV.
LAB SAMPLE ID NO DR958
SAMPLE MATRIX WATER
DATA RELEASE AUTHORIZED

CASE NO: 3140
QC REPORT NO.
CONTRACT NO. 68-01-6779
DATE SAMPLE RECEIVED 8/16/84

SEMIVOLATILE COMPOUNDS

CONCENTRATION LOW
DATE EXTRACTED 8/16/84
DATE ANALYZED 9/11/84
PER CENT MOISTURE N/A
CONCENTRATION/DIL. FACTOR-----500

PP#	CAS#		UG/L
(21A)	88-06-2	2,4,6-TRICHLOROPHENOL	10U
(22A)	59-50-7	P-CHLORO-M-CRESOL	10U
(24A)	95-57-8	2-CHLOROPHENOL	10U
(31A)	120-83-2	2,4-DICHLOROPHENOL	10U
(34A)	105-67-9	2,4-DIMETHYLPHENOL	10U
(57A)	88-75-5	2-NITROPHENOL	20U
(58A)	100-02-7	4-NITROPHENOL	50U
(59A)	51-28-5	2,4-DINITROPHENOL	50U
(60A)	534-52-1	4,6-DINITRO-O-CRESOL	20U
(64A)	87-86-5	PENTACHLOROPHENOL	10U
(65A)	108-95-2	PHENOL	10U
	65-85-0	BENZOIC ACID	100U
	95-48-7	2-METHYLPHENO	5U
	108-39-4	4-METHYLPHENOL	5U
	95-95-4	2,4,5-TRICHLOROPHENOL	100U
(1B)	83-32-9	ACENAPTHENE	10U
(5B)	92-87-5	BENZIDINE	40U
(8B)	120-82-1	1,2,4-TRICHLOROBENZENE	10U
(9B)	118-74-1	HEXACHLOROBENZENE	10U
(12B)	67-72-1	HEXACHLOROETHANE	10U
(18B)	111-44-4	BIS(2-CHLOROETHYL)ETHER	10U
(20B)	91-58-7	2-CHLORONAPTHALENE	10U
(25B)	95-50-1	1,2-DICHLOROBENZENE	10U
(26B)	541-73-1	1,3-DICHLOROBENZENE	10U
(27B)	106-46-7	1,4-DICHLOROBENZENE	10U
(28B)	91-94-1	3,3'-DICHLOROBENZIDINE	20U
(35B)	121-14-2	2,4-DINITROTOLUENE	20U
(36B)	606-20-2	2,6-DINITROTOLUENE	20U
(37B)	122-66-7	1,2-DIPHENYLHYDRAZINE	20U
(39B)	206-44-0	FLUORANTHENE	10U
(40B)	7005-72-3	4-CHLOROPHENYLPHENYLETHER	10U
(41B)	101-55-3	4-BROMPHENYLPHENYLETHER	10U
(42B)	39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	20U
(43B)	111-91-1	BIS(2-CHLORETHOXY)METHANE	20U
(52B)	87-68-3	HEXACHLOROBUTADIENE	10U
(53B)	77-47-4	HEXACHLOROCYCLOPENTADIENE	10U
(54B)	78-59-1	ISOPHORONE	10U
(55B)	91-20-3	NAPTHALENE	10U
(56B)	98-95-3	NITROBENZENE	10U
(62B)	86-30-6	N-NITROSODIPHENYLAMINE	10U
(63B)	621-64-7	N-NITROSODIPROPYLAMINE	10U
(66B)	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10U
(67B)	85-68-7	BENZYLBUTYL PHTHALATE	10U
(68B)	84-74-2	DI-N-BUTYL PHTHALATE	10U
(69B)	117-84-0	DI-N-OCTYL PHTHALATE	10U
(70B)	84-66-2	DIETHYL PHTHALATE	10U
(71B)	131-11-3	DIMETHYL PHTHALATE	10U
(72B)	56-55-3	BENZO(A)ANTHRACENE	10U
(73B)	50-32-8	BENZO(A)PYRENE	20U
(74B)	205-99-2	BENZO(B)FLUORANTHENE AND/	20U
(75B)	207-08-9	BENZO(K)FLUORANTHENE OR	20U
(76B)	218-01-9	CHRYSENE	20U
(77B)	208-96-8	ACENAPTHYLENE	10U
(78B)	120-12-7	ANTHRACENE	10U
(79B)	191-24-2	BENZO(GHI)PERYLENE	20U
(80B)	86-73-7	FLUORENE	10U
(81B)	85-01-8	PHENANTHRENE	10U
(82B)	53-70-3	DIBENZO(AH)ANTHRACENE	20U
(83B)	193-39-5	INDENO(123-CD)PYRENE	20U
(84B)	129-00-0	PYRENE	10U
	62-53-3	ANILINE	5U
	100-51-6	BENZYL ALCOHOL	20U
	106-47-8	4-CHLOROANILINE	50U
	132-64-9	DIBENZOFURAN	10U
	91-57-6	2-METHYLNAPTHALENE	20U
	88-74-4	2-NITROANILINE	100U
	99-09-2	3-NITROANILINE	100U
	100-01-6	4-NITROANILINE	100U

I62

USEPA-SAMPLE MANAGEMENT OFFICE
PO BOX 818 ALEXANDRIA,VA 22313

RECEIVED SEP 2 1 1984

SAMPLE NO.
E8329

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME PEDCO ENV.
LAB SAMPLE ID NO DR958
SAMPLE MATRIX WATER
DATA RELEASE AUTHORIZED

CASE NO: 3140
QC REPORT NO.
CONTRACT NO. 68-01-6779
DATE SAMPLE RECEIVED 8/16/84

VOLATILES

CONCENTRATION LOW
DATE PREPARED 8/17/84
DATE ANALYZED 8/17/84
PER CENT MOISTURE N/A
CONCENTRATION/DIL. FACTOR-----5ML

PP#	CAS#		UG/L
(2V)	107-02-8	ACROLEIN	100U
(3V)	107-13-1	ACRYLONITRILE	100U
(4V)	71-43-2	BENZENE	5U
(6V)	56-23-2	CARBON TETRACHLORIDE	5U
(7V)	108-90-7	CLOROBENZENE	5U
(10V)	107-06-2	1,2-DICHLOROETHANE	5U
(11V)	71-55-6	1,1,1-TRICHLOROETHANE	5U
(13V)	75-34-3	1,1-DICHLOROETHANE	5U
(14V)	79-00-5	1,1,2-TRICHLOROETHANE	5U
(15V)	79-34-5	1,1,2,2-TETRACHLOROETHANE	10U
(16V)	75-00-3	CHLOROETHANE	10U
(19V)	110-75-8	2-CHLOROETHYLVINYLETHER	10U
(23V)	67-66-3	CHLOROFORM	5U
(29V)	75-35-4	1,1-DICHLOROETHENE	5U
(30V)	156-60-5	TRANS-1,2-DICHLOROETHENE	5U
(32V)	78-87-5	1,2-DICHLOROPROPANE	10U
(33V)	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5U
	10061-01-05	CIS-1,3-DICHLOROPROPENE	5U
(38V)	100-41-4	ETHYLBENZENE	5U
(44V)	75-09-2	METHYLENE CHLORIDE	5UC
(45V)	74-87-3	CHLOROMETHANE	10U
(46V)	74-83-9	BROMOMETHANE	10U
(47V)	75-25-2	BROMOFORM	10U
(48V)	75-27-4	BROMODICHLOROMETHANE	5U
(49V)	75-69-4	FLUOROTRICHLOROMETHANE	5U
(50V)	75-71-8	DICHLORODIFLUOROMETHANE	NA
(51V)	124-48-1	CHLORODIBROMOMETHANE	5U
(85V)	127-18-4	TETRACHLOROETHENE	5U
(86V)	108-88-3	TOLUENE	5U
(87V)	79-01-6	TRICHLOROETHENE	5U
(88V)	75-01-4	VINYL CHLORIDE	10U
	67-64-1	ACETONE	5UC
	78-93-3	2-BUTANONE	5U
	75-15-0	CARBON DISULFIDE	1U
	519-78-6	2-HEXANONE	5U
	108-10-1	4-METHYL-2-PENTANONE	5U
	100-42-5	STYRENE	5U
	108-05-4	VINYL ACETATE	5U
	1330-20-7	TOTAL XYLENES	5U

PESTICIDES

CONCENTRATION LOW
DATE EXTRACTED 8/16/84
DATE ANALYZED 9/5/84
PERCENT MOISTURE N/A
CONCENTRATION/DIL. FACTOR-----10

-0081

PP#	CAS#		UG/L
(89P)	309-00-2	ALDRIN	.005U
(90P)	60-57-1	DIELDRIN	.005U
(91P)	57-74-9	CHLORDANE	.05U
(92P)	50-29-3	4,4'DDT	.01U
(93P)	72-55-9	4,4'DDE	.005U
(94P)	72-54-8	4,4'DDD	.1U
(95P)	115-29-7	ALPHA-ENDOSULFAN	.005U
(96P)	115-29-7	BETA-ENDOSULFAN	.005U
(97P)	1031-07-8	ENDOSULFAN SULFATE	.01U
(98P)	72-20-8	ENDRIN	.005U
(99P)	7421-93-4	ENDRIN ALDEHYDE	.01U
(100P)	76-44-8	HEPTACHLOR	.005U
(101P)	1024-57-3	HEPTACHLOR EPOXIDE	.005U
(102P)	319-84-6	ALPHA-BHC	.005U
(103P)	319-85-7	BETA-BHC	.005U
(104P)	319-86-8	DELTA-BHC	.005U
(105P)	58-89-9	GAMMA-BHC (LINDANE)	.005U
106P	53469-21-9	PCB-1242	.05U
107P	11097-69-1	PCB-1254	.1U
108P	11104-28-2	PCB-1221	.1U
109P	11141-16-5	PCB-1232	.05U
110P	12672-29-6	PCB-1248	.1U
111P	11096-82-5	PCB-1260	.1U
112P	12674-11-2	PCB-1016	.2U
113P	8001-35-2	TOXAPHENE	.05U

RECEIVED SEP 21 1984

ORGANICS ANALYSIS DATA SHEET - Page 3

Sample Number: E-8329

Laboratory Name: PEDCO ENVIRONMENTAL

Case No: 3140

QC Report No:

00082

B. Tentatively Identified Compounds

	CAS #	Compound Name	Fraction	Scan No. or Retention Time	Maximum Score Attained Mass Matching Reverse: Specify: Purity	Estimated Concentration (ug/L or ug/kg)
1.		~~VOA RY~~				
2.		None	VOA			
3.						
4.		UNKNOWN	BNA	1899		3
5.		"		1630		6
6.		ALKYL BENZENE		1597		15
7.		UNKNOWN		1530		50
8.		"		1867		200
9.		"		1929		5
10.		"		1310		200
11.		"		1186		10
12.		Acid		936		200
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						
21.						
22.						
23.						
24.						
25.						
26.						
27.						
28.						
29.						
30.						

84MS01573

USEPA-SAMPLE MANAGEMENT OFFICE
PO BOX 818 ALEXANDRIA,VA 22313

RECEIVED SEP 21 1984

SAMPLE NO.
E8330

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME PEDCO ENV.
LAB SAMPLE ID NO. DR959
SAMPLE MATRIX WATER
DATA RELEASE AUTHORIZED

CASE NO: 3140
QC REPORT NO.
CONTRACT NO. 68-01-6779
DATE SAMPLE RECEIVED 8/16/84

SEMIVOLATILE COMPOUNDS

CONCENTRATION LOW
DATE EXTRACTED 8/16/84
DATE ANALYZED 9/11/84
PER CENT MOISTURE N/A
CONCENTRATION/DIL. FACTOR-----500

PP#	CAS#		UG/L
(21A)	88-06-2	2,4,6-TRICHLOROPHENOL	10U
(22A)	59-50-7	P-CHLORO-M-CRESOL	10U
(24A)	95-57-8	2-CHLOROPHENOL	10U
(31A)	120-83-2	2,4-DICHLOROPHENOL	10U
(34A)	105-67-9	2,4-DIMETHYLPHENOL	10U
(57A)	88-75-5	2-NITROPHENOL	20U
(58A)	100-02-7	4-NITROPHENOL	50U
(59A)	51-28-5	2,4-DINITROPHENOL	50U
(60A)	534-52-1	4,6-DINITRO-O-CRESOL	20U
(64A)	87-86-5	PENTACHLOROPHENOL	10U
(65A)	108-95-2	PHENOL	10U
	65-85-0	BENZOIC ACID	100U
	95-48-7	2-METHYLPHENOL	5U
	108-39-4	4-METHYLPHENOL	5U
	95-95-4	2,4,5-TRICHLOROPHENOL	100U
(1B)	83-32-9	ACENAPTHENE	10U
(5B)	92-87-5	BENZIDINE	40U
(8B)	120-82-1	1,2,4-TRICHLOROBENZENE	10U
(9B)	118-74-1	HEXACHLOROBENZENE	10U
(12B)	67-72-1	HEXACHLOROETHANE	10U
(18B)	111-44-4	BIS(2-CHLOROETHYL)ETHER	10U
(20B)	91-58-7	2-CHLORONAPTHALENE	10U
(25B)	95-50-1	1,2-DICHLOROBENZENE	10U
(26B)	541-73-1	1,3-DICHLOROBENZENE	10U
(27B)	106-46-7	1,4-DICHLOROBENZENE	10U
(28B)	91-94-1	3,3'-DICHLOROBENZIDINE	20U
(35B)	121-14-2	2,4-DINITROTOLUENE	20U
(36B)	606-20-2	2,6-DINITROTOLUENE	20U
(37B)	122-66-7	1,2-DIPHENYLHYDRAZINE	20U
(39B)	206-44-0	FLUORANTHENE	10U
(40B)	7005-72-3	4-CHLOROPHENYLPHENYLETHER	10U
(41B)	101-55-3	4-BROMPHENYLPHENYLETHER	10U
(42B)	39633-32-9	BIS(2-CHLOROISOPROPYL)ETHER	20U
(43B)	111-91-1	BIS(2-CHLORETHOXY)METHANE	20U

PP#	CAS#		UG/L
(52B)	87-68-3	HEXACHLOROBUTADIENE	10U
(53B)	77-47-4	HEXACHLOROCYCLOPENTADIENE	10U
(54B)	78-59-1	ISOPHORONE	10U
(55B)	91-20-3	NAPTHALENE	10U
(56B)	98-95-3	NITROBENZENE	10U
(62B)	86-30-6	N-NITROSODIPHENYLAMINE	10U
(63B)	621-64-7	N-NITROSODIPROPYLAMINE	10U
(66B)	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10U
(67B)	85-68-7	BENZYLBUTYL PHTHALATE	10U
(68B)	84-74-2	DI-N-BUTYL PHTHALATE	10U
(69B)	117-84-0	DI-N-OCTYL PHTHALATE	10U
(70B)	84-66-2	DIETHYL PHTHALATE	10U
(71B)	131-11-3	DIMETHYL PHTHALATE	10U
(72B)	56-55-3	BENZO(A)ANTHRACENE	10U
(73B)	50-32-8	BENZO(A)PYRENE	20U
(74B)	205-99-2	BENZO(B)FLUORANTHENE AND/	20U
(75B)	207-08-9	BENZO(K)FLUORANTHENE OR	20U
(76B)	218-01-9	CHRYSENE	20U
(77B)	208-96-8	ACENAPTHYLENE	10U
(78B)	120-12-7	ANTHRACENE	10U
(79B)	191-24-2	BENZO(GHI)PERYLENE	20U
(80B)	86-73-7	FLUORENE	10U
(81B)	85-01-8	PHENANTHRENE	10U
(82B)	53-70-3	DIBENZO(AH)ANTHRACENE	20U
(83B)	193-39-5	INDENO(123-CD)PYRENE	20U
(84B)	129-00-0	PYRENE	10U
	62-53-3	ANILINE	5U
	100-51-6	BENZYL ALCOHOL	20U
	106-47-8	4-CHLOROANILINE	50U
	132-64-9	DIBENZOFURAN	10U
	91-57-6	2-METHYLNAPTHALENE	20U
	88-74-4	2-NITROANILINE	100U
	99-09-2	3-NITROANILINE	100U
	100-01-6	4-NITROANILINE	100U

I62

USEPA-SAMPLE MANAGEMENT OFFICE
PO BOX 818 ALEXANDRIA,VA 22313

RECEIVED SEP 21 1984

SAMPLE NO.
E8330

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME PEDCO ENV.
LAB SAMPLE ID NO. DR959
SAMPLE MATRIX WATER
DATA RELEASE AUTHORIZED

CASE NO: 3140
QC REPORT NO.
CONTRACT NO. 68-01-6779
DATE SAMPLE RECEIVED 8/16/84

VOLATILES

CONCENTRATION LOW
DATE PREPARED 8/17/84
DATE ANALYZED 8/17/84
PER CENT MOISTURE N/A
CONCENTRATION/DIL. FACTOR-----5ML

PP#	CAS#		UG/L
(2V)	107-02-8	ACROLEIN	100U
(3V)	107-13-1	ACRYLONITRILE	100U
(4V)	71-43-2	BENZENE	10.9
(6V)	56-23-2	CARBON TETRACHLORIDE	5U
(7V)	108-90-7	CLOROBENZENE	8.5
(10V)	107-06-2	1,2-DICHLOROETHANE	5U
(11V)	71-55-6	1,1,1-TRICHLOROETHANE	5U
(13V)	75-34-3	1,1-DICHLOROETHANE	5U
(14V)	79-00-5	1,1,2-TRICHLOROETHANE	5U
(15V)	79-34-5	1,1,2,2-TETRACHLOROETHANE	10U
(16V)	75-00-3	CHLOROETHANE	10U
(19V)	110-75-8	2-CHLOROETHYLVINYLETHER	10U
(23V)	67-66-3	CHLOROFORM	5U
(29V)	75-35-4	1,1-DICHLOROETHENE	5U
(30V)	156-60-5	TRANS-1,2-DICHLOROETHENE	5U
(32V)	78-87-5	1,2-DICHLOROPROPANE	10U
(33V)	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5U
	10061-01-0	CIS-1,3-DICHLOROPROPENE	5U
(38V)	100-41-4	ETHYLBENZENE	5U
(44V)	75-09-2	METHYLENE CHLORIDE	2.3CK
(45V)	74-87-3	CHLOROMETHANE	10U
(46V)	74-83-9	BROMOMETHANE	10U
(47V)	75-25-2	BROMOFORM	10U
(48V)	75-27-4	BROMODICHLOROMETHANE	5U
(49V)	75-69-4	FLUOROTRICHLOROMETHANE	5U
(50V)	75-71-8	DICHLORODIFLUOROMETHANE	NA
(51V)	124-48-1	CHLORODIBROMOMETHANE	5U
(85V)	127-18-4	TETRACHLOROETHENE	5U
(86V)	108-88-3	TOLUENE	5U
(87V)	79-01-6	TRICHLOROETHENE	5U
(88V)	75-01-4	VINYL CHLORIDE	10U
	67-64-1	ACETONE	15.9C
	78-93-3	2-BUTANONE	5U
	75-15-0	CARBON DISULFIDE	1U
	519-78-6	2-HEXANONE	5U
	108-10-1	4-METHYL-2-PENTANONE	5U
	100-42-5	STYRENE	5U
	108-05-4	VINYL ACETATE	5U
	1330-20-7	TOTAL XYLENES	5U

PESTICIDES

CONCENTRATION LOW
DATE EXTRACTED 8/16/84
DATE ANALYZED 9/5/84
PERCENT MOISTURE N/A
CONCENTRATION/DIL. FACTOR-----10

PP#	CAS#		UG/L
(89P)	309-00-2	ALDRIN	.005U
(90P)	60-57-1	DIELDRIN	.005U
(91P)	57-74-9	CHLORDANE	.05U
(92P)	50-29-3	4,4'DDT	.01U
(93P)	72-55-9	4,4'DDE	.005U
(94P)	72-54-8	4,4'DDD	.1U
(95P)	115-29-7	ALPHA-ENDOSULFAN	.005U
(96P)	115-29-7	BETA-ENDOSULFAN	.005U
(97P)	1031-07-8	ENDOSULFAN SULFATE	.01U
(98P)	72-20-8	ENDRIN	.005U
(99P)	7421-93-4	ENDRIN ALDEHYDE	.01U
(100P)	76-44-8	HEPTACHLOR	.005U
(101P)	1024-57-3	HEPTACHLOR EPOXIDE	.005U
(102P)	319-84-6	ALPHA-BHC	.005U
(103P)	319-85-7	BETA-BHC	.005U
(104P)	319-86-8	DELTA-BHC	.005U
(105P)	58-89-9	GAMMA-BHC (LINDANE)	.005U
106P	53469-21-9	PCB-1242	.05U
107P	11097-69-1	PCB-1254	.1U
108P	11104-28-2	PCB-1221	.1U
109P	11141-16-5	PCB-1232	.05U
110P	12672-29-6	PCB-1248	.1U
111P	11096-82-5	PCB-1260	.1U
112P	12674-11-2	PCB-1016	.2U
113P	8001-35-2	TOXAPHENE	.05U

RECEIVED SEP 2 Oct 1984

Sample Number E8330

Laboratory Name: PEDCO ENVIRONMENTAL Case No: 3140

QC Report No:

00110

B. Tentatively Identified Compounds

CAS #	Compound Name	Fraction	Scan No. or Retention Time	Maximum Score Attained Mass Matching Review: (Specify: Verify)	Estimated Concentration (ug/l or ug/kg)
1.		VOA			
2.					
3.	UNKNOWN	BNA	1865		5
4.	"		1846		30
5.	"		1575		3
6.	PHTHALATE		1521		10
7.	UNKNOWN		1524		5
8.	"		1377		25
9.	ALKANE		1303		10
10.	ACID		1196		10
11.	UNKNOWN		928		60
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

6/82

84M507D72

162

USEPA-SAMPLE MANAGEMENT OFFICE
PO BOX 818 ALEXANDRIA,VA 22313

RECEIVED SEP 21 1984

SAMPLE NO.
E8331

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME PEDCO ENV.
LAB SAMPLE ID NO. DR960
SAMPLE MATRIX WATER
DATA RELEASE AUTHORIZED

CASE NO: 3140
QC REPORT NO.
CONTRACT NO. 68-01-6779
DATE SAMPLE RECEIVED 8/16/84

VOLATILES

CONCENTRATION LOW
DATE PREPARED 8/17/84
DATE ANALYZED 8/17/84
PER CENT MOISTURE N/A
CONCENTRATION/DIL. FACTOR-----5ML

PP#	CAS#		UG/L
(2V)	107-02-8	ACROLEIN	100U
(3V)	107-13-1	ACRYLONITRILE	100U
(4V)	71-43-2	BENZENE	5U
(6V)	56-23-2	CARBON TETRACHLORIDE	5U
(7V)	108-90-7	CLOROBENZENE	5U
(10V)	107-06-2	1,2-DICHLOROETHANE	5U
(11V)	71-55-6	1,1,1-TRICHLOROETHANE	5U
(13V)	75-34-3	1,1-DICHLOROETHANE	5U
(14V)	79-00-5	1,1,2-TRICHLOROETHANE	5U
(15V)	79-34-5	1,1,2,2-TETRACHLOROETHANE	10U
(16V)	75-00-3	CHLOROETHANE	10U
(19V)	110-75-8	2-CHLOROETHYLVINYLETHER	10U
(23V)	67-66-3	CHLOROFORM	5U
(29V)	75-35-4	1,1-DICHLOROETHENE	5U
(30V)	156-60-5	TRANS-1,2-DICHLOROETHENE	5U
(32V)	78-87-5	1,2-DICHLOROPROPANE	10U
(33V)	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5U
	10061-01-0	5CIS-1,3-DICHLOROPROPENE	5U
(38V)	100-41-4	ETHYLBENZENE	5U
(44V)	75-09-2	METHYLENE CHLORIDE	5UC
(45V)	74-87-3	CHLOROMETHANE	10U
(46V)	74-83-9	BROMOMETHANE	10U
(47V)	75-25-2	BROMOFORM	10U
(48V)	75-27-4	BROMODICHLOROMETHANE	5U
(49V)	75-69-4	FLUOROTRICHLOROMETHANE	5U
(50V)	75-71-8	DICHLORODIFLUOROMETHANE	NA
(51V)	124-48-1	CHLORODIBROMOMETHANE	5U
(85V)	127-18-4	TETRACHLOROETHENE	5U
(86V)	108-88-3	TOLUENE	5U
(87V)	79-01-6	TRICHLOROETHENE	5U
(88V)	75-01-4	VINYL CHLORIDE	10U
	67-64-1	ACETONE	16.1C
	78-93-3	2-BUTANONE	5U
	75-15-0	CARBON DISULFIDE	1U
	519-78-6	2-HEXANONE	5U
	108-10-1	4-METHYL-2-PENTANONE	5U
	100-42-5	STYRENE	5U
	108-05-4	VINYL ACETATE	5U
	1330-20-7	TOTAL XYLENES	5U

PESTICIDES

CONCENTRATION LOW
DATE EXTRACTED 8/16/84
DATE ANALYZED 9/5/84
PERCENT MOISTURE N/A
CONCENTRATION/DIL. FACTOR-----10

PP#	CAS#		UG/L
(89P)	309-00-2	ALDRIN	.005U
(90P)	60-57-1	DIELDRIN	.005U
(91P)	57-74-9	CHLORDANE	.05U
(92P)	50-29-3	4,4'DDT	.01U
(93P)	72-55-9	4,4'DDE	.005U
(94P)	72-54-8	4,4'DDD	.1U
(95P)	115-29-7	ALPHA-ENDOSULFAN	.005U
(96P)	115-29-7	BETA-ENDOSULFAN	.005U
(97P)	1031-07-8	ENDOSULFAN SULFATE	.01U
(98P)	72-20-8	ENDRIN	.005U
(99P)	7421-93-4	ENDRIN ALDEHYDE	.01U
(100P)	76-44-8	HEPTACHLOR	.005U
(101P)	1024-57-3	HEPTACHLOR EPOXIDE	.005U
(102P)	319-84-6	ALPHA-BHC	.005U
(103P)	319-85-7	BETA-BHC	.005U
(104P)	319-86-8	DELTA-BHC	.005U
(105P)	58-89-9	GAMMA-BHC (LINDANE)	.005U
106P	53469-21-9	PCB-1242	.05U
107P	11097-69-1	PCB-1254	.1U
108P	11104-28-2	PCB-1221	.1U
109P	11141-16-5	PCB-1232	.05U
110P	12672-29-6	PCB-1248	.1U
111P	11096-82-5	PCB-1260	.1U
112P	12674-11-2	PCB-1016	.2U
113P	8001-35-2	TOXAPHENE	.05U

USEPA-SAMPLE MANAGEMENT OFFICE
PO BOX 818 ALEXANDRIA,VA 22313

RECEIVED SEP 21 1984

SAMPLE NO.
E8331

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME PEDCO ENV.
LAB SAMPLE ID NO DR960
SAMPLE MATRIX WATER
DATA RELEASE AUTHORIZED A9

CASE NO: 3140
QC REPORT NO.
CONTRACT NO. 68-01-6779
DATE SAMPLE RECEIVED 8/16/84

SEMIVOLATILE COMPOUNDS

CONCENTRATION LOW
DATE EXTRACTED 8/16/84
DATE ANALYZED 9/11/84
PER CENT MOISTURE N/A
CONCENTRATION/DIL. FACTOR-----500

PP#	CAS#		UG/L
(21A)	88-06-2	2,4,6-TRICHLOROPHENOL	10U
(22A)	59-50-7	P-CHLORO-M-CRESOL	10U
(24A)	95-57-8	2-CHLOROPHENOL	10U
(31A)	120-83-2	2,4-DICHLOROPHENOL	10U
(34A)	105-67-9	2,4-DIMETHYLPHENOL	10U
(57A)	88-75-5	2-NITROPHENOL	20U
(58A)	100-02-7	4-NITROPHENOL	50U
(59A)	51-28-5	2,4-DINITROPHENOL	50U
(60A)	534-52-1	4,6-DINITRO-O-CRESOL	20U
(64A)	87-86-5	PENTACHLOROPHENOL	10U
(65A)	108-95-2	PHENOL	10U
	65-85-0	BENZOIC ACID	100U
	95-48-7	2-METHYLPHENOL	5U
	108-39-4	4-METHYLPHENOL	5U
	95-95-4	2,4,5-TRICHLOROPHENOL	100U
(1B)	83-32-9	ACENAPTHENE	10U
(5B)	92-87-5	BENZIDINE	40U
(8B)	120-82-1	1,2,4-TRICHLOROBENZENE	10U
(9B)	118-74-1	HEXACHLOROBENZENE	10U
(12B)	67-72-1	HEXACHLOROETHANE	10U
(18B)	111-44-4	BIS(2-CHLOROETHYL)ETHER	10U
(20B)	91-58-7	2-CHLORONAPTHALENE	10U
(25B)	95-50-1	1,2-DICHLOROBENZENE	10U
(26B)	541-73-1	1,3-DICHLOROBENZENE	10U
(27B)	106-46-7	1,4-DICHLOROBENZENE	10U
(28B)	91-94-1	3,3'-DICHLOROBENZIDINE	20U
(35B)	121-14-2	2,4-DINITROTOLUENE	20U
(36B)	606-20-2	2,6-DINITROTOLUENE	20U
(37B)	122-66-7	1,2-DIPHENYLHYDRAZINE	20U
(39B)	206-44-0	FLUORANTHENE	10U
(40B)	7005-72-3	4-CHLOROPHENYLPHENYLETHER	10U
(41B)	101-55-3	4-BROMPHENYLPHENYLETHER	10U
(42B)	39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	20U
(43B)	111-91-1	BIS(2-CHLORETHOXY)METHANE	20U

PP#	CAS#		UG/L
(52B)	87-68-3	HEXACHLOROBUTADIENE	10U
(53B)	77-47-4	HEXACHLOROCYCLOPENTADIENE	10U
(54B)	78-59-1	ISOPHORONE	10U
(55B)	91-20-3	NAPTHALENE	10U
(56B)	98-95-3	NITROBENZENE	10U
(62B)	86-30-6	N-NITROSODIPHENYLAMINE	10U
(63B)	621-64-7	N-NITROSODIPROPYLAMINE	10U
(66B)	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10U
(67B)	85-68-7	BENZYLBUTYL PHTHALATE	10U
(68B)	84-74-2	DI-N-BUTYL PHTHALATE	10U
(69B)	117-84-0	DI-N-OCTYL PHTHALATE	10U
(70B)	84-66-2	DIETHYL PHTHALATE	10U
(71B)	131-11-3	DIMETHYL PHTHALATE	10U
(72B)	56-55-3	BENZO(A)ANTHRACENE	10U
(73B)	50-32-8	BENZO(A)PYRENE	20U
(74B)	205-99-2	BENZO(B)FLUORANTHENE AND/	20U
(75B)	207-08-9	BENZO(K)FLUORANTHENE OR	20U
(76B)	218-01-9	CHRYSENE	20U
(77B)	208-96-8	ACENAPTHYLENE	10U
(78B)	120-12-7	ANTHRACENE	10U
(79B)	191-24-2	BENZO(GHI)PERYLENE	20U
(80B)	86-73-7	FLUORENE	10U
(81B)	85-01-8	PHENANTHRENE	10U
(82B)	53-70-3	DIBENZO(AH)ANTHRACENE	20U
(83B)	193-39-5	INDENO(123-CD)PYRENE	20U
(84B)	129-00-0	PYRENE	10U
	62-53-3	ANILINE	5U
	100-51-6	BENZYL ALCOHOL	20U
	106-47-8	4-CHLOROANILINE	50U
	132-64-9	DIBENZOFURAN	10U
	91-57-6	2-METHYLNAPTHALENE	20U
	88-74-4	2-NITROANILINE	100U
	99-09-2	3-NITROANILINE	100U
	100-01-6	4-NITROANILINE	100U

RECEIVED SEP 21 1984

ORGANICS ANALYSIS DATA SHEET - Page 3

Sample Number: EF33 1

Laboratory Name: PEDCO ENVIRONMENTAL

Case No: 3140

QC Report No:

B. Tentatively Identified Compounds

00139

	CAS #	Compound Name	Fraction	Scan No. or Retention Time	Maximum Score Attained Mass Matching Range: (Specify: Perfect)	Estimated Concentration (ug/L or ug/kg)
1.			VIA			
2.						
3.		Acid	BNA	930		100
4.		"		1197		30
5.		"		1856		50
6.		UNKNOWN		1305		100
7.		"		1556		10
8.		"		1818		20
9.						
10.						
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						
21.						
22.						
23.						
24.						
25.						
26.						
27.						
28.						
29.						
30.						

6/82

84MS09R12

I62

USEPA-SAMPLE MANAGEMENT OFFICE
PO BOX 818 ALEXANDRIA,VA 22313

SAMPLE NO.
E8332

RECEIVED SEP 21 1984

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME PEDCO ENV.
LAB SAMPLE ID NO DR961
SAMPLE MATRIX WATER
DATA RELEASE AUTHORIZED A9

CASE NO: 3140
QC REPORT NO.
CONTRACT NO. 68-01-6779
DATE SAMPLE RECEIVED 8/16/84

VOLATILES

CONCENTRATION LOW
DATE PREPARED 8/17/84
DATE ANALYZED 8/17/84
PER CENT MOISTURE N/A
CONCENTRATION/DIL. FACTOR-----5ML

PP#	CAS#		UG/L
(2V)	107-02-8	ACROLEIN	100U
(3V)	107-13-1	ACRYLONITRILE	100U
(4V)	71-43-2	BENZENE	5U
(6V)	56-23-2	CARBON TETRACHLORIDE	5U
(7V)	108-90-7	CLOROBENZENE	5U
(10V)	107-06-21	,2-DICHLOROETHANE	5U
(11V)	71-55-61	,1,1-TRICHLOROETHANE	5U
(13V)	75-34-31	,1-DICHLOROETHANE	5U
(14V)	79-00-51	,1,2-TRICHLOROETHANE	5U
(15V)	79-34-51	,1,2,2-TETRACHLOROETHANE	10U
(16V)	75-00-3	CHLOROETHANE	10U
(19V)	110-75-82	-CHLOROETHYLVINYLETHER	10U
(23V)	67-66-3	CHLOROFORM	5U
(29V)	75-35-41	,1-DICHLOROETHENE	5U
(30V)	156-60-5	TRANS-1,2-DICHLOROETHENE	5U
(32V)	78-87-51	,2-DICHLOROPROPANE	10U
(33V)	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5U
	10061-01-05	CIS-1,3-DICHLOROPROPENE	5U
(38V)	100-41-4	ETHYLBENZENE	5U
(44V)	75-09-2	METHYLENE CHLORIDE	5UC
(45V)	74-87-3	CHLOROMETHANE	10U
(46V)	74-83-9	BROMOMETHANE	10U
(47V)	75-25-2	BROMOFORM	10U
(48V)	75-27-4	BROMODICHLOROMETHANE	5U
(49V)	75-69-4	FLUOROTRICHLOROMETHANE	5U
(50V)	75-71-8	DICHLORODIFLUOROMETHANE	NA
(51V)	124-48-1	CHLORODIBROMOMETHANE	5U
(85V)	127-18-4	TETRACHLOROETHENE	5U
(86V)	108-88-3	TOLUENE	5U
(87V)	79-01-6	TRICHLOROETHENE	5U
(88V)	75-01-4	VINYL CHLORIDE	10U
	67-64-1	ACETONE	7.5
	78-93-32	-BUTANONE	5U
	75-15-0	CARBON DISULFIDE	1U
	519-78-62	-HEXANONE	5U
	108-10-14	-METHYL-2-PENTANONE	5U
	100-42-5	STYRENE	5U
	108-05-4	VINYL ACETATE	5U
	1330-20-7	TOTAL XYLENES	5U

PESTICIDES

06162

CONCENTRATION LOW
DATE EXTRACTED 8/16/84
DATE ANALYZED 9/5/84
PERCENT MOISTURE N/A
CONCENTRATION/DIL. FACTOR-----10

PP#	CAS#		UG/L
(89P)	309-00-2	ALDRIN	.005U
(90P)	60-57-1	DIELDRIN	.005U
(91P)	57-74-9	CHLORDANE	.05U
(92P)	50-29-3	4,4'DDT	.01U
(93P)	72-55-9	4,4'DDE	.005U
(94P)	72-54-8	4,4'DDD	.1U
(95P)	115-29-7	ALPHA-ENDOSULFAN	.005U
(96P)	115-29-7	BETA-ENDOSULFAN	.005U
(97P)	1031-07-8	ENDOSULFAN SULFATE	.01U
(98P)	72-20-8	ENDRIN	.005U
(99P)	7421-93-4	ENDRIN ALDEHYDE	.01U
(100P)	76-44-8	HEPTACHLOR	.005U
(101P)	1024-57-3	HEPTACHLOR EPOXIDE	.005U
(102P)	319-84-6	ALPHA-BHC	.005U
(103P)	319-85-7	BETA-BHC	.005U
(104P)	319-86-8	DELTA-BHC	.005U
(105P)	58-89-9	GAMMA-BHC (LINDANE)	.005U
106P	53469-21-9	PCB-1242	.05U
107P	11097-69-1	PCB-1254	.1U
108P	11104-28-2	PCB-1221	.1U
109P	11141-16-5	PCB-1232	.05U
110P	12672-29-6	PCB-1248	.1U
111P	11096-82-5	PCB-1260	.1U
112P	12674-11-2	PCB-1016	.2U
113P	8001-35-2	TOXAPHENE	.05U

USEPA-SAMPLE MANAGEMENT OFFICE
PO BOX 818 ALEXANDRIA,VA 22313

RECEIVED SEP 21 1984

SAMPLE NO.
E8332

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME PEDCO ENV.
LAB SAMPLE ID NO DR961
SAMPLE MATRIX WATER
DATA RELEASE AUTHORIZED

CASE NO: 3140
QC REPORT NO.
CONTRACT NO. 68-01-6779
DATE SAMPLE RECEIVED 8/16/84

SEMIVOLATILE COMPOUNDS

CONCENTRATION LOW
DATE EXTRACTED 8/16/84
DATE ANALYZED 9/11/84
PER CENT MOISTURE N/A
CONCENTRATION/DIL. FACTOR-----500

00163

PP#	CAS#		UG/L
(21A)	88-06-2	2,4,6-TRICHLOROPHENOL	10U
(22A)	59-50-7	P-CHLORO-M-CRESOL	10U
(24A)	95-57-8	2-CHLOROPHENOL	10U
(31A)	120-83-2	2,4-DICHLOROPHENOL	10U
(34A)	105-67-9	2,4-DIMETHYLPHENO	10U
(57A)	88-75-5	2-NITROPHENOL	20U
(58A)	100-02-7	4-NITROPHENOL	50U
(59A)	51-28-5	2,4-DINITROPHENOL	50U
(60A)	534-52-1	4,6-DINITRO-O-CRESOL	20U
(64A)	87-86-5	PENTACHLOROPHENOL	10U
(65A)	108-95-2	PHENOL	10U
	65-85-0	BENZOIC ACID	100U
	95-48-7	2-METHYLPHENOL	5U
	108-39-4	4-METHYLPHENOL	5U
	95-95-4	2,4,5-TRICHLOROPHENOL	100U
(1B)	83-32-9	ACENAPTHENE	10U
(5B)	92-87-5	BENZIDINE	40U
(8B)	120-82-1	1,2,4-TRICHLOROBENZENE	10U
(9B)	118-74-1	HEXACHLOROBENZENE	10U
(12B)	67-72-1	HEXACHLOROETHANE	10U
(18B)	111-44-4	BIS(2-CHLOROETHYL)ETHER	10U
(20B)	91-58-7	2-CHLORONAPTHALENE	10U
(25B)	95-50-1	1,2-DICHLOROBENZENE	10U
(26B)	541-73-1	1,3-DICHLOROBENZENE	10U
(27B)	106-46-7	1,4-DICHLOROBENZENE	10U
(28B)	91-94-1	3,3'-DICHLOROBENZIDINE	20U
(35B)	121-14-2	2,4-DINITROTOLUENE	20U
(36B)	606-20-2	2,6-DINITROTOLUENE	20U
(37B)	122-66-7	1,2-DIPHENYLHYDRAZINE	20U
(39B)	206-44-0	FLUORANTHENE	10U
(40B)	7005-72-3	4-CHLOROPHENYLPHENYLETHER	10U
(41B)	101-55-3	4-BROMPHENYLPHENYLETHER	10U
(42B)	39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	20U
(43B)	111-91-1	BIS(2-CHLORETHOXY)METHANE	20U

PP#	CAS#		UG/L
(52B)	87-68-3	HEXACHLOROBUTADIENE	10U
(53B)	77-47-4	HEXACHLOROCYCLOPENTADIENE	10U
(54B)	78-59-1	ISOPHORONE	10U
(55B)	91-20-3	NAPTHALENE	10U
(56B)	98-95-3	NITROBENZENE	10U
(62B)	86-30-6	N-NITROSODIPHENYLAMINE	10U
(63B)	621-64-7	N-NITROSODIPROPYLAMINE	10U
(66B)	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10U
(67B)	85-68-7	BENZYLBUTYL PHTHALATE	10U
(68B)	84-74-2	DI-N-BUTYL PHTHALATE	10U
(69B)	117-84-0	DI-N-OCTYL PHTHALATE	10U
(70B)	84-66-2	DIETHYL PHTHALATE	10U
(71B)	131-11-3	DIMETHYL PHTHALATE	10U
(72B)	56-55-3	BENZO(A)ANTHRACENE	10U
(73B)	50-32-8	BENZO(A)PYRENE	20U
(74B)	205-99-2	BENZO(B)FLUORANTHENE AND/	20U
(75B)	207-08-9	BENZO(K)FLUORANTHENE OR	20U
(76B)	218-01-9	CHRYSENE	20U
(77B)	208-96-8	ACENAPTHYLENE	10U
(78B)	120-12-7	ANTHRACENE	10U
(79B)	191-24-2	BENZO(GHI)PERYLENE	20U
(80B)	86-73-7	FLUORENE	10U
(81B)	85-01-8	PHENANTHRENE	10U
(82B)	53-70-3	DIBENZO(AH)ANTHRACENE	20U
(83B)	193-39-5	INDENO(123-CD)PYRENE	20U
(84B)	129-00-0	PYRENE	10U
	62-53-3	ANILINE	5U
	100-51-6	BENZYL ALCOHOL	20U
	106-47-8	4-CHLOROANILINE	50U
	132-64-9	DIBENZOFURAN	10U
	91-57-6	2-METHYLNAPTHALENE	20U
	88-74-4	2-NITROANILINE	100U
	99-09-2	3-NITROANILINE	100U
	100-01-6	4-NITROANILINE	100U

RECEIVED SEP 21 1984

ORGANICS ANALYSIS DATA SHEET - Page 3

Sample Number: EF332

Laboratory Name: PEDCO ENVIRONMENTAL

Case No: 3140

QC Report No:

B. Tentatively Identified Compounds

	CAS #	Compound Name	Fraction	Scan No. or Retention Time	% Maximum Score Attained Mass Matching Routine: (Specify: Perkin)	Estimated Concentration (ug/L or ug/kg)
1.		NONE	VOA			
2.						
3.		UNKNOWN	BNA	1655		10
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						
21.						
22.						
23.						
24.						
25.						
26.						
27.						
28.						
29.						
30.						

6/82