ATTACHMENT C

COMPOSITIONAL ANALYSES
OF SAMPLES COLLECTED BY ERT

000332

FIELD DATA SHEET

Environmental Response Team, Environmental Protection Agency
Woodbridge Ave., Edison, N.J. 08837
(201) 321-6660

Location: _____

Collectors: _____

Lab Number (Consec.#'s) NO 5614

Date Collected: Mo | Day | Yr

Time (24 hr)

SOIL

Device: Auger, Core, Split Spoon, ✓ Cylinder Cup, Spade

Depth: ____ Ft. or In.

Soil Type: Rock, Gravel, Sand, Clay, Silt, Muck, Loam, Peat, Color: _____

LAND

Upland-Dry, Lowland-Dry, Floodplain, Wetland, Gully

Slope > 15° < 15°

VEGETATION

Old Field, Residential, Wooded, Industrial, Farmland, Commercial

Herbaceous ____ %
Shrubs ____ %
Trees ____ %

DBH ____ In.

GROUNDWATER

Water Table Depth ____ Ft.

Sample Depth ____ Ft.

Color: _____
Odor: _____
Oil: _____
Device: _____

SURFACE WATER

Color: _____ Temp _____
Odor: _____ pH _____

STREAM Width ____ Ft.
Depth ____ Ft or In.
Velocity ____ Ft/Sec

✓ FLOW DIRECTION _____

Pools ____ % Riffles ____ %

Device	Surface	Bottom %
Kemmerer	Clean	Ooze
Petersen	Oil	Sand
Surber	Garbage	Gravel
Manual	Trash	Clay
Net	Bubbles	Rubble
Seine	Dead Fish	Rock
Trowl	Sewage	Shell
Bucket	Ind. Waste	Organic
	Float. Solids	

SAMPLE PREPARATION

Container	Cleaning Procedure
Glass Jar	Low ⟷ High Concentration
Plastic Jar	Detergent Wash
Metal	Water Rinse
Acetate Core	Acetone Rinse
Paper Cap	Hexane Rinse
Teflon Cap	Other Solvent Rinse
Foil Cap	Specify:

Storage: Wet Ice, Ambient, Dry Ice

TRANSECT INFORMATION

Letter	Station #
	2

Compass Direction _____ — _____

Distance Between Stations ____ to ____ Is ____ Ft

Remarks and Site Description

INTERNATIONAL TECHNOLOGY CORPORATION

Enviresponse, Inc
GSA Raritan Depot, Woodbridge Ave.
Building 209, Bay F
Edison, N. J. 08837
Attn. of: Ms. Janet Cullinane
N. J. Lab Certification ID# 12064

Job # 5702
Date:
Auth:
Lot #: 0485
Invoice #:
Sample Date: 5/21/86

	Sample #55914 A-05614, Liquid (ppm)	E. P. Toxicity Leachate (mg/L)	EPA Maximum Leachate Concentration (mg/L)
Cyanide	<1	-	-
Sulfide	40	-	-
Flash Point (°F)	73	-	-
Corrosivity (mmpy)	<0.01	-	-
Arsenic	-	0.03	5.0
Barium	-	<0.44	100.0
Cadmium	-	<0.03	1.0
Chromium	-	<0.5	5.0
Lead	-	0.05	5.0
Mercury	-	<0.05	0.2
Selenium	-	<0.01	1.0
Silver	-	2.9	5.0
Endrin	-	<1	0.02
Lindane	-	<1	0.4
Methoxychlor	-	<1	10.0
Toxaphene	-	<1	0.5
2,4-D	-	<0.01	10.0
2,4,5-TP	-	<0.01	1.0

ORGANICS ANALYSIS DATA SHEET SAMPLE #: B05614

LABORATORY: IT/CERR
LABORATORY ID: 36989EB2
MATRIX: ORGANIC LIQUIDS

CASE #/SAS #: IT-PAS-12
QC REPORT #: PAS-33
CONTRACT #: IT-PAS-599999-05-07
DATE RECEIVED: 05/22/86

DATA RELEASE AUTHORIZED BY:

VOLATILE COMPOUNDS

ALL SOLID RESULTS REPORTED ON A DRY WEIGHT BASIS

LEVEL:	MED
DATE EXT/PREP:	06/12/86
DATE ANALYZED:	06/12/86
SPL-->EXTRACT:	4.005G+10ML MEOH--100ul:10 ml--100ul:10 ml 80ul+20ul MEOH.
PH:	NA
% MOISTURE (NOT DEC.):	N/A
% MOISTURE (DEC.):	N/A
STANDARD ID:	MSVEB124
SENSITIVITY ID:	BFBEB097
UNITS:	UG/KG

* - USED FOR DRY WEIGHT CALCULATION

PP #	CAS #		CONC	
45V	74-87-3	CHLOROMETHANE	20000000	U
46V	74-83-9	BROMOMETHANE	20000000	U
88V	75-01-4	VINYL CHLORIDE	20000000	U
16V	75-00-3	CHLOROETHANE	20000.000	U
44V	75-09-2	METHYLENE CHLORIDE	8000000	B
13H	67-64-1	ACETONE	32000000	B
15H	75-15-0	CARBON DISULFIDE	8000.000	U
29V	75-35-4	1,1-DICHLOROETHENE	8000.000	U
13V	75-34-3	1,1-DICHLOROETHANE	8000000	U
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	8000000	U
23V	67-66-3	CHLOROFORM	8000.000	U
0V	107-06-2	1,2-DICHLOROETHANE	8000000	U
14H	78-93-3	2-BUTANONE	59000000	B
11V	71-55-6	1,1,1-TRICHLOROETHANE	8000000	U
6V	56-23-5	CARBON TETRACHLORIDE	8000000	U
19H	108-05-4	VINYL ACETATE	20000000	U
48V	75-27-4	BROMODICHLOROMETHANE	8000000	U
32V	78-87-5	1,2-DICHLOROPROPANE	8000000	U
33VT	10061-02-6	TRANS-1,3-DICHLOROPROPENE	8000000	U
87V	79-01-6	TRICHLOROETHENE	8000000	U
51V	124-48-1	CHLORODIBROMOMETHANE	8000000	U
14V	79-00-5	1,1,2-TRICHLOROETHANE	8000000	U
4V	71-43-2	BENZENE	8000000	U
33VC	10061-01-5	CIS-1,3-DICHLOROPROPENE	8000000	U
19V	110-75-8	2-CHLOROETHYLVINYL ETHER	20000000	U
47V	75-25-2	BROMOFORM	8000000	U
16H	519-78-6	2-HEXANONE	20000000	U
17H	108-10-1	4-METHYL-2-PENTANONE	20000000	U
85V	127-18-4	TETRACHLOROETHENE	8000000	U
15V	79-34-5	1,1,2,2-TETRACHLOROETHANE	8000000	U
86V	108-88-3	TOLUENE	20000000	B
7V	108-90-7	CHLOROBENZENE	8000000	U
38V	100-41-4	ETHYLBENZENE	73000000	B
18H	100-42-5	STYRENE	8000000	U
20H	95-47-6	TOTAL XYLENES	240000000	B

ORGANICS ANALYSIS DATA SHEET SAMPLE #: B05614

LABORATORY: IT/CERR
LABORATORY ID: 36989CJ10
MATRIX: ~~SOIL~~ Organic liquid
CASE #/SAS #: IT/PAS-12
QC REPORT #: PAS-33
CONTRACT #: IT/PAS-599999-05-07
DATE RECEIVED: 05/22/86

DATA RELEASE AUTHORIZED BY: (SN)

SEMIVOLATILE COMPOUNDS (PAGE 1)

ALL SOLID RESULTS REPORTED ON A DRY WEIGHT BASIS

LEVEL:	MEDIUM	GPC	Y_ N✓
DATE EXT/PREP:	05/28/86	SEP. FUNNEL	Y_ N✓
DATE ANALYZED:	06/10/86	CONT. EXT.	Y_ N✓
SPL-->EXTRACT:	1.00G: 10ML--50UL: 1ML		
PH:	NA (SN)		
% MOISTURE (NOT DEC.):	~~0.00~~ ~~NSW~~ N/A		
% MOISTURE (DEC.):	~~NSW~~ N/A		
STANDARD ID:	BDCEJ122		
SENSITIVITY ID:	DFTEJ111		
UNITS:	UG/KG		

* - USED FOR DRY WEIGHT CALCULATION

PP #	CAS #		CONC
65A	108-95-2	PHENOL	2000000U
18B	111-44-4	BIS (2-CHLOROETHYL) ETHER	2000000U
24A	95-57-8	2-CHLOROPHENOL	2000000U
26B	541-73-1	1,3-DICHLOROBENZENE	2000000U
27B	106-46-7	1,4-DICHLOROBENZENE	2000000U
6H	100-51-6	BENZYL ALCOHOL	2000000U
25B	95-50-1	1,2-DICHLOROBENZENE	2000000U
2H	95-48-7	2-METHYLPHENOL	2000000U
42B	39638-32-9	BIS (2-CHLOROISOPROPYL) ETHER	2000000U
3H	106-44-5	4-METHYLPHENOL	2000000U
63B	621-64-7	N-NITROSO-DI-N-PROPLYAMINE	2000000U
12B	67-72-1	HEXACHLOROETHANE	2000000U
56B	98-95-3	NITROBENZENE	2000000U
54B	78-59-1	ISOPHORONE	2000000U
57A	88-75-5	2-NITROPHENOL	2000000U
34A	105-67-9	2,4-DIMETHYLPHENOL	2000000U
1H	65-85-0	BENZOIC ACID	10000000U
43B	111-91-1	BIS (2-CHLOROETHOXY) METHANE	2000000U
31A	120-33-2	2,4-DICHLOROPHENOL	2000000U
8B	120-82-1	1,2,4-TRICHLOROBENZENE	2000000U
55B	91-20-3	NAPHTHALENE	2000000U
7H	106-47-8	4-CHLOROANILINE	2000000U
52B	87-68-3	HEXACHLOROBUTADIENE	2000000U
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	2000000U
9H	91-57-6	2-METHYLNAPHTHALENE	2000000U
53B	77-47-4	HEXACHLOROCYCLOPENTADIENE	2000000U
21A	88-06-2	2,4,6-TRICHLOROPHENOL	2000000U
4H	95-95-4	2,4,5-TRICHLOROPHENOL	10000000U
20B	91-58-7	2-CHLORONAPHTHALENE	2000000U
10H	88-74-4	2-NITROANILINE	10000000U
71B	131-11-3	DIMETHYLPHTHALATE	2000000U
77B	208-96-8	ACENAPHTHALENE	2000000U

ORGANICS ANALYSIS DATA SHEET SAMPLE #: B05614

LABORATORY: IT/CERR
LABORATORY ID: 36989CJ10
MATRIX: ~~SOIL~~ Organic Liquid
CASE #/SAS #: IT/PAS-12
GC REPORT #: PAS-33
CONTRACT #: IT/PAS-599999-05-07
DATE RECEIVED: 05/22/86

DATA RELEASE AUTHORIZED BY:

SEMIVOLATILE COMPOUNDS (PAGE 2)

ALL SOLID RESULTS REPORTED ON A DRY WEIGHT BASIS

LEVEL:	MEDIUM	GPC	Y_ N✓
DATE EXT/PREP:	05/28/86	SEP. FUNNEL	Y_ N✓
DATE ANALYZED:	06/10/86	CONT. EXT.	Y_ N✓
SPL-->EXTRACT:	1.00G: 10ML--50UL: 1ML		
PH:	N/A		
% MOISTURE (NOT DEC.):	~~0.00~~ ~~NSW~~ N/A		
% MOISTURE (DEC.):	~~NSW~~ N/A		
STANDARD ID:	BDCEJ122		
SENSITIVITY ID:	DFTEJ111		
UNITS:	UG/KG		

* - USED FOR DRY WEIGHT CALCULATION

PP #	CAS #		CONC
11H	99-09-2	3-NITROANILINE	10000000U
1B	83-32-9	ACENAPHTHENE	2000000U
59A	51-28-5	2,4-DINITROPHENOL	10000000U
58A	100-02-7	4-NITROPHENOL	10000000U
8H	132-64-9	DIBENZOFURAN	2000000U
35B	121-14-2	2,4-DINITROTOLUENE	2000000U
36B	606-20-2	2,6-DINITROTOLUENE	2000000U
70B	84-66-2	DIETHYLPHTHALATE	2000000U
40B	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	2000000U
10B	86-73-7	FLUORENE	2000000U
12H	100-01-6	4-NITROANILINE	10000000U
60A	534-52-1	4,6-DINITRO-O-CRESOL	10000000U
62B	86-30-6	N-NITROSODIPHENYLAMINE	2000000U
41B	101-55-3	4-BROMOPHENOXYBENZENE	2000000U
9B	118-74-1	HEXACHLOROBENZENE	2000000U
64A	87-86-5	PENTACHLOROPHENOL	10000000U
81B	85-01-8	PHENANTHRENE	2000000U
78B	120-12-7	ANTHRACENE	2000000U
68B	84-74-2	DI-N-BUTYLPHTHALATE	2000000U
39B	206-44-0	FLUORANTHENE	2000000U
84B	129-00-0	PYRENE	2000000U
67B	85-68-7	BUTYLBENZYLPHTHALATE	2000000U
28B	91-94-1	3,3'-DICHLOROBENZIDINE	4000000U
72B	56-55-3	BENZO (A) ANTHRACENE	2000000U
66B	117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	2000000U
76B	218-01-9	CHRYSENE	2000000U
69B	117-84-0	DI-N-OCTYLPHTHALATE	2000000U
74B	205-99-2	BENZO (B & K) FLUORANTHENE	2000000U
73B	50-32-8	BENZO (A) PYRENE	2000000U
83B	193-39-5	INDENO-1,2,3 (C,D) PYRENE	2000000U
82B	53-70-3	DIBENZO (A,H) ANTHRACENE	2000000U
79B	191-24-2	BENZO (G,H,I) PERYLENE	2000000U

Sample #: B05614

Laboratory: IT/Cerritos
Lab Sample ID: B05614
Sample Matrix: Organic Liquid
Data Release Authorized by: PATTY

Case #/SAS #: IT PAS121 —
QC Report #: PAS-33
Contract #: IT/PAS-599999-05-07
Date Rec'd: 5-22-86

Organics Analysis Data Sheet
Pesticide/PCB's

Column # — (for MB's)

Sample Level: Medium
Date Extracted: 5-23-86
Date 1° Analyzed: 6-5-86
Spl->Extract: 2.00g → 10ml 10ml → 10ml
For Dilution: Hg; 4→5; 1→5; conc
pH: N/A
% Moisture (Not Dec.): N/A
% Moisture (Decanted): N/A

1° Sample File ID: A5-PD-154-1044
1° Std File ID: A5-PD-154-1005, 100, 101
2° Sample File ID: B11-SM-160-1013
2° Std File ID: B11-SM-160-1005, 100

GPC Clean-up __ Y ✓ N
Sep. Funnel Ext. __ Y ✓ N
Cont. L-L Ext. __ Y ✓ N
Sonication Ext. ✓ Y __ N

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

			Q
319-84-6	alpha-BHC	100U	
319-85-7	beta-BHC	↓	
319-86-8	delta-BHC		
58-89-9	gamma-BHC (Lindane)		
76-44-8	Heptachlor		
309-00-2	Aldrin		
1024-57-3	Heptachlor Epoxide		
959-98-8	Endosulfan I	↓	
60-57-1	Dieldrin	200U	
72-55-9	4,4'-DDE	↓	
72-20-8	Endrin		
33213-65-9	Endosulfan II		
72-54-8	4,4'-DDD		
1031-07-8	Endosulfan Sulfate		
50-29-3	4,4'-DDT	↓	
72-43-5	Methoxychlor	1000U	
53494-70-5	Endrin Ketone	200U	
57-74-9	Chlordane	1000U	
8001-35-2	Toxaphene	2000U	
12674-11-2	Arochlor-1016	1000U	
11104-28-2	Arochlor-1221	↓	
11141-16-5	Arochlor-1232		
53469-21-9	Arochlor-1242		
12672-29-6	Arochlor-1248	↓	
11097-69-1	Arochlor-1254	5300 ~~20000~~ PH	1°
11096-82-5	Arochlor-1260	2000U	

ALL SOLID RESULTS ARE REPORTED ON DRY WEIGHT BASIS

Additional Sample Specific Qualifiers:
#3 Sample File ID: B11-SM-160-1
#3 Std File ID: B11-SM-160-100

1° - Primary Analysis
2° - Secondary Analysis
Q - (1° or 2°) Column used for Quantitation

V_i = Vol of ext inj (ul)
V_s = Vol of water ext'd (ml)
W_s = Wt of sample ext'd (g)
V_t = Vol of total ext (ul)

V_s N/A ml or
W_s 2.00 g
V_t 50,000 ul
V_i 5 ul

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

Compound	Conc. Sample	Q	Conc. Spiked	% Recovery
Dibutyl Chlorendate	~~840~~ 260	#3	500	52

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

LABORATORY: IT/CERR
LABORATORY ID: 36989EB2
MATRIX: ORGANIC LIQUID

CASE #/SAS #: IT-PAS-12
QC REPORT #: PAS-33
CONTRACT #: IT-PAS-599994-05-C
DATE RECEIVED: 05/22/86

DATA RELEASE AUTHORIZED BY:

VOLATILE COMPOUNDS

(ALL SOLID RESULTS REPORTED ON A DRY WEIGHT BASIS)

LEVEL:	MED
DATE EXT/PREP:	06/12/86
DATE ANALYZED:	06/12/86
SPL-->EXTRACT:	4.005G+10MLMEOH--100ul:10mlsMEOH--1
PH:	NA — 10ml MEOH--80u
% MOISTURE (NOT DEC.):	N/A — 20ul MEOH:5ml
% MOISTURE (DEC.):	N/A
STANDARD ID:	MSVEB124
SENSITIVITY ID:	BFBEB097
UNITS:	UG/KG

* - USED FOR DRY WEIGHT CALCULATION

LAB ID	COMPOUND	SAMPLE	SPIKED	% RECOVERY
	TOLUENE-D8	75900000	78100000	97
36989EB2	4-BROMOFLUOROBENZENE	79000000	78100000	101
	1,2-DICHLOROETHANE-D4	89600000	78100000	115

* - ASTERISKED VALUES ARE OUTSIDE QC LIMITS NS - NOT SPIKED
# - _____ RECOVERIES DUE TO DILUTION
$ - _____ RECOVERIES DUE TO MATRIX EFFECTS

TENTATIVELY IDENTIFIED COMPOUNDS

	CAS #	COMPOUND NAME	SCAN #	CONC(J)
1	—	unknown	29	10,000,000
2	—	unknown	54	8,000,000
3	74-20-9	methyl ester acetic acid	110	7,000,000
4	—	Hydrocarbon	270	8,000,000
5	—	Hydrocarbon	379	6,000,000
6	—	Hydrocarbon	471	7,000,000
7	—	unknown	486	7,000,000
8	111-65-9	Octane	547	20,000,000
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

LABORATORY: IT/CERR
LABORATORY ID: 36989CJ10
MATRIX: ~~SOIL~~ Organic Liquid (SN)

CASE #/SAS #: IT/PAS-12
QC REPORT #: PAS-53 9-05-(
CONTRACT #: IT/PAS-5999~~/06-0~~
DATE RECEIVED: 05/22/86 (SN)

DATA RELEASE AUTHORIZED BY: [signature]

SEMIVOLATILE COMPOUNDS
(ALL SOLID RESULTS REPORTED ON A DRY WEIGHT BASIS)

LEVEL:	MEDIUM	GPC	Y_ N✓
DATE EXT/PREP:	05/28/86	SEP. FUNNEL	Y_ N✓
DATE ANALYZED:	06/10/86	CONT. EXT.	Y_ N✓
SPL-->EXTRACT:	1.00G: 10ML--50UL: 1ML		
PH:	NA (SN)		
% MOISTURE (NOT DEC.):	~~0.00~~ ~~NSS~~ N/A		
% MOISTURE (DEC.):	~~NSW~~ N/A		
STANDARD ID:	BDCEJ122		
SENSITIVITY ID:	DFTEJ111		
UNITS:	UG/KG		

* - USED FOR DRY WEIGHT CALCULATION

SURROGATE SPIKE RECOVERIES

LAB ID	COMPOUND	SAMPLE	SPIKED	% RECOVERY
	NITROBENZENE-D5	2000000. U	50900.	0 * #
	2-FLUOROBIPHENYL	2000000. U	50100.	0 * #
36989CJ10	P-TERPHENYL-D14	2000000. U	53000.	0 * #
	PHENOL-D5	2000000. U	103000.	0 * #
	2-FLUOROPHENOL	2000000. U	102000.	0 * #
	2,4,6-TRIBROMOPHENOL	2000000. U	102000.	0 * #

* - ASTERISKED VALUES ARE OUTSIDE QC LIMITS NS - NOT SPIKED
\# - LDJ RECOVERIES DUE TO DILUTION
$ - _____ RECOVERIES DUE TO MATRIX EFFECTS

TENTATIVELY IDENTIFIED COMPOUNDS

	CAS #	COMPOUND NAME	SCAN #	CONC(J)
1		Xylenes	369	30,000,000
2		Hydrocarbon	390	20,000,000
3	98-82-8	(1-Methylethyl)-Benzene	471	2,000,000
4		Unknown	430	2,000,000
5		Hydrocarbon	443	1,000,000
6		Ethyl-methyl-Benzene Isomer	477	1,000,000
7				
8				
9				
10		~~Methylene Chloride/Acetone Reaction Products~~		
11		~~Reported in Method Blank~~		
12				
13				
14				
15				
16				
17				
18				
19				
20				

Laboratory: IT/Cerritos

Organics Analysis Data Sheet
Data Reporting Qualifiers

General Data Qualifiers:

Value - Concentration Found (Value ≥ DL)
DL - Detection Limit
U - Analyzed for but not detected (Reported Value is Detection Limit)
J - Estimated Value: Target Compound - 0 < Value < DL; or
Tent. ID's - A 1:1 response is assumed for Quantitation.
B - Compound found in Blank. Sample results are not Blank Corrected.
N/A - Not Analyzed
NR - Not Reported
NS - Not Spiked

Pesticide Qualifiers:

C - Confirmed by GC/MS; GC Quantitation Reported
** - Detected and Confirmed by GC below GC/MS DL;
GC Quantitation Reported
N - Not Confirmed by GC/MS; Attempted and unsuccessful
**N - GC/MS Confirmation attempted and unsuccessful because concentration is < GC/MS DL; GC Quantitation reported
UN - GC/MS Confirmation attempted and unsuccessful although suspect compound concentration is >GC/MS DL; GC/MS DL Reported
UNI - GC/MS Confirmation attempted and unsuccessful due to interferences although suspect compound concentration is >GC/MS DL;
Adjusted GC/MS DL Reported
LID - Lost In Dilution; Sample was diluted so much that Dibutyl chlorendate was Lost In Dilution.
CEP - Co-Eluting Peak; An apparent shift in Dibutyl chlorendate RT was caused by a Co-Eluting Peak, not a true unacceptable RT Shift.

Surrogate and Spike Qualifiers:

* - Asterisked Values are outside QC Limits
# - High/Low Recoveries due to Dilution.
$ - High/Low Recoveries due to Matrix Effects.

Soil Sample Result Qualifiers:

% Moisture * - % Moisture value used for Dry Weight Calculations
NOTE: % Moisture(type) used in caluclation should match Sample weight(type).

NSW - No Standing Water
%M(n) - % Moisture (Not Decanted)
%M(d) - % Moisture (Decanted)
g(n) - Sample weight taken from sample which was Not Decanted
g(d) - Sample weight taken from sample which was Decanted

000341

MS/MSD RECOVERY

Case #/SAS #: IT/PAS-12 Laboratory: IT/Cerritos Contract #: IT/PAS-[illegible]-05
Level: Medium Quality Control Report
Matrix: ~~Soil~~ Organic liquid (SN) Matrix Spike(MS and MSD)
QC Report #: PAS-33 % Recovery and RPD Summary Units: ug/Kg

Fraction	Compound	ug/Kg Spiked	Conc. Sample	Conc. MS	% Rec MS	Conc. MSD	% Rec MSD	RPD	QC Limits * RPD	QC Limits * Recovery
VOA SMO Sample # ____	1,1-Dichloroethene								< 14	59-172
	Trichloroethene								< 24	62-137
	Chlorobenzene								< 21	60-133
	Toluene								< 21	59-139
	Benzene								< 21	66-142
B/N SMO Sample # BQ5614	1,2,4-Trichlorobenzene	113000	2,000,000 U	2,000,000 U	0 * #	2,000,000 U	0 * #	0	< 23	38-107
	Acenaphthene	105000	2,000,000 U	2,000,000 U	0 * #	2,000,000 U	0 * #	0	< 19	31-137
	2,4-Dinitrotoluene	105000	2,000,000 U	2,000,000 U	0 * #	2,000,000 U	0 * #	0	< 47	28- 89
	Pyrene	102000	2,000,000 U	2,000,000 U	0 * #	2,000,000 U	0 * #	0	< 36	35-142
	N-Nitroso-di-n-propylamine	106000	2,000,000 U	2,000,000 U	0 * #	2,000,000 U	0 * #	0	< 38	41-126
	1,4-Dichlorobenzene	101000	2,000,000 U	2,000,000 U	0 * #	2,000,000 U	0 * #	0	< 27	28-104
Acid SMO Sample # BQ5614	Pentachlorophenol	202000	10,000,000 U	10,000,000 U	0 * #	10,000,000 U	0 * #	0	< 47	17-109
	Phenol	207200	2,000,000 U	2,000,000 U	0 * #	20,00,000 U	0 * #	0	< 35	26- 90
	2-Chlorophenol	220000	2,000,000 U	2,000,000 U	0 * #	2,000,000 U	0 * #	0	< 50	25-102
	4-Chloro-3-methylphenol	201000	2,000,000 U	2,000,000 U	0 * #	2,000,000 U	0 * #	0	< 33	26-103
	4-Nitrophenol	198000	10,000,000 U	10,000,000 U	0 * #	10,000,000 U	0 * #	0	< 50	11-114
Pest. SMO Sample # ____	Lindane (gamma-BHC)								< 50	46-127
	Heptachlor								< 31	35-130
	Aldrin								< 43	34-132
	Dieldrin								< 38	31-134
	Endrin								< 45	42-139
	4,4'-DDT								< 50	23-134

* Asterisked Values are outside QC Limits.
\# 60 U Recoveries due to Dilution.
$ ____ Recoveries due to Matrix Effects.

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

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

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

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

Comments: ____

Rev 8/85

000342

Case #/SAS #: IT /PAS-12
Level: Medium
Matrix: Organic Liquid
QC Report #: PAS-33

Laboratory: IT/Cerritos
Quality Control Report
Matrix Spike(MS and MSD)
Summary of Unspiked HSL's

Contract #: IT/PAS-599999-05-07

Sample #:
Circle Units: ug/Kg, ug/L

Fraction	Compound	Conc. Sample	Conc. MS	Conc. MSD	RPD
BNA	NONE FOUND	2,000,000 u	2,000,000 u	2,000,000 u	Ø

* Asterisked Values are outside QC Limits.

Note: This page lists compounds on the HSL which were nound in the Sample, MS, and/or MSD. It does not include Tentatively Identified compounds which may have been found in the Sample.

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

Rev 12/84

FIELD DATA SHEET

Environmental Response Team, Environmental Protection Agency
Woodbridge Ave., Edison, N.J. 08837
(201) 321-6660

Location: [illegible]

Collectors: [illegible]

Lab Number (Consec.#'s): NO 5615

Date Collected: Mo. [illegible] Day [illegible] Yr [illegible]

Time (24 hr): [illegible]

SOIL		LAND	VEGETATION	GROUNDWATER
Device	Soil Type	Upland-Dry	Old Field / Residential	Water Table Depth ____ Ft.
Auger	Rock	Lowland-Dry	Wooded / Industrial	Sample Depth ____ Ft.
Core	Gravel	Floodplain	Farmland / Commercial	Color:
Split Spoon	Sand	Wetland	Herbaceous ____ %	Odor:
Cylinder Cup	Clay	Gully	Shrubs ____ %	Oil:
Spa	Silt	Slope > 15°	Trees ____ %	Device:
Depth ____ Ft. or In.	Muck	< 15°	DBH ____ In.	
	Loam			
	Peat			
	Color:			

SURFACE WATER

Color: ____ Temp ____
Odor: ____ pH ____

STREAM Width ____ Ft.
Depth ____ Ft. or In.
Velocity ____ Ft/Sec
FLOW DIRECTION ____
Pools ____ % Riffles ____ %

Device	Surface	Bottom %
Kemmerer	Clean	Ooze
Petersen	Oil	Sand
Surber	Garbage	Gravel
Manual	Trash	Clay
Net	Bubbles	Rubble
Seine	Dead Fish	Rock
Trowl	Sewage	Shell
Bucket	Ind. Waste	Organic
	Float. Solids	

SAMPLE PREPARATION

Container	Cleaning Procedure
Glass Jar	Low→High Concentration
Plastic Jar	Detergent Wash
Metal	Water Rinse
Acetate Core	Acetone Rinse
Paper Cap	Hexane Rinse
Teflon Cap	Other Solvent Rinse
Foil Cap	Specify:
Storage	
Wet Ice	
Ambient	
Dry Ice	

TRANSECT INFORMATION

Letter	Station #
	1

Compass Direction ____

Distance Between Stations ____ to ____ is ____ Ft.

Remarks and Site Description

Drum 2 – liquid [illegible] suspended solids
pH – 6
HNU 400 ppm at bung
200 ppm 6" above bung
[illegible] ½ [illegible] liquid [illegible]
½ [illegible] solid

INTERNATIONAL TECHNOLOGY CORPORATION

Enviresponse, Inc
GSA Raritan Depot, Woodbridge Ave.
Building 209, Bay F
Edison, N. J. 08837
Attn. of: Ms. Janet Cullinane
N. J. Lab Certification ID# 12064

Job # 5702
Date:
Auth:
Lot #: 0485
Invoice #:
Sample Date: 5/21/86

	Sample #55915 A-05615, Liquid (ppm)	E. P. Toxicity Leachate (mg/L)	EPA Maximum Leachate Concentration (mg/L)
Cyanide	<1	-	-
Sulfide	24	-	-
Flash Point (°F)	<69	-	-
Corrosivity (mmpy)	<0.01	-	-
Arsenic	-	<0.01	5.0
Barium	-	0.17	100.0
Cadmium	-	0.02	1.0
Chromium	-	4.8	5.0
Lead	-	<0.05	5.0
Mercury	-	<0.002	0.2
Selenium	-	<0.01	1.0
Silver	-	0.01	5.0
Endrin	-	<0.01	0.02
Lindane	-	<0.01	0.4
Methoxychlor	-	<0.01	10.0
Toxaphene	-	<0.01	0.5
2,4-D	-	<0.01	10.0
2,4,5-TP	-	<0.01	1.0

ORGANICS ANALYSIS DATA SHEET SAMPLE #: B05615

LABORATORY: IT/CERR
LABORATORY ID: 36989EB12
MATRIX: ORGANIC LIQUIDS

CASE #/SAS #: IT-PAS-12
QC REPORT #: PAS-33
CONTRACT #: IT-PAS-599999-05-07
DATE RECEIVED: 05/22/86

DATA RELEASE AUTHORIZED BY:

VOLATILE COMPOUNDS

ALL SOLID RESULTS REPORTED ON A DRY WEIGHT BASIS

LEVEL:	MED
DATE EXT/PREP:	06/13/86
DATE ANALYZED:	06/13/86
SPL-->EXTRACT:	4.015G+10ML MEOH--100ul:10ml MEOH--10 10ml--5ml H2O
PH:	NA
% MOISTURE (NOT DEC.):	N/A
% MOISTURE (DEC.):	N/A
STANDARD ID:	MSVEB130
SENSITIVITY ID:	BFBEB101
UNITS:	UG/KG

* - USED FOR DRY WEIGHT CALCULATION

PP #	CAS #		CONC
45V	74-87-3	CHLOROMETHANE	30000000 U
46V	74-83-9	BROMOMETHANE	30000000 U
88V	75-01-4	VINYL CHLORIDE	30000000 U
16V	75-00-3	CHLOROETHANE	30000000 U
44V	75-09-2	METHYLENE CHLORIDE	6100000 JB
13H	67-64-1	ACETONE	44000000 B
15H	75-15-0	CARBON DISULFIDE	10000000 U
29V	75-35-4	1,1-DICHLOROETHENE	10000000 U
13V	75-34-3	1,1-DICHLOROETHANE	10000000 U
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	10000000 U
23V	67-66-3	CHLOROFORM	10000000 U
10V	107-06-2	1,2-DICHLOROETHANE	10000000 U
14H	78-93-3	2-BUTANONE	65000000 B
11V	71-55-6	1,1,1-TRICHLOROETHANE	10000000 U
6V	56-23-5	CARBON TETRACHLORIDE	10000000 U
19H	108-05-4	VINYL ACETATE	30000000 U
48V	75-27-4	BROMODICHLOROMETHANE	10000000 U
32V	78-87-5	1,2-DICHLOROPROPANE	10000000 U
33VT	10061-02-6	TRANS-1,3-DICHLOROPROPENE	10000000 U
87V	79-01-6	TRICHLOROETHENE	10000000 U
51V	124-48-1	CHLORODIBROMOMETHANE	10000000 U
14V	79-00-5	1,1,2-TRICHLOROETHANE	10000000 U
4V	71-43-2	BENZENE	10000000 U
33VC	10061-01-5	CIS-1,3-DICHLOROPROPENE	10000000 U
19V	110-75-8	2-CHLOROETHYLVINYL ETHER	30000000 U
47V	75-25-2	BROMOFORM	10000000 U
16H	519-78-6	2-HEXANONE	30000000 U
17H	108-10-1	4-METHYL-2-PENTANONE	30000000 U
85V	127-18-4	TETRACHLOROETHENE	10000000 U
15V	79-34-5	1,1,2,2-TETRACHLOROETHANE	10000000 U
86V	108-88-3	TOLUENE	30000000 B
7V	108-90-7	CHLOROBENZENE	10000000 U
38V	100-41-4	ETHYLBENZENE	51000000
18H	100-42-5	STYRENE	10000000 U
20H	95-47-6	TOTAL XYLENES	270000000

ANALYSIS DATA SHEET EPA SAMPLE NO. 505615

LABORATORY: IT/CERR
LABORATORY ID: 36989CJ13
MATRIX: ~~SOIL~~ Organic liquid SN
DATA RELEASE AUTHORIZED BY:

CASE #/SAS #: IT/PAS-12
QC REPORT #: PAS-33
CONTRACT #: IT/PAS-599994-05-07
DATE RECEIVED: 05/22/86

SEMIVOLATILE COMPOUNDS (PAGE 1)

ALL SOLID RESULTS REPORTED ON A DRY WEIGHT BASIS

LEVEL:	MEDIUM	GPC	Y_ N✓
DATE EXT/PREP:	05/28/86	SEP. FUNNEL	Y_ N✓
DATE ANALYZED:	06/10/86	CONT. EXT.	Y_ N✓
SPL-->EXTRACT:	100. G: 10ML--50UL: 1ML		
PH:	NA	N/A SN	
% MOISTURE (NOT DEC.):	0.00	~~NSW~~	
% MOISTURE (DEC.):	~~NSW~~	N/A	
STANDARD ID:	BDCEJ122		
SENSITIVITY ID:	DFTEJ111		
UNITS:	UG/KG		

* - USED FOR DRY WEIGHT CALCULATION

PP #	CAS #		CONC
65A	108-95-2	PHENOL	2000000U
18B	111-44-4	BIS (2-CHLOROETHYL) ETHER	2000000U
24A	95-57-8	2-CHLOROPHENOL	2000000U
26B	541-73-1	1,3-DICHLOROBENZENE	2000000U
27B	106-46-7	1,4-DICHLOROBENZENE	2000000U
6H	100-51-6	BENZYL ALCOHOL	2000000U
25B	95-50-1	1,2-DICHLOROBENZENE	2000000U
2H	95-48-7	2-METHYLPHENOL	2000000U
42B	39638-32-9	BIS (2-CHLOROISOPROPYL) ETHER	2000000U
3H	106-44-5	4-METHYLPHENOL	2000000U
63B	621-64-7	N-NITROSO-DI-N-PROPLYAMINE	2000000U
12B	67-72-1	HEXACHLOROETHANE	2000000U
56B	98-95-3	NITROBENZENE	2000000U
54B	78-59-1	ISOPHORONE	2000000U
57A	88-75-5	2-NITROPHENOL	2000000U
34A	105-67-9	2,4-DIMETHYLPHENOL	2000000U
1H	65-85-0	BENZOIC ACID	10000000U
43B	111-91-1	BIS (2-CHLOROETHOXY) METHANE	2000000U
31A	120-33-2	2,4-DICHLOROPHENOL	2000000U
8B	120-82-1	1,2,4-TRICHLOROBENZENE	2000000U
55B	91-20-3	NAPHTHALENE	2000000U
7H	106-47-8	4-CHLOROANILINE	2000000U
52B	87-68-3	HEXACHLOROBUTADIENE	2000000U
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	2000000U
9H	91-57-6	2-METHYLNAPHTHALENE	2000000U
53B	77-47-4	HEXACHLOROCYCLOPENTADIENE	2000000U
21A	88-06-2	2,4,6-TRICHLOROPHENOL	2000000U
4H	95-95-4	2,4,5-TRICHLOROPHENOL	10000000U
20B	91-58-7	2-CHLORONAPHTHALENE	2000000U
10H	88-74-4	2-NITROANILINE	10000000U
71B	131-11-3	DIMETHYLPHTHALATE	2000000U
77B	208-96-8	ACENAPHTHALENE	2000000U

ORGANICS ANALYSIS DATA SHEET SAMPLE #: 036813

LABORATORY: IT/CERR
LABORATORY ID: 36989CJ13
MATRIX: ~~SOIL~~ Organic liquid SN

CASE #/SAS #: IT/PAS-12
QC REPORT #: PAS-33
CONTRACT #: IT/PAS-599999-05-07
DATE RECEIVED: 05/22/86

DATA RELEASE AUTHORIZED BY:

SEMIVOLATILE COMPOUNDS (PAGE 2)

ALL SOLID RESULTS REPORTED ON A DRY WEIGHT BASIS

LEVEL:	MEDIUM	GPC	Y_ N✓
DATE EXT/PREP:	05/28/86	SEP. FUNNEL	Y_ N✓
DATE ANALYZED:	06/10/86	CONT. EXT.	Y_ N✓
SPL-->EXTRACT:	100. G: 10ML--50UL: 1ML		
PH:	NA		
% MOISTURE (NOT DEC.):	~~0.00~~ ~~NSW~~ N/A (EN)		
% MOISTURE (DEC.):	~~NSW~~ N/A		
STANDARD ID:	BDCEJ122		
SENSITIVITY ID:	DFTEJ111		
UNITS:	UG/KG		

* - USED FOR DRY WEIGHT CALCULATION

PP #	CAS #		CONC
11H	99-09-2	3-NITROANILINE	1000000U
1B	83-32-9	ACENAPHTHENE	200000U
59A	51-28-5	2,4-DINITROPHENOL	1000000U
58A	100-02-7	4-NITROPHENOL	1000000U
8H	132-64-9	DIBENZOFURAN	200000U
35B	121-14-2	2,4-DINITROTOLUENE	200000U
36B	606-20-2	2,6-DINITROTOLUENE	200000U
70B	84-66-2	DIETHYLPHTHALATE	200000U
40B	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	200000U
80B	86-73-7	FLUORENE	200000U
12H	100-01-6	4-NITROANILINE	1000000U
60A	534-52-1	4,6-DINITRO-O-CRESOL	1000000U
62B	86-30-6	N-NITROSODIPHENYLAMINE	200000U
41B	101-55-3	4-BROMOPHENOXYBENZENE	200000U
9B	118-74-1	HEXACHLOROBENZENE	200000U
64A	87-86-5	PENTACHLOROPHENOL	1000000U
81B	85-01-8	PHENANTHRENE	200000U
78B	120-12-7	ANTHRACENE	200000U
68B	84-74-2	DI-N-BUTYLPHTHALATE	200000U
39B	206-44-0	FLUORANTHENE	200000U
84B	129-00-0	PYRENE	200000U
67B	85-68-7	BUTYLBENZYLPHTHALATE	200000U
28B	91-94-1	3,3'-DICHLOROBENZIDINE	400000U
72B	56-55-3	BENZO (A) ANTHRACENE	200000U
66B	117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	200000U
76B	218-01-9	CHRYSENE	200000U
69B	117-84-0	DI-N-OCTYLPHTHALATE	200000U
74B	205-99-2	BENZO (B & K) FLUORANTHENE	200000U
73B	50-32-8	BENZO (A) PYRENE	200000U
83B	193-39-5	INDENO-1,2,3 (C,D) PYRENE	200000U
82B	53-70-3	DIBENZO (A,H) ANTHRACENE	200000U
79B	191-24-2	BENZO (G,H,I) PERYLENE	200000U

000349

Sample #: B05615

Laboratory: IT/Cerritos
Lab Sample ID: B05615
Sample Matrix: ~~Soil~~ Organic Liquid
Data Release Authorized By: PM/MS

Case #/SAS #: IT/PAS-121
QC Report #: PAS-33
Contract #: IT/PAS-599999-05-0
Date Rec'd: 5-28-86

Organics Analysis Data Sheet
Pesticide/PCB's

Column # — (for MB's)

Sample Level: Medium
Date Extracted: 5-29-86
Date 1° Analyzed: 6-4-86
Spl->Extract: 2.01g →10ml, 10ml →10ml
For Dilution: Hg; 1→10
pH: N/A
% Moisture (Not Dec.): N/A
% Moisture (Decanted): N/A

1° Sample File ID: AS-PO-154-1037
1° Std File ID: AS-PO-154-1005, 10
2° Sample File ID: N/A
2° Std File ID:

GPC Clean-up __ Y ✓ N
Sep. Funnel Ext. __ Y ✓ N
Cont. L-L Ext. __ Y ✓ N
Sonication Ext. ✓ Y __ N

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

			Q
319-84-6	alpha-BHC	200U	
319-85-7	beta-BHC		
319-86-8	delta-BHC		
58-89-9	gamma-BHC (Lindane)		
76-44-8	Heptachlor		
309-00-2	Aldrin		
1024-57-3	Heptachlor Epoxide		
959-98-8	Endosulfan I		
60-57-1	Dieldrin	500U	
72-55-9	4,4'-DDE		
72-20-8	Endrin		
33213-65-9	Endosulfan II		
72-54-8	4,4'-DDD		
1031-07-8	Endosulfan Sulfate		
50-29-3	4,4'-DDT		
72-43-5	Methoxychlor	2000U	
53494-70-5	Endrin Ketone	500U	
57-74-9	Chlordane	2000U	
8001-35-2	Toxaphene	5000U	
12674-11-2	Arochlor-1016	2000U	
11104-28-2	Arochlor-1221		
11141-16-5	Arochlor-1232		
53469-21-9	Arochlor-1242		
12672-29-6	Arochlor-1248		
11097-69-1	Arochlor-1254	5000U	
11096-82-5	Arochlor-1260		

ALL SOLID RESULTS ARE REPORTED ON DRY WEIGHT BASIS

Additional Sample Specific Qualifiers:

1° - Primary Analysis
2° - Secondary Analysis
Q - (1° or 2°) Column used for Quantitation

V_i = Vol of ext inj (ul)
V_a = Vol of water ext'd (ml)
W_s = Wt of sample ext'd (g)
V_t = Vol of total ext (ul)

V_a N/A ml or
W_s 2.01 g
V_t 100,000 ul
V_i 5 ul

Surrogate Spike Recoveries

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

Compound	Conc. Sample	Q	Conc. Spiked	% Recovery
Dibutyl Chlorendate	510	1°	500	102

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

LABORATORY: IT/CERR
LABORATORY ID: 36989EB12
MATRIX: ORGANIC LIQUIDS
DATA RELEASE AUTHORIZED BY: [signature]

CASE #/SAS #: IT-PAS-12
QC REPORT #: PAS-33
CONTRACT #: IT-PAS-599999-05-0[illegible]
DATE RECEIVED: 05/22/86

VOLATILE COMPOUNDS

(ALL SOLID RESULTS REPORTED ON A DRY WEIGHT BASIS)

LEVEL: MED
DATE EXT/PREP: 06/13/86
DATE ANALYZED: 06/13/86
SPL-->EXTRACT: 4.015G+10MLMEOH--100ul: 10ml MEOH--100. 10ml MEOH--50ul+50[illegible] MEOH: 5mls
PH: NA
% MOISTURE (NOT DEC.): N/A
% MOISTURE (DEC.): N/A
STANDARD ID: MSVEB130
SENSITIVITY ID: BFBEB101
UNITS: UG/KG

* - USED FOR DRY WEIGHT CALCULATION

LAB ID	COMPOUND	SAMPLE	SPIKED	% RECOVERY
	TOLUENE-D8	118000000	125000000	94
36989EB12	4-BROMOFLUOROBENZENE	120000000	125000000	96
	1,2-DICHLOROETHANE-D4	133000000	125000000	106

* - ASTERISKED VALUES ARE OUTSIDE QC LIMITS   NS - NOT SPIKED
\# - ________ RECOVERIES DUE TO DILUTION
$ - ________ RECOVERIES DUE TO MATRIX EFFECTS

TENTATIVELY IDENTIFIED COMPOUNDS

	CAS #	COMPOUND NAME	SCAN #	CONC(J)
1	—	unknown	35	20,000,000
2	—	unknown	57	10,000,000
3	—	unknown	271	20,000,000
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

LABORATORY: IT/CERR
LABORATORY ID: 36989CJ13
MATRIX: ~~SOIL~~ Organic liquid (SN)
DATA RELEASE AUTHORIZED BY: [signature]

CASE #/SAS #: IT/PAS-12
QC REPORT #: PAS-33
CONTRACT #: IT/PAS-599999-05-
DATE RECEIVED: 05/22/86

SEMIVOLATILE COMPOUNDS
(ALL SOLID RESULTS REPORTED ON A DRY WEIGHT BASIS)

LEVEL:	MEDIUM	GPC	Y_ N✓
DATE EXT/PREP:	05/28/86	SEP. FUNNEL	Y_ N✓
DATE ANALYZED:	06/10/86	CONT. EXT.	Y_ N✓
SPL-->EXTRACT:	100. G: 10ML--50UL: 1ML		
PH:	N/A		
% MOISTURE (NOT DEC.):	~~0.00~~ ~~N/A~~ (SN)		
% MOISTURE (DEC.):	~~NSW~~ N/A		
STANDARD ID:	BDCEJ122		
SENSITIVITY ID:	DFTEJ111		
UNITS:	UG/KG		

* - USED FOR DRY WEIGHT CALCULATION

SURROGATE SPIKE RECOVERIES

LAB ID	COMPOUND	SAMPLE	SPIKED	% RECOVERY
	NITROBENZENE-D5	2000000. U	50900.	0 * #
	2-FLUOROBIPHENYL	2000000. U	50100.	0 * #
36989CJ13	P-TERPHENYL-D14	2000000. U	53000.	0 * #
	PHENOL-D5	2000000. U	103000.	0 * #
	2-FLUOROPHENOL	2000000. U	102000.	0 * #
	2,4,6-TRIBROMOPHENOL	2000000. U	102000.	0 * #

* - ASTERISKED VALUES ARE OUTSIDE QC LIMITS NS - NOT SPIKED
\# - LOW RECOVERIES DUE TO DILUTION
$ - _____ RECOVERIES DUE TO MATRIX EFFECTS

TENTATIVELY IDENTIFIED COMPOUNDS

	CAS #	COMPOUND NAME	SCAN #	CONC(J)
1	100-41-4	Ethyl benzene	365	40,000,000
2	-	xylenes	381	80,000,000
3	-	Hydrocarbon	381c	5,000,000
4	-	xylenes	41[illegible]	5[illegible],000,000
5	-	Hydrocarbon	424	5,000,000
6	-	Unknown	1559	2,000,000
7				
8				
9				
10		Methylene Chloride/Acetone Reaction Products		
11		Reported in Method Blank		
12				
13				
14				
15				
16				
17				
18				
19				
20				

Laboratory: IT/Cerritos

Organics Analysis Data Sheet
Data Reporting Qualifiers

General Data Qualifiers:

Value - Concentration Found (Value ≥ DL)
DL - Detection Limit
U - Analyzed for but not detected (Reported Value is Detection Limit)
J - Estimated Value: Target Compound - 0 < Value < DL; or
Tent. ID's - A 1:1 response is assumed for Quantitation.
B - Compound found in Blank. Sample results are not Blank Corrected.
N/A - Not Analyzed
NR - Not Reported
NS - Not Spiked

Pesticide Qualifiers:

C - Confirmed by GC/MS; GC Quantitation Reported
** - Detected and Confirmed by GC below GC/MS DL;
GC Quantitation Reported
N - Not Confirmed by GC/MS; Attempted and unsuccessful
**N - GC/MS Confirmation attempted and unsuccessful because concentration is < GC/MS DL; GC Quantitation reported
UN - GC/MS Confirmation attempted and unsuccessful although suspect compound concentration is >GC/MS DL; GC/MS DL Reported
UNI - GC/MS Confirmation attempted and unsuccessful due to interferences although suspect compound concentration is >GC/MS DL;
Adjusted GC/MS DL Reported
LID - Lost In Dilution; Sample was diluted so much that Dibutyl chlorendate was Lost In Dilution.
CEP - Co-Eluting Peak; An apparent shift in Dibutyl chlorendate RT was caused by a Co-Eluting Peak, not a true unacceptable RT Shift.

Surrogate and Spike Qualifiers:

* - Asterisked Values are outside QC Limits
# - High/Low Recoveries due to Dilution.
$ - High/Low Recoveries due to Matrix Effects.

Soil Sample Result Qualifiers:

% Moisture * - % Moisture value used for Dry Weight Calculations
NOTE: % Moisture(type) used in caluclation should match Sample weight(type).

NSW - No Standing Water
%M(n) - % Moisture (Not Decanted)
%M(d) - % Moisture (Decanted)
g(n) - Sample weight taken from sample which was Not Decanted
g(d) - Sample weight taken from sample which was Decanted

000352

Case #/SAS #: IT PAS-12
Level: Medium
Matrix: (Low) ~~Soil~~ Organic Liquid
QC Report #: PAS-33

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

Contract #: IT/PAS-59999-05-07
Sample #: B05615RE
Units: ug/Kg

Fraction	Compound	ug/Kg Spiked	Conc. Sample	Conc. MS	% Rec. MS	Conc. MSD	% Rec. MSD	RPD	OC Limits * RPD	OC Limits * Recovery
Pest.	Lindane (gamma-BHC)	1005	0 (200U)	1090	109	1090	108	0	<50	46-127
SMO	Heptachlor	1040	0 (200U)	906	87	932	90	#2.93	<31	35-130
Sample #	Aldrin	1005	0 (200U)	900	90	906	90	0	<43	34-132
	Dieldrin	2550	0 (500U)	2780	109	2730	107	2	<38	31-134
B05615C6	Endrin	2505	0 (500U)	2450	98	2460	98	0	<45	42-139
	4,4'-DDT	2490	0 (500U)	2480	100	2560	103	3	<50	23-134
	Dibutyl chlorendate **	506	510	250J	50	3000U	0 #	100	—	20-150

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

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

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

RPD: Pests 0 out of 7 outside QC Limits

Recovery: Pests 1 out of 14 outside QC Limits

Comments: _____

Summary of Unspiked HSL's

Fraction	Compound	Conc. Sample	Conc. MS	Conc. MSD	RPD
Pest.	B-BHC	200U	700	810	15

Note: This section lists compounds on the HSL which were found in the Sample, MS, and/or MSD. It does not include Tentatively Identified compounds which may have been found in the Sample.

Rev 8/85

FIELD DATA SHEET

Environmental Response Team, Environmental Protection Agency
Woodbridge Ave., Edison, N.J. 08837
(201) 321-6660

Location: Belvidere Landfill

Col[redacted] Smith Sim

Lab Number (Consec.#'s): NO 5610

Date Collected: Mo. 07 Day 17 Yr. 87

Time (24 hr): 1045

SOIL		LAND	VEGETATION	GROUNDWATER
Device	Soil Type	Upland-Dry	Old Field / Residential	Water Table Depth ____ Ft.
Auger	Rock	Lowland-Dry	Wooded / Industrial	
Core	Gravel	Floodplain	Farmland / Commercial	Sample Depth ____ Ft.
Split Spoon	Sand	Wetland	Herbaceous ____ %	
Cylinder Cup	Clay	Gully	Shrubs ____ %	Color:
Spade	Silt	Slope > 15° / < 15°	Trees ____ %	Odor:
Depth ____ Ft. or In.	Muck		DBH ____ In.	Oil:
	Loam			Device:
	Peat			
	Color:			

SURFACE WATER				SAMPLE PREPARATION	
Color: ____ Temp ____	Device	Surface	Bottom %	Container	Cleaning Procedure
Odor: ____ pH ____	Kemmerer	Clean	Ooze	Glass Jar	Low → High Concentratio
STREAM Width ____ Ft.	Petersen	Oil	Sand	Plastic Jar	Detergent Wash
Depth ____ Ft. or In.	Surber	Garbage	Gravel	Metal	Water Rinse
Velocity ____ Ft/Sec	Manual	Trash	Clay	Acetate Core	Acetone Rinse
FLOW DIRECTION ____	Net	Bubbles	Rubble	Paper Cap	Hexane Rinse
Pools ____ % Riffles ____ %	Seine	Dead Fish	Rock	Teflon Cap	Other Solvent Rinse
	Trowl	Sewage	Shell	Foil Cap	Specify:
	Bucket	Ind. Waste	Organic	Storage	
		Float. Solids		Wet Ice	
				Ambient	
				Dry Ice	

TRANSECT INFORMATION

Letter	Station #
	1

Compass Direction ____ — ____

Distance Between Stations ____ to ____ is ____ Ft.

Remarks and Site Description

Drum 1 - solid; grey/brown friable s...

RCRA test

[illegible] full

[illegible] tanks

[illegible] to pallet

INTERNATIONAL TECHNOLOGY CORPORATION

Enviresponse, Inc
GSA Raritan Depot, Woodbridge Ave.
Building 209, Bay F
Edison, N. J. 08837
Attn. of: Ms. Janet Cullinane
N. J. Lab Certification ID# 12064

Job # 5702
Date:
Auth:
Lot #: 0485
Invoice #:
Sample Date: 5/21/86

	Sample #55910 A-05610, Solid (ppm)	E. P. Toxicity Leachate (mg/L)	EPA Maximum Leachate Concentration (mg/L)
Cyanide	3.2	-	-
Sulfide	<4	-	-
Ignitability	Non-Ignitable	-	-
Corrosivity (mmpy)	0.06	-	-
Arsenic	-	<0.01	5.0
Barium	-	0.19	100.0
Cadmium	-	0.01	1.0
Chromium	-	<0.18	5.0
Lead	-	<0.05	5.0
Mercury	-	<0.002	0.2
Selenium	-	<0.01	1.0
Silver	-	0.02	5.0
Endrin	-	<0.01	0.02
Lindane	-	<0.01	0.4
Methoxychlor	-	<0.01	10.0
Toxaphene	-	<0.01	0.5
2,4-D	-	<0.01	10.0
2,4,5-TP	-	<0.01	1.0

FIELD DATA SHEET

Environmental Response Team, Environmental Protection Agency
Woodbridge Ave., Edison, N.J. 08837
(201) 321-6660

Location: Bofinders Landfill

Smith Pump Ten

Lab Number (Consec.#'s): NO 5612

Date Collected: Mo 05 Day 21 Yr 86

Time (24 hr): 1235

SOIL	LAND	VEGETATION	GROUNDWATER
Device / Soil Type: Rock, Gravel, Sand, Clay, Silt, Muck, Loam, Peat, Color: ____	Upland-Dry, Lowland-Dry, Floodplain, Wetland, Gully; Slope >15° <15°	Old Field, Residential, Wooded, Industrial, Farmland, Commercial; Herbaceous ___%, Shrubs ___%, Trees ___%, DBH ___ in.	Water Table Depth ___ Ft.; Sample Depth ___ Ft.; Color: ___; Odor: ___; Oil: ___; Device: ___

SURFACE WATER	Device	Surface	Bottom %	Container	Cleaning Procedure
Temp ___; pH ___; Depth ___ Ft. or in.; Velocity ___ Ft/Sec; Riffles ___%	Kemmerer, Petersen, Surber, Manual, Net, Seine, Trawl, Bucket	Clean, Oil, Garbage, Trash, Bubbles, Dead Fish, Sewage, Ind. Waste, Float. Solids	Ooze, Sand, Gravel, Clay, Rubble, Rock, Shell, Organic	Glass Jar, Plastic Jar, Metal, Acetate Core, Paper Cap, Teflon Cap, Foil Cap; Storage: Wet Ice, Ambient, Dry Ice	Low→High Concentratic, Detergent Wash, Water Rinse, Acetone Rinse, Hexane Rinse, Other Solvent Rinse, Specify:

TRANSECT INFORMATION

Letter / Station #: 02

Compass Direction ____ — ____

Distance Between Stations ___ to ___ is ___ Ft

Remarks and Site Description

Drum 4 — dark brown soil w/ asphalt-like particles — oily appearance

RCPA

INTERNATIONAL TECHNOLOGY CORPORATION

Enviresponse, Inc
GSA Raritan Depot, Woodbridge Ave.
Building 209, Bay F
Edison, N. J. 08837
Attn. of: Ms. Janet Cullinane
N. J. Lab Certification ID# 12064

Job # 5702
Date:
Auth:
Lot #: 0485
Invoice #:
Sample Date: 5/21/86

	Sample #55912 A-05612,Solid (ppm)	E. P. Toxicity Leachate (mg/L)	EPA Maximum Leachate Concentration (mg/L)
Cyanide	<1	-	-
Sulfide	<4	-	-
Ignitability	Non-Ignitable	-	-
Corrosivity (mmpy)	<0.01	-	-
Arsenic	-	<0.01	5.0
Barium	-	0.32	100.0
Cadmium	-	<0.008	1.0
Chromium	-	0.22	5.0
Lead	-	2.4	5.0
Mercury	-	<0.002	0.2
Selenium	-	<0.01	1.0
Silver	-	0.02	5.0
Endrin	-	<0.01	0.02
Lindane	-	<0.01	0.4
Methoxychlor	-	<0.01	10.0
Toxaphene	-	<0.01	0.5
2,4-D	-	<0.01	10.0
2,4,5-TP	-	<0.01	1.0

000357

FIELD DATA SHEET

Environmental Response Team, Environmental Protection Agency
Woodbridge Ave., Edison, N.J. 08837
(201) 321-6660

Location: Belvidere

Collectors: Smith, Thomp

Lab Number (Consec.#'s) No 5611

Date Collected Mo 03 Day 27 Yr 87

Time (24 hr) 1050

SOIL

Device: Auger, Core, Split Spoon, Cylinder Cup, Spade, Depth Ft. or In.

Soil Type: Rock, Gravel, Sand, Clay, Silt, Muck, Loam, Peat, Color:

LAND

Upland-Dry, Lowland-Dry, Floodplain, Wetland, Gully

Slope > 15° < 15°

VEGETATION

Old Field, Residential, Wooded, Industrial, Farmland, Commercial

Herbaceous ____ %
Shrubs ____ %
Trees ____ %
DBH ____ In.

GROUNDWATER

Water Table Depth ____ Ft.

Sample Depth ____ Ft.

Color:
Odor:
Oil:
Device:

SURFACE WATER

Temp
Depth Ft. or In.
Velocity Ft/Sec
Turbidity
Color % Clear %

Device: Kemmerer, Peterson, Surber, Manual, Net, Seine, Trowl, Bucket

Surface: Clean, Oil, Garbage, Trash, Bubbles, Dead Fish, Sewage, Ind. Waste, Float. Solids

Bottom %: Ooze, Sand, Gravel, Clay, Rubble, Rock, Shell, Organic

SAMPLE PREPARATION

Container: Glass Jar, Plastic Jar, Metal, Acetate Core, Paper Cap, Teflon Cap, Foil Cap

Storage: Wet Ice, Ambient, Dry Ice

Cleaning Procedure: Low or High Concentratic, Distilled Water Rinse, Methanol Rinse, Acetone Rinse, Hexane Rinse, Other Solvent Rinse, Specify:

TRANSECT INFORMATION

Letter | Station # 1

Compass Direction ____ — ____

Distance Between Stations ____ to ____ is ____ Ft

Remarks and Site Description

Drum 3 -- solid, black oily =
drum ~ 50% full

INTERNATIONAL TECHNOLOGY CORPORATION

Enviresponse, Inc
GSA Raritan Depot, Woodbridge Ave.
Building 209, Bay F
Edison, N. J. 08837
Attn. of: Ms. Janet Cullinane
N. J. Lab Certification ID# 12064

Job # 5702
Date:
Auth:
Lot #: 0485
Invoice #:
Sample Date: 5/21/86

	Sample #55911 A-05611, Solid (ppm)	E. P. Toxicity Leachate (mg/L)	EPA Maximum Leachate Concentration (mg/L)
Cyanide	<1	-	-
Sulfide	<4	-	-
Ignitablity	Non-Ignitable	-	-
Corrosivity (mmpy)	0.01	-	-
Arsenic	-	<0.01	5.0
Barium	-	<0.09	100.0
Cadmium	-	<0.008	1.0
Chromium	-	<0.18	5.0
Lead	-	<0.05	5.0
Mercury	-	<0.002	0.2
Selenium	-	<0.01	1.0
Silver	-	0.01	5.0
Endrin	-	<0.01	0.02
Lindane	-	<0.01	0.4
Methoxychlor	-	<0.01	10.0
Toxaphene	-	<0.01	0.5
2,4-D	-	<0.01	10.0
2,4,5-TP	-	<0.01	1.0

INTERNATIONAL TECHNOLOGY CORPORATION

Enviresponse, Inc
GSA Raritan Depot, Woodbridge Ave.
Building 209, Bay F
Edison, N. J. 08837
Attn. of: Ms. Janet Cullinane
N. J. Lab Certification ID# 12064

Job # 5702
Date:
Auth:
Lot #: 0485
Invoice #:
Sample Date: 5/21/86

	Sample #55913 A-05613, Semi-Solids (ppm)	E. P. Toxicity Leachate (mg/L)	EPA Maximum Leachate Concentration (mg/L)
Cyanide	<1	-	-
Sulfide	<4	-	-
Ignitability	Non-Ignitable	-	-
Corrosivity (mmpy)	<0.01	-	-
Arsenic	-	<0.01	5.0
Barium	-	31	100.0
Cadmium	-	<0.008	1.0
Chromium	-	<0.18	5.0
Lead	-	0.08	5.0
Mercury	-	<0.002	0.2
Selenium	-	<0.01	1.0
Silver	-	0.01	5.0
Endrin	-	<0.01	0.02
Lindane	-	<0.01	0.4
Methoxychlor	-	<0.01	10.0
Toxaphene	-	<0.01	0.5
2,4-D	-	<0.01	10.0
2,4,5-TP	-	<0.01	1.0