6538 501

Sample #
FD013MSD

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: Acurex Corporation
Client Sample ID No: Soil-0e7-2MSD
Matrix Matrix: Soil
Data Release Authorized By: R. Scott

Case No: 6538
GC Report No:
Contract No: 68-01-7141
Date Sample Received: 11/26/86

Volatile Compounds
Concentration: Low
Date Prepared: 12/05/86
Date Analyzed: 12/05/86
Conc. Factor: 1 pH: 6.1
Percent Moisture Not Decanted: 24

CAS Number		ug/kg		CAS Number		ug/kg	
74-87-3	Chloromethane	10	U	78-87-5	1,2-Dichloropropane	7	U
74-83-9	Bromomethane	10	U	10061-02-6	Trans-1,3-Dichloropropene	7	U
75-01-4	Vinyl Chloride	10	U	79-01-6	Trichloroethene	52	Spike
75-00-3	Chloroethane	10	U	124-48-1	Dibromochloromethane	7	U
75-09-2	Methylene Chloride	120		79-00-5	1,1,2-Trichloroethane	7	U
67-64-1	Acetone	10	U	71-43-2	Benzene	80	Spike
75-15-0	Carbon Disulfide	7	U	10061-01-5	cis-1,3-Dichloropropene	7	U
75-35-4	1,1-Dichloroethene	30	Spike	110-75-8	2-Chloroethylvinylether	10	U
75-34-3	1,1-Dichloroethane	7	U	75-25-2	Bromoform	7	U
156-60-5	Trans-1,2-Dichloroethene	7	U	108-10-1	4-Methyl-2-Pentanone	10	U
67-66-3	Chloroform	7	U	591-78-6	2-Hexanone	10	U
107-06-2	1,2-Dichloroethane	7	U	127-18-4	Tetrachloroethene	7	U
78-93-3	2-Butanone	10	U	79-34-5	1,1,2,2-Tetrachloroethane	7	U
71-55-6	1,1,1-Trichloroethane	7	U	108-88-3	Toluene	72	Spike
56-23-5	Carbon Tetrachloride	7	U	108-90-7	Chlorobenzene	58	Spike
108-05-4	Vinyl Acetate	10	U	100-41-4	Ethylbenzene	7	U
75-27-4	Bromodichloromethane	7	U	100-42-5	Styrene	7	U
					Total Xylenes	7	U

Flags
U Compound was analyzed for but not detected.
J Estimated value. Compound present but at less than the specified detection limit.
P Pesticide confirmed by GC/MS.
B Compound found in blank as well as sample. Possible blank contamination.

00000112

003038

1002645

Laboratory Name: Figure 1
Case No: 6538

Sample #
FB/05MSD

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration: Low
Date Extracted: 12/02/86
Date Analyzed: 12/09/86
Conc. Factor: 28.5
Percent Moisture (Decanted): 17

GPC Cleanup ___Yes _X_No
Separatory Funnel Extraction ___Yes
Continuous Liquid-Liquid Extraction ___Yes

CAS Number		ug/Kg		CAS Number		ug/Kg	
108-95-2	Phenol	2700	Spike	83-32-9	Acenaphthene	1200	Spike
111-44-4	bis(2-Chloroethyl)Ether	400	U	51-28-5	2,4-Dinitrophenol	2000	U
95-57-8	2-Chlorophenol	2700	Spike	100-02-7	4-Nitrophenol	2,00	Spike
541-73-1	1,3-Dichlorobenzene	400	U	132-64-9	Dibenzofuran	400	U
106-46-7	1,4-Dichlorobenzene	1100	Spike	121-14-2	2,4-Dinitrotoluene	1100	Spike
100-51-6	Benzyl Alcohol	400	U	606-20-2	2,6-Dinitrotoluene	400	U
95-50-1	1,2-Dichlorobenzene	400	U	84-66-2	Diethylphthalate	400	U
95-48-7	2-Methylphenol	400	U	7005-72-3	4-Chlorophenyl-phenylether	400	U
39638-32-9	bis 2-Chloroisopropyl Ether	400	U	86-73-7	Fluorene	400	U
106-44-5	4-Methylphenol	400	U	100-01-6	4-Nitroaniline	2000	U
621-64-7	N-Nitroso-Di-n-Propylamine	1100	Spike	534-52-1	4,6-Dinitro-2-Methylphenol	2000	U
67-72-1	Hexachloroethane	400	U	86-30-6	N-Nitrosodiphenylamine (1)	190	J B
98-95-3	Nitrobenzene	400	U	101-55-3	4-Bromophenyl-phenylether	400	U
78-59-1	Isophorone	400	U	118-74-1	Hexachlorobenzene	400	U
88-75-5	2-Nitrophenol	400	U	87-86-5	Pentachlorophenol	1400	J Spike
105-67-9	2,4-Dimethylphenol	400	U	85-01-8	Phenanthrene	400	U
65-85-0	Benzoic Acid	2000	U	120-12-7	Anthracene	400	U
111-91-1	bis(2-Chloroethoxy)Methane	400	U	84-74-2	Di-n-Butylphthalate	1400	Spike
120-83-2	2,4-Dichlorophenol	400	U	206-44-0	Fluoranthene	400	U
120-82-1	1,2,4-Trichlorobenzene	1200	Spike	129-00-0	Pyrene	1600	Spike
91-20-3	Naphthalene	400	U	85-68-7	Butylbenzylphthalate	400	U
106-47-8	4-Chloroaniline	400	U	91-94-1	3,3'-Dichlorobenzidine	800	U
87-68-3	Hexachlorobutadiene	400	U	56-55-3	Benzo(a)Anthracene	400	U
59-50-7	4-Chloro-3-Methylphenol	2600	Spike	117-81-7	bis(2-Ethylhexyl)Phthalate	400	U
91-57-6	2-Methylnaphthalene	400	U	218-01-9	Chrysene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U	117-84-0	Di-n-Octyl Phthalate	400	U
88-06-2	2,4,6-Trichlorophenol	400	U	205-99-2	Benzo(b)Fluoranthene	400	U
95-95-4	2,4,5-Trichlorophenol	2000	U	207-08-9	Benzo(k)Fluoranthene	400	U
91-58-7	2-Chloronaphthalene	400	U	50-32-8	Benzo(a)Pyrene	400	U
88-74-4	2-Nitroaniline	2000	U	193-39-5	Indeno(1,2,3-cd)Pyrene	400	U
131-11-3	Dimethylphthalate	400	U	53-70-3	Dibenz(a,h)Anthracene	400	U
208-96-8	Acenaphthylene	400	U	191-24-2	Benzo(g,h,i)Perylene	400	U
99-09-2	3-Nitroaniline	2000	U				

(1)-Cannot be separated from diphenylamine

6538 506

[illegible]

[illegible]
[illegible]
Page 1
Pesticides PCBs

[illegible]: [illegible]
Date Extracted: 12/07/86
Date Analyzed: 12/11/86
Conc. Factor: .15
Per [illegible] Aliquot: 1/

[illegible] Separatory Funnel Extraction ___Yes
Continuous Liquid-Liquid Extraction ___Yes

CAS Number		Conc.	
319-84-6	Alpha-BHC	[illegible]	U
319-85-7	Beta-BHC	6	
319-86-8	Delta-BHC	12	
58-89-9	Gamma-BHC (Lindane)	13	Surr e
76-44-8	Heptachlor	12	Spike
1024-57-3	Heptachlor Epoxide	37	Spi e
959-98-8	Endosulfan I	10	U
60-57-1	Dieldrin	10	
72-55-9	4,4'-DDE	20	Spike
72-20-8	Endrin	20	U
33213-65-9	Endosulfan II	76	Spi e
72-54-8	4,4'-DDD	20	
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin Ketone	20	U
7421-93-4	Endrin Aldehyde	28	Sp ke
5103-71-9	alpha-Chlordane	[illegible]	[illegible]
5103-74-2	gamma-Chlordane	5	I
8001-35-2	Toxaphene	[illegible]	
12674-11-2	Aroclor-1016	[illegible]	U
11104-28-2	Aroclor-1221	[illegible]	U
11141-16-5	Aroclor-1232	[illegible]	U
53469-21-9	Aroclor-1242	100	U
12672-29-6	Aroclor-1248	[illegible]	I
11097-69-1	Aroclor-1254	200	U
11096-82-5	Aroclor-1260	200	U

Vi(i) = Volume of extract injected (u
Ve(e) = Volume of water extracted mL
Ws(s) = Weight of soil extracted (g)
V(t) = Volume of total extract (uL)

[illegible] (or Ws) = 30 V(t) = 10000 V(i) = 2

Sample #
FC018MS

Organics Analysis Data Sheet
Page 1

Laboratory Name: Acurex Corporation
Lab Sample ID No: 8611-067-2MS
Sample Matrix: Soil
Data Release Authorized by: R. Scott

Case No: 6538
GC Report No:
Contract No: 68-01-7142
Date Sample Received: 12/05/86

Volatile Compounds
Concentration: Low
Date Prepared: 12/05/86
Date Analyzed: 12/05/86
Conc. Factor: 1 pH: 9.1
Percent Moisture (Not Decanted): 24

CAS Number		ug/Kg		CAS Number		ug/Kg	
74-87-3	Chloromethane	10 U		78-87-5	1,2-dichloropropane	7 U	
74-83-9	Bromomethane	10 U		10061-02-6	Trans-1,3-Dichloropropene	7 U	
75-01-4	Vinyl Chloride	10 U		79-01-6	Trichloroethene	64	Spike
75-00-3	Chloroethane	10 U		124-48-1	Dibromochloromethane	7 U	
75-09-2	Methylene Chloride	120		79-00-51	1,1,2-Trichloroethane	7 U	
67-64-1	Acetone	10 U		71-43-2	Benzene	78	Spike
75-15-0	Carbon Disulfide	7 U		10061-01-5	cis-1,3-Dichloropropene	2 J	
75-35-4	1,1-Dichloroethene	71	Spike	110-75-8	2-Chloroethylvinylether	10 U	
75-34-3	1,1-Dichloroethane	7 U		75-25-28	Bromoform	7 U	
156-60-5	Trans-1,2-Dichloroethene	7 U		108-10-1	4-Methyl-2-Pentanone	10 U	
67-66-3	Chloroform	7 U		591-78-6	2-Hexanone	10 U	
107-06-2	1,2-Dichloroethane	7 U		127-18-4	Tetrachloroethene	7 U	
78-93-3	2-Butanone	10 U		79-34-5	1,1,2,2-Tetrachloroethane	7 U	
71-55-6	1,1,1-Trichloroethane	7 U		108-88-3	Toluene	73	Spike
56-23-5	Carbon Tetrachloride	7 U		108-90-7	Chlorobenzene	7 U	Spike
108-05-4	Vinyl Acetate	10 U		100-41-4	Ethylbenzene	7 U	
75-27-4	Bromodichloromethane	7 U		100-42-5	Styrene	7 U	
					Total Xylenes	2 J	

Flags
U Compound was analyzed for but not detected.
J Estimated value. Compound present but at less than the specified detection limit.
C Pesticide confirmed by GC/MS.
B Compound found in blank as well as sample. Possible blank contamination.

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Laboratory Name: Acutec
Case No: 2033

Sample #
SB009MS

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration: Low
Date Extracted: 12/02/86
Date Analyzed: 12/08/86
Conc. Factor: 28.5
Percent Moisture (Decanted): 17

GPC Cleanup ___Yes _X_No
Separatory Funnel Extraction ___Yes
Continuous Liquid-Liquid Extraction ___Yes

No data missing/qw

No data missing/qw

CAS Number		ug/kg		CAS Number		ug/kg	
108-95-2	Phenol	2000	Spike	83-32-9	Acenaphthene	1000	Spike
111-44-4	bis(2-Chloroethyl)Ether	400	U	51-28-5	2,4-Dinitrophenol	2000	U
95-57-8	2-Chlorophenol	2100	Spike	100-02-7	4-Nitrophenol	2600	Spike
541-73-1	1,3-Dichlorobenzene	400	U	132-64-9	Dibenzofuran	400	U
106-46-7	1,4-Dichlorobenzene	900	Spike	121-14-2	2,4-Dinitrotoluene	1000	Spike
100-51-6	Benzyl Alcohol	400	U	606-20-2	2,6-Dinitrotoluene	400	U
95-50-1	1,2-Dichlorobenzene	400	U	84-66-2	Diethylphthalate	400	U
95-48-7	2-Methylphenol	400	U	7005-72-3	4-Chlorophenyl-phenylether	400	U
39638-32-9	bis(2-Chloroisopropyl)Ether	400	U	86-73-7	Fluorene	400	U
106-44-5	4-Methylphenol	400	U	100-01-6	4-Nitroaniline	2000	U
621-64-7	N-Nitroso-Di-n-Propylamine	980	Spike	534-52-1	4,6-Dinitro-2-Methylphenol	2000	U
67-72-1	Hexachloroethane	400	U	86-30-6	N-Nitrosodiphenylamine (1)	290	J B
98-95-3	Nitrobenzene	400	U	101-55-3	4-Bromophenyl-phenylether	400	U
78-59-1	Isophorone	400	U	118-74-1	Hexachlorobenzene	400	U
88-75-5	2-Nitrophenol	400	U	87-86-5	Pentachlorophenol	2200	Spike
105-67-9	2,4-Dimethylphenol	400	U	85-01-8	Phenanthrene	400	U
65-85-0	Benzoic Acid	1000	U	120-12-7	Anthracene	400	U
111-91-1	bis(2-Chloroethoxy)Methane	400	U	84-74-2	Di-n-Butylphthalate	1400	Spike
120-83-2	2,4-Dichlorophenol	400	U	206-44-0	Fluoranthene	400	U
120-82-1	1,2,4-Trichlorobenzene	880	Spike	129-00-0	Pyrene	1400	Spike
91-20-3	Naphthalene	400	U	85-68-7	Butylbenzylphthalate	400	U
106-47-8	4-Chloroaniline	400	U	91-94-1	3,3'-Dichlorobenzidine	800	U
87-68-3	Hexachlorobutadiene	400	U	56-55-3	Benzo(a)Anthracene	400	U
59-50-7	4-Chloro-3-Methylphenol	2200	Spike	117-81-7	bis(2-Ethylhexyl)Phthalate	400	U
91-57-6	2-Methylnaphthalene	400	U	218-01-9	Chrysene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U	117-84-0	Di-n-Octyl Phthalate	400	U
88-06-2	2,4,6-Trichlorophenol	400	U	205-99-2	Benzo(b)Fluoranthene	400	U
95-95-4	2,4,5-Trichlorophenol	2000	U	207-08-9	Benzo(k)Fluoranthene	400	U
91-58-7	2-Chloronaphthalene	400	U	50-32-8	Benzo(a)Pyrene	400	U
88-74-4	2-Nitroaniline	2000	U	193-39-5	Indeno(1,2,3-cd)Pyrene	400	U
131-11-3	Dimethylphthalate	400	U	53-70-3	Dibenz(a,h)Anthracene	400	U
208-96-8	Acenaphthylene	400	U	191-24-2	Benzo(g,h,i)Perylene	400	U
99-09-2	3-Nitroaniline	2000	U				

(1)-Cannot be separated from diphenylamine

6538 197

Sample #

Pesticides PCBs

Concentration: Low
Date Analyzed: 12/02/86
Conc. Factor: .25

GPC Cleanup ___yes (X) no
Aerator Funnel Extraction ___yes
Continuous Liquid-Liquid Extraction ___yes

Peak Number		Peak Ht	
1-34--	Solvent	0	
2-35-	Heptachlor	10	
3-36-	Aldrin	10	
4a-37-	Heptachlor Epoxide	20	Spike
4b-38-1	Endosulfan I	20	Spike
5-39-0-	Dieldrin	40	Spike
6-40-41-	4,4'-DDE	10	
7-42-43-4	Endrin	10	
8-44-1	Endosulfan II	64	Spike
9-45-4	4,4'-DDD	8	
10-46-8	Endrin	80	Spike
11-47 48 49	Endosulfan II	20	
12-50-3	4,4'-DDT	20	
13-51-52-8	Endosulfan Sulfate	20	
14-53-	4,4'-DDT	32	Spike
15-54-55	Methoxychlor	100	
16-56-	Chlordane	20	
17-57-	Toxaphene	200	
18-58-	Aroclor 1016	200	
19-59-60-	Aroclor 1221	100	
20-61-62-9	Aroclor 1232	100	
21-63-64-1-9	Aroclor 1242	100	
22-65-66-5-	Aroclor 1248	100	
23-67-68-2-	Aroclor 1254	200	
24-69-70-3-	Aroclor 1260	200	

V(i) = Volume of extract injected (uL)
V(w) = Volume of water extracted (mL)
W(s) = Weight of soil extracted (g)
V(t) = Volume of total extract (uL)

D(s) = or W(s) = 30 D(w) = 1000 V(i) = 2

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Sample #
9120511

Organics Analysis Data Sheet
Page 1

Laboratory Name: Acurex Corporation
Lab Sample ID No: 2611-067-MB
Sample Matrix: Soil
Data Release Authorized by: R. Scott

Case No: 6538
SC Report No:
Contract No: 68-01-7142
Date Sample Received: 11/26/85

Volatile Compounds
Concentration: Low
Date Prepared: 12/05/85
Date Analyzed: 12/05/85
Conc. Factor: 1 pH: ---
Percent Moisture (Not Decanted): ---

CAS Number		ug/kg	CAS Number		ug/kg
74-87-3	Chloromethane	10 U	78-87-5	1,2-dichloropropane	5 U
74-83-9	Bromomethane	10 U	10061-02-6	Trans-1,3-Dichloropropene	5 U
75-01-4	Vinyl Chloride	10 U	79-01-6	Trichloroethene	5 U
75-00-3	Chloroethane	10 U	124-48-1	Dibromochloromethane	5 U
75-09-2	Methylene Chloride	10	79-00-51	1,1,2-Trichloroethane	5 U
67-64-1	Acetone	10 U	71-43-2	Benzene	5 U
75-15-0	Carbon Disulfide	5 U	10061-01-5	cis-1,3-Dichloropropene	5 U
75-35-4	1,1-Dichloroethene	5 U	110-75-8	2-Chloroethylvinylether	10 U
75-34-3	1,1-Dichloroethane	5 U	75-25-29	Bromoform	5 U
156-60-5	Trans-1,2-Dichloroethene	5 U	108-10-1	4-Methyl-2-Pentanone	10 U
67-66-3	Chloroform	5 U	591-78-6	2-Hexanone	10 U
107-06-2	1,2-Dichloroethane	5 U	127-18-4	Tetrachloroethene	5 U
78-93-3	2-Butanone	10 U	79-34-5	1,1,2,2-Tetrachloroethane	5 U
71-55-6	1,1,1-Trichloroethane	5 U	108-88-3	Toluene	5 U
56-23-5	Carbon Tetrachloride	5 U	08-90-7	Chlorobenzene	5 U
108-05-4	Vinyl Acetate	10 U	100-41-4	Ethylbenzene	5 U
75-27-4	Bromodichloromethane	5 U	100-42-5	Styrene	5 U
				Total Xylenes	5 U

Flags
U Compound was analyzed for but not detected.
J Estimated value. Compound present but at less than the specified detection limit.
P Pesticide confirmed by GC/MS.
B Compound found in blank as well as sample. Possible blank contamination.

6528 175

Laboratory Name: Fourac
Case No: 6528

Sample #
Blank

Organics Analysis Data Sheet
(Page 2.

Semivolatile Compounds

Concentration: Low
Date Extracted: 12/03/86
Date Analyzed: 12/08/86
Conc. Factor: 28.5
Percent Moisture (Decanted.): ---

GPC Cleanup ___Yes _X_No
Separatory Funnel Extraction ___Yes
Continuous Liquid-Liquid Extraction ___Yes

CAS Number		ug/kg	CAS Number		ug/kg
108-95-2	Phenol	400 U	83-32-9	Acenaphthene	400 U
111-44-4	bis(2-Chloroethyl)Ether	400 U	51-28-5	2,4-Dinitrophenol	2000 U
95-57-8	2-Chlorophenol	400 U	100-02-7	4-Nitrophenol	2000 U
541-73-1	1,3-Dichlorobenzene	400 U	132-64-9	Dibenzofuran	400 U
106-46-7	1,4-Dichlorobenzene	400 U	121-14-2	2,4-Dinitrotoluene	400 U
100-51-6	Benzyl Alcohol	400 U	606-20-2	2,6-Dinitrotoluene	400 U
95-50-1	1,2-Dichlorobenzene	400 U	84-66-2	Diethylphthalate	400 U
95-48-7	2-Methylphenol	400 U	7005-72-3	4-Chlorophenyl-phenylether	400 U
39638-32-9	bis(2-Chloroisopropyl)Ether	400 U	86-73-7	Fluorene	400 U
106-44-5	4-Methylphenol	400 U	100-01-6	4-Nitroaniline	2000 U
621-64-7	N-Nitroso-Di-n-Propylamine	400 U	534-52-1	4,6-Dinitro-2-Methylphenol	2000 U
67-72-1	Hexachloroethane	400 U	86-30-6	N-Nitrosodiphenylamine (1)	270 J
98-95-3	Nitrobenzene	400 U	101-55-3	4-Bromophenyl-phenylether	400 U
78-59-1	Isophorone	400 U	118-74-1	Hexachlorobenzene	400 U
88-75-5	2-Nitrophenol	400 U	87-86-5	Pentachlorophenol	2000 U
105-67-9	2,4-Dimethylphenol	400 U	85-01-8	Phenanthrene	400 U
65-85-0	Benzoic Acid	2000 U	120-12-7	Anthracene	400 U
111-91-1	bis(2-Chloroethoxy)Methane	400 U	84-74-2	Di-n-Butylphthalate	400 U
120-83-2	2,4-Dichlorophenol	400 U	206-44-0	Fluoranthene	400 U
120-82-1	1,2,4-Trichlorobenzene	400 U	129-00-0	Pyrene	400 U
91-20-3	Naphthalene	400 U	85-68-7	Butylbenzylphthalate	400 U
106-47-8	4-Chloroaniline	400 U	91-94-1	3,3'-Dichlorobenzidine	700 U
87-68-3	Hexachlorobutadiene	400 U	56-55-3	Benzo(a)Anthracene	400 U
59-50-7	4-Chloro-3-Methylphenol	400 U	117-81-7	bis(2-Ethylhexyl)Phthalate	400 U
91-57-6	2-Methylnaphthalene	400 U	218-01-9	Chrysene	400 U
77-47-4	Hexachlorocyclopentadiene	400 U	117-84-0	Di-n-Octyl Phthalate	400 U
88-06-2	2,4,6-Trichlorophenol	400 U	205-99-2	Benzo(b)Fluoranthene	400 U
95-95-4	2,4,5-Trichlorophenol	2000 U	207-08-9	Benzo(k)Fluoranthene	400 U
91-58-7	2-Chloronaphthalene	400 U	50-32-8	Benzo(a)Pyrene	400 U
88-74-4	2-Nitroaniline	2000 U	193-39-5	Indeno(1,2,3-cd)Pyrene	400 U
131-11-3	Dimethylphthalate	400 U	53-70-3	Dibenz(a,h)Anthracene	400 U
208-96-8	Acenaphthylene	400 U	191-24-2	Benzo(g,h,i)Perylene	400 U
99-09-2	3-Nitroaniline	2000 U			

(1)-Cannot be separated from diphenylamine

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Organic analysis data sheet
Page
Pesticides/PCBs

[illegible]

[illegible]			
[illegible]	alpha-BHC	3	U
[illegible]	beta-BHC	3	U
[illegible]	Delta-BHC	3	U
[illegible]	Gamma-BHC (Lindane)	3	U
[illegible]	Heptachlor	3	U
[illegible]	Aldrin	3	U
[illegible]	Heptachlor Epoxide	3	U
[illegible]	Endosulfan I	3	U
[illegible]	Dieldrin	20	U
[illegible]	4,4'-DDE	20	U
[illegible]	Endrin	20	U
[illegible]	Endosulfan II	20	U
[illegible]	4,4'-DDD	20	U
[illegible]	Endosulfan Sulfate	20	U
[illegible]	4,4'-DDT	20	U
[illegible]	Methoxychlor	100	U
[illegible]	Endrin Ketone	20	U
[illegible]	Endrin Aldehyde	20	U
[illegible]	Chlordane	500	U
[illegible]	Toxaphene	1000	U
[illegible]	Aroclor-1016	80	U
[illegible]	Aroclor-1221	80	U
[illegible]	Aroclor-1232	80	U
[illegible]	Aroclor-1242	80	U
[illegible]	Aroclor-1248	80	U
[illegible]	Aroclor-1254	200	U
[illegible]	Aroclor-1260	200	U

V(t) = Volume of extract injected (uL)
V(p) = Volume of water extracted (mL)
W(s) = Weight of soil extracted (g)
V(t) = Volume of total extract (uL

V(g) = [illegible] or W(s) = 30 V(t) = 10000 V(i) = 2

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LABORATORY NAME ACUREX CORPORATION SAMPLE NUMBER 31205V01

CASE NO 6538

ORGANICS ANALYSIS DATA SHEET - PAGE 4

DATAFILE 31205V01

TENTATIVELY IDENTIFIED COMPOUNDS

CAS #	VOLATILE COMPOUND NAMES	SCAN#	EST. CONC.
			~~UG/L~~ ug/kg
556-67-2	CYCLOTETRASILOXANE, OCTAMETHYL	627	15 J QN

LABORATORY NAME: ACUREX CORPORATION SAMPLE NUMBER: E1167CMB

CASE NO: 6538

ORGANICS ANALYSIS DATA SHEET - PAGE 5

DATAFILE: E1167CMB

TENTATIVELY IDENTIFIED COMPOUNDS

CAS #	SEMIVOLATILE COMPOUND NAMES	SCAN#	EST. CONC.
			UG/KG
	UNKNOWN	454	350
2337-65-9	HEXANEDIOIC ACID, MONO(2-ETHYLHEXYL)ESTER	1853	520
~~541-01-5~~	~~HEPTASILOXANE, HEXADEGAMETHYL~~ UNKNOWN	2366	510

Pesticide Evaluation Standards Summary
(Page 1)

Case No: [illegible] Region: [illegible]
Contract No: [illegible]
Date of Analysis: [illegible]

Laboratory: [illegible]
GC Column: [illegible]
Instrument ID: [illegible]

Evaluation Check for Linearity

Laboratory ID	EVAL STD A	EVAL STD B	EVAL STD C	
Pesticide	Calibration Factor Eval. Mix A	Calibration Factor Eval. Mix B	Calibration Factor Eval. Mix C	% RSD (≤10%)
Aldrin	[illegible]	[illegible]	[illegible]	[illegible]
Endrin	[illegible]	[illegible]	[illegible]	[illegible]
4,4'- DDT[1]	[illegible]	[illegible]	[illegible]	[illegible]
Dibutyl Chlorendate	[illegible]	[illegible]	[illegible]	[illegible]

Evaluation Check for 4,4'- DDT/Endrin Breakdown
(percent breakdown expressed as total degradation)

	Laboratory I.D.	Time of Analysis	Endrin	4,4'- DDT	Combined[2]
Eval Mix B 72 Hour	EVAL STD B	[illegible]	<	<	
Eval Mix B	EVAL STD B	23.5 h	<	<	
Eval Mix B	EVAL STD B	[illegible]	<	<	
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					

(1) See Exhibit E, Section 7.5.4
(2) See Exhibit E, Section 7.3.1.2.2.1

Pesticide Evaluation Standards Summary
(Page 1)

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Case No: 6538 Region: VI
Contract No: 68-01-7147
Date of Analysis 12-4-86

Laboratory: ACUREX
GC Column: 1.5% OV-17 + 1.95% OV-210
Instrument ID: VARIAN 3700-1

Evaluation Check for Linearity

Laboratory ID	EVAL STD A	EVALUATION STD B	EVAL STD C	
Pesticide	Calibration Factor Eval. Mix A	Calibration Factor Eval. Mix B	Calibration Factor Eval. Mix C	% RSD (≤10%)
Aldrin	[illegible]	3.14 X10^6	[illegible]	6.2
Endrin	[illegible]	1.29 X10^6	[illegible]	5.3
4,4'- DDT[1]	[illegible]	1.82 X10^6	[illegible]	6.9
Dibutyl Chlorendate	[illegible]	2.20 X10^6	[illegible]	7.6

Evaluation Check for 4,4'- DDT/Endrin Breakdown
(percent breakdown expressed as total degradation)

	Laboratory I.D.	Time of Analysis	Endrin	4,4'- DDT	Combined[2]
Eval Mix B 72 Hour					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					

(1) See Exhibit E, Section 7.5.4
(2) See Exhibit E, Section 7.3.1.2.2.1

Pesticide Evaluation Standards Summary
(Page 1)

Case No: 6538 Region: VI
Contract No: 68-01-7142
Date of Analysis: 12-4-86

Laboratory: ACUREX
GC Column: 1.5% OV-17 + 1.95% OV-210
Instrument ID: VARIAN 3400-1

Evaluation Check for Linearity

Laboratory ID	EVAL STD A	EVALUATION STD B	EVAL STD C	
Pesticide	**Calibration Factor Eval. Mix A**	**Calibration Factor Eval. Mix B**	**Calibration Factor Eval. Mix C**	**% RSD (≤10%)**
Aldrin	[illegible]	3.19×10^6	[illegible]	6.2
Endrin	[illegible]	1.38×10^6	[illegible]	9.2
4,4'- DDT(1)	[illegible]	1.75×10^6	[illegible]	5.6
Dibutyl Chlorendate	[illegible]	1.90×10^6	[illegible]	5.6

Evaluation Check for 4,4'- DDT/Endrin Breakdown
(percent breakdown expressed as total degradation)

	Laboratory I.D.	Time of Analysis	Endrin	4,4'- DDT	Combined(1)
Eval Mix B 72 Hour					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					

(1) See Exhibit E, Section 7.5.4
(2) See Exhibit E, Section 7.3.1.2.2.1

CASE # 6538

GC VARIAN 3400-1

4-4-86

Pesticide Evaluation Standards Summary
(Page 2)

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Evaluation of Retention Time Shift for Dibutyl Chlorendate
Report all standards, blanks and samples

SMO Sample No	Lab I.D.	Time of Analysis	Percent Diff	SMO Sample No.	Lab I.D.	Time of Analysis	Percent Diff.
	EVAL STD A	16:56	-				
	B	17:31	.05				
	C	18:05	.01				
	END STD A	18:41	.02				
	B	19:15	.01				
	TECH CHLOR	19:40	.01				
	TOXAPHENE	20:24	.01				
	AROCLOR 1260	21:03	.02				
	1242	21:39	.03				
	1254	22:12	.01				
	1254	22:47	.01				
	EVAL STD B	23:56	.05				
	END STD A	1:05	.06				
	B	1:40	.04				
	A	3:24	.07				
	" " B	8:14	.04				
	EVAL STD A	14:07	.06				
METHOD BLANK	BLK-087/MB	15:19	.03				
FD009	-1	15:54	.01				
FD009 MS	-1MS	16:29	.06				
FD009 MSD	-1MSD	17:03	.04				
FD018	-2	17:39	.02				
	END STD A	18:17	-.08				
	" B	18:47	-.04				

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CALIBRATION CHECK - VOLATILE HSL COMPOUNDS

CASE NO. - 6538 CONTRACT LAB: ACUREX

CONTRACT NO. - 68-01-7142 INSTRUMENT IDENTIFIER: FINN 1020

CALIBRATION DATE: 10/14/86

STANDARD FILE: S1205V01

DATE: 12/05/86 TIME: 7:45

MINIMUM RF FOR SPCC IS .300 **

MAXIMUM % D FOR CCC IS 25% *

SPCC **
CCC *

COMPOUND		MEAN RF(I)	RF(O)	% D	
CHLOROMETHANE	**	0.613	0.588	4.178	*
BROMOMETHANE		0.875	0.632	27.692	
VINYL CHLORIDE	*	0.738	0.617	16.435	*
CHLOROETHANE		0.484	0.441	8.923	
METHYLENE CHLORIDE		1.317	1.215	7.673	
ACETONE		0.082	0.072	11.625	
CARBON DISULFIDE		2.515	1.803	28.288	
1,1-DICHLOROETHENE	*	1.145	1.084	5.364	*
1,1-DICHLOROETHANE	**	2.382	2.167	9.002	*
TRANS-1,2-DICHLOROETHENE		1.510	1.374	9.002	
CHLOROFORM	*	2.938	2.652	9.731	*
1,2-DICHLOROETHANE		2.316	1.947	15.947	
2-BUTANONE		0.023	0.025	-7.647	
1,1,1-TRICHLOROETHANE		0.489	0.414	15.170	
CARBON TETRACHLORIDE		0.488	0.470	3.616	
VINYL ACETATE		0.044	0.042	3.357	
BROMODICHLOROMETHANE		0.511	0.496	2.861	
1,1,2,2-TETRACHLOROETHANE	**	0.496	0.545	-9.737	*
1,2-DICHLOROPROPANE	*	0.295	0.292	0.996	*
TRANS-1,3-DICHLOROPROPENE		0.596	0.630	-5.668	
TRICHLOROETHENE		0.386	0.422	-9.377	
DIBROMOCHLOROMETHANE		0.525	0.567	-8.009	
1,1,2-TRICHLOROETHANE		0.293	0.299	-1.710	
BENZENE		0.771	0.794	-2.982	
CIS-1,3-DICHLOROPROPENE		0.596	0.477	19.965	
2-CHLOROETHYL VINYLETHER		0.113	0.066	41.878	
BROMOFORM	**	0.345	0.407	-17.959	*
2-HEXANONE		0.124	0.124	0.261	
4-METHYL-2-PENTANONE		0.125	0.126	-0.282	
TETRACHLOROETHENE		0.511	0.565	-10.558	
TOLUENE	*	1.219	1.219	0.008	*
CHLOROBENZENE	**	0.940	0.905	3.714	*
ETHYLBENZENE	*	0.497	0.454	8.580	*
STYRENE		0.907	0.865	4.541	
TOTAL XYLENES		1.451	1.325	8.706	

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CALIBRATION CHECK - SEMIVOLATILE HSL COMPOUNDS

CASE NO. 6538 CONTRACT LAB: ACUREX

CONTRACT NO. - 68-01-7192 INSTRUMENT IDENTIFIER: 4500

CALIBRATION DATE: 10/16/86

STANDARD FILE: S1208C01

DATE: 12/8/86 TIME: 10:20

MINIMUM RF FOR SPCC IS .0500

MAXIMUM % D FOR CCC IS 25%

CCC *
SPCC **

COMPOUND		MEAN RF(I)	RF(O)	% D	
PHENOL	*	2.085	2.065	0.952	*
BIS(2-CHLOROETHYL)ETHER		1.714	1.894	-10.469	
2-CHLOROPHENOL		1.430	1.432	-0.097	
1,3-DICHLOROBENZENE		1.529	1.498	2.064	
1,4-DICHLOROBENZENE	*	1.692	1.717	-1.442	*
BENZYL ALCOHOL		0.992	1.337	-34.859	
1,2-DICHLOROBENZENE		1.591	1.551	2.530	
2-METHYLPHENOL		1.451	1.337	7.814	
BIS(2-CHLOROISOPROPYL)ETHER		0.417	0.409	1.736	
4-METHYLPHENOL		1.519	1.272	16.251	
N-NITROSO-DI-N-PROPYLAMINE	**	0.270	0.244	9.584	**
HEXACHLOROETHANE		0.572	0.589	-2.889	
NITROBENZENE		0.188	0.178	4.959	
ISOPHORONE		0.122	0.119	2.107	
2-NITROPHENOL	*	0.186	0.155	16.803	*
2,4-DIMETHYLPHENOL		0.328	0.292	11.178	
BENZOIC ACID		0.168	0.105	37.388	
BIS(2-CHLOROETHOXY)METHANE		0.469	0.478	-1.851	
2,4-DICHLOROPHENOL		0.271	0.232	14.184	
1,2,4-TRICHLOROBENZENE		0.271	0.276	-1.839	
NAPHTHALENE		0.966	1.045	-8.176	
4-CHLOROANILINE		0.085	0.044	47.781	
HEXACHLOROBUTADIENE	*	0.129	0.135	-4.216	*
4-CHLORO-3-METHYLPHENOL	*	0.260	0.281	-8.213	*
2-METHYLNAPHTHALENE		0.499	0.562	-12.674	
HEXACHLOROCYCLOPENTADIENE	**	0.241	0.229	4.986	**
2,4,6-TRICHLOROPHENOL	*	0.422	0.370	12.329	*
2,4,5-TRICHLOROPHENOL		0.323	0.380	-17.795	
2-CHLORONAPHTHALENE		1.219	1.296	-6.268	
2-NITROANILINE		0.467	0.429	8.088	
DIMETHYL PHTHALATE		1.154	1.378	-19.343	
ACENAPHTHYLENE		1.861	2.008	-7.876	
3-NITROANILINE		0.139	0.021	84.598	
ACENAPHTHENE	*	1.246	1.284	-3.049	*
2,4-DINITROPHENOL	**	0.107	0.087	18.302	**
4-NITROPHENOL	**	0.087	0.082	6.152	**
DIBENZOFURAN		1.658	1.739	-4.895	
2,4-DINITROTOLUENE		0.370	0.401	-8.368	
2,6-DINITROTOLUENE		0.300	0.317	-5.424	
DIETHYL PHTHALATE		1.209	1.424	-17.749	
4-CHLOROPHENYL-PHENYLETHER		0.596	0.615	-3.152	
FLUORENE		1.383	1.459	-5.501	
4-NITROANILINE		0.088	0.057	35.751	
4,6-DINITRO-2-METHYLPHENOL		0.083	0.075	9.939	
N-NITROSODIPHENYLAMINE	*	0.376	0.319	15.097	*
4-BROMOPHENYL-PHENYLETHER		0.195	0.188	3.506	
HEXACHLOROBENZENE		0.212	0.206	2.842	
PENTACHLOROPHENOL	*	0.129	0.114	11.538	*
PHENANTHRENE		1.133	1.130	0.290	
ANTHRACENE		1.058	1.043	1.489	

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[redacted]I-N-BUTYLPHTHALATE		1.322	1.451	-9.770	
FLUORANTHENE	*	1.064	1.120	-5.241	x
[redacted]YRENE		2.051	1.884	8.140	
[redacted]UTYLBENZYLPHTHALATE		0.946	0.891	5.722	
3,3'-DICHLOROBENZIDINE		0.061	0.025	59.333	
BENZO(A)ANTHRACENE		1.458	1.325	9.085	
[redacted]IS(2-ETHYLHEXYL)PHTHALATE		1.259	1.188	5.638	
CHRYSENE		1.189	1.218	-2.389	
DI-N-OCTYL PHTHALATE	*	2.276	2.496	-9.673	x
[redacted]ENZO(B)FLUORANTHENE		1.318	1.279	2.989	
[redacted]ENZO(K)FLUORANTHENE		1.135	1.303	-14.824	
BENZO(A)PYRENE	*	1.082	1.090	-0.762	x
[redacted]NDENO(1,2,3-CD)PYRENE		1.060	1.178	-11.170	
[redacted]IBENZO(A,H)ANTHRACENE		0.859	0.919	-6.945	
BENZO(GHI)PERYLENE		0.901	0.960	-6.490	

Environmental Protection Agency, CLP Sample Management Office,
P. O. Box 818, Alexandria, Virginia 22313 703/557-2490

Sample Number

Organics Analysis Data Sheet
(Page 1)

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Laboratory Name: Acurex

Case No:

Lab Sample ID No:

QC Report No:

Sample Matrix:

Contract No:

Data Release Authorized By:

Date Sample Received:

Volatile Compounds

Instrument Detection Limits

Concentration: Low Medium (Circle One)

Date Extracted/Prepared:

Date Analyzed:

Conc/Dil Factor: pH

Percent Moisture:

Percent Moisture (Decanted):

CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	2.4
74-83-9	Bromomethane	3.1
75-01-4	Vinyl Chloride	4.3
75-00-3	Chloroethane	3.1
75-09-2	Methylene Chloride	1.1
67-64-1	Acetone	5
75-15-0	Carbon Disulfide	1
75-35-4	1, 1-Dichloroethene	5.7
75-34-3	1, 1-Dichloroethane	3.6
156-60-5	Trans-1, 2-Dichloroethene	4.3
67-66-3	Chloroform	1.4
107-06-2	1, 2-Dichloroethane	3.3
78-93-3	2-Butanone	5
71-55-6	1, 1, 1-Trichloroethane	2.2
56-23-5	Carbon Tetrachloride	5.2
108-05-4	Vinyl Acetate	5
75-27-4	Bromodichloromethane	2.2

CAS Number		ug/l or ug/Kg (Circle One)
79-34-5	1, 1, 2, 2-Tetrachloroethane	0.1
78-87-5	1, 2-Dichloropropane	2.7
10061-02-6	Trans-1, 3-Dichloropropene	4.0
79-01-6	Trichloroethene	1.4
124-48-1	Dibromochloromethane	2.8
79-00-5	1, 1, 2-Trichloroethane	1.1
71-43-2	Benzene	1.7
10061-01-5	cis-1, 3-Dichloropropene	3.0
110-75-8	2-Chloroethylvinylether	10
75-25-2	Bromoform	11.6
591-78-6	2-Hexanone	5
108-10-1	4-Methyl-2-Pentanone	5
127-18-4	Tetrachloroethene	0.5
108-88-3	Toluene	0.9
108-90-7	Chlorobenzene	1.1
100-41-4	Ethylbenzene	1.1
100-42-5	Styrene	5
	Total Xylenes	5

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

Value If the result is a value greater than or equal to the detection limit, report the value.

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g., 10U) based on necessary concentration/dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read "U - Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides ≥10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

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Environmental Protection Agency, CLP Sample Management Office,
P. O. Box 818, Alexandria, Virginia 22313 703/557-2490

Sample Number

Organics Analysis Data Sheet
(Page 2)

Instrument Detection Limits

Semivolatile Compounds

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: _____

Date Analyzed: _____

Conc/Dil Factor: _____

CAS Number		ug/l or ug/Kg (Circle One)
62-75-9	N-Nitrosodimethylamine	10
108-95-2	Phenol	3.9
62-53-3	Aniline	7.5
111-44-4	bis(-2-Chloroethyl)Ether	1.7
95-57-8	2-Chlorophenol	0.9
541-73-1	1, 3-Dichlorobenzene	1.2
106-46-7	1, 4-Dichlorobenzene	1.1
100-51-6	Benzyl Alcohol	6.1
95-50-1	1, 2-Dichlorobenzene	1.9
95-48-7	2-Methylphenol	5
39638-32-9	bis(2-chloroisopropyl)Ether	2.5
106-44-5	4-Methylphenol	5
621-64-7	N-Nitroso-Di-n-Propylamine	10
67-72-1	Hexachloroethane	3.4
98-95-3	Nitrobenzene	0.8
78-59-1	Isophorone	0.3
88-75-5	2-Nitrophenol	1.5
105-67-9	2, 4-Dimethylphenol	3.6
65-85-0	Benzoic Acid	100
111-91-1	bis(-2-Chloroethoxy)Methane	1.9
120-83-2	2, 4-Dichlorophenol	1.4
120-82-1	1, 2, 4-Trichlorobenzene	1.3
91-20-3	Naphthalene	0.1
106-47-8	4-Chloroaniline	3.3
87-68-3	Hexachlorobutadiene	3.5
59-50-7	4-Chloro-3-Methylphenol	2
91-57-6	2-Methylnaphthalene	2.5
77-47-4	Hexachlorocyclopentadiene	10
88-06-2	2, 4, 6-Trichlorophenol	0.8
95-95-4	2, 4, 5-Trichlorophenol	0.2
91-58-7	2-Chloronaphthalene	1.5
88-74-4	2-Nitroaniline	2.3
131-11-3	Dimethyl Phthalate	1.5
208-96-8	Acenaphthylene	0.3
99-09-2	3-Nitroaniline	4.1

CAS Number		ug/l or ug/Kg (Circle One)
83-32-9	Acenaphthene	2.7
51-28-5	2, 4-Dinitrophenol	10
100-02-7	4-Nitrophenol	6.5
132-64-9	Dibenzofuran	2.8
121-14-2	2, 4-Dinitrotoluene	10
606-20-2	2, 6-Dinitrotoluene	5.1
84-66-2	Diethylphthalate	1.7
7005-72-3	4-Chlorophenyl-phenylether	0.3
86-73-7	Fluorene	1.3
100-01-6	4-Nitroaniline	6.3
534-52-1	4, 6-Dinitro-2-Methylphenol	10
86-30-6	N-Nitrosodiphenylamine (1)	10
101-55-3	4-Bromophenyl-phenylether	3.0
118-74-1	Hexachlorobenzene	2.2
87-86-5	Pentachlorophenol	10
85-01-8	Phenanthrene	0.7
120-12-7	Anthracene	0.5
84-74-2	Di-n-Butylphthalate	1.6
206-44-0	Fluoranthene	0.7
92-87-5	Benzidine	10
129-00-0	Pyrene	1.0
85-68-7	Butylbenzylphthalate	11.2
91-94-1	3, 3'-Dichlorobenzidine	3.6
56-55-3	Benzo(a)Anthracene	5
117-81-7	bis(2-Ethylhexyl)Phthalate	5.0
218-01-9	Chrysene	0.5
117-84-0	Di-n-Octyl Phthalate	2.4
205-99-2	Benzo(b)Fluoranthene	5
207-08-9	Benzo(k)Fluoranthene	0.1
50-32-8	Benzo(a)Pyrene	0.2
193-39-5	Indeno(1, 2, 3-cd)Pyrene	5
53-70-3	Dibenz(a, h)Anthracene	0.4
191-24-2	Benzo(g, h, i)Perylene	5

(1)-Cannot be separated from diphenylamine

6538 373

Environmental Protection Agency. CLP Sample Management Office.
P. O. Box 818. Alexandria, Virginia 22313 703/557-2490

Sample Number

Organics Analysis Data Sheet
(Page 3)

Instrument Detection Limits

Pesticide/PCBs

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: _____

Date Analyzed: _____

Conc/Dil Factor: _____

CAS Number		ug/l or ug/Kg (Circle One)
319-84-6	Alpha-BHC	0.00050
319-85-7	Beta-BHC	0.005
319-86-8	Delta-BHC	0.005
58-89-9	Gamma-BHC (Lindane)	0.005
76-44-8	Heptachlor	0.00058
309-00-2	Aldrin	0.00043
1024-57-3	Heptachlor Epoxide	0.00054
959-98-8	Endosulfan I	0.00070
60-57-1	Dieldrin	0.00056
72-55-9	4, 4'-DDE	0.0013
72-20-8	Endrin	0.0013
33213-65-9	Endosulfan II	0.00089
72-54-8	4, 4'-DDD	0.0013
7421-93-4	Endrin Aldehyde	0.0022
1031-07-8	Endosulfan Sulfate	0.01
50-29-3	4, 4'-DDT	0.0016
72-43-5	Methoxychlor	0.5
53494-70-5	Endrin Ketone	0.1
57-74-9	Chlordane	0.05
8001-35-2	Toxaphene	0.2
12674-11-2	Aroclor-1016	0.1
11104-28-2	Aroclor-1221	0.1
11141-16-5	Aroclor-1232	0.1
53469-21-9	Aroclor-1242	0.05
12[illegible]2-29-6	Aroclor-1248	0.05
11097-69-1	Aroclor-1254	0.05
11096-82-5	Aroclor-1260	0.1

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s _____ or W_s _____ V_t _____ V_i _____

INITIAL CALIBRATION DATA - VOLATILE HSL COMPOUNDS

6538 371

CASE NO. - 6539
CONTRACT NO. 68-01-7142
CONTRACT LAB: ACUREX
INSTRUMENT IDENTIFIER: FINN 1020
CALIBRATION DATE: 10/14/86
MINIMUM MEAN RF FOR SPCC IS .300
MAXIMUM %RSD FOR CCC IS 30%

003059

LABORATORY ID		S1014V00	S1014V01	S1014	S1014V05	S1014V03			CCC SPCC
COMPOUND	~~20NG~~ 20 PPB	~~50NG~~ 50 PPB	~~80NG~~ 100 PPB	~~120NG~~ 150 PPB	~~160NG~~ 200 PPB	MEAN RF	%RSD	
CHLOROMETHANE	**0.781	0.469	0.533	0.608	0.676	0.613	17.7	**
BROMOMETHANE	0.949	0.912	0.803	0.792	0.918	0.875	7.3	
VINYL CHLORIDE	*0.837	0.672	0.648	0.684	0.850	0.738	11.7	*
CHLOROETHANE	0.572	0.520	0.409	0.426	0.494	0.484	12.4	
METHYLENE CHLORIDE	1.584	1.438	1.102	1.124	1.336	1.317	13.9	
ACETONE	0.107	0.095	0.072	0.065	0.070	0.082	19.8	
CARBON DISULFIDE	2.858	2.751	2.177	2.190	2.598	2.515	11.2	
1,1-DICHLOROETHENE	*1.419	1.292	0.744	1.041	1.229	1.145	20.4	*
1,1-DICHLOROETHANE	**2.756	2.637	2.055	2.021	2.437	2.382	12.5	**
TRANS-1,2-DICHLOROETHENE	1.783	1.587	1.351	1.316	1.516	1.510	11.2	
CHLOROFORM	*3.388	3.121	2.592	2.556	3.033	2.938	10.8	*
1,2-DICHLOROETHANE	2.718	2.502	2.067	2.021	2.272	2.316	11.3	
2-BUTANONE	0.029	0.027	0.021	0.018	0.021	0.023	17.9	
1,1,1-TRICHLOROETHANE	0.580	0.540	0.430	0.409	0.484	0.489	13.1	
CARBON TETRACHLORIDE	0.525	0.545	0.429	0.424	0.516	0.488	10.4	
VINYL ACETATE	0.046	0.050	0.039	0.038	0.046	0.044	10.6	
BROMODICHLOROMETHANE	0.564	0.568	0.458	0.440	0.524	0.511	10.3	
1,1,2,2-TETRACHLOROETHANE	**0.619	0.543	0.454	0.412	0.455	0.496	15.0	**
1,2-DICHLOROPROPANE	*0.335	0.308	0.297	0.236	0.301	0.295	11.0	*
TRANS-1,3-DICHLOROPROPENE	0.672	0.669	0.527	0.516	0.596	0.596	11.1	
TRICHLOROETHENE	0.475	0.414	0.343	0.327	0.368	0.386	13.8	
DIBROMOCHLOROMETHANE	0.577	0.572	0.495	0.467	0.515	0.525	8.2	
1,1,2-TRICHLOROETHANE	0.365	0.308	0.284	0.243	0.267	0.293	14.2	
BENZENE	0.948	0.876	0.676	0.625	0.729	0.771	15.8	
CIS-1,3-DICHLOROPROPENE	0.672	0.669	0.527	0.516	0.596	0.596	11.1	
2-CHLOROETHYLVINYLETHER	0.121	0.129	0.100	0.099	0.117	0.113	10.6	
BROMOFORM	**0.343	0.381	0.328	0.313	0.362	0.345	7.0	**
2-HEXANONE	0.163	0.139	0.112	0.097	0.109	0.124	19.2	
4-METHYL-2-PENTANONE	0.161	0.141	0.112	0.098	0.115	0.125	17.9	
TETRACHLOROETHENE	0.649	0.539	0.458	0.431	0.477	0.511	15.2	
TOLUENE	*1.496	1.314	1.072	1.023	1.190	1.219	14.0	*
CHLOROBENZENE	**1.125	1.004	0.840	0.804	0.928	0.940	12.2	**
ETHYLBENZENE	*0.609	0.526	0.438	0.417	0.493	0.497	13.7	*
STYRENE	1.075	0.953	0.816	0.790	0.898	0.907	11.2	
TOTAL XYLENES	1.765	1.556	1.299	1.236	1.400	1.451	13.1	

INITIAL CALIBRATION DATA - SEMIVOLATILE HSL COMPOUNDS

6538 375

ASE NO. - 6538
ONTRACT NO. - 10/16/86
ALIBRATION DATE: ~~10/17/86~~
INIMUM MEAN RF FOR SPCC IS 0.05
AXIMUM %RSD FOR CCC IS 30%

CONTRACT LAB: ACUREX
INSTRUMENT IDENTIFIER: 4500

003060

ABORATORY ID: S1016C05, S1016C04, S1016C03, S1016C02, S1016C01

COMPOUND	RF 20NG	RF 50NG	RF 80NG	RF 120NG	RF 160NG	MEAN RF	%RSD	CC SPCC
HENOL	*2.135	2.004	2.086	2.121	2.000	2.085	2.2	*
IS(2-CHLOROETHYL)ETHER	1.686	1.644	1.730	1.762	1.750	1.714	2.5	
2-CHLOROPHENOL	1.403	1.459	1.441	1.434	1.414	1.430	1.3	
1,3-DICHLOROBENZENE	1.480	1.545	1.493	1.607	1.521	1.529	2.9	
1,4-DICHLOROBENZENE	*1.725	1.734	1.669	1.659	1.673	1.692	1.8	*
ENZYL ALCOHOL	0.905	1.044	1.018	1.028	0.963	0.992	5.1	
1,2-DICHLOROBENZENE	1.536	1.651	1.588	1.594	1.586	1.591	2.2	
-METHYLPHENOL	1.452	1.537	1.423	1.420	1.422	1.451	3.0	
S(2-CHLOROISOPROPYL)ETHER	0.410	0.428	0.411	0.412	0.423	0.417	1.7	
ETHYLPHENOL	1.424	1.531	1.506	1.562	1.572	1.519	3.4	
-NITROSO-DI-N-PROPYLAMINE	**0.240	0.275	0.270	0.272	0.295	0.270	6.4	**
EXACHLOROETHANE	0.527	0.578	0.571	0.594	0.591	0.572	4.1	
NITROBENZENE	0.182	0.188	0.190	0.195	0.185	0.188	2.3	
ISOPHORONE	0.122	0.129	0.121	0.117	0.118	0.122	3.5	
2-NITROPHENOL	*0.163	0.183	0.181	0.204	0.200	0.186	7.9	*
2,4-DIMETHYLPHENOL	0.292	0.340	0.334	0.338	0.338	0.328	5.6	
ENZOIC ACID	0.150	0.130	0.119	0.211	0.226	0.168	25.6	
S(2-CHLOROETHOXY)METHANE	0.456	0.487	0.469	0.471	0.466	0.469	2.1	
4-DICHLOROPHENOL	0.248	0.277	0.274	0.279	0.276	0.271	4.1	
2,4-TRICHLOROBENZENE	0.260	0.272	0.267	0.279	0.275	0.271	2.4	
APHTHALENE	0.998	1.025	0.972	0.897	0.936	0.966	4.6	
4-CHLOROANILINE	0.063	0.078	0.065	0.115	0.104	0.085	24.2	
EXACHLOROBUTADIENE	*0.120	0.129	0.131	0.133	0.133	0.129	3.7	*
-CHLORO-3-METHYLPHENOL	*0.236	0.268	0.263	0.260	0.274	0.260	5.0	*
2-METHYLNAPHTHALENE	0.467	0.508	0.502	0.497	0.520	0.499	3.5	
EXACHLOROCYCLOPENTADIENE	**0.196	0.227	0.212	0.279	0.289	0.241	15.3	**
2,4,6-TRICHLOROPHENOL	*0.345	0.386	0.390	0.440	0.547	0.422	16.4	*
2,4,5-TRICHLOROPHENOL	0.321	0.354	0.361	0.336	0.242	0.323	13.2	
CHLORONAPHTHALENE	1.173	1.238	1.225	1.248	1.211	1.219	2.1	
POANILINE	0.402	0.480	0.480	0.498	0.475	0.467	7.1	
DIMETHYL PHTHALATE	1.201	1.254	1.269	1.228	0.819	1.154	14.6	
ACENAPHTHYLENE	1.950	1.966	1.849	1.747	1.795	1.861	4.5	
3-NITROANILINE	0.000	0.153	0.132	0.140	0.129	0.139	6.6	
ACENAPHTHENE	*1.222	1.260	1.252	1.240	1.257	1.246	1.1	*
2,4-DINITROPHENOL	**0.000	0.084	0.085	0.124	0.134	0.107	20.8	**
4-NITROPHENOL	**0.000	0.077	0.082	0.097	0.094	0.087	9.3	**
IDENZOFURAN	1.625	1.669	1.671	1.679	1.646	1.658	1.1	
4-DINITROTOLUENE	0.348	0.381	0.385	0.383	0.356	0.370	4.1	
2,6-DINITROTOLUENE	0.291	0.278	0.317	0.305	0.311	0.300	4.7	
DIETHYL PHTHALATE	1.223	1.229	1.166	1.230	1.199	1.209	2.0	
4-CHLOROPHENYL-PHENYLETHER	0.579	0.598	0.609	0.600	0.596	0.596	1.6	
FLUORENE	1.342	1.421	1.418	1.371	1.362	1.383	2.2	
4-NITROANILINE	0.082	0.105	0.085	0.101	0.069	0.088	14.7	
4,6-DINITRO-2-METHYLPHENOL	0.066	0.076	0.071	0.097	0.105	0.083	18.1	
N-NITROSODIPHENYLAMINE	*0.447	0.338	0.313	0.360	0.420	0.376	13.3	*
4-BROMOPHENYL-PHENYLETHER	0.181	0.192	0.189	0.203	0.209	0.195	5.0	
HEXACHLOROBENZENE	0.195	0.208	0.215	0.219	0.224	0.212	4.7	
PENTACHLOROPHENOL	*0.000	0.130	0.138	0.145	0.100	0.129	13.3	*
PHENANTHRENE	1.093	1.153	1.159	1.097	1.163	1.133	2.7	

NTHRACENE	1.099	1.101	1.043	1.018	1.027	1.058	3.3	
I-N-BUTYLPHTHALATE	1.370	1.402	1.301	1.254	1.281	1.322	4.2	
FLUORANTHENE	*1.086	1.11?	1.078	1.033	1.005	1.064	3.7	*
PYRENE	1.937	2.200	1.?55	2.147	2.115	2.051	6.4	
BUTYLBENZYLPHTHALATE	0.846	0.955	0.884	0.989	1.054	0.946	7.8	
3,3'-DICHLOROBENZIDINE	0.049	0.049	0.049	0.065	0.093	0.061	27.7	
BENZO(A)ANTHRACENE	1.306	1.343	1.321	1.490	1.829	1.458	13.5	
BIS(2-ETHYLHEXYL)PHTHALATE	1.139	1.233	1.164	1.369	1.389	1.259	8.1	
CHRYSENE	1.198	1.204	1.210	1.210	1.125	1.189	2.7	
DI-N-OCTYL PHTHALATE	*2.181	2.328	2.245	2.339	2.284	2.276	2.5	
BENZO(B)FLUORANTHENE	1.232	1.309	1.323	1.457	1.272	1.318	5.7	
BENZO(K)FLUORANTHENE	1.083	1.098	1.075	0.993	1.425	1.135	13.1	
BENZO(A)PYRENE	*1.021	1.090	1.078	1.103	1.116	1.082	3.0	*
INDENO(1,2,3-CD)PYRENE	0.992	1.062	1.105	0.986	1.152	1.060	6.0	
DIBENZO(A,H)ANTHRACENE	0.776	0.862	0.998	0.901	0.861	0.859	5.2	
BENZO(GHI)PERYLENE	0.840	0.935	0.943	0.939	0.850	0.901	5.1	

003061

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

ORGANICS TRAFFIC REPORT

Sample Number
FD 018

① Case Number:

Sample Site Name/Code:

② SAMPLE CONCENTRATION
(Check One)
___ Low Concentration
___ Medium Concentration

③ SAMPLE MATRIX
(Check One)
___ Water
___ Soil/Sediment

④ Ship To: 6538 346
8611-067
Attn:
Transfer
Ship To:

⑤ Regional Office:
Sampling Personnel:
(Name)
(Phone)
Sampling Date:
(Begin) (End)

⑥ For each sample collected specify number of containers used and mark volume level on each bottle.

	Number of Containers	Approximate Total Volume	
Water (Extractable)			
Water (VOA)			
Soil/Sediment (Extractable)	1		Oil
Soil/Sediment (VOA)			ok
Other			

003062

⑦ Shipping Information
Name of Carrier
Date Shipped:
Airbill Number:

⑧ Sample Description
___ Surface Water ___ Mixed Media
___ Ground Water ___ Solids
___ Leachate ___ Other (specify) _____

⑨ Sample Location

⑩ Special Handling Instructions:
(e.g., safety precautions, hazardous nature)

DOC. CODE # 6538-6-C

⑪ Analysis Lab:
Rec'd by:
Date Rec'd:
Sample Condition on Receipt (e.g., broken, no ice, Chain-of-Custody, etc.)

LAB FILE COPY

6538 347

Sample #
F3918

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: Acurex Corporation
Lab Sample ID No: 8611-057-2
Sample Matrix: Soil
Data Release Authorized By: R. Scott

Case No: 6538
SC Report No:
Contract No: 68-01-7142
Date Sample Received: 11/25/86

Volatile Compounds
Concentration: Low
Date Prepared: 12/05/86
Date Analyzed: 12/05/86
Dont. Factor: 1 pH: 5.1
Percent Moisture (Not Decanted): 24

CAS Number		ug/kg	CAS Number		ug/kg
74-87-3	Chloromethane	10 U	78-87-5	1,2-Dichloropropane	7 U
74-83-9	Bromomethane	10 U	10061-02-6	trans-1,3-Dichloropropene	7 U
75-01-4	Vinyl Chloride	10 U	79-01-6	Trichloroethene	7 U
75-00-3	Chloroethane	10 U	124-48-1	Dibromochloromethane	7 U
75-09-2	Methylene Chloride	17 B	79-00-5	1,1,2-Trichloroethane	7 U
67-64-1	Acetone	10 U	71-43-2	Benzene	1 J
75-15-0	Carbon Disulfide	7 U	10061-01-5	cis-1,3-Dichloropropene	7 U
75-35-4	1,1-Dichloroethene	7 U	110-75-8	2-Chloroethylvinylether	10 U
75-34-3	1,1-Dichloroethane	7 U	75-25-2	Bromoform	7 U
156-60-5	Trans-1,2-Dichloroethene	7 U	108-10-1	4-Methyl-2-Pentanone	10 U
67-66-3	Chloroform	7 U	591-78-6	2-Hexanone	10 U
107-06-2	1,2-Dichloroethane	7 U	127-18-4	Tetrachloroethene	7 U
78-93-3	2-Butanone	10 U	79-34-5	1,1,2,2-Tetrachloroethane	7 U
71-55-6	1,1,1-Trichloroethane	7 U	108-88-3	Toluene	1 J
56-23-5	Carbon Tetrachloride	7 U	108-90-7	Chlorobenzene	7 U
108-05-4	Vinyl Acetate	10 U	100-41-4	Ethylbenzene	7 U
75-27-4	Bromodichloromethane	7 U	100-42-5	Styrene	7 U
				Total Xylenes	7 U

Flags
U Compound was analyzed for but not detected.
J Estimated value. Compound present but at less than the specified detection limit.
C Pesticide confirmed by GC/MS.
B Compound found in blank as well as sample. Possible blank contamination.

6538 348

Laboratory Name: [illegible]
Case No: 6538

Sample #
FD018

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration: Low
Date Extracted: 12/02/86
Date Analyzed: 12/08/86
Conc. Factor: 29.5
Percent Moisture (Decanted): 24

GPC Cleanup ___Yes _X_No
Separatory Funnel Extraction ___Yes
Continuous Liquid-Liquid Extraction ___Yes

CAS Number		ug/Kg	CAS Number		ug/Kg
108-95-2	Phenol	500 U	83-32-9	Acenaphthene	500 U
111-44-4	bis(2-Chloroethyl)Ether	500 U	51-28-5	2,4-Dinitrophenol	2000 U
95-57-8	2-Chlorophenol	500 U	100-02-7	4-Nitrophenol	2000 U
541-73-1	1,3-Dichlorobenzene	500 U	132-64-9	Dibenzofuran	500 U
106-46-7	1,4-Dichlorobenzene	500 U	121-14-2	2,4-Dinitrotoluene	500 U
100-51-6	Benzyl Alcohol	500 U	606-20-2	2,6-Dinitrotoluene	500 U
95-50-1	1,2-Dichlorobenzene	500 U	84-66-2	Diethylphthalate	500 U
95-48-7	2-Methylphenol	500 U	7005-72-3	4-Chlorophenyl-phenyl ether	500 U
39638-32-9	bis(2-Chloroisopropyl)Ether	500 U	86-73-7	Fluorene	500 U
106-44-5	4-Methylphenol	500 U	100-01-6	4-Nitroaniline	2000 U
621-64-7	N-Nitroso-Di-n-Propylamine	500 U	534-52-1	4,6-Dinitro-2-Methylphenol	2000 U
67-72-1	Hexachloroethane	500 U	86-30-6	N-Nitrosodiphenylamine (1)	170 J B
98-95-3	Nitrobenzene	500 U	101-55-3	4-Bromophenyl-phenylether	500 U
78-59-1	Isophorone	500 U	118-74-1	Hexachlorobenzene	500 U
88-75-5	2-Nitrophenol	500 U	87-86-5	Pentachlorophenol	2000 U
105-67-9	2,4-Dimethylphenol	500 U	85-01-8	Phenanthrene	500 U
65-85-0	Benzoic Acid	2000 U	120-12-7	Anthracene	500 U
111-91-1	bis(2-Chloroethoxy)Methane	500 U	84-74-2	Di-n-Butylphthalate	500 U
120-83-2	2,4-Dichlorophenol	500 U	206-44-0	Fluoranthene	500 U
120-82-1	1,2,4-Trichlorobenzene	500 U	129-00-0	Pyrene	500 U
91-20-3	Naphthalene	500 U	85-68-7	Butylbenzylphthalate	500 U
106-47-8	4-Chloroaniline	500 U	91-94-1	3,3'-Dichlorobenzidine	900 U
87-68-3	Hexachlorobutadiene	500 U	56-55-3	Benzo(a)Anthracene	500 U
59-50-7	4-Chloro-3-Methylphenol	500 U	117-81-7	bis(2-Ethylhexyl)Phthalate	500 U
91-57-6	2-Methylnaphthalene	500 U	218-01-9	Chrysene	500 U
77-47-4	Hexachlorocyclopentadiene	500 U	117-84-0	Di-n-Octyl Phthalate	500 U
88-06-2	2,4,6-Trichlorophenol	500 U	205-99-2	Benzo(b)Fluoranthene	500 U
95-95-4	2,4,5-Trichlorophenol	2000 U	207-08-9	Benzo(k)Fluoranthene	500 U
91-58-7	2-Chloronaphthalene	500 U	50-32-8	Benzo(a)Pyrene	500 U
88-74-4	2-Nitroaniline	2000 U	193-39-5	Indeno 1,2,3-cd)Pyrene	500 U
131-11-3	Dimethylphthalate	500 U	53-70-3	Dibenz(a,h)Anthracene	500 U
208-96-8	Acenaphthylene	500 U	191-24-2	Benzo(g,h,i)Perylene	500 U
99-09-2	3-Nitroaniline	2000 U			

(1)-Cannot be separated from Diphenylamine

003064

6538 349

003065

6538 350

LABORATORY NAME ACUREX CORPORATION SAMPLE NUMBER: FD018

CASE NO: 6538

ORGANICS ANALYSIS DATA SHEET - PAGE 4

DATAFILE: E1167V02R

TENTATIVELY IDENTIFIED COMPOUNDS

CAS #	VOLATILE COMPOUND NAMES	SCAN#	EST. CONC.
			UG/KG

NO NON-HSL COMPOUNDS FOUND > 10% OF NEAREST INT STD

6538 351

LABORATORY NAME: ACUREX CORPORATION SAMPLE NUMBER: FD018

CASE NO: 6538

ORGANICS ANALYSIS DATA SHEET - PAGE 5

DATAFILE: E1167C02

TENTATIVELY IDENTIFIED COMPOUNDS

CAS #	SEMIVOLATILE COMPOUND NAMES	SCAN#	EST. CONC. UG/KG	
	UNKNOWN	415	420	B
3337-65-4	HEXANEDIOIC ACID, MONO(2-ETHYLHEXYL)ESTER	1852	1100	B
	UNKNOWN	2269	630	B

Sample #
F0009

Organics Analysis Data Sheet
Page 1)

Laboratory Name: Acurex Corporation
Lab Sample ID No: 8611-067-1
Sample Matrix: Soil
Data Release Authorized by: R. Scott

Case No: 3538
SC Report No:
Contract No: 68-01-7142
Date Sample Received: 11/26/86

Volatile Compounds
Concentration: Low
Date Prepared: 12/05/86
Date Analyzed: 12/05/86
Conc. Factor: 1 pH: 8.3
Percent Moisture (Not Decanted): 17

CAS Number		ug/kg	CAS Number		ug/kg
74-87-3	Chloromethane	10 U	78-87-5	1,2-dichloropropane	5 U
74-83-9	Bromomethane	10 U	10061-02-6	Trans-1,3-Dichloropropene	5 U
75-01-4	Vinyl Chloride	10 U	79-01-6	Trichloroethene	5 U
75-00-3	Chloroethane	10 U	124-48-1	Dibromochloromethane	5 U
75-09-2	Methylene Chloride	15 B	79-00-51	1,1,2-Trichloroethane	5 U
67-64-1	Acetone	10 U	71-43-2	Benzene	1 J
75-15-0	Carbon Disulfide	5 U	10061-01-5	cis-1,3-Dichloropropene	5 U
75-35-4	1,1-Dichloroethene	5 U	110-75-8	2-Chloroethylvinylether	10 U
75-34-3	1,1-Dichloroethane	5 U	75-25-28	Bromoform	5 U
156-60-5	Trans-1,2-Dichloroethene	5 U	108-10-1	4-Methyl-2-Pentanone	10 U
67-66-3	Chloroform	5 U	591-78-6	2-Hexanone	10 U
107-06-2	1,2-Dichloroethane	5 U	127-18-4	Tetrachloroethene	5 U
78-93-3	2-Butanone	10 U	79-34-5	1,1,2,2-Tetrachloroethane	5 U
71-55-6	1,1,1-Trichloroethane	5 U	108-88-3	Toluene	4 J
56-23-5	Carbon Tetrachloride	5 U	108-90-7	Chlorobenzene	5 U
108-05-4	Vinyl Acetate	10 U	100-41-4	Ethylbenzene	5 U
75-27-4	Bromodichloromethane	5 U	100-42-5	Styrene	5 U
				Total Xylenes	5 U

Flags
U Compound was analyzed for but not detected.
J Estimated value. Compound present but at less than the specified detection limit.
C Pesticide confirmed by GC/MS.
B Compound found in blank as well as sample. Possible blank contamination.

6538 321

Laboratory Name: Acurex
Case No: 6538

Sample #
F5009

Organics Analysis Data Sheet
(Page 1)

Semivolatile Compounds

Concentration: Low
Date Extracted: 12/02/86
Date Analyzed: 12/08/86
Conc. Factor: 28.5
Percent Moisture (Decanted): 17

GPC Cleanup ___yes _X_No
Separatory Funnel Extraction ___yes
Continuous Liquid-Liquid Extraction ___yes

CAS Number		ug/kg		CAS Number		ug/kg	
108-95-2	Phenol	400	U	83-32-9	Acenaphthene	400	U
111-44-4	bis(2-Chloroethyl)Ether	400	U	51-28-5	2,4-Dinitrophenol	2000	U
95-57-8	2-Chlorophenol	400	U	100-02-7	4-Nitrophenol	2000	U
541-73-1	1,3-Dichlorobenzene	400	U	132-64-9	Dibenzofuran	400	U
106-46-7	1,4-Dichlorobenzene	400	U	121-14-2	2,4-Dinitrotoluene	400	U
100-51-6	Benzyl Alcohol	400	U	606-20-2	2,6-Dinitrotoluene	400	U
95-50-1	1,2-Dichlorobenzene	400	U	84-66-2	Diethylphthalate	400	U
95-48-7	2-Methylphenol	400	U	7005-72-3	4-Chlorophenyl-phenylether	400	U
39638-32-9	bis(2-Chloroisopropyl)Ether	400	U	86-73-7	Fluorene	400	U
106-44-5	4-Methylphenol	400	U	100-01-6	4-Nitroaniline	2000	U
621-64-7	N-Nitroso-Di-n-Propylamine	400	U	534-52-1	4,6-Dinitro-2-Methylphenol	2000	U
67-72-1	Hexachloroethane	400	U	86-30-6	N-Nitrosodiphenylamine (1)	180	J B
98-95-3	Nitrobenzene	400	U	101-55-3	4-Bromophenyl-phenylether	400	U
78-59-1	Isophorone	400	U	118-74-1	Hexachlorobenzene	400	U
88-75-5	2-Nitrophenol	400	U	87-86-5	Pentachlorophenol	2000	U
105-67-9	2,4-Dimethylphenol	400	U	85-01-8	Phenanthrene	400	U
65-85-0	Benzoic Acid	2000	U	120-12-7	Anthracene	400	U
111-91-1	bis(2-Chloroethoxy)Methane	400	U	84-74-2	Di-n-Butylphthalate	400	U
120-83-2	2,4-Dichlorophenol	400	U	206-44-0	Fluoranthene	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U	129-00-0	Pyrene	400	U
91-20-3	Naphthalene	400	U	85-68-7	Butylbenzylphthalate	400	U
106-47-8	4-Chloroaniline	400	U	91-94-1	3,3'-Dichlorobenzidine	800	U
87-68-3	Hexachlorobutadiene	400	U	56-55-3	Benzo(a)Anthracene	400	U
59-50-7	4-Chloro-3-Methylphenol	400	U	117-81-7	bis 2-Ethylhexyl)Phthalate	440	
91-57-6	2-Methylnaphthalene	400	U	218-01-9	Chrysene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U	117-84-0	Di-n-Octyl Phthalate	400	U
88-06-2	2,4,6-Trichlorophenol	400	U	205-99-2	Benzo(b)Fluoranthene	400	U
95-95-4	2,4,5-Trichlorophenol	2000	U	207-08-9	Benzo(k)Fluoranthene	400	U
91-58-7	2-Chloronaphthalene	400	U	50-32-8	Benzo(a)Pyrene	400	U
88-74-4	2-Nitroaniline	2000	U	193-39-5	Indeno(1,2,3-cd)Pyrene	400	U
131-11-3	Dimethylphthalate	400	U	53-70-3	Dibenz(a,h)Anthracene	400	U
208-96-8	Acenaphthylene	400	U	191-24-2	Benzo(g,h,i)Perylene	400	U
99-09-2	3-Nitroaniline	2000	U				

(1)-Cannot be separated from diphenylamine

6538 322

[illegible]　　　　　　　　　　　　　　　　　　Sample #
[illegible]　　　　　　　　　　　　　　　　　　ED09

[illegible] Analysis Data Sheet
(Page 2)
Pesticide/PCB

Concentration: Low　　　　　GPC Cleanup __Yes _X No
Date Extracted: 12/02/85　　　　Separatory Funnel Extraction __Yes
Date Analyzed: 12/09/[illegible]　　　　Continuous Liquid-Liquid Extraction __Yes
[illegible] Factor: 15
[illegible] (Decachlor[illegible]): [illegible]

CAS Number		ug/kg	
[illegible]-84-[illegible]	alpha-BHC	10	J
[illegible]-85-[illegible]	beta-BHC	10	U
[illegible]-86-[illegible]	delta-BHC	10	U
[illegible]-89-[illegible]	Gamma-BHC (Lindane)	10	U
[illegible]-44-[illegible]	Heptachlor	10	J
[illegible]-00-[illegible]	Aldrin	10	U
[illegible]-57-[illegible]	Heptachlor Epoxide	10	U
[illegible]	Endosulfan I	10	U
[illegible]-57-[illegible]	Dieldrin	20	U
[illegible]-55-[illegible]	4,4'-DDE	20	J
[illegible]-20-[illegible]	Endrin	20	U
[illegible]	Endosulfan II	20	U
[illegible]-54-8	4,4'-DDD	20	U
[illegible]	Endosulfan Sulfate	20	U
[illegible]	4,4'-DDT	20	[illegible]
[illegible]-43-5	Methoxychlor	100	[illegible]
[illegible]	Endrin Ketone	20	[illegible]
[illegible]	Chlordane	[illegible]	[illegible]
[illegible]	Toxaphene	[illegible]	[illegible]
[illegible]	Aroclor-1016	100	[illegible]
[illegible]	Aroclor-1221	100	U
[illegible]	Aroclor-1232	100	U
[illegible]	Aroclor-1242	100	U
[illegible]	Aroclor-1248	100	U
[illegible]-97-[illegible]	Aroclor-1254	200	J
11096-8[illegible]	Aroclor-1260	200	U

V(i) = Volume of extract injected (ul)
V(s) = Volume of water extracted (ml)
W(s) = Weight of soil extracted (g)
V(t) = Volume of total extract (ul)

[illegible]　　W(s) = 30　　V(t) = 1000　　V(i) = 2

LABORATORY NAME ACUREX CORPORATION SAMPLE NUMBER: FD009

CASE NO. 6538

ORGANICS ANALYSIS DATA SHEET - PAGE 4

DATAFILE: E1167V01R

TENTATIVELY IDENTIFIED COMPOUNDS

CAS #	VOLATILE COMPOUND NAMES	SCAN#	EST. CONC.
			UG/KG

NO NON-HSL COMPOUNDS FOUND > 10% OF NEAREST INT. STD.

6538 324

LABORATORY NAME: ACUREX CORPORATION SAMPLE NUMBER: FD009

CASE NO: 6538

ORGANICS ANALYSIS DATA SHEET - PAGE 5

DATAFILE: E1167C01

TENTATIVELY IDENTIFIED COMPOUNDS

CAS #	SEMIVOLATILE COMPOUND NAMES	SCAN#	EST. CONC. UG/KG	
	UNKNOWN	409	390	B
6337-65-9	HEXANEDIOIC ACID, MONO(2-ETHYLHEXYL)ESTER	1853	750	B
	UNKNOWN	2273	670	B

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

ORGANICS TRAFFIC REPORT

Sample Number: FD 009

① Case Number:

Sample Site Name/Code:

② SAMPLE CONCENTRATION (Check One)
- ___ Low Concentration
- ___ Medium Concentration

8611-067

③ SAMPLE MATRIX (Check One)
- ___ Water
- ___ Soil/Sediment

④ Ship To: 6538 319

Attn:

Transfer Ship To:

⑤ Regional Office:

Sampling Personnel:

(Name)

(Phone)

Sampling Date:

(Begin) (End)

⑥ For each sample collected specify number of containers used and mark volume level on each bottle.

	Number of Containers	Approximate Total Volume	⑪ Analysis Lab: Rec'd by: / Date Rec'd: / Sample Condition on Receipt (e.g., broken, no ice, Chain-of-Custody, etc.)
Water (Extractable)			
Water (VOA)			
Soil/Sediment (Extractable)	1		
Soil/Sediment (VOA)			
Other			

⑦ Shipping Information

Name of Carrier

Date Shipped: 9/10

Airbill Number:

⑧ Sample Description
- ___ Surface Water
- ___ Ground Water
- ___ Leachate
- ___ Mixed Media
- ___ Solids
- ___ Other (specify) ___

⑨ Sample Location

⑩ Special Handling Instructions: (e.g., safety precautions, hazardous nature)

Doc. Code 6538-6-C

LAB FILE COPY

003073

ACUREX Corporation

Energy & Environmental Division

December 19, 1986

U.S. Environmental Protection Agency
Contract Laboratory Program
Sample Management Office
300 N. Lee Street, #200
Alexandria, VA 22314

Attention: Linda Boynton

Subject: Data Package for Two Soil Samples
Case 6538
Contract #: 68-01-7142
Protocol: July 1985

Enclosed please find the sample data package and standards package for two soil samples identified as FD009 and FD018.

Please note that pages of this report are numbered at the top of the page. The first four digits are the case number and the remaining digits are the sequential page numbers starting with page 312.

Quantitation reports in this package represent final values for those compounds found in each sample. The quantitation lists from which these are generated have been edited to remove false positives based on an inspection of the dual display of the sample spectra and the library spectra. A correction factor has been applied to the calculation so that amounts reported represent the true values relative to the original sample. The equation at the bottom of each quantitation report details how this correction factor was obtained.

If you have any questions regarding this package, please call.

Sincerely,

Richard Scott

Richard Scott
Project Manager

RS/ats

cc: USEPA Region VI
Environmental Services Division
6608 Hornwood Drive
Monterey Park Plaza, Bldg. C
Houston, TX 77074
Attention: William Langley

USEPA
944 E. Harmon Avenue
Las Vegas, NV 89109

485 Clyde Avenue, P.O. Box 7044, Mountain View, CA 94039 (415) 961-5700 Telex: 325961 FAX: (415) 964-5148

SOIL SURROGATE PERCENT RECOVERY SUMMARY

Case No: 6538 Contract Laboratory: Acurex Contract No: 68-01-7142

Low ___Medium Medium ___

EMD traffic no.	Volatile: Toluene-d8 (81-117)	Volatile: BFB (74-121)	Volatile: 1,2-Dichloroethane-d4 (70-121)	Semi-Volatile: Nitrobenzene-d5 (23-120)	Semi-Volatile: 2-Fluorobiphenyl (30-115)	Semi-Volatile: Terphenyl-d14 (18-137)	Semi-Volatile: Phenol-d5 (24-113)	Semi-Volatile: 2-Fluorophenol (25-121)	Semi-Volatile: 2,4,6-Tribromophenol (19-122)	Pesticide: Dibutylchlorendate** (20-150)
FB009	102	108	102	55	56	73	58	64	56	95
FB010	100	108	104	56	56	74	60	73	53	90
B1205701	99	110	95	NA	NA	NA	NA	NA	NA	NA
B115TCMS	NA	NA	NA	65	64	72	63	72	52	NA
Pest Blk	NA	NA	NA	NA	NA	NA	NA	NA	NA	125
FB009MS	NA	NA	NA	44	47	70	54	54	64	100
FB010MS	104	114	106	NA	NA	NA	NA	NA	NA	NA
FB009MSD	NA	NA	NA	60	59	77	70	76	63	100
FB010MSD	110	104	99	NA	NA	NA	NA	NA	NA	NA

* Values are outside contract required QC limits

**Advisory limits only

Volatiles: 0 out of 15 outside of QC limits

Semi-Volatiles: 6 out of 30 outside of QC limits

Pesticides: 0 out of 5 outside of QC limits

Comments: NA = fraction not analyzed.

FORM II

SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Case No: 6538 Contractor: Acurex Contract No: 68-01-7142

Low Level ____X_____ Medium Level _____

Fraction	Compound	Conc. Spike Added	Sample Result	Conc. MS	% Rec	Conc. MSD	% Rec	RPD	QC Limits* RPD	QC Limits* Recovery
VOA	1,1-Dichloroethene	66	0	31	47 *	70	45 *	3	22	59-172
SMO	Trichloroethene	66	0	64	97	62	94	3	24	62-137
SAMPLE NO.	Chlorobenzene	66	0	0	0 *	68	103	200 *	21	60-133
FD019	Toluene	66	2	72	108	73	108	0	21	59-139
	Benzene	66	1	78	117	80	120	3	21	66-142
	1,2,4-Trichlorobenzene	2000	0	879	44	1197	60	31 *	23	38-107
B/N	Acenaphthene	2000	0	1024	51	1238	62	19	19	31-137
SMO	2,4-Dinitrotoluene	2000	0	1044	52	1140	57	9	47	28-89
SAMPLE NO.	Pyrene	2000	0	1385	69	1562	78	12	36	35-142
FD009	N-Nitroso-Di-n-Propylamine	2000	0	975	49	1265	63	26	38	41-126
	1,4-Dichlorobenzene	2000	0	799	40	1124	56	34 *	27	28-104
ACID	Pentachlorophenol	4016	0	2304	57	1355	34	52 *	47	17-109
SMO	Phenol	4016	0	2038	51	2739	68	29	35	26-90
SAMPLE NO.	2-Chlorophenol	4016	0	2069	52	2711	68	27	50	25-102
FD009	4-Chloro-3-Methylphenol	4016	0	2202	55	2573	64	16	33	26-103
	4-Nitrophenol	4016	0	2616	65	2126	53	21	50	11-114
	Lindane	32	0	27	84	23	72	16	50	46-127
PEST	Heptachlor	32	0	20	63	22	69	10	31	35-130
SMO	Aldrin	32	0	40	125	37	116	8	43	34-132
SAMPLE NO.	Dieldrin	80	0	64	80	60	75	6	38	31-134
FD009	Endrin	80	0	80	100	76	95	5	45	42-139
	4,4'-DDT	80	0	72	90	68	85	6	50	23-134

*Determined values are outside QC limits.

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

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

Comments: _____

FORM III

METHOD BLANK SUMMARY

Case No. 6538 Region 6 Contractor Acurex Contract No. 68-01-7142

FILE ID	DATE OF ANALYSIS	FRACTION	MATRIX	CONC. LEVEL	INST. ID	CAS NUMBER	COMPOUND (NBS, TIC OR UNKNOWN)	CONC.	UNITS	CRDL
B1205V01	12-5-86	VOA	Water	Lo	1020	75-09-2	Methylene chloride	10	ug/kg	5
↓	↓	↓	↓	↓	↓	556-67-2	Octamethylcyclotetrasiloxane	15	↓	—
E1167 CMB	12-8-86	BNA	Water	Lo	4500	86-30-6	N-nitrosodiphenylamine	270	ug/kg	400
						—	Unknown	350		—
						4337-65-9	Mono(2-Ethylhexyl)ester Hexanedioic acid	520		—
↓	↓	↓	↓	↓	↓	—	Unknown	510	↓	—
Pest Blk	12-9-86	Pest	Water	Lo	3400	—	None	—	—	—

Comments:

5535 314

FORM IV 7/85

SEMIVOLATILE WATER REPORT

SAMPLE ID: FD017MSD LL BNA WATER

FILENAME E1163C6MDR INSTRUMENT ID: FINN 4500

CLIENT EPA ANALYST RW

DATE INJECTED 12/08/86 VERIFIED BY

STANDARD ID. S1208C01 CORR. FACTOR 10.00

SCAN#	LIB#	COMPOUNDS		M/E	AMOUNT	RRT	AREA
563	1	IS#1 1,4-DICHLOROBENZENE-D4		152	400 UG/L	1.000	18623
807	2	IS#2 NAPHTHALENE-D8		136	400 UG/L	1.000	74173
1139	3	IS#3 ACENAPHTHENE-D10		164	400 UG/L	1.000	31322
1411	4	IS#4 PHENANTHRENE-D10		188	400 UG/L	1.000	55489
1908	5	IS#5 CHRYSENE-D10		240	400 UG/L	1.000	31775
2157	6	IS#6 PERYLENE-D12		264	400 UG/L	1.000	27309
332	7	SU#1 2-FLUOROPHENOL		112	45 9 %	0.590	5305
525	8	SU#2 PHENOL-D5		99	50 10 %	0.933	8741
676	9	SU#3 NITROBENZENE-D5		128	60 12 %	0.838	1881
1020	10	SU#4 2-FLUOROBIPHENYL		172	70 14 %	0.896	8751
1288	11	SU#5 2,4,6-TRIBROMOPHENOL		330	35 7 %	1.131	704
1720	12	SU#6 P-TERPHENYL-D14		244	70 14 %	0.901	6292
527	14	PHENOL	*	94	94 UG/L	0.936	9045
533	17	2-CHLOROPHENOL		128	102 UG/L	0.947	6782
566	19	1,4-DICHLOROBENZENE	*	146	67 UG/L	1.005	5325
802	34	1,2,4-TRICHLOROBENZENE		180	67 UG/L	0.994	3431
811	35	NAPHTHALENE		128	957 UG/L	1.005	185348
939	38	4-CHLORO-3-METHYLPHENOL	*	107	103 UG/L	1.164	5400
1144	48	ACENAPHTHENE	*	154	233 UG/L	1.004	23409
1174	51	DIBENZOFURAN		168	74 UG/L	1.031	10134
1191	52	2,4-DINITROTOLUENE		165	57 UG/L	1.046	1788
1238	56	FLUORENE		166	21 UG/L	1.087	2438
1270	59	N-NITROSODIPHENYLAMINE	*	169	55 UG/L	0.900	2411
1551	65	DI-N-BUTYLPHTHALATE		149	69 UG/L	1.099	13844
1676	68	PYRENE		202	71 UG/L	0.878	10599

SURROGATES ARE OUT OF LIMITS!

C.F. = 1000 * 2 FINAL VOL. (MLS) * 5 D.F. * — D.W.F.

1000 INIT VOL. OR WT. (MLS OR GMS)

003078

VOA WATER REPORT

SAMPLE ID. FD017MSD LL WATER VOA SPIKE DUP

FILENAME E1163V06MD

CLIENT EPA

DATE INJECTED 12/02/86 16.39

STANDARD ID. S1202V02

INSTRUMENT ID: FINN 1020

ANALYST PV

VERIFIED BY

CORR. FACTOR 1.00

SCAN#	LIB#	COMPOUNDS		M/E	AMOUNT	RRT	ARE
147	1	BROMOCHLOROMETHANE (IS1)		128	50 UG/L	1.000	3391
363	2	1,4-DIFLUOROBENZENE (IS2)		114	50 UG/L	1.000	15814
453	3	CHLOROBENZENE-D5 (IS3)		117	50 UG/L	1.000	12206
211	4	1,2-DICHLOROETHANE-D4 (SU1)		65	104 %	1.435	5105
427	5	TOLUENE-D8 (SU2)		98	106 %	0.943	13637
524	6	P-BROMOFLUOROBENZENE (SU3)		95	92 %	1.157	8709
81	11	METHYLENE CHLORIDE		84	92. UG/L	0.551	6404
135	14	1,1-DICHLOROETHENE	*	96	27. UG/L	0.918	1952
311	27	TRICHLOROETHENE		130	50. UG/L	0.857	6636
318	30	BENZENE		78	61. UG/L	0.876	16415
431	37	TOLUENE	*	91	57. UG/L	0.951	16508
456	38	CHLOROBENZENE	**	112	49. UG/L	1.007	11221
490	39	ETHYLBENZENE	*	106	7. UG/L	1.082	812
551	41	TOTAL XYLENES		91	9. UG/L	1.216	2661

6538 367

Laboratory Name: Acure.
Case No: 6538

Sample #
F8017M59

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration: Low
Date Extracted: 11/28/86
Date Analyzed: 12/08/86
Conc. Factor: 100
Percent Moisture (Decanted): ---

GPC Cleanup ___Yes _X_No
Separatory Funnel Extraction ___Yes
Continuous Liquid-Liquid Extraction _X_Yes

CAS Number		ug/L		CAS Number		ug/L	
108-95-2	Phenol	94	Spike	83-32-9	Acenaphthene	230	Spike
111-44-4	bis(2-Chloroethyl)Ether	50 U		51-28-5	2,4-Dinitrophenol	200 U	
95-57-8	2-Chlorophenol	100	Spike	100-02-7	4-Nitrophenol	200 U	Spike
541-73-1	1,3-Dichlorobenzene	50 U		132-64-9	Dibenzofuran	74	
106-46-7	1,4-Dichlorobenzene	67	Spike	121-14-2	2,4-Dinitrotoluene	57	Spike
100-51-6	Benzyl Alcohol	50 U		606-20-2	2,6-Dinitrotoluene	50 U	
95-50-1	1,2-Dichlorobenzene	50 U		84-66-2	Diethylphthalate	50 U	
95-48-7	2-Methylphenol	50 U		7005-72-3	4-Chlorophenyl-phenylether	50 U	
39638-32-9	bis(2-Chloroisopropyl)Ether	50 U		86-73-7	Fluorene	21 J	
106-44-5	4-Methylphenol	50 U		100-01-6	4-Nitroaniline	200 U	
621-64-7	N-Nitroso-Di-n-Propylamine	50 U	Spike	534-52-1	4,6-Dinitro-2-Methylphenol	200 U	
67-72-1	Hexachloroethane	50 U		86-30-6	N-Nitrosodiphenylamine (1)	55	B
98-95-3	Nitrobenzene	50 U		101-55-3	4-Bromophenyl-phenylether	50 U	
78-59-1	Isophorone	50 U		118-74-1	Hexachlorobenzene	50 U	
88-75-5	2-Nitrophenol	50 U		87-86-5	Pentachlorophenol	200 U	Spike
105-67-9	2,4-Dimethylphenol	50 U		85-01-8	Phenanthrene	50 U	
65-85-0	Benzoic Acid	200 U		120-12-7	Anthracene	50 U	
111-91-1	bis(2-Chloroethoxy)Methane	50 U		84-74-2	Di-n-Butylphthalate	69	Spike
120-83-2	2,4-Dichlorophenol	50 U		206-44-0	Fluoranthene	50 U	
120-82-1	1,2,4-Trichlorobenzene	67	Spike	129-00-0	Pyrene	71	Spike
91-20-3	Naphthalene	96		85-68-7	Butylbenzylphthalate	50 U	
106-47-8	4-Chloroaniline	50 U		91-94-1	3,3'-Dichlorobenzidine	100 U	
87-68-3	Hexachlorobutadiene	50 U		56-55-3	Benzo(a)Anthracene	50 U	
59-50-7	4-Chloro-3-Methylphenol	100	Spike	117-81-7	bis(2-Ethylhexyl)Phthalate	50 U	
91-57-6	2-Methylnaphthalene	50 U		218-01-9	Chrysene	50 U	
77-47-4	Hexachlorocyclopentadiene	50 U		117-84-0	Di-n-Octyl Phthalate	50 U	
88-06-2	2,4,6-Trichlorophenol	50 U		205-99-2	Benzo(b)Fluoranthene	50 U	
95-95-4	2,4,5-Trichlorophenol	200 U		207-08-9	Benzo(k)Fluoranthene	50 U	
91-58-7	2-Chloronaphthalene	50 U		50-32-8	Benzo(a)Pyrene	50 U	
88-74-4	2-Nitroaniline	200 U		193-39-5	Indeno(1,2,3-cd)Pyrene	50 U	
131-11-3	Dimethylphthalate	50 U		53-70-3	Dibenz(a,h)Anthracene	50 U	
208-96-8	Acenaphthylene	50 U		191-24-2	Benzo(g,h,i)Perylene	50 U	
99-09-2	3-Nitroaniline	200 U					

(1)-Cannot be separated from diphenylamine

6538 3[illegible]

Sample #
F9017MSD

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: Acurex Corporation
Lab Sample ID No: 6611-65-6MSD
Sample Matrix: Water
Data Release Authorized by: R. Scott

Case No: 6538
GC Report No:
Contract No: 68-01-7142
Date Sample Received: 11/25/86

Volatile Compounds
Concentration: Low
Date Prepared: 12/02/86
Date Analyzed: 12/02/86
Conc. Factor: 1 pH: ---
Percent Moisture Not Decanted : ---

No Pesticide

CAS Number		ug/L		CAS Number		ug/L	
74-87-3	Chloromethane	10 U		78-87-5	1,2-dichloropropane	5 U	
74-83-9	Bromomethane	10 U		10061-02-6	Trans-1,3-Dichloropropene	5 U	
75-01-4	Vinyl Chloride	10 U		79-01-6	Trichloroethene	50	Spike
75-00-3	Chloroethane	10 U		124-48-1	Dibromochloromethane	5 U	
75-09-2	Methylene Chloride	92		79-00-51	1,1,2-Trichloroethane	5 U	
67-64-1	Acetone	10 U		71-43-2	Benzene	61	Spike
75-15-0	Carbon Disulfide	5 U		10061-01-5	cis-1,3-Dichloropropene	5 U	
75-35-4	1,1-Dichloroethene	27	Spike	110-75-8	2-Chloroethylvinylether	10 U	
75-34-3	1,1-Dichloroethane	5 U		75-25-28	Bromoform	5 U	
156-60-5	Trans-1,2-Dichloroethene	5 U		108-10-1	4-Methyl-2-Pentanone	10 U	
67-66-3	Chloroform	5 U		591-78-6	2-Hexanone	10 U	
107-06-2	1,2-Dichloroethane	5 U		127-18-4	Tetrachloroethene	5 U	
78-93-3	2-Butanone	10 U		79-34-5	1,1,2,2-Tetrachloroethane	5 U	
71-55-6	1,1,1-Trichloroethane	5 U		108-88-3	Toluene	57	Spike
56-23-5	Carbon Tetrachloride	5 U		108-90-7	Chlorobenzene	48	Spike
108-05-4	Vinyl Acetate	10 U		100-41-4	Ethylbenzene	-	
75-27-4	Bromodichloromethane	5 U		100-42-5	Styrene	5 U	
					Total Xylenes	3	

Flags
U Compound was analyzed for but not detected.
J Estimated value. Compound present but at less than the specified detection limit.
P Pesticide confirmed by GC/MS.
B Compound found in blank as well as sample. Possible blank contamination.

SEMIVOLATILE WATER REPORT

6585 BLS

SAMPLE ID: FD017MS LL BNA WATER

FILENAME E1163C6M8R INSTRUMENT ID: FINN 4500

CLIENT EPA ANALYST RW

DATE INJECTED 12/08/86 VERIFIED BY

STANDARD ID. S1208C01 CORR. FACTOR 10.00

SCAN#	LIB#	COMPOUNDS		M/E	AMOUNT	RRT	AREA
562	1	IS#1 1,4-DICHLOROBENZENE-D4		152	400 UG/L	1.000	17767
806	2	IS#2 NAPHTHALENE-D8		136	400 UG/L	1.000	72218
1138	3	IS#3 ACENAPHTHENE-D10		164	400 UG/L	1.000	30925
1410	4	IS#4 PHENANTHRENE-D10		188	400 UG/L	1.000	58635
1907	5	IS#5 CHRYSENE-D10		240	400 UG/L	1.000	28638
2156	6	IS#6 PERYLENE-D12		264	400 UG/L	1.000	23018
330	7	SU#1 2-FLUOROPHENOL		112	50 10 %	0.587	5566
524	8	SU#2 PHENOL-D5		99	60 12 %	0.932	9800
676	9	SU#3 NITROBENZENE-D5		128	50 10 %	0.839	1601
1020	10	SU#4 2-FLUOROBIPHENYL		172	75 15 %	0.896	8843
1287	11	SU#5 2,4,6-TRIBROMOPHENOL		330	35 7 %	1.131	731
1719	12	SU#6 P-TERPHENYL-D14		244	85 17 %	0.901	7071
526	14	PHENOL	*	94	109 UG/L	0.936	10042
531	17	2-CHLOROPHENOL		128	110 UG/L	0.945	7020
565	19	1,4-DICHLOROBENZENE	*	146	64 UG/L	1.005	4903
801	34	1,2,4-TRICHLOROBENZENE		180	65 UG/L	0.994	3234
810	35	NAPHTHALENE		128	817 UG/L	1.005	154054
939	38	4-CHLORO-3-METHYLPHENOL	*	107	107 UG/L	1.165	5442
1143	48	ACENAPHTHENE	*	154	214 UG/L	1.004	21231
1174	51	DIBENZOFURAN		168	62 UG/L	1.032	8305
1190	52	2,4-DINITROTOLUENE		165	58 UG/L	1.046	1811
1237	56	FLUORENE		166	19 UG/L	1.087	2134
1269	59	N-NITROSODIPHENYLAMINE	*	169	55 UG/L	0.900	2564
1550	65	DI-N-BUTYLPHTHALATE		149	73 UG/L	1.099	15508
1676	68	PYRENE		202	85 UG/L	0.879	11531

~~SURROGATES ARE OUT OF LIMITS!~~

C.F. = 1000 * 2 FINAL VOL. (MLS) * 5 D.F. * - D.W.F.

1000 INIT VOL. OR WT. (MLS OR GMS)

VOA WATER REPORT

SAMPLE ID.	FD017MS LL WATER VOA SPIKE		
FILENAME	E1163V06MS	INSTRUMENT ID:	FINN 1020
CLIENT	EPA	ANALYST	PV
DATE INJECTED	12/02/86 15:41	VERIFIED BY	
STANDARD ID.	S1202V02	CORR. FACTOR	1.00

SCAN#	LIB#	COMPOUNDS		M/E	AMOUNT	RRT	ARE
148	1	BROMOCHLOROMETHANE (IS1)		128	50 UG/L	1.000	3477
363	2	1,4-DIFLUOROBENZENE (IS2)		114	50 UG/L	1.000	15569
454	3	CHLOROBENZENE-D5 (IS3)		117	50 UG/L	1.000	13337
212	4	1,2-DICHLOROETHANE-D4 (SU1)		65	113 %	1.432	5714
427	5	TOLUENE-D8 (SU2)		98	102 %	0.941	14359
524	6	P-BROMOFLUOROBENZENE (SU3)		95	110 %	1.154	11269
81	11	METHYLENE CHLORIDE		84	96. UG/L	0.547	6803
136	14	1,1-DICHLOROETHENE	*	96	26. UG/L	0.919	1905
310	27	TRICHLOROETHENE		130	51. UG/L	0.854	6679
317	30	BENZENE		78	70. UG/L	0.873	18592
431	37	TOLUENE	*	91	57. UG/L	0.949	18193
456	38	CHLOROBENZENE	**	112	53. UG/L	1.004	13250
489	39	ETHYLBENZENE	*	106	8. UG/L	1.077	977
551	41	TOTAL XYLENES		91	10. UG/L	1.214	3191

6538 001

Laboratory Name: Acure
Case No: 6538

Sample #
FD017MS

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration: Low
Date Extracted: 11/28/86
Date Analyzed: 12/08/86
Conc. Factor: 100
Percent Moisture (Decanted): ---

GPC Cleanup ___Yes _X_No
Separatory Funnel Extraction ___Yes
Continuous Liquid-Liquid Extraction _X_Yes

CAS Number		ug/L		CAS Number		ug/L	
108-95-2	Phenol	110	Spike	83-32-9	Acenaphthene	210	Spike
111-44-4	bis(2-Chloroethyl)Ether	50 U		51-28-5	2,4-Dinitrophenol	200 U	
95-57-8	2-Chlorophenol	110	Spike	100-02-7	4-Nitrophenol	200 U	Spike
541-73-1	1,3-Dichlorobenzene	50 U		132-64-9	Dibenzofuran	62	
106-46-7	1,4-Dichlorobenzene	84	Spike	121-14-2	2,4-Dinitrotoluene	58	Spike
100-51-6	Benzyl Alcohol	50 U		606-20-2	2,6-Dinitrotoluene	50 U	
95-50-1	1,2-Dichlorobenzene	50 U		84-66-2	Diethylphthalate	50 U	
95-48-7	2-Methylphenol	50 U		7005-72-3	4-Chlorophenyl-phenylether	50 U	
39638-32-9	bis(2-Chloroisopropyl)Ether	50 U		86-73-7	Fluorene	19 J	
106-44-5	4-Methylphenol	50 U		100-01-6	4-Nitroaniline	200 U	
621-64-7	N-Nitroso-Di-n-Propylamine	50 U	Spike	534-52-1	4,6-Dinitro-2-Methylphenol	200 U	
67-72-1	Hexachloroethane	50 U		86-30-6	N-Nitrosodiphenylamine (1)	55	
98-95-3	Nitrobenzene	50 U		101-55-3	4-Bromophenyl-phenylether	50 U	
78-59-1	Isophorone	50 U		118-74-1	Hexachlorobenzene	50 U	
88-75-5	2-Nitrophenol	50 U		87-86-5	Pentachlorophenol	200 U	Spike
105-67-9	2,4-Dimethylphenol	50 U		85-01-8	Phenanthrene	50 U	
65-85-0	Benzoic Acid	200 U		120-12-7	Anthracene	50 U	
111-91-1	bis(2-Chloroethoxy)Methane	50 U		84-74-2	Di-n-Butylphthalate	77	Spike
120-83-2	2,4-Dichlorophenol	50 U		206-44-0	Fluoranthene	50 U	
120-82-1	1,2,4-Trichlorobenzene	85	Spike	129-00-0	Pyrene	85	Spike
91-20-3	Naphthalene	32J		85-68-7	Butylbenzylphthalate	50 U	
106-47-8	4-Chloroaniline	50 U		91-94-1	3,3'-Dichlorobenzidine	100 U	
87-68-3	Hexachlorobutadiene	50 U		56-55-3	Benzo(a)Anthracene	50 U	
59-50-7	4-Chloro-3-Methylphenol	110	Spike	117-81-7	bis(2-Ethylhexyl)Phthalate	50 U	
91-57-6	2-Methylnaphthalene	50 U		218-01-9	Chrysene	50 U	
77-47-4	Hexachlorocyclopentadiene	50 U		117-84-0	Di-n-Octyl Phthalate	50 U	
88-06-2	2,4,6-Trichlorophenol	50 U		205-99-2	Benzo(b)Fluoranthene	50 U	
95-95-4	2,4,5-Trichlorophenol	200 U		207-08-9	Benzo(k)Fluoranthene	50 U	
91-58-7	2-Chloronaphthalene	50 U		50-32-8	Benzo(a)Pyrene	50 U	
88-74-4	2-Nitroaniline	200 U		193-39-5	Indeno(1,2,3-cd)Pyrene	50 U	
131-11-3	Dimethylphthalate	50 U		53-70-3	Dibenz(a,h)Anthracene	50 U	
208-96-8	Acenaphthylene	50 U		191-24-2	Benzo(g,h,i)Perylene	50 U	
99-09-2	3-Nitroaniline	200 U					

(1)-Cannot be separated from Diphenylamine

Sample #
FD017MS

Organics Analysis Data Sheet
(Page 1

Laboratory Name: Acurex Corporation
Lab Sample ID No: E611-063-SMS
Sample Matrix: Water
Data Release Authorized By: R Scott

Case No: 6538
SD Report No:
Contract No: 68-01-7141
Date Sample Received: 11/25/86

Volatile Compounds
Concentration: LOW
Date Prepared: 12/02/86
Date Analyzed: 12/02/86
Conc. Factor: 1 pH: ---
Percent Moisture (Not Decanted): ---

No Pesticide

CAS Number		ug/L		CAS Number		ug/L	
74-87-3	Chloromethane	10 U		78-87-5	1,2-dichloropropane	5 U	
74-83-9	Bromomethane	10 U		10061-02-6	Trans-1,3-Dichloropropene	5 U	
75-01-4	Vinyl Chloride	10 U		79-01-6	Trichloroethene	51	Spike
75-00-3	Chloroethane	10 U		124-48-1	Dibromochloromethane	5 U	
75-09-2	Methylene Chloride	96		79-00-51	1,1,2-Trichloroethane	5 U	
67-64-1	Acetone	10 U		71-43-2	Benzene	79	Spike
75-15-0	Carbon Disulfide	5 U		10061-01-5	cis-1,3-Dichloropropene	5 U	
75-35-4	1,1-Dichloroethene	26	Spike	110-75-8	2-Chloroethylvinylether	10 U	
75-34-3	1,1-Dichloroethane	5 U		75-25-28	Bromoform	5 U	
156-60-5	Trans-1,2-Dichloroethene	5 U		108-10-1	4-Methyl-2-Pentanone	10 U	
67-66-3	Chloroform	5 U		591-78-6	2-Hexanone	10 U	
107-06-2	1,2-Dichloroethane	5 U		127-18-4	Tetrachloroethene	5 U	
78-93-3	2-Butanone	10 U		79-34-5	1,1,2,2-Tetrachloroethane	5 U	
71-55-6	1,1,1-Trichloroethane	5 U		108-88-3	Toluene	97	Spike
56-23-5	Carbon Tetrachloride	5 U		108-90-7	Chlorobenzene	53	Spike
108-05-4	Vinyl Acetate	10 U		100-41-4	Ethylbenzene	8	
75-27-4	Bromodichloromethane	5 U		100-42-5	Styrene	5 U	
					Total Xylenes	10	

Flags
U Compound was analyzed for but not detected.
J Estimated value. Compound present but at less than the specified detection limit.
C Pesticide confirmed by GC/MS.
B Compound found in blank as well as sample. Possible blank contamination.

6538 29
~~6501305~~

SEMIVOLATILE WATER REPORT

SAMPLE ID: E1162CMB LL BNA WATER BLANK

FILENAME E1162CMB INSTRUMENT ID: FINN 4500

CLIENT EPA ANALYST RW

DATE INJECTED 12/04/86 VERIFIED BY

STANDARD ID. 81204C01 CORR. FACTOR 2.00

SCAN#	LIB#	COMPOUNDS		M/E	AMOUNT	RRT	AREA
588	1	IS#1	1,4-DICHLOROBENZENE-D4	152	80 UG/L	1.000	23768
815	2	IS#2	NAPHTHALENE-D8	136	80 UG/L	1.000	91750
140	3	IS#3	ACENAPHTHENE-D10	164	80 UG/L	1.000	44140
1412	4	IS#4	PHENANTHRENE-D10	188	80 UG/L	1.000	86152
1909	5	IS#5	CHRYSENE-D10	240	80 UG/L	1.000	38543
2157	6	IS#6	PERYLENE-D12	264	80 UG/L	1.000	26785
390	7	SU#1	2-FLUOROPHENOL	112	72 %	0.663	56371
554	8	SU#2	PHENOL-D5	99	67 %	0.942	75075
691	9	SU#3	NITROBENZENE-D5	128	77 %	0.848	15203
1023	10	SU#4	2-FLUOROBIPHENYL	172	74 %	0.897	62499
1289	11	SU#5	2,4,6-TRIBROMOPHENOL	330	74 %	1.131	11286
1722	12	SU#6	P-TERPHENYL-D14	244	102 %	0.902	59343
1270	59	N-NITROSODIPHENYLAMINE	*	169	18 UG/L	0.899	5613
1948	72	BIS(2-ETHYLHEXYL)PHTHALATE		149	59 UG/L	1.020	33656

$$C.F. = \frac{1000 * 2 \text{ FINAL VOL. (MLS)} * / \text{D.F.} * — \text{D.W.F.}}{1000 \text{ INIT VOL. OR WT. (MLS OR GMS)}}$$

SEMIVOLATILE WATER REPORT

SAMPLE ID: E1163MB LL BNA WATER BLANK

FILENAME E1163MB INSTRUMENT ID: FINN 4500

CLIENT EPA ANALYST RW

DATE INJECTED 12/05/86 VERIFIED BY

STANDARD ID. S1205C01 CORR. FACTOR 2.00

SCAN#	LIB#	COMPOUNDS		M/E	AMOUNT	RRT	AREA
590	1	IS#1	1,4-DICHLOROBENZENE-D4	152	80 UG/L	1.000	19649
815	2	IS#2	NAPHTHALENE-D8	136	80 UG/L	1.000	78352
1141	3	IS#3	ACENAPHTHENE-D10	164	80 UG/L	1.000	39504
1412	4	IS#4	PHENANTHRENE-D10	188	80 UG/L	1.000	80308
1909	5	IS#5	CHRYSENE-D10	240	80 UG/L	1.000	27944
2158	6	IS#6	PERYLENE-D12	264	80 UG/L	1.000	24933
393	7	SU#1	2-FLUOROPHENOL	112	71 %	0.666	48338
556	8	SU#2	PHENOL-D5	99	58 %	0.942	55817
692	9	SU#3	NITROBENZENE-D5	128	62 %	0.849	10699
1024	10	SU#4	2-FLUOROBIPHENYL	172	61 %	0.897	46274
1289	11	SU#5	2,4,6-TRIBROMOPHENOL	330	76 %	1.130	9070
1722	12	SU#6	P-TERPHENYL-D14	244	86 %	0.902	34794
1271	59	N-NITROSODIPHENYLAMINE	*	169	17 UG/L	0.900	5132

C.F. = 1000 * $\frac{2}{1000}$ FINAL VOL. (MLS) * $\frac{1}{\text{INIT VOL. OR WT. (MLS OR GMS)}}$ D.F. * $\frac{-}{}$ D.W.F.

VOA WATER REPORT

SAMPLE ID	B1202V01 VOA BLANK		
FILENAME	B1202V01	INSTRUMENT ID:	FINN 1020
CLIENT	EFA	ANALYST	PV
DATE INJECTED	12/02/96 9:12	VERIFIED BY	
STANDARD ID	S1202V02	CORR FACTOR	1.00

SCAN#	LIB#	COMPOUNDS		M/E	AMOUNT	RRT	ARE
151	1	BROMOCHLOROMETHANE (IS1)		128	50 UG/L	1.000	4147
366	2	1,4-DIFLUOROBENZENE (IS2)		114	50 UG/L	1.000	18069
449	3	CHLOROBENZENE-D5 (IS3)		117	50 UG/L	1.000	16240
228	4	1,2-DICHLOROETHANE-D4 (SU1)		65	93 %	1.416	5607
426	5	TOLUENE-D8 (SU2)		98	98 %	0.949	16788
518	6	P-BROMOFLUOROBENZENE (SU3)		95	99 %	1.154	12358
91	11	METHYLENE CHLORIDE		84	3. UG/L	0.565	282
321	27	TRICHLOROETHENE		130	1. UG/L	0.877	159
~~327~~	~~30~~	~~BENZENE~~		~~78~~	~~0 UG/L~~	~~0.893~~	~~126~~
428	37	TOLUENE	*	91	7. UG/L	0.953	2540
485	39	ETHYLBENZENE	*	106	1. UG/L	1.080	113

VOA WATER REPORT

SAMPLE ID	B1201V01 LL VOA WATER BLANK		
FILENAME	B1201V01	INSTRUMENT ID	FINN 1020
CLIENT	EPA	ANALYST	PV
DATE INJECTED	12/01/86 9:24	VERIFIED BY	
STANDARD ID.	S1201V01	CORR FACTOR	1.00

SCAN#	LIB#	COMPOUNDS	M/E	AMOUNT	RRT	ARE
160	1	BROMOCHLOROMETHANE (IS1)	128	50 UG/L	1.000	4339
361	2	1,4-DIFLUOROBENZENE (IS2)	114	50 UG/L	1.000	18583
447	3	CHLOROBENZENE-D5 (IS3)	117	50 UG/L	1.000	16111
222	4	1,2-DICHLOROETHANE-D4 (SU1)	65	90 %	1.387	6400
423	5	TOLUENE-D8 (SU2)	98	100 %	0.946	17071
518	6	P-BROMOFLUOROBENZENE (SU3)	95	103 %	1.159	13536
92	11	METHYLENE CHLORIDE	84	4 UG/L	0.575	324
313	27	TRICHLOROETHENE	130	1 UG/L	0.867	94

GEPS 251

Sample #
B1201V01

Organics Analysis Data Sheet
Page 1

Laboratory Name: Acurex Corporation
Lab Sample ID No: 8611-067-MB
Sample Matrix: Water
Data Release Authorized by: P. Scott

Case No: 6539
QC Report No:
Contract No: 68-01-7142
Date Sample Received: 11/25/86

Volatile Compounds
Concentration: Low
Date Prepared: 12/01/86
Date Analyzed: 12/01/86
Conc. Factor: 1 pH: ---
Percent Moisture (Not Decanted): ---

No Pesticides

CAS Number		ug/L	CAS Number		ug/L
74-87-3	Chloromethane	10 U	78-87-5	1,2-Dichloropropane	5 U
74-83-9	Bromomethane	10 U	10061-02-6	Trans-1,3-Dichloropropene	5 U
75-01-4	Vinyl Chloride	10 U	79-01-6	Trichloroethene	1 J
75-00-3	Chloroethane	10 U	124-48-1	Dibromochloromethane	5 U
75-09-2	Methylene Chloride	4 J	79-00-51	1,1,2-Trichloroethane	5 U
67-64-1	Acetone	10 U	71-43-2	Benzene	5 U
75-15-0	Carbon Disulfide	5 U	10061-01-5	cis-1,3-Dichloropropene	5 U
75-35-4	1,1-Dichloroethene	5 U	110-75-8	2-Chloroethylvinylether	10 U
75-34-3	1,1-Dichloroethane	5 U	75-25-29	Bromoform	5 U
156-60-5	Trans-1,2-Dichloroethene	5 U	108-10-1	4-Methyl-2-Pentanone	10 U
67-66-3	Chloroform	5 U	591-78-6	2-Hexanone	10 U
107-06-2	1,2-Dichloroethane	5 U	127-18-4	Tetrachloroethene	5 U
78-93-3	2-Butanone	10 U	79-34-5	1,1,2,2-Tetrachloroethane	5 U
71-55-6	1,1,1-Trichloroethane	5 U	108-88-3	Toluene	5 U
56-23-5	Carbon Tetrachloride	5 U	108-90-7	Chlorobenzene	5 U
108-05-4	Vinyl Acetate	10 U	100-41-4	Ethylbenzene	5 U
75-27-4	Bromodichloromethane	5 U	100-42-5	Styrene	5 U
				Total Xylenes	5 U

Flags
U Compound was analyzed for but not detected.
J Estimated value. Compound present but at less than the specified detection limit.
C Pesticide confirmed by GC/MS.
B Compound found in blank as well as sample. Possible blank contamination.

6538 200

Sample #
B12024V01

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: Acurex Corporation
Lab Sample ID No: 8611-063-MB2
Sample Matrix: Water
Data Release Authorized by: R. Scott

Case No: 6538
QC Report No:
Contract No: 68-01-7142
Date Sample Received: 12/25/86

Volatile Compounds
Concentration: Low
Date Prepared: 12/02/86
Date Analyzed: 12/02/86
Conc. Factor: 1 gM: ---
Percent Moisture (Not Decanted): ---

CAS Number		ug/L	CAS Number		ug/L
74-87-3	Chloromethane	10 U	78-87-5	1,2-dichloropropane	5 U
74-83-9	Bromomethane	10 U	10061-02-6	Trans-1,3-Dichloropropere	5 U
75-01-4	Vinyl Chloride	10 U	79-01-6	Trichloroethene	1 J
75-00-3	Chloroethane	10 U	124-48-1	Dibromochloromethane	5 U
75-09-2	Methylene Chloride	7 J	79-00-5	1,1,2-Trichloroethane	5 U
67-64-1	Acetone	10 U	71-43-2	Benzene	5 U
75-15-0	Carbon Disulfide	5 U	10061-01-5	cis-1,3-Dichloropropene	5 U
75-35-4	1,1-Dichloroethene	5 U	110-75-8	2-Chloroethylvinylether	10 U
75-34-3	1,1-Dichloroethane	5 U	75-25-2B	Bromoform	5 U
156-60-5	Trans-1,2-Dichloroethene	5 U	108-10-1	4-Methyl-2-Pentanone	10 U
67-66-3	Chloroform	5 U	591-78-6	2-Hexanone	10 U
107-06-2	1,2-Dichloroethane	5 U	127-18-4	Tetrachloroethene	5 U
78-93-3	2-Butanone	10 U	79-34-5	1,1,2,2-Tetrachloroetnane	5 U
71-55-6	1,1,1-Trichloroethane	5 U	108-88-3	Toluene	-
56-23-5	Carbon Tetrachloride	5 U	108-90-7	Chlorobenzene	5 U
108-05-4	Vinyl Acetate	10 U	100-41-4	Ethylbenzene	1 J
75-27-4	Bromodichloromethane	5 U	100-42-5	Styrene	5 U
				Total Xylenes	5 U

Flags
U Compound was analyzed for but not detected.
J Estimated value. Compound present but at less than the specified detection limit.
C Pesticide confirmed by GC/MS.
B Compound found in blank as well as sample. Possible blank contamination.

Laboratory Name: -curex
Case No: e5C8

Sample #
E1162CMB

Organics Analysis Data Sheet
-Page 2)

Semivolatile Compounds

Concentration: Low
Date Extracted: 11/23/86
Date Analyzed: 12/04/86
Conc. Factor: 5%
Percent Moisture (Decanted): ---

SPC Cleanup ___Yes _X_No
Separatory Funnel Extraction ___Yes
Continuous Liquid-Liquid Extraction _X_Yes

CAS Number		ug/L	CAS Number		ug/L
108-95-2	Phenol	10 U	83-32-9	Acenaphthene	10 U
111-44-4	bis(2-Chloroethyl)Ether	10 U	51-28-5	2,4-Dinitrophenol	50 U
95-57-8	2-Chlorophenol	10 U	100-02-7	4-Nitrophenol	50 U
541-73-1	1,3-Dichlorobenzene	10 U	132-64-9	Dibenzofuran	10 U
106-46-7	1,4-Dichlorobenzene	10 U	121-14-2	2,4-Dinitrotoluene	10 U
100-51-6	Benzyl Alcohol	10 U	606-20-2	2,6-Dinitrotoluene	10 U
95-50-1	1,2-Dichlorobenzene	10 U	84-66-2	Diethylphthalate	10 U
95-48-7	2-Methylphenol	10 U	7005-72-3	4-Chlorophenyl-phenylether	10 U
39638-32-9	bis(2 Chloroisopropyl)Ether	10 U	86-73-7	Fluorene	10 U
106-44-5	4-Methylphenol	10 U	100-01-6	4-Nitroaniline	50 U
621-64-7	N-Nitroso-Di-n-Propylamine	10 U	534-52-1	4,6-Dinitro-2-Methylphenol	50 U
67-72-1	Hexachloroethane	10 U	86-30-6	N-Nitrosodiphenylamine (1)	18
98-95-3	Nitrobenzene	10 U	101-55-3	4-Bromophenyl-phenylether	10 U
78-59-1	Isophorone	10 U	118-74-1	Hexachlorobenzene	10 U
88-75-5	2-Nitrophenol	10 U	87-86-5	Pentachlorophenol	50 U
105-67-9	2,4-Dimethylphenol	10 U	85-01-8	Phenanthrene	10 U
65-85-0	Benzoic Acid	50 U	120-12-7	Anthracene	10 U
111-91-1	bis(2-Chloroethoxy)Methane	10 U	84-74-2	Di-n-Butylphthalate	10 U
120-83-2	2,4-Dichlorophenol	10 U	206-44-0	Fluoranthene	10 U
120-82-1	1,2,4-Trichlorobenzene	10 U	129-00-0	Pyrene	10 U
91-20-3	Naphthalene	10 U	85-68-7	Butylbenzylphthalate	10 U
106-47-8	4-Chloroaniline	10 U	91-94-1	3,3'-Dichlorobenzidine	20 U
87-68-3	Hexachlorobutadiene	10 U	56-55-3	Benzo(a)Anthracene	10 U
59-50-7	4-Chloro-3-Methylphenol	10 U	117-81-7	bis(2-Ethylhexyl)Phthalate	59
91-57-6	2-Methylnaphthalene	10 U	218-01-9	Chrysene	10 U
77-47-4	Hexachlorocyclopentadiene	10 U	117-84-0	Di-n-Octyl Phthalate	10 U
88-06-2	2,4,6-Trichlorophenol	10 U	205-99-2	Benzo(b)Fluoranthene	10 U
95-95-4	2,4,5-Trichlorophenol	50 U	207-08-9	Benzo(k)Fluoranthene	10 U
91-58-7	2-Chloronaphthalene	10 U	50-32-8	Benzo(a)Pyrene	10 U
88-74-4	2-Nitroaniline	50 U	193-39-5	Indeno(1,2,3-cd)Pyrene	10 U
131-11-3	Dimethylphthalate	10 U	53-70-3	Dibenz(a,h)Anthracene	10 U
208-96-8	Acenaphthylene	10 U	191-24-2	Benzo(g,h,i)Perylene	10 U
99-09-2	3-Nitroaniline	50 U			

(1)-Cannot be separated from diphenylamine

Laboratory Name: Acurex
Case No: 6538

Sample #
E116CME

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration: Low
Date Extracted: 11/30/86
Date Analyzed: 12/05/86
Conc. Factor: 500
Percent Moisture (Decanted): ---

GPC Cleanup ___Yes _X_No
Separatory Funnel Extraction ___Yes
Continuous Liquid-Liquid Extraction _X_Yes

CAS Number		ug/L	CAS Number		ug/L
108-95-2	Phenol	10 U	83-32-9	Acenaphthene	10 U
111-44-4	bis(2-Chloroethyl)Ether	10 U	51-28-5	2,4-Dinitrophenol	50 U
95-57-8	2-Chlorophenol	10 U	100-02-7	4-Nitrophenol	50 U
541-73-1	1,3-Dichlorobenzene	10 U	132-64-9	Dibenzofuran	10 U
106-46-7	1,4-Dichlorobenzene	10 U	121-14-2	2,4-Dinitrotoluene	10 U
100-51-6	Benzyl Alcohol	10 U	606-20-2	2,6-Dinitrotoluene	10 U
95-50-1	1,2-Dichlorobenzene	10 U	84-66-2	Diethylphthalate	10 U
95-48-7	2-Methylphenol	10 U	7005-72-3	4-Chlorophenyl-phenylether	10 U
39638-32-9	bis(2-Chloroisopropyl)Ether	10 U	86-73-7	Fluorene	10 U
106-44-5	4-Methylphenol	10 U	100-01-6	4-Nitroaniline	50 U
621-64-7	N-Nitroso-Di-n-Propylamine	10 U	534-52-1	4,6-Dinitro-2-Methylphenol	50 U
67-72-1	Hexachloroethane	10 U	86-30-6	N-Nitrosodiphenylamine (1)	17
98-95-3	Nitrobenzene	10 U	101-55-3	4-Bromophenyl-phenylether	10 U
78-59-1	Isophorone	10 U	118-74-1	Hexachlorobenzene	10 U
88-75-5	2-Nitrophenol	10 U	87-86-5	Pentachlorophenol	50 U
105-67-9	2,4-Dimethylphenol	10 U	85-01-8	Phenanthrene	10 U
65-85-0	Benzoic Acid	50 U	120-12-7	Anthracene	10 U
111-91-1	bis(2-Chloroethoxy)Methane	10 U	84-74-2	Di-n-Butylphthalate	10 U
120-83-2	2,4-Dichlorophenol	10 U	206-44-0	Fluoranthene	10 U
120-82-1	1,2,4-Trichlorobenzene	10 U	129-00-0	Pyrene	10 U
91-20-3	Naphthalene	10 U	85-68-7	Butylbenzylphthalate	10 U
106-47-8	4-Chloroaniline	10 U	91-94-1	3,3'-Dichlorobenzidine	20 U
87-68-3	Hexachlorobutadiene	10 U	56-55-3	Benzo(a)Anthracene	10 U
59-50-7	4-Chloro-3-Methylphenol	10 U	117-81-7	bis(2-Ethylhexyl)Phthalate	10 U
91-57-6	2-Methylnaphthalene	10 U	218-01-9	Chrysene	10 U
77-47-4	Hexachlorocyclopentadiene	10 U	117-84-0	Di-n-Octyl Phthalate	10 U
88-06-2	2,4,6-Trichlorophenol	10 U	205-99-2	Benzo(b)Fluoranthene	10 U
95-95-4	2,4,5-Trichlorophenol	50 U	207-08-9	Benzo(k)Fluoranthene	10 U
91-58-7	2-Chloronaphthalene	10 U	50-32-8	Benzo(a)Pyrene	10 U
88-74-4	2-Nitroaniline	50 U	193-39-5	Indeno(1,2,3-cd)Pyrene	10 U
131-11-3	Dimethylphthalate	10 U	53-70-3	Dibenz(a,h)Anthracene	10 U
208-96-8	Acenaphthylene	10 U	191-24-2	Benzo(g,h,i)Perylene	10 U
99-09-2	3-Nitroaniline	50 U			

(1)-Cannot be separated from diphenylamine

ASS LIST
12/02/86 7:12:00 + 2:15
AMPLE: BFB
ONDS. : FINN 1020
NHANCED (S 15B 2N 0T)

DATA: T1202A # 45
CALI: C120286A # 2

BASE M/Z: 95
RIC: 41472.

0329 253

42	0.00	0.00	0.	MINIMA	MIN INTEN:	0.
267			# 0	MAXIMA		
MASS	% RA	% RIC	INTEN.			
42.00?	0.74	0.18	75.			
47.00?	1.21	0.29	122.			
49.00?	2.72	0.66	274.			
50.00?	15.24	3.70	1536.			
51.00?	4.29	1.04	432.			
56.00?	1.18	0.29	119.			
57.00?	4.08	0.99	411.			
58.00?	4.64	1.13	468.			
59.00?	0.87	0.21	88.			
60.00?	0.59	0.14	59.			
61.00?	3.03	0.74	305.			
62.00?	2.43	0.59	245.			
63.00?	2.34	0.57	236.			
67.00?	0.39	0.09	39.			
68.00?	7.57	1.84	763.			
69.00	7.00	1.70	706.			
73.00	4.69	1.14	473.			
74.00	11.85	2.88	1194.			
75.00	37.34	9.08	3764.			
76.00	3.14	0.76	317.			
77.00	0.12	0.03	12.			
78.00	0.33	0.08	33.			
79.00	1.84	0.45	185.			
80.00	0.47	0.11	47.			
81.00	1.09	0.27	110.			
82.00	0.35	0.08	35.			
83.00	0.14	0.03	14.			
85.00	0.77	0.19	78.			
86.00	0.60	0.14	60.			
87.00	5.34	1.30	538.			
88.00	6.37	1.55	642.			
92.00	1.58	0.38	159.			
93.00	3.06	0.74	308.			
94.00	9.63	2.34	971.			
95.00	100.00	24.31	10080.			
96.00	7.11	1.73	717.			
106.00	0.04	0.01	4.			
109.00	0.82	0.20	83.			
110.00	2.28	0.55	230.			
117.00	0.18	0.04	18.			
119.00	0.10	0.02	10.			
141.00	0.24	0.06	24.			
143.00	0.30	0.07	30.			
174.00	73.10	17.77	7368.			
175.00	5.10	1.24	514.			
176.00	70.16	17.05	7072.			
177.00	4.75	1.15	479.			
267.00?	0.08	0.02	8.			

MASS LIST
12/01/86 7:25:00 + 2:24
SAMPLE: BFB
CONDS.: FINN 1020
#45 TO #51 SUMMED - #62 TO #67

DATA: T1201A # 48
CALI: C120186A # 2

BASE M/Z: 95
RIC: 183296.

46 0.00 0.00 0. MINIMA MIN INTEN: 0.
281 # 0 MAXIMA

MASS		% RA	% RIC	INTEN.
46.00?	S	0.10	0.03	47.
47.00?	S	2.13	0.57	1044.
48.00?		0.23	0.06	115.
49.00?		3.10	0.83	1518.
50.00?	S	15.27	4.09	7488.
51.00?	S	4.55	1.22	2232.
56.00?	S	0.21	0.06	104.
60.00?		0.40	0.11	194.
61.00?	S	2.70	0.72	1322.
62.00?		2.89	0.77	1416.
63.00?		2.49	0.67	1222.
64.00?		0.12	0.03	58.
65.00?	S	0.15	0.04	72.
67.00?	S	0.30	0.08	147.
68.00?		7.78	2.08	3812.
69.00	S	6.72	1.80	3292.
70.00	S	0.14	0.04	68.
73.00	S	2.46	0.66	1208.
74.00	S	11.55	3.09	5664.
75.00	S	37.86	10.13	18560.
76.00	S	3.23	0.86	1584.
77.00	S	0.42	0.11	208.
78.00		0.49	0.13	239.
79.00	S	2.70	0.72	1326.
80.00	S	2.30	0.62	1130.
81.00	S	1.63	0.44	798.
84.00	S	0.02	0.00	9.
87.00	S	3.57	0.96	1752.
88.00	S	2.79	0.75	1368.
91.00	S	0.01	0.00	6.
92.00		1.51	0.40	741.
93.00	S	3.14	0.84	1538.
94.00	S	6.22	1.66	3048.
95.00	S	100.00	26.75	49024.
96.00	S	7.10	1.90	3480.
102.00		0.06	0.02	29.
103.00	S	0.16	0.04	78.
105.00	S	0.03	0.01	17.
109.00	S	0.95	0.25	464.
110.00	S	5.67	1.52	2780.
111.00	S	0.38	0.10	187.
117.00	S	0.28	0.07	136.
119.00	S	0.27	0.07	134.
140.00	S	0.92	0.24	449.
141.00	S	0.14	0.04	70.
143.00		0.18	0.05	88.
147.00	S	0.23	0.06	115.
173.00		0.06	0.02	29.
174.00		60.51	16.18	29664.
175.00		4.29	1.15	2104.

MASS		% RA	% RIC	INTEN.
176.00		57.96	15.50	28416.
177.00		3.95	1.06	1934.
207.00	S	1.13	0.30	554.
281.00?		0.06	0.02	30.

MASS LIST
10/14/86 9:39:00 + 2:36
SAMPLE: BFB
CONDS.: 1020
#51 TO #54 SUMMED - #61 TO #64

DATA: T1014A # 52
CALI: S1013V02 # 2

BASE M/Z: 95
RIC: 271872.

6595 25

46 0.00 0.00 0. MINIMA MIN INTEN: 0.
295 # 0 MAXIMA

MASS		% RA	% RIC	INTEN.	MASS		% RA	% RIC	INTEN.
46.00?	S	0.15	0.04	98.	131.00	S	0.11	0.03	74.
47.00?	S	1.60	0.39	1072.	132.00		0.10	0.02	66.
48.00?		0.34	0.08	229.	140.00		0.04	0.01	27.
49.00?	S	3.31	0.81	2212.	141.00	S	0.79	0.19	530.
50.00?	S	17.31	4.25	11568.	143.00		0.40	0.10	269.
51.00?	S	5.00	1.23	3344.	148.00	S	0.11	0.03	74.
52.00?	S	0.05	0.01	32.	150.00	S	0.03	0.01	17.
56.00?	S	0.69	0.17	460.	154.00	S	0.02	0.01	14.
57.00?	S	1.08	0.26	720.	155.00	S	0.02	0.01	14.
60.00?	S	0.82	0.20	548.	157.00		0.04	0.01	25.
61.00?	S	3.63	0.89	2428.	163.00	S	0.05	0.01	35.
62.00?		3.42	0.84	2284.	164.00		0.06	0.01	37.
63.00?	S	2.35	0.58	1568.	167.00	S	0.08	0.02	51.
64.00?	S	0.09	0.02	62.	173.00		0.08	0.02	53.
65.00?	S	0.14	0.03	93.	174.00	S	70.69	17.37	47232.
67.00?	S	0.25	0.06	168.	175.00		5.05	1.24	3376.
68.00?	S	8.64	2.12	5776.	176.00	S	69.83	17.16	46656.
69.00	S	8.20	2.02	5480.	177.00	S	4.70	1.15	3140.
70.00	S	0.54	0.13	358.	179.00	S	0.13	0.03	84.
72.00	S	0.36	0.09	240.	185.00		0.04	0.01	25.
73.00	S	4.21	1.04	2816.	187.00	S	0.06	0.01	39.
74.00	S	13.72	3.37	9168.	191.00	S	0.28	0.07	187.
75.00	S	42.58	10.46	28448.	203.00		0.05	0.01	33.
76.00	S	3.79	0.93	2532.	208.00	S	0.07	0.02	49
77.00	S	0.37	0.09	247.	237.00	S	0.04	0.01	28.
78.00	S	0.34	0.08	224.	251.00	S	0.13	0.03	89.
79.00	S	1.68	0.41	1122.	252.00	S	0.01	0.00	5.
80.00	S	0.24	0.06	161.	267.00?	S	0.00	0.00	2.
81.00	S	1.47	0.36	979.	295.00?	S	0.14	0.03	95.
82.00	S	0.12	0.03	82.					
87.00	S	3.69	0.91	2464.					
88.00	S	3.47	0.85	2320.					
89.00	S	0.09	0.02	60.					
90.00		0.04	0.01	27.					
92.00	S	2.35	0.58	1570.					
93.00	S	3.59	0.88	2396.					
94.00	S	7.26	1.78	4848.					
95.00	S	100.00	24.58	66816.					
96.00	S	6.96	1.71	4648.					
104.00	S	0.13	0.03	90.					
106.00	S	0.01	0.00	8.					
107.00	S	0.28	0.07	188.					
110.00		0.09	0.02	57.					
115.00	S	0.07	0.02	49.					
117.00	S	0.25	0.06	168.					
119.00	S	0.46	0.11	306.					
121.00	S	0.04	0.01	27.					
125.00	S	0.11	0.03	71.					
128.00		0.10	0.02	65.					
130.00		0.12	0.03	78.					

6529 25

Mass List
12/08/86 9:50:00 + 9:36
Sample: DFTPP
Cmnds.: FINN 4500
#575 to #577 summed

Data: D120886A # 576
Cali: C120886A # 2

Base m/z: 198
RIC: 89728.

49 0.00 0.00 0. Minima Min Inten: 66.
444 # 0 Maxima

Mass	% RA	% RIC	Inten.	Mass	% RA	% RIC	Inten.
49.00?	0.82	0.12	107.	156.00	1.43	0.21	187.
50.00	8.49	1.24	1110.	161.00	0.82	0.12	107.
51.00	41.55	6.05	5432.	167.00	3.20	0.47	418.
52.00	2.08	0.30	272.	168.00	1.26	0.18	165.
56.00	1.25	0.18	164.	175.00	1.16	0.17	152.
57.00	3.56	0.52	465.	179.00	2.13	0.31	278.
63.00	1.60	0.23	209.	180.00	1.58	0.23	207.
65.00	0.96	0.14	126.	181.00	0.60	0.09	78.
68.00	0.55	0.08	72.	185.00	0.77	0.11	101.
69.00	47.61	6.94	6224.	186.00	9.87	1.44	1290.
74.00	3.20	0.47	418.	187.00	2.69	0.39	351.
75.00	6.21	0.90	812.	192.00	0.57	0.08	74.
76.00	2.07	0.30	271.	193.00	0.57	0.08	75.
77.00	50.24	7.32	6568.	196.00	2.82	0.41	368.
78.00	3.24	0.47	423.	198.00	100.00	14.57	13072.
79.00	2.16	0.32	283.	199.00	6.83	1.00	893.
80.00	1.94	0.28	253.	204.00	2.03	0.30	265.
81.00	2.85	0.41	372.	205.00	3.76	0.55	491.
82.00	0.84	0.12	110.	206.00	17.96	2.62	2348.
83.00	1.07	0.16	140.	207.00	2.69	0.39	352.
84.00	0.73	0.11	96.	211.00	0.72	0.10	94.
85.00	0.63	0.09	82.	217.00	4.02	0.59	525.
86.00	0.82	0.12	107.	221.00	5.68	0.83	743.
91.00	0.74	0.11	97.	223.00	0.72	0.10	94.
92.00	0.70	0.10	91.	224.00	9.18	1.34	1200.
93.00	3.11	0.45	407.	225.00	2.33	0.34	305.
98.00	2.17	0.32	284.	227.00	3.02	0.44	395.
99.00	2.25	0.33	294.	229.00	0.57	0.08	75.
101.00	1.58	0.23	206.	244.00	8.00	1.17	1046.
103.00	0.52	0.08	68.	245.00	0.90	0.13	118.
104.00	0.76	0.11	100.	246.00	0.93	0.13	121.
105.00	0.82	0.12	107.	255.00	36.96	5.39	4832.
107.00	10.86	1.58	1420.	256.00	5.39	0.79	705.
108.00	1.76	0.26	230.	258.00	1.47	0.21	192.
110.00	28.00	4.08	3660.	273.00	0.89	0.13	116.
111.00	3.55	0.52	464.	274.00	3.37	0.49	440.
117.00	4.62	0.67	604.	275.00	19.37	2.82	2532.
122.00	0.59	0.09	77.	276.00	2.58	0.38	337.
123.00	0.95	0.14	124.	277.00	0.96	0.14	125.
127.00	43.39	6.32	5672.	296.00	3.34	0.49	436.
128.00	3.08	0.45	403.	323.00	1.45	0.21	190.
129.00	14.24	2.08	1862.	334.00	0.67	0.10	88.
130.00	1.18	0.17	154.	365.00	1.51	0.22	197.
135.00	1.16	0.17	152.	372.00	0.58	0.08	76.
137.00	0.68	0.10	89.	423.00	2.82	0.41	369.
141.00	1.48	0.22	193.	424.00	0.60	0.09	78.
142.00	0.65	0.09	85.	441.00?	7.60	1.11	993.
147.00	0.84	0.12	110.	442.00?	52.82	7.69	6904.
148.00	1.36	0.20	178.	443.00?	9.88	1.44	1292.
155.00	0.94	0.14	123.	444.00?	1.04	0.15	136.

Mass List
12/05/86 9:24:00 + 9:35
Sample: DFTPP
Conds.: FINN 4500
#574 to #576 summed

Data: D120586A # 575
Cali: C120586A # 2

Base m/z: 198
RIC: 85504.

6539 25

50 0.00 0.00 0. Minima Min Inten: 0.
443 # 0 Maxima

Mass	% RA	% RIC	Inten.
50.00	9.21	1.43	1222.
51.00	44.09	6.84	5848.
52.00	1.64	0.25	217.
56.00	0.89	0.14	118.
57.00	3.52	0.55	467.
63.00	1.26	0.20	167.
69.00	52.59	8.16	6976.
74.00	3.54	0.55	470.
75.00	7.04	1.09	934.
76.00	1.52	0.24	201.
77.00	55.37	8.59	7344.
78.00	3.81	0.59	506.
79.00	2.44	0.38	323.
80.00	2.22	0.35	295.
81.00	3.26	0.51	432.
93.00	3.56	0.55	472.
98.00	2.47	0.38	327.
99.00	2.40	0.37	318.
101.00	1.06	0.16	141.
107.00	11.05	1.71	1466.
108.00	1.98	0.31	263.
110.00	30.10	4.67	3992.
111.00	3.91	0.61	518.
117.00	4.95	0.77	656.
127.00	45.66	7.08	6056.
128.00	3.25	0.50	431.
129.00	14.67	2.28	1946.
141.00	1.69	0.26	224.
156.00	0.79	0.12	105.
167.00	3.23	0.50	429.
179.00	2.28	0.35	302.
180.00	1.73	0.27	229.
186.00	9.27	1.44	1230.
187.00	2.62	0.41	347.
196.00	2.81	0.44	373.
198.00	100.00	15.51	13264.
199.00	6.41	0.99	850.
204.00	2.10	0.33	279.
205.00	3.50	0.54	464.
206.00	16.92	2.62	2244.
207.00	2.49	0.39	330.
211.00	0.80	0.12	106.
217.00	3.75	0.58	497.
221.00	4.95	0.77	656.
224.00	8.26	1.28	1096.
225.00	1.50	0.23	199.
227.00	2.74	0.42	363.
244.00	7.45	1.16	988.
246.00	0.76	0.12	101.
255.00	34.20	5.31	4536.

Mass	% RA	% RIC	Inten.
256.00	4.79	0.74	635.
258.00	1.01	0.16	134.
273.00	0.76	0.12	101.
274.00	2.23	0.35	296.
275.00	18.21	2.83	2416.
276.00	1.73	0.27	230.
277.00	0.78	0.12	103.
296.00	2.50	0.39	331.
323.00	1.08	0.17	143.
365.00	1.12	0.17	149.
423.00	2.17	0.34	288.
441.00?	7.28	1.13	966.
442.00?	53.26	8.26	7064.
443.00?	10.07	1.56	1336.

Mass List
10/16/86 6:51:00 + 9:57
Sample: DFTPP
Conds.: FINN 4500
#597 to #598 summed

Data: D101686A # 597
Cali: C101686A # 2

Base m/z: 198
RIC: 92928.

49 0.00 0.00 0. Minima Min Inten: 67.
444 # 0 Maxima

Mass	% RA	% RIC	Inten.	Mass	% RA	% RIC	Inten.
49.00?	0.61	0.09	85.	175.00	1.21	0.18	169.
50.00	9.03	1.36	1262.	176.00	0.52	0.08	72.
51.00	42.44	6.38	5928.	179.00	2.02	0.30	282.
52.00	2.28	0.34	319.	180.00	1.62	0.24	226.
56.00	1.17	0.18	164.	181.00	0.68	0.10	95.
57.00	3.39	0.51	473.	185.00	0.83	0.12	116.
63.00	1.48	0.22	207.	186.00	9.28	1.39	1296.
65.00	1.16	0.17	162.	187.00	2.40	0.36	335.
69.00	47.48	7.14	6632.	192.00	0.84	0.13	117.
74.00	3.19	0.48	445.	193.00	0.59	0.09	82.
75.00	6.01	0.90	840.	196.00	2.26	0.34	316.
76.00	1.95	0.29	273.	198.00	100.00	15.03	13968.
77.00	52.52	7.89	7336.	199.00	6.89	1.04	963.
78.00	3.52	0.53	491.	201.00	0.49	0.07	68.
79.00	2.06	0.31	288.	204.00	2.05	0.31	286.
80.00	1.91	0.29	267.	205.00	3.59	0.54	501.
81.00	2.71	0.41	379.	206.00	17.96	2.70	2508.
82.00	0.76	0.11	106.	207.00	2.51	0.38	350.
83.00	1.05	0.16	147.	211.00	0.72	0.11	101.
86.00	0.89	0.13	124.	217.00	3.97	0.60	554.
91.00	0.67	0.10	93.	218.00	0.50	0.08	70.
92.00	0.54	0.08	76.	221.00	5.63	0.85	786.
93.00	3.07	0.46	429.	223.00	0.82	0.12	115.
98.00	2.17	0.33	303.	224.00	8.69	1.31	1214.
99.00	2.10	0.32	294.	225.00	2.09	0.31	292.
101.00	1.47	0.22	206.	227.00	2.74	0.41	383.
104.00	0.67	0.10	94.	229.00	0.57	0.09	80.
105.00	0.77	0.12	107.	244.00	7.50	1.13	1048.
107.00	10.90	1.64	1522.	245.00	0.97	0.15	135.
108.00	1.78	0.27	248.	246.00	0.92	0.14	129.
110.00	26.69	4.01	3728.	255.00	35.68	5.36	4984.
111.00	3.42	0.51	478.	256.00	5.20	0.78	727.
117.00	4.53	0.68	633.	258.00	1.38	0.21	193.
123.00	0.97	0.15	136.	273.00	1.05	0.16	147.
127.00	45.30	6.81	6328.	274.00	2.79	0.42	390.
128.00	3.39	0.51	474.	275.00	18.76	2.82	2620.
129.00	13.63	2.05	1904.	276.00	2.23	0.34	312.
130.00	1.17	0.18	164.	277.00	1.12	0.17	156.
135.00	1.20	0.18	168.	296.00	3.21	0.48	448.
137.00	0.52	0.08	72.	303.00	0.49	0.07	69.
141.00	1.46	0.22	204.	323.00	1.40	0.21	196.
142.00	0.82	0.12	115.	334.00	0.72	0.11	101.
147.00	0.67	0.10	93.	365.00	1.38	0.21	193.
148.00	1.36	0.20	190.	372.00	0.69	0.10	96.
155.00	0.66	0.10	92.	423.00	2.22	0.33	310.
156.00	1.45	0.22	202.	441.00?	5.53	0.83	772.
161.00	0.66	0.10	92.	442.00?	41.58	6.25	5808.
167.00	3.13	0.47	437.	443.00?	7.90	1.19	1104.
168.00	1.30	0.20	182.	444.00?	0.74	0.11	103.
174.00	0.51	0.08	71.				

STANDARD REPORT

SAMPLE ID. 50N0 SV STD

FILENAME S1208C01 PROCESSED 12/08/86

CLIENT - ANALYST RW

DATE INJECTED 12/08/86 10:20:00 VERIFIED BY

003100

CAS#	COMPOUND8		SCAN#	AMOUNT	AREA	RRT	RF
IS#1	1,4-DICHLOROBENZENE-D4		572	40	32431	1.000	0.999
IS#2	NAPHTHALENE-D8		810	40	91144	1.000	0.999
IS#3	ACENAPHTHENE-D10		1139	40	40602	1.000	0.999
IS#4	PHENANTHRENE-D10		1411	40	67360	1.000	0.999
IS#5	CHRYSENE-D10		1909	40	39549	1.000	0.999
IS#6	PERYLENE-D12		2158	40	29649	1.000	0.999
SU#1	2-FLUOROPHENOL		356	100	72510	0.622	1.293
SU#2	PHENOL-D5		538	100	103579	0.941	1.847
SU#3	NITROBENZENE-D5		684	100	38705	0.844	0.170
SU#4	2-FLUOROBIPHENYL		1023	100	157912	0.898	1.556
SU#5	2,4,6-TRIBROMOPHENOL		1289	100	13857	1.132	0.137
SU#6	P-TERPHENYL-D14		1722	100	111889	0.902	1.132
	N-NITROSODIMETHYLAMINE						
	PHENOL	*	540	50	57910	0.944	2.065
	ANILINE		542	50	53105	0.948	1.894
	BIS(2-CHLOROETHYL)ETHER		542	50	53105	0.948	1.894
	2-CHLOROPHENOL		543	50	40145	0.949	1.432
	1,3-DICHLOROBENZENE		565	50	41990	0.988	1.498
	1,4-DICHLOROBENZENE	*	575	50	48129	1.005	1.717
	BENZYL ALCOHOL		646	50	37497	1.129	1.337
	1,2-DICHLOROBENZENE		608	50	43477	1.063	1.551
	2-METHYLPHENOL		646	50	37497	1.129	1.337
	BIS(2-CHLORDISOPROPYL)ETHER		643	50	11479	1.124	0.409
	4-METHYLPHENOL		676	50	35671	1.182	1.272
	N-NITROSO-DI-N-PROPYLAMINE**		672	50	6851	1.175	0.244*
	HEXACHLOROETHANE		664	50	16506	1.161	0.589
	NITROBENZENE		687	50	20333	0.848	0.178
	ISOPHORONE		734	50	13570	0.906	0.119
	2-NITROPHENOL	*	746	50	17634	0.921	0.155
	2,4-DIMETHYLPHENOL		771	50	33229	0.952	0.292
	BENZOIC ACID		825	80	19083	1.019	0.105
	BIS(2-CHLOROETHOXY)METHANE		785	50	54474	0.969	0.478
	2,4-DICHLOROPHENOL		795	50	26477	0.981	0.232
	1,2,4-TRICHLOROBENZENE		805	50	31396	0.994	0.276
	NAPHTHALENE		814	50	119005	1.005	1.045
	4-CHLOROANILINE		845	50	5029	1.043	0.044
	HEXACHLOROBUTADIENE	*	854	50	15334	1.054	0.135
	4-CHLORO-3-METHYLPHENOL	*	938	50	32065	1.158	0.281
	2-METHYLNAPHTHALENE		944	50	64026	1.165	0.562
	HEXACHLOROCYCLOPENTADIENE	**	989	50	11597	0.868	0.229*
	2,4,6-TRICHLOROPHENOL	*	1008	50	18761	0.885	0.370

STANDARD REPORT PAGE #2 FOR DATAFILE: S1208C01

P#	CAS#	COMPOUNDS		SCAN#	AMOUNT	AREA	RRT	RF
		2,4,5-TRICHLOROPHENOL		1015	80	30888	0.891	0.380
		2-CHLORONAPHTHALENE		1033	50	65751	0.907	1.296
		2-NITROANILINE		1066	80	34852	0.936	0.429
		DIMETHYL PHTHALATE		1113	50	69930	0.977	1.378
		ACENAPHTHYLENE		1109	50	101910	0.974	2.008
		3-NITROANILINE		1151	80	1698	1.011	0.021
		ACENAPHTHENE	*	1148	50	65176	1.009	1.284
		2,4-DINITROPHENOL	**	1163	80	7084	1.021	0.087*
		4-NITROPHENOL	**	1192	80	4889	1.047	0.082*
		DIBENZOFURAN		1176	50	88263	1.032	1.739
		2,4-DINITROTOLUENE		1192	50	20377	1.047	0.401
		2,6-DINITROTOLUENE		1121	50	16065	0.984	0.317
		DIETHYL PHTHALATE		1247	50	72282	1.095	1.424
		4-CHLOROPHENYL-PHENYLETHER		1247	50	31220	1.095	0.615
		FLUORENE		1240	50	74044	1.089	1.459
		4-NITROANILINE		1277	80	4596	1.121	0.057
		4,6-DINITRO-2-METHYLPHENOL		1267	80	10056	0.898	0.075
		N-NITROSODIPHENYLAMINE	*	1272	50	26844	0.901	0.319
		4-BROMOPHENYL-PHENYLETHER		1335	50	15817	0.946	0.188
		HEXACHLOROBENZENE		1357	50	17381	0.962	0.206
		PENTACHLOROPHENOL	*	1395	80	15320	0.989	0.114
		PHENANTHRENE		1416	50	95134	1.004	1.130
		ANTHRACENE		1425	50	87794	1.010	1.043
		DI-N-BUTYLPHTHALATE		1552	50	122162	1.100	1.451
		FLUORANTHENE	*	1638	50	94282	1.161	1.120
		BENZIDINE						
		PYRENE		1678	50	93130	0.879	1.884
		BUTYLBENZYLPHTHALATE		1828	50	44070	0.958	0.891
		3,3'-DICHLOROBENZIDINE		1916	50	1217	1.004	0.025
		BENZO(A)ANTHRACENE		1906	50	65514	0.998	1.325
		BIS(2-ETHYLHEXYL)PHTHALATE		1948	50	58717	1.020	1.188
		CHRYSENE		1914	50	60199	1.003	1.218
		DI-N-OCTYL PHTHALATE	*	2057	50	92500	0.953	2.496
		BENZO(B)FLUORANTHENE		2098	50	47404	0.972	1.279
		BENZO(K)FLUORANTHENE		2102	50	48293	0.974	1.303
		BENZO(A)PYRENE	*	2149	50	40388	0.996	1.090
		INDENO(1,2,3-CD)PYRENE		2348	50	43656	1.088	1.178
		DIBENZO(A,H)ANTHRACENE		2353	50	34064	1.090	0.919
		BENZO(GHI)PERYLENE		2401	50	35573	1.113	0.960

003101

003101

STANDARD REPORT

SAMPLE ID. 50NG BV STD

FILENAME 81205C01

CLIENT -

DATE INJECTED 12/05/86 9:50:00

PROCESSED 12/05/86

ANALYST RW

VERIFIED BY

003102

CAS#	COMPOUNDS		SCAN#	AMOUNT	AREA	RRT	RF
IS#1	1,4-DICHLOROBENZENE-D4		566	40	23056	1.000	0.999
IS#2	NAPHTHALENE-D8		809	40	90165	1.000	0.999
IS#3	ACENAPHTHENE-D10		1140	40	38849	1.000	0.999
IS#4	PHENANTHRENE-D10		1413	40	65309	1.000	0.999
IS#5	CHRYSENE-D10		1911	40	37565	1.000	0.999
IS#6	PERYLENE-D12		2160	40	29744	1.000	0.999
SU#1	2-FLUOROPHENOL		337	100	79383	0.595	1.377
SU#2	PHENOL-D5		530	100	112575	0.936	1.953
SU#3	NITROBENZENE-D5		680	100	40010	0.841	0.177
SU#4	2-FLUOROBIPHENYL		1024	100	148159	0.898	1.525
SU#5	2,4,6-TRIBROMOPHENOL		1290	100	11734	1.132	0.121
SU#6	P-TERPHENYL-D14		1724	100	109148	0.902	1.162
	N-NITROSODIMETHYLAMINE						
	PHENOL	*					
	ANILINE		532	50	63797	0.940	2.214
	BIS(2-CHLOROETHYL)ETHER		535	50	57784	0.945	2.005
	2-CHLOROPHENOL		535	50	57784	0.945	2.005
	1,3-DICHLOROBENZENE		535	50	42981	0.945	1.491
	1,4-DICHLOROBENZENE	*	558	50	43877	0.986	1.522
	BENZYL ALCOHOL		569	50	51096	1.005	1.773
	1,2-DICHLOROBENZENE		641	50	39565	1.133	1.373
	2-METHYLPHENOL		603	50	45555	1.065	1.581
	BIS(2-CHLOROISOPROPYL)ETHER		641	50	39565	1.133	1.373
	4-METHYLPHENOL		638	50	12097	1.127	0.420
	N-NITROSO-DI-N-PROPYLAMINE**		672	50	38533	1.187	1.337
	HEXACHLOROETHANE		668	50	7020	1.180	0.244*
	NITROBENZENE		660	50	16987	1.166	0.589
	ISOPHORONE		684	50	21683	0.845	0.192
	2-NITROPHENOL	*	732	50	13781	0.905	0.122
	2,4-DIMETHYLPHENOL		744	50	17848	0.920	0.158
	BENZOIC ACID		770	50	33812	0.952	0.300
	BIS(2-CHLOROETHOXY)METHANE		825	80	18646	1.020	0.103
	2,4-DICHLOROPHENOL		784	50	56404	0.969	0.500
	1,2,4-TRICHLOROBENZENE		794	50	26971	0.981	0.239
	NAPHTHALENE		804	50	30228	0.994	0.268
	4-CHLOROANILINE		813	50	120043	1.005	1.065
	HEXACHLOROBUTADIENE	*	846	50	3949	1.046	0.035
	4-CHLORO-3-METHYLPHENOL	*	854	50	14090	1.056	0.125
	2-METHYLNAPHTHALENE		938	50	31770	1.159	0.282
	HEXACHLOROCYCLOPENTADIENE	**	944	50	63496	1.167	0.563
	2,4,6-TRICHLOROPHENOL	*	990	50	10569	0.868	0.218*
			1008	50	17411	0.884	0.359

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PP#	CAS#	COMPOUNDS	SCAN#	AMOUNT	AREA	RRT	RF
		2,4,5-TRICHLOROPHENOL	1016	80	28383	0.891	0.365
		2-CHLORONAPHTHALENE	1034	50	62865	0.907	1.295
		2-NITROANILINE	1066	80	30290	0.935	0.390
		DIMETHYL PHTHALATE	1113	80	67418	0.976	1.388
		ACENAPHTHYLENE	1110	50	100071	0.974	2.061
		3-NITROANILINE	1158	80	162	1.011	0.001
		ACENAPHTHENE	1147	50	62967	1.006	1.297
	*	2,4-DINITROPHENOL	1164	80	6392	1.021	0.082*
	**	4-NITROPHENOL	1193	80	6108	1.046	0.079*
	**	DIBENZOFURAN	1177	50	84199	1.032	1.734
		2,4-DINITROTOLUENE	1193	50	18826	1.046	0.388
		2,6-DINITROTOLUENE	1122	50	15218	0.984	0.313
		DIETHYL PHTHALATE	1248	50	70001	1.095	1.441
		4-CHLOROPHENYL-PHENYLETHER	1248	50	29489	1.095	0.607
		FLUORENE	1241	50	71464	1.089	1.472
		4-NITROANILINE	1278	80	6082	1.121	0.078
		4,6-DINITRO-2-METHYLPHENOL	1268	80	9164	0.897	0.070
	*	N-NITROSODIPHENYLAMINE	1273	50	24260	0.901	0.297
		4-BROMOPHENYL-PHENYLETHER	1337	50	14183	0.946	0.174
		HEXACHLOROBENZENE	1359	50	15320	0.962	0.188
	*	PENTACHLOROPHENOL	1397	80	13450	0.989	0.103
		PHENANTHRENE	1418	50	93347	1.004	1.143
		ANTHRACENE	1426	50	83699	1.009	1.025
		DI-N-BUTYLPHTHALATE	1553	50	116206	1.099	1.423
	*	FLUORANTHENE	1640	50	93182	1.161	1.141
		BENZIDINE					
		PYRENE	1680	50	92498	0.879	1.970
		BUTYLBENZYLPHTHALATE	1830	50	43104	0.958	0.918
		3,3'-DICHLOROBENZIDINE	1917	50	1385	1.003	0.029
		BENZO(A)ANTHRACENE	1908	50	62416	0.998	1.329
		BIS(2-ETHYLHEXYL)PHTHALATE	1950	50	59893	1.020	1.276
		CHRYSENE	1916	50	57733	1.003	1.230
	*	DI-N-OCTYL PHTHALATE	2059	50	96481	0.953	2.595
		BENZO(B)FLUORANTHENE	2100	50	54561	0.972	1.467
		BENZO(K)FLUORANTHENE	2104	50	41742	0.974	1.123
	*	BENZO(A)PYRENE	2151	50	39827	0.996	1.071
		INDENO(1,2,3-CD)PYRENE	2351	50	45049	1.088	1.212
		DIBENZO(A,H)ANTHRACENE	2357	50	35290	1.091	0.949
		BENZO(GHI)PERYLENE	2405	50	36552	1.113	0.983

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STANDARD REPORT

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SAMPLE ID. 160NG SV STD

FILENAME S1016C01 PROCESSED 10/17/86

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003104

CAS#	COMPOUNDS	SCAN#	AMOUNT	AREA	RRT	RF
IS#1	1,4-DICHLOROBENZENE-D4	610	40	23801	1.000	0.999
IS#2	NAPHTHALENE-D8	844	40	98935	1.000	0.999
IS#3	ACENAPHTHENE-D10	1173	40	47334	1.000	0.999
IS#4	PHENANTHRENE-D10	1446	40	71215	1.000	0.999
IS#5	CHRYSENE-D10	1944	40	32840	1.000	0.999
IS#6	PERYLENE-D12	2193	40	31337	1.000	0.999
SU#1	2-FLUOROPHENOL	399	100	87268	0.581	1.467
SU#2	PHENOL-D5	574	100	116217	0.926	1.953
SU#3	NITROBENZENE-D5	719	100	44197	0.840	0.179
SU#4	2-FLUOROBIPHENYL	1055	100	163470	0.899	1.381
SU#5	2,4,6-TRIBROMOPHENOL	1321	100	19187	1.128	0.162
SU#6	P-TERPHENYL-D14	1754	100	115367	0.903	1.405
	NITROSODIMETHYLAMINE					
	PHENOL *	576	160	190380	0.930	1.999
	ANILINE	580	160	161112	0.942	1.692
	BIS(2-CHLOROETHYL)ETHER	580	160	166644	0.942	1.750
	2-CHLOROPHENOL	581	160	134614	0.942	1.414
	1,3-DICHLOROBENZENE	603	160	144782	0.986	1.521
	1,4-DICHLOROBENZENE *	613	160	159316	1.005	1.673
	BENZYL ALCOHOL	653	160	91643	1.070	0.963
	1,2-DICHLOROBENZENE	645	160	150954	1.067	1.586
	2-METHYLPHENOL	678	160	135408	1.127	1.422
	BIS(2-CHLOROISOPROPYL)ETHER	678	160	40286	1.127	0.423
	4-METHYLPHENOL	711	160	149705	1.182	1.572
	N-NITROSO-DI-N-PROPYLAMINE**	714	160	28065	1.180	0.295
	HEXACHLOROETHANE	700	160	56252	1.170	0.591
	NITROBENZENE	723	160	73113	0.844	0.185
	ISOPHORONE	775	160	46704	0.904	0.118
	2-NITROPHENOL *	781	160	79324	0.918	0.200
	2,4-DIMETHYLPHENOL	804	160	133641	0.947	0.338
	BENZOIC ACID	860	160	89356	0.999	0.226
	BIS(2-CHLOROETHOXY)METHANE	819	160	184355	0.968	0.466
	2,4-DICHLOROPHENOL	829	160	109048	0.978	0.276
	1,2,4-TRICHLOROBENZENE	839	160	108887	0.993	0.275
	NAPHTHALENE	848	160	370236	1.004	0.936
	4-CHLOROANILINE	868	160	41052	1.029	0.104
	HEXACHLOROBUTADIENE *	886	160	52617	1.054	0.133
	4-CHLORO-3-METHYLPHENOL *	967	160	108439	1.152	0.274
	2-METHYLNAPHTHALENE	977	160	205601	1.164	0.520
	HEXACHLOROCYCLOPENTADIENE **	1021	160	54696	0.870	0.289
	2,4,6-TRICHLOROPHENOL *	1040	160	103598	0.884	0.547

PP#	CAS#	COMPOUNDS	SCAN#	AMOUNT	AREA	RRT	RF
		2,4,5-TRICHLOROPHENOL	1046	160	45747	0.890	0.242
		2-CHLORONAPHTHALENE	1066	160	229316	0.908	1.211
		2-NITROANILINE	1098	160	89919	0.933	0.475
		IMETHYL PHTHALATE	1148	160	155101	0.976	0.819
		ENAPHTHYLENE	1143	160	339778	0.974	1.795
		NITROANILINE	1174	160	24381	1.002	0.129
		ENAPHTHENE *	1180	160	238042	1.006	1.257
		,4-DINITROPHENOL **	1195	160	26346	1.017	0.139
		4-NITROPHENOL **	1220	160	17769	1.038	0.094
		DIBENZOFURAN	1210	160	311597	1.032	1.646
		2,4-DINITROTOLUENE	1226	160	67431	1.044	0.356
		2,6-DINITROTOLUENE	1155	160	58861	0.983	0.311
		DIETHYL PHTHALATE	1280	160	227021	1.092	1.199
		4-CHLOROPHENYL-PHENYLETHER	1281	160	112784	1.092	0.596
		LUORENE	1274	160	257939	1.086	1.362
		NITROANILINE	1300	160	12983	1.106	0.069
		,6-DINITRO-2-METHYLPHENOL	1300	160	29791	0.897	0.105
		N-NITROSODIPHENYLAMINE *	1305	160	119735	0.902	0.420
		4-BROMOPHENYL-PHENYLETHER	1369	160	59536	0.947	0.209
		HEXACHLOROBENZENE	1392	160	63868	0.963	0.224
		PENTACHLOROPHENOL *	1428	160	28528	0.988	0.100
		PHENANTHRENE	1451	160	331231	1.003	1.163
		ANTHRACENE	1460	160	292656	1.009	1.027
		I-N-BUTYLPHTHALATE	1584	160	365008	1.097	1.281
		LUORANTHENE *	1674	160	286391	1.158	1.005
		BENZIDINE					
		PYRENE	1714	160	277767	0.881	2.115
		BUTYLBENZYLPHTHALATE	1862	160	138425	0.957	1.054
		3,3'-DICHLOROBENZIDINE	1944	160	12241	1.000	0.093
		BENZO(A)ANTHRACENE	1942	160	240288	0.998	1.829
		IS(2-ETHYLHEXYL)PHTHALATE	1981	160	182399	1.019	1.389
		HRYSENE	1951	160	147833	1.003	1.125
		DI-N-OCTYL PHTHALATE *	2092	160	286330	0.953	2.284
		BENZO(B)FLUORANTHENE	2135	160	159503	0.973	1.272
		BENZO(K)FLUORANTHENE	2140	160	178592	0.975	1.425
		BENZO(A)PYRENE *	2186	160	139897	0.996	1.116
		INDENO(1,2,3-CD)PYRENE	2399	160	144381	1.094	1.152
		DIBENZO(A,H)ANTHRACENE	2411	160	107908	1.097	0.861
		BENZO(GHI)PERYLENE	2464	160	106529	1.121	0.850

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SAMPLE ID. 120NG SV STD

FILENAME S1016C02 PROCESSED 10/17/86

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CAS#	COMPOUNDS	SCAN#	AMOUNT	AREA	RRT	RF
SU#1	1,4-DICHLOROBENZENE-D4	613	40	27294	1.000	0.999
IS#2	NAPHTHALENE-D8	846	40	107507	1.000	0.999
IS#3	ACENAPHTHENE-D10	1174	40	49555	1.000	0.999
IS#4	PHENANTHRENE-D10	1448	40	78805	1.000	0.999
IS#5	CHRYSENE-D10	1947	40	36988	1.000	0.999
IS#6	PERYLENE-D12	2197	40	30782	1.000	0.999
SU#1	2-FLUOROPHENOL	407	100	100094	0.581	1.467
SU#2	PHENOL-D5	577	100	136514	0.926	2.001
SU#3	NITROBENZENE-D5	721	100	47621	0.840	0.177
SU#4	2-FLUOROBIPHENYL	1056	100	173189	0.899	1.398
SU#5	2,4,6-TRIBROMOPHENOL	1323	100	20812	1.128	0.168
SU#6	P-TERPHENYL-D14	1758	100	126015	0.903	1.363
62-75-9	N-NITROSODIMETHYLAMINE	580	120	173646	0.930	2.121
108-95-2	PHENOL *	583	120	138972	0.942	1.697
62-53-3	ANILINE	583	120	144241	0.942	1.762
111-44-4	BIS(2-CHLOROETHYL)ETHER	583	120	117454	0.942	1.434
95-57-8	2-CHLOROPHENOL	607	120	131573	0.986	1.607
541-73-1	1,3-DICHLOROBENZENE	617	120	135877	1.005	1.659
106-46-7	1,4-DICHLOROBENZENE *	654	120	84164	1.070	1.028
100-51-6	BENZYL ALCOHOL	648	120	130531	1.067	1.594
95-50-1	1,2-DICHLOROBENZENE	681	120	116233	1.127	1.420
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	680	120	33709	1.127	0.412
106-44-5	4-METHYLPHENOL	712	120	127895	1.182	1.562
621-64-7	N-NITROSO-DI-N-PROPYLAMINE**	715	120	22256	1.180	0.272
67-72-1	HEXACHLOROETHANE	703	120	48635	1.170	0.594
98-95-3	NITROBENZENE	725	120	62805	0.844	0.195
78-59-1	ISOPHORONE	774	120	37762	0.904	0.117
88-75-5	2-NITROPHENOL *	782	120	65643	0.918	0.204
105-67-9	2,4-DIMETHYLPHENOL	805	120	109064	0.947	0.338
65-85-0	BENZOIC ACID	857	120	68213	0.999	0.211
111-91-1	BIS(2-CHLOROETHOXY)METHANE	820	120	151806	0.968	0.471
120-83-2	2,4-DICHLOROPHENOL	830	120	90009	0.978	0.279
120-82-1	1,2,4-TRICHLOROBENZENE	840	120	89903	0.993	0.279
91-20-3	NAPHTHALENE	850	120	289329	1.004	0.897
106-47-8	4-CHLOROANILINE	867	120	36984	1.029	0.115
87-68-3	HEXACHLOROBUTADIENE *	888	120	42907	1.054	0.133
59-50-7	4-CHLORO-3-METHYLPHENOL *	968	120	83764	1.152	0.260
91-57-6	2-METHYLNAPHTHALENE *	978	120	160431	1.164	0.497
77-47-4	HEXACHLOROCYCLOPENTADIENE **	1023	120	41492	0.870	0.279
88-06-2	2,4,6-TRICHLOROPHENOL *	1040	120	65367	0.884	0.440

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PP#	CAS#	COMPOUNDS		SCAN#	AMOUNT	AREA	RRT	RF
		2,4,5-TRICHLOROPHENOL		1047	120	50017	0.880	0.336
		2-CHLORONAPHTHALENE		1087	120	185969	0.908	1.248
		2-NITROANILINE		1098	120	74025	0.933	0.498
		DIMETHYL PHTHALATE		1147	120	182549	0.976	1.228
		ACENAPHTHYLENE		1144	120	259747	0.974	1.747
		3-NITROANILINE		1177	120	20777	1.002	0.140
		ACENAPHTHENE	*	1182	120	184293	1.006	1.240
		2,4-DINITROPHENOL	**	1196	120	18474	1.017	0.124*
		4-NITROPHENOL	**	1220	120	14424	1.038	0.097*
		DIBENZOFURAN		1212	120	249540	1.032	1.679
		2,4-DINITROTOLUENE		1227	120	56870	1.044	0.383
		2,6-DINITROTOLUENE		1156	120	45326	0.983	0.305
		DIETHYL PHTHALATE		1282	120	182910	1.092	1.230
		4-CHLOROPHENYL-PHENYLETHER		1282	120	89223	1.092	0.600
		FLUORENE		1276	120	203789	1.086	1.371
		4-NITROANILINE		1301	120	14956	1.106	0.101
		4,6-DINITRO-2-METHYLPHENOL		1301	120	22978	0.897	0.097
		N-NITROSODIPHENYLAMINE	*	1306	120	85017	0.902	0.360
		4-BROMOPHENYL-PHENYLETHER		1371	120	47880	0.947	0.203
		HEXACHLOROBENZENE		1394	120	51887	0.963	0.219
		PENTACHLOROPHENOL	*	1430	120	34388	0.988	0.145
		PHENANTHRENE		1453	120	259347	1.003	1.097
		ANTHRACENE		1462	120	240755	1.009	1.018
		DI-N-BUTYLPHTHALATE		1587	120	296391	1.097	1.254
		FLUORANTHENE	*	1676	120	244243	1.158	1.033
		BENZIDINE						
		PYRENE		1717	120	238287	0.881	2.147
		BUTYLBENZYLPHTHALATE		1865	120	109743	0.957	0.989
		3,3'-DICHLOROBENZIDINE		1948	120	7243	1.000	0.065
		BENZO(A)ANTHRACENE		1945	120	165296	0.998	1.490
		BIS(2-ETHYLHEXYL)PHTHALATE		1984	120	151879	1.019	1.369
		CHRYSENE		1954	120	134233	1.003	1.210
		DI-N-OCTYL PHTHALATE	*	2094	120	216005	0.953	2.339
		BENZO(B)FLUORANTHENE		2136	120	134515	0.973	1.457
		BENZO(K)FLUORANTHENE		2142	120	91667	0.975	0.993
		BENZO(A)PYRENE	*	2188	120	101883	0.996	1.103
		INDENO(1,2,3-CD)PYRENE		2407	120	91046	1.094	0.986
		DIBENZO(A,H)ANTHRACENE		2415	120	83166	1.097	0.901
		BENZO(GHI)PERYLENE		2468	120	86681	1.121	0.939

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STANDARD REPORT

SAMPLE ID. [illegible] BSNS SV STD

FILENAME [illegible]

CLIENT

DATE INJECTED 10/16/86 10:33:00

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CAS#	COMPOUNDS	SCAN#	AMOUNT	AREA	RRT	RF
IS#1	1,4-DICHLOROBENZENE-D4	589	40	41984	1.000	0.777
IS#2	NAPHTHALENE-D8	835	40	80054	1.000	0.999
IS#3	ACENAPHTHENE-D10	1169	40	37588	1.000	0.999
IS#4	PHENANTHRENE-D10	1443	40	61447	1.000	0.999
IS#5	CHRYSENE-D12	1942	40	35945	1.000	0.999
IS#6	PERYLENE-D12	2191	40	29747	1.000	0.999
SU#1	2-FLUOROPHENOL	353	100	72899	0.581	1.470
SU#2	PHENOL-D5	547	100	94584	0.926	1.907
SU#3	NITROBENZENE-D5	704	100	35184	0.840	0.178
SU#4	2-FLUOROBIPHENYL	1051	100	133525	0.899	1.423
SU#5	2,4,6-TRIBROMOPHENOL	1318	100	15850	1.128	0.167
SU#6	P-TERPHENYL-D14	1753	100	107787	0.1903	1.195
	N-NITROSODIMETHYLAMINE	[illegible]				
	PHENOL	550	80	82798	0.930	2.086
	ANILINE	556	80	68648	0.942	1.730
	BIS(2-CHLOROETHYL)ETHER	556	80	68648	0.942	1.730
	2-CHLOROPHENOL	556	80	57204	0.942	1.441
	1,3-DICHLOROBENZENE	581	80	39265	0.988	1.493
	1,4-DICHLOROBENZENE	592	80	66252	1.005	1.669
	BENZYL ALCOHOL	629	80	40390	1.070	1.018
	1,2-DICHLOROBENZENE	627	80	83036	1.067	1.388
	2-METHYLPHENOL	661	80	56488	1.127	1.423
	BIS(2-CHLOROISOPROPYL)ETHER	661	80	16306	1.127	0.411
	4-METHYLPHENOL	693	80	59761	1.182	1.506
	N-NITROSO-DI-N-PROPYLAMINE*	692	80	10703	1.180	0.270
	HEXACHLOROETHANE	685	80	22672	1.170	0.571
	NITROBENZENE	707	80	30351	0.1844	0.190
	ISOPHORONE	757	80	19441	0.904	0.121
	2-NITROPHENOL	768	80	28967	0.918	0.181
	2,4-DIMETHYLPHENOL	792	80	53499	0.947	0.334
	BENZOIC ACID	837	80	19115	0.999	0.119
	BIS(2-CHLOROETHOXY)METHANE	809	80	75013	0.968	0.469
	2,4-DICHLOROPHENOL	817	80	43942	0.978	0.274
	1,2,4-TRICHLOROBENZENE	829	80	42782	0.993	0.267
	NAPHTHALENE	839	80	155680	1.004	0.972
	4-CHLOROANILINE	858	80	10351	1.029	0.065
	HEXACHLOROBUTADIENE	880	80	20935	1.054	0.131
	4-CHLORO-3-METHYLPHENOL	961	80	42033	1.152	0.263
	2-METHYLNAPHTHALENE	971	80	80360	1.16	0.502
	HEXACHLOROCYCLOPENTADIENE	1017	80	15899	0.870	0.212
	2,4,6-TRICHLOROPHENOL	1034	80	29274	0.884	0.390

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STANDARD REPORT PAGE #2 FOR DATAFILE: S1016C03

PP#	CAS#	COMPOUNDS	SCAN#	AMOUNT	AREA	RRT
		2,4,5-TRICHLOROPHENOL	1040	80	27135	0.890
		2-CHLORONAPHTHALENE	1062	80	91995	0.908
		2-NITROANILINE	1092	80	36060	0.1933
		DIMETHYL PHTHALATE	1141	80	95307	0.976
		ACENAPHTHYLENE	1139	80	138802	0.974
		3-NITROANILINE	1171	80	69946	1.002
		ACENAPHTHENE	1176	80	94026	1.006
		2,4-DINITROPHENOL	1189	80	16387	1.017
		4-NITROPHENOL	1213	80	16161	1.038
		DIBENZOFURAN	1206	80	125474	1.032
		2,4-DINITROTOLUENE	1220	80	28872	1.044
		2,6-DINITROTOLUENE	1149	80	23780	0.983
		DIETHYL PHTHALATE	1275	80	87527	1.092
		4-CHLOROPHENYL-PHENYLETHER	1277	80	45692	1.092
		FLUORENE	1271	80	106486	1.086
		4-NITROANILINE	1293	80	16412	1.106
		4,6-DINITRO-2-METHYLPHENOL	1295	80	8719	0.897
		N-NITROSODIPHENYLAMINE	1301	80	38522	0.902
		4-BROMOPHENYL-PHENYLETHER	1366	80	23270	0.947
		HEXACHLOROBENZENE	1388	80	26477	0.963
		PENTACHLOROPHENOL	1424	80	17017	0.988
		PHENANTHRENE	1448	80	142482	1.003
		ANTHRACENE	1456	80	128134	1.009
		DI-N-BUTYLPHTHALATE	1582	80	139900	1.097
		FLUORANTHENE	1671	80	132462	1.158
		BENZIDINE				
		PYRENE	1711	80	133341	0.881
		BUTYLBENZYLPHTHALATE	1859	80	63556	0.957
		3,3'-DICHLOROBENZIDINE	1942	80	13544	15.000
		BENZO(A)ANTHRACENE	1939	80	94931	0.998
		BIS(2-ETHYLHEXYL)PHTHALATE	1979	80	83676	1.019
		CHRYSENE	1947	80	86975	1.003
		DI-N-OCTYL PHTHALATE	2088	80	133587	0.953
		BENZO(B)FLUORANTHENE	2130	80	78707	0.973
		BENZO(K)FLUORANTHENE	2136	80	63957	0.975
		BENZO(A)PYRENE	2182	80	64120	0.996
		INDENO(1,2,3-CD)PYRENE	2397	80	65759	1.094
		DIBENZO(A,H)ANTHRACENE	2404	80	53412	15.097
		BENZO(GHI)PERYLENE	2457	80	56099	1.121

6538 230

TANDARD REPORT

SAMPLE ID. 50NG SV STD

ILENAME 81016C04

CLIENT -

ATE INJECTED 10/16/86 11:27:00

PROCESSED 10/17/86

ANALYST RW

VERIFIED BY

CAS#	COMPOUNDS	SCAN#	AMOUNT	AREA	RRT	RF
IS#1	1,4-DICHLOROBENZENE-D4	582	40	23144	1.000	0.999
IS#2	NAPHTHALENE-D8	833	40	93468	1.000	0.999
IS#3	ACENAPHTHENE-D10	1169	40	43848	1.000	0.999
IS#4	PHENANTHRENE-D10	1443	40	70418	1.000	0.999
IS#5	CHRYSENE-D10	1943	40	35477	1.000	0.999
IS#6	PERYLENE-D12	2191	40	27647	1.000	0.999
SU#1	2-FLUOROPHENOL	338	100	85016	0.581	1.469
SU#2	PHENOL-D5	539	100	112769	0.926	1.949
SU#3	NITROBENZENE-D5	700	100	42585	0.840	0.182
SU#4	2-FLUOROBIPHENYL	1051	100	153590	0.899	1.401
SU#5	2,4,6-TRIBROMOPHENOL	1319	100	16650	1.128	0.152
SU#6	P-TERPHENYL-D14	1755	100	119558	0.903	1.348
	N-NITROSODIMETHYLAMINE					
	PHENOL					
	ANILINE	541	50	60296	0.930	2.084
	BIS(2-CHLOROETHYL)ETHER	548	50	51283	0.942	1.773
	2-CHLOROPHENOL	548	50	47575	0.942	1.644
	1,3-DICHLOROBENZENE	548	50	42211	0.942	1.459
	1,4-DICHLOROBENZENE *	574	50	44699	0.986	1.545
	BENZYL ALCOHOL	585	50	50156	1.005	1.734
	1,2-DICHLOROBENZENE	623	50	30208	1.070	1.044
	2-METHYLPHENOL	621	50	47752	1.067	1.651
	BIS(2-CHLOROISOPROPYL)ETHER	656	50	44453	1.127	1.537
	4-METHYLPHENOL	656	50	12373	1.127	0.428
	N-NITROSO-DI-N-PROPYLAMINE**	688	50	44306	1.182	1.531
	HEXACHLOROETHANE	687	50	7957	1.180	0.275
	NITROBENZENE	681	50	16708	1.170	0.578
	ISOPHORONE	703	50	21999	0.844	0.188
	2-NITROPHENOL *	753	50	15118	0.904	0.129
	2,4-DIMETHYLPHENOL	765	50	21403	0.918	0.183
	BENZOIC ACID	789	50	39773	0.947	0.340
	BIS(2-CHLOROETHOXY)METHANE	832	50	15241	0.999	0.130
	2,4-DICHLOROPHENOL	806	50	56845	0.968	0.487
	1,2,4-TRICHLOROBENZENE	815	50	32358	0.978	0.277
	NAPHTHALENE	827	50	31788	0.993	0.272
	4-CHLOROANILINE	836	50	119728	1.004	1.025
	HEXACHLOROBUTADIENE *	857	50	9157	1.029	0.078
	4-CHLORO-3-METHYLPHENOL *	878	50	15060	1.054	0.129
	2-METHYLNAPHTHALENE	960	50	31319	1.152	0.268
	HEXACHLOROCYCLOPENTADIENE **	970	50	59344	1.164	0.508
	2,4,6-TRICHLOROPHENOL *	1017	50	12450	0.870	0.227
		1033	50	21173	0.884	0.386

003110

003110

STANDARD REPORT PAGE #2 FOR DATAFILE: S1016C04

P#	CAS#	COMPOUNDS	SCAN#	AMOUNT	AREA	RRT	RF
		2,4,5-TRICHLOROPHENOL	1040	50	19382	0.890	0.354
		-CHLORONAPHTHALENE	1061	50	67855	0.908	1.238
		-NITROANILINE	1091	50	26308	0.933	0.480
		DIMETHYL PHTHALATE	1141	50	68747	0.976	1.254
		CENAPHTHYLENE	1139	50	107773	0.974	1.966
		-NITROANILINE	1171	50	8389	1.002	0.153
		ACENAPHTHENE	1176	50	69036	1.006	1.260
		2,4-DINITROPHENOL	1189	50	4624	1.017	0.084*
		-NITROPHENOL	1213	50	4222	1.038	0.077*
		DIBENZOFURAN	1206	50	91467	1.032	1.669
		2,4-DINITROTOLUENE	1220	50	20883	1.044	0.381
		,6-DINITROTOLUENE	1149	50	15219	0.983	0.278
		IETHYL PHTHALATE	1276	50	67352	1.092	1.229
		4-CHLOROPHENYL-PHENYLETHER	1277	50	32784	1.092	0.598
		LUORENE	1270	50	77882	1.086	1.421
		-NITROANILINE	1293	50	5747	1.106	0.105
		4,6-DINITRO-2-METHYLPHENOL	1295	50	6681	0.897	0.076
		N-NITROSODIPHENYLAMINE	1302	50	29730	0.902	0.338
		-BROMOPHENYL-PHENYLETHER	1366	50	16860	0.947	0.192
		HEXACHLOROBENZENE	1389	50	18339	0.963	0.208
		ENTACHLOROPHENOL	1425	50	11477	0.988	0.130
		HENANTHRENE	1448	50	101524	1.003	1.153
		NTHRACENE	1456	50	96943	1.009	1.101
		DI-N-BUTYLPHTHALATE	1583	50	123435	1.097	1.402
		LUORANTHENE	1671	50	98369	1.158	1.118
		ENZIDINE					
		YRENE	1711	50	97573	0.881	2.200
		UTYLBENZYLPHTHALATE	1860	50	42350	0.957	0.955
		,3-DICHLOROBENZIDINE	1943	50	2192	1.000	0.049
		ENZO(A)ANTHRACENE	1939	50	59548	0.998	1.343
		BIS(2-ETHYLHEXYL)PHTHALATE	1980	50	54680	1.019	1.233
		HRYSENE	1948	50	53382	1.003	1.204
		I-N-OCTYL PHTHALATE	2089	50	80464	0.953	2.328
		BENZO(B)FLUORANTHENE	2131	50	45231	0.973	1.309
		ENZO(K)FLUORANTHENE	2136	50	37942	0.975	1.098
		ENZO(A)PYRENE	2182	50	37666	0.996	1.090
		NDENO(1,2,3-CD)PYRENE	2398	50	36709	1.094	1.062
		DIBENZO(A,H)ANTHRACENE	2404	50	29787	1.097	0.862
		ENZO(GHI)PERYLENE	2456	50	32321	1.121	0.935

003111

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ANDARD REPORT

AMPLE ID. 20NG SV STD

LENAME S1016C05 PROCESSED 10/17/86

ENT - ANALYST RW

ATE INJECTED 10/16/86 12:40:00 VERIFIED BY

003112

AS#	COMPOUNDS	SCAN#	AMOUNT	AREA	RRT	RF
#1	1,4-DICHLOROBENZENE-D4	615	40	21869	1.000	0.999
#2	NAPHTHALENE-D8	843	40	87317	1.000	0.999
#3	ACENAPHTHENE-D10	1170	40	41350	1.000	0.999
#4	PHENANTHRENE-D10	1442	40	67361	1.000	0.999
S#5	CHRYSENE-D10	1940	40	37931	1.000	0.999
S#6	PERYLENE-D12	2189	40	33380	1.000	0.999
U#1	2-FLUOROPHENOL	414	100	76448	0.581	1.398
U#2	PHENOL-D5	577	100	103143	0.926	1.887
U#3	NITROBENZENE-D5	720	100	38579	0.840	0.177
U#4	2-FLUOROBIPHENYL	1053	100	141107	0.899	1.365
U#5	2,4,6-TRIBROMOPHENOL	1318	100	15378	1.128	0.149
U#6	P-TERPHENYL-D14	1754	100	116167	0.903	1.225
	NITROSODIMETHYLAMINE					
	ENOL *	579	20	23347	0.930	2.135
	ANILINE	585	20	17768	0.942	1.625
	BIS(2-CHLOROETHYL)ETHER	585	20	18435	0.942	1.686
	2-CHLOROPHENOL	585	20	15341	0.942	1.403
	1,3-DICHLOROBENZENE	608	20	16180	0.986	1.480
	1,4-DICHLOROBENZENE *	618	20	18857	1.005	1.725
	BENZYL ALCOHOL	650	20	9898	1.070	0.905
	1,2-DICHLOROBENZENE	649	20	16792	1.067	1.536
	-METHYLPHENOL	678	20	15876	1.127	1.452
	BIS(2-CHLOROISOPROPYL)ETHER	680	20	4481	1.127	0.410
	4-METHYLPHENOL	706	20	15572	1.182	1.424
	N-NITROSO-DI-N-PROPYLAMINE**	705	20	2626	1.180	0.240
	HEXACHLOROETHANE	703	20	5763	1.170	0.527
	NITROBENZENE	722	20	7933	0.844	0.182
	ISOPHORONE	766	20	5348	0.904	0.122
	2-NITROPHENOL *	779	20	7100	0.918	0.163
	2,4-DIMETHYLPHENOL	799	20	12737	0.947	0.292
	BENZOIC ACID	830	20	6565	0.999	0.150
	BIS(2-CHLOROETHOXY)METHANE	815	20	19890	0.968	0.456
	2,4-DICHLOROPHENOL	824	20	10846	0.978	0.248
	1,2,4-TRICHLOROBENZENE	837	20	11340	0.993	0.260
	NAPHTHALENE	846	20	43572	1.004	0.998
	4-CHLOROANILINE	868	20	2771	1.029	0.063
	HEXACHLOROBUTADIENE *	886	20	5238	1.054	0.120
	4-CHLORO-3-METHYLPHENOL *	963	20	10299	1.152	0.236
	2-METHYLNAPHTHALENE	974	20	20376	1.164	0.467
	HEXACHLOROCYCLOPENTADIENE **	1020	20	4046	0.870	0.196
	2,4,6-TRICHLOROPHENOL *	1035	20	7143	0.884	0.345

NDARD REPORT PAGE #2 FOR DATAFILE: S1016C05

PP#	CAS#	COMPOUNDS		SCAN#	AMOUNT	AREA	RRT	RF
		2,4,5-TRICHLOROPHENOL		1041	20	6638	0.890	0.321
		2-CHLORONAPHTHALENE		1063	20	24244	0.908	1.173
		2-NITROANILINE		1091	20	8309	0.933	0.402
		METHYL PHTHALATE		1139	20	24839	0.976	1.201
		ENAPHTHYLENE		1139	20	40311	0.974	1.950
		NITROANILINE						
		CENAPHTHENE	*	1175	20	25265	1.006	1.222
		2,4-DINITROPHENOL	**					
		4-NITROPHENOL	**					
		DIBENZOFURAN		1205	20	33600	1.032	1.625
		2,4-DINITROTOLUENE		1217	20	7195	1.044	0.348
		2,6-DINITROTOLUENE		1147	20	6015	0.983	0.291
		DIETHYL PHTHALATE		1274	20	25289	1.092	1.223
		4-CHLOROPHENYL-PHENYLETHER		1276	20	11971	1.092	0.579
		FLUORENE		1269	20	27739	1.086	1.342
		4-NITROANILINE		1288	20	1704	1.106	0.082
		4,6-DINITRO-2-METHYLPHENOL		1293	20	2225	0.897	0.066
		N-NITROSODIPHENYLAMINE	*	1300	20	15049	0.902	0.447
		4-BROMOPHENYL-PHENYLETHER		1365	20	6098	0.947	0.181
		HEXACHLOROBENZENE		1387	20	6565	0.963	0.195
		PENTACHLOROPHENOL	*					
		PHENANTHRENE		1446	20	36820	1.003	1.093
		ANTHRACENE		1454	20	37026	1.009	1.099
		DI-N-BUTYLPHTHALATE		1580	20	46139	1.097	1.370
		FLUORANTHENE	*	1668	20	36571	1.158	1.086
		BENZIDINE						
		PYRENE		1708	20	36738	0.881	1.937
		BUTYLBENZYLPHTHALATE		1857	20	16047	0.957	0.846
		3,3'-DICHLOROBENZIDINE		1941	20	932	1.000	0.049
		BENZO(A)ANTHRACENE		1936	20	24776	0.998	1.306
		BIS(2-ETHYLHEXYL)PHTHALATE		1977	20	21610	1.019	1.139
		CHRYSENE		1945	20	22715	1.003	1.198
		DI-N-OCTYL PHTHALATE	*	2087	20	36406	0.953	2.181
		BENZO(B)FLUORANTHENE		2128	20	20556	0.973	1.232
		BENZO(K)FLUORANTHENE		2132	20	18083	0.978	1.083
		BENZO(A)PYRENE	*	2179	20	17033	0.996	1.021
		INDENO(1,2,3-CD)PYRENE		2392	20	16563	1.094	0.992
		DIBENZO(A,H)ANTHRACENE		2399	20	12949	1.097	0.776
		BENZO(GHI)PERYLENE		2449	20	14017	1.121	0.840

003113

STANDARD REPORT

SAMPLE ID. 50PPB VOA DAILY STD

FILENAME 51201V01 INSTRUMENT ID. FINN 1021

CLIENT ACUREX ANALYST JP

DATE INJECTED 12/01/86 8:04:00 VERIFIED BY

003114

COMPOUNDS		SCAN#	AMOUNT	AREA	RRT	RF
BROMOCHLOROMETHANE (IS1)		160	50.0	47887	1.000	1.000
1,4-DIFLUOROBENZENE (IS2)		363	50.0	229612	1.000	1.000
CHLOROBENZENE-D5 (IS3)		446	50.0	198885	1.000	1.000
1,2-DICHLOROETHANE-D4 (SU1)		224	100.1	78548	1.400	0.820
TOLUENE-D8 (SU2)		423	100.1	211059	0.948	0.531
P-BROMOFLUOROBENZENE (SU3)		516	100.1	161930	1.157	0.407
DICHLOROMETHANE	**	22	50.0	30615	0.137	0.639
BROMOMETHANE		33	50.0	29135	0.206	0.608
VINYL CHLORIDE	*	42	50.0	32687	0.263	0.683
CHLOROETHANE		55	50.0	21158	0.344	0.442
METHYLENE CHLORIDE		91	50.0	50791	0.569	1.061
ACETONE		105	50.0	3603	0.656	0.075
CARBON DISULFIDE		119	50.0	100326	0.744	2.095
1,1-DICHLOROETHENE	*	148	50.0	51756	0.925	1.081
1,1-DICHLOROETHANE	**	177	50.0	105597	1.106	2.205*
TRANS-1,2-DICHLOROETHENE		195	50.0	62706	1.219	1.309
CHLOROFORM	*	209	50.0	122127	1.306	2.550
1,2-DICHLOROETHANE		225	50.0	94532	1.406	1.974
2-BUTANONE		225	50.0	5590	0.620	0.024
1,1,1-TRICHLOROETHANE		251	50.0	97715	0.691	0.426
CARBON TETRACHLORIDE		259	50.0	103644	0.713	0.451
VINYL ACETATE		269	50.0	10742	0.741	0.047
BROMODICHLOROMETHANE		277	50.0	118827	0.763	0.518
1,1,2,2-TETRACHLOROETHANE	**	405	50.0	99320	0.908	0.499*
1,2-DICHLOROPROPANE	*	301	50.0	65599	0.829	0.286
TRANS-1,3-DICHLOROPROPENE		306	50.0	148616	0.843	0.647
TRICHLOROETHENE		315	50.0	95185	0.868	0.415
DIBROMOCHLOROMETHANE		326	50.0	129149	0.898	0.562
1,1,2-TRICHLOROETHANE		328	50.0	65858	0.904	0.286
BENZENE		322	50.0	193015	0.887	0.841
CIS-1,3-DICHLOROPROPENE		327	50.0	115084	0.901	0.501
2-CHLOROETHYLVINYLETHER		343	50.0	6149	0.945	0.027*
BROMOFORM	**	368	50.0	89432	1.014	0.389*
2-HEXANONE		399	50.0	22508	0.895	0.113
4-METHYL-2-PENTANONE		374	50.0	24079	0.839	0.121
TETRACHLOROETHENE		405	50.0	102064	0.908	0.513
TOLUENE	*	426	50.0	233008	0.955	1.172
CHLOROBENZENE	**	449	50.0	177970	1.007	0.895*
ETHYLBENZENE	*	482	50.0	91020	1.081	0.458
STYRENE		531	50.0	178760	1.191	0.899
TOTAL XYLENES		543	50.0	265294	1.217	1.334

STANDARD REPORT

6539 223

SAMPLE ID. 50PPB VOA DAILY STD

FILENAME S1202V02 INSTRUMENT ID: FINN 1020

CLIENT ACUREX ANALYST JP

DATE INJECTED 12/02/86 7 55:00 VERIFIED BY

003115

COMPOUNDS		SCAN#	AMOUNT	AREA	RRT	RF
BROMOCHLOROMETHANE (IS1)		159	50.1	49346	1.000	1.000
1,4-DIFLUOROBENZENE (IS2)		362	50.1	232257	1.000	1.000
CHLOROBENZENE-D5 (IS3)		447	50.1	208354	1.000	1.000
1,2-DICHLOROETHANE-D4 (SU1)		222	100.1	71587	1.396	0.725
TOLUENE-D8 (SU2)		423	100.1	219808	0.946	0.527
P-BROMOFLUOROBENZENE (SU3)		517	100.1	160748	1.157	0.386
CHLOROMETHANE	**	22	50.1	33917	0.138	0.687
BROMOMETHANE		34	50.1	27909	0.214	0.566
VINYL CHLORIDE	*	43	50.1	31623	0.270	0.641
CHLOROETHANE		55	50.1	20230	0.346	0.410
METHYLENE CHLORIDE		91	50.1	50421	0.572	1.022
ACETONE		104	50.1	3246	0.654	0.066
CARBON DISULFIDE		119	50.1	81989	0.748	1.662
1,1-DICHLOROETHENE	*	147	50.1	52659	0.925	1.067
1,1-DICHLOROETHANE	**	175	50.1	104355	1.101	2.115
TRANS-1,2-DICHLOROETHENE		194	50.1	67812	1.220	1.374
CHLOROFORM	*	208	50.1	122806	1.308	2.489
1,2-DICHLOROETHANE		224	50.1	87144	1.409	1.766
2-BUTANONE		224	50.1	6073	0.619	0.026
1,1,1-TRICHLOROETHANE		249	50.1	87437	0.688	0.376
CARBON TETRACHLORIDE		258	50.1	96986	0.713	0.418
VINYL ACETATE		267	50.1	11778	0.738	0.051
BROMODICHLOROMETHANE		275	50.1	112809	0.760	0.486
1,1,2,2-TETRACHLOROETHANE	**	406	50.1	113863	0.908	0.546
1,2-DICHLOROPROPANE	*	300	50.1	69139	0.829	0.298
TRANS-1,3-DICHLOROPROPENE		305	50.1	144977	0.843	0.624
TRICHLOROETHENE		314	50.1	97105	0.867	0.418
DIBROMOCHLOROMETHANE		325	50.1	124110	0.898	0.534
1,1,2-TRICHLOROETHANE		326	50.1	68206	0.901	0.294
BENZENE		321	50.1	197312	0.887	0.850
CIS-1,3-DICHLOROPROPENE		326	50.1	108350	0.901	0.467
2-CHLOROETHYLVINYLETHER		342	50.1	8398	0.945	0.036
BROMOFORM	**	367	50.1	82109	1.014	0.354
2-HEXANONE		399	50.1	26854	0.893	0.129
4-METHYL-2-PENTANONE		373	50.1	25375	0.834	0.122
TETRACHLOROETHENE		405	50.1	101186	0.906	0.486
TOLUENE	*	427	50.1	249483	0.955	1.197
CHLOROBENZENE	**	449	50.1	195190	1.004	0.937
ETHYLBENZENE	*	483	50.1	96535	1.081	0.463
STYRENE		532	50.1	199859	1.190	0.959
TOTAL XYLENES		544	50.1	260234	1.217	1.249

STANDARD REPORT

SAMPLE ID. 200 PPB VOA STD

FILENAME S1014V03 PROCESSED 10/14/86

CLIENT EPA ANALYST RS

DATE INJECTED 10/14/86 12:43:00 VERIFIED BY

003116

PP#	CAS#	COMPOUNDS	SCAN#	AMOUNT	AREA	RRT	RF
		BROMOCHLOROMETHANE (IS1)	170	50	44167	1.000	0.999
		1,4-DIFLUOROBENZENE (IS2)	369	50	228203	1.000	0.999
		CHLOROBENZENE-D5 (IS3)	456	50	189835	1.000	0.999
		1,2-DICHLOROETHANE-D4 (SU1)	230	100	90607	1.363	1.026
		TOLUENE-D8 (SU2)	433	100	202722	0.950	0.534
		P-BROMOFLUOROBENZENE (SU3)	527	100	165095	1.155	0.435
		CHLOROMETHANE **	24	200	119374	0.140	0.676
		BROMOMETHANE	37	200	162103	0.216	0.918
		VINYL CHLORIDE *	47	200	150222	0.275	0.850
		CHLOROETHANE	61	200	87241	0.363	0.494
		METHYLENE CHLORIDE	99	200	235983	0.585	1.336
		ACETONE	118	200	12279	0.678	0.070
		CARBON DISULFIDE	128	200	458957	0.754	2.598
		1,1-DICHLOROETHENE *	157	200	217045	0.930	1.229
		1,1-DICHLOROETHANE **	186	200	430583	1.099	2.437
		TRANS-1,2-DICHLOROETHENE	203	200	267839	1.199	1.516
		CHLOROFORM *	217	200	535839	1.287	3.033
		1,2-DICHLOROETHANE	233	200	401385	1.374	2.272
		2-BUTANONE	232	200	19011	0.632	0.021
		1,1,1-TRICHLOROETHANE	257	200	441892	0.699	0.484
		CARBON TETRACHLORIDE	265	200	471193	0.720	0.516
		VINYL ACETATE	272	200	41753	0.739	0.046
		BROMODICHLOROMETHANE	280	200	478738	0.763	0.524
		1,1,2,2-TETRACHLOROETHANE **	416	200	345381	0.913	0.455
		1,2-DICHLOROPROPANE *	302	200	274834	0.823	0.301
		TRANS-1,3-DICHLOROPROPENE	308	200	543819	0.836	0.596
		TRICHLOROETHENE	317	200	336338	0.863	0.368
		DIBROMOCHLOROMETHANE	329	200	470329	0.892	0.515
		1,1,2-TRICHLOROETHANE	331	200	243692	0.895	0.267
		BENZENE	324	200	665585	0.879	0.729
		CIS-1,3-DICHLOROPROPENE	308	200	543819	0.836	0.596
		2-CHLOROETHYLVINYLETHER	348	200	106502	0.944	0.117
		BROMOFORM **	375	200	330601	1.016	0.362
		2-HEXANONE	409	200	83084	0.900	0.109
		4-METHYL-2-PENTANONE	381	200	87126	0.838	0.115
		TETRACHLOROETHENE	415	200	362490	0.910	0.477
		TOLUENE *	436	200	903467	0.959	1.190
		CHLOROBENZENE **	459	200	704623	1.007	0.928
		ETHYLBENZENE *	492	200	374049	1.079	0.493
		STYRENE	542	200	682155	1.186	0.898
		TOTAL XYLENES	553	200	1062769	1.212	1.400

PROCEDURE: TCA DIAGNOSTIC REPORT 10/14/8c 14:24:11
DATA FILE: S1014V03
REFERENCE: VQ
METHOD: VQN INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VQSTDS

< ---- STANDARDS ----- >< --- PLUS UNKNOWNS --- >< - LIST NAMES - >								
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
6	6	2	100	18	18	12	118	VQSTDS/VQ1
6	6	1	100	18	18	4	87	VQSTDS/VQ2
6	6	1	100	17	17	8	76	VQSTDS/VQ3

41 COMPOUNDS PROCESSED, 41 FOUND

< COMPOUND >< ---------- SEARCH ---------- >< SAT >< ------ CHRO -------													
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/E	TOP	DELTA	PEAKS
1	V1	1	-171	169	170	1	1	987	.	128	170	.	1
2	V1	2	-372	370	369	-1	1	994	.	114	369	.	1
3	V1	3	-458	456	457	1	1	907	.	117	456	-1	1
4	V1	4	-233	231	230	-1	1	988	.	65	230	.	1
5	V1	5	-435	433	433	.	2	997	.	98	433	.	1
6	V1	6	-529	527	527	.	1	959	.	95	527	.	1
7	V1	7	-24	24	24	.	2	996	.	50	24	.	1
8	V1	8	-37	37	37	.	2	999	.	94	37	.	1
9	V1	9	-47	47	47	.	1	1000	.	62	47	.	1
10	V1	10	-62	61	61	.	1	1000	.	64	61	.	1
11	V1	11	-100	99	100	1	1	996	.	84	99	-1	1
12	V1	12	-116	115	118	3	3	994	.	58	118	.	1
13	V1	13	-129	128	128	.	1	946	.	76	128	.	1
14	V1	14	-159	158	158	.	1	994	.	96	157	-1	1
15	V1	15	-188	187	186	-1	1	997	.	63	186	.	1
16	V1	16	-205	204	203	-1	1	992	.	96	203	.	1
17	V1	17	-220	219	217	-2	1	998	.	83	217	.	1
18	V1	18	-235	234	232	-2	1	958	.	62	233	1	1
19	V1	19	-235	232	232	.	1	997	.	72	232	.	1
20	V1	20	-260	257	257	.	1	996	.	97	257	.	1
21	V1	21	-268	265	265	.	2	952	.	117	265	.	1
22	V1	22	-275	272	272	.	2	867	.	86	272	.	1
23	V1	23	-284	281	280	-1	1	1000	.	83	280	.	1
24	V1	24	-418	416	416	.	1	997	.	83	416	.	1
25	V1	25	-306	303	302	-1	1	963	.	63	302	.	1
26	V1	26	-311	308	308	.	1	785	.	75	308	.	1
27	V1	27	-321	318	317	-1	1	994	.	130	317	.	1
28	V1	28	-332	329	329	.	1	994	.	129	329	.	1
29	V1	29	-333	330	331	1	1	976	.	97	331	.	1
30	V1	30	-327	324	324	.	1	927	.	78	324	.	1
31	V1	31	-311	309	308	-1	1	786	.	75	308	.	1
32	V1	32	-351	349	349	.	1	993	.	63	348	-1	1
33	V1	33	-378	376	375	-1	1	992	.	173	375	.	1
34	V1	34	-412	410	409	-1	1	992	.	58	409	.	1
35	V1	35	-384	382	381	-1	1	994	.	58	381	.	1
36	V1	36	-417	415	415	.	1	987	.	164	415	.	1
37	V1	37	-439	437	436	-1	2	939	.	91	436	.	1
38	V1	38	-461	459	459	.	1	988	.	112	459	.	1
39	V1	39	-494	492	492	.	2	995	.	106	492	.	1
40	V1	40	-543	541	542	1	1	984	.	104	542	.	1
41	V1	41	-555	553	553	.	2	988	.	91	553	.	1

003117

STANDARD REPORT

SAMPLE ID. 150 PPB VOA STD

FILENAME S1014V05 PROCESSED 10/14/86

CLIENT EPA ANALYST PV

DATE INJECTED 10/14/86 15:05:00 VERIFIED BY

003118

PP#	CAS#	COMPOUNDS		SCAN#	AMOUNT	AREA	RRT	RF
		BROMOCHLOROMETHANE (IS1)		170	50	42274	1.000	0.999
		1,4-DIFLUOROBENZENE (IS2)		371	50	218652	1.000	0.999
		CHLOROBENZENE-D5 (IS3)		458	50	185331	1.000	0.999
		1,2-DICHLOROETHANE-D4 (SU1)		232	100	82760	1.363	0.979
		TOLUENE-D8 (SU2)		435	100	193503	0.950	0.522
		P-BROMOFLUOROBENZENE (SU3)		529	100	154708	1.155	0.417
		CHLOROMETHANE	**	25	150	77054	0.140	0.608
		BROMOMETHANE		37	150	100480	0.216	0.792
		VINYL CHLORIDE	*	47	150	86694	0.275	0.684
		CHLOROETHANE		62	150	53964	0.363	0.426
		METHYLENE CHLORIDE		100	150	142509	0.585	1.124
		ACETONE		116	150	8216	0.678	0.065
		CARBON DISULFIDE		128	150	277795	0.754	2.190
		1,1-DICHLOROETHENE	*	158	150	132052	0.930	1.041
		1,1-DICHLOROETHANE	**	187	150	256310	1.099	2.021#
		TRANS-1,2-DICHLOROETHENE		204	150	166840	1.199	1.316
		CHLOROFORM	*	218	150	324200	1.287	2.556
		1,2-DICHLOROETHANE		234	150	256297	1.374	2.021
		2-BUTANONE		233	150	11690	0.632	0.018
		1,1,1-TRICHLOROETHANE		259	150	268391	0.699	0.409
		CARBON TETRACHLORIDE		267	150	278417	0.720	0.424
		VINYL ACETATE		274	150	24850	0.739	0.038
		BROMODICHLOROMETHANE		282	150	288920	0.763	0.440
		1,1,2,2-TETRACHLOROETHANE	**	418	150	229148	0.913	0.412#
		1,2-DICHLOROPROPANE	*	304	150	154551	0.823	0.236
		TRANS-1,3-DICHLOROPROPENE		310	150	338340	0.836	0.516
		TRICHLOROETHENE		319	150	214692	0.863	0.327
		DIBROMOCHLOROMETHANE		330	150	306070	0.892	0.467
		1,1,2-TRICHLOROETHANE		332	150	159300	0.895	0.243
		BENZENE		326	150	409838	0.879	0.625
		CIS-1,3-DICHLOROPROPENE		310	150	338340	0.836	0.516
		2-CHLOROETHYL VINYLETHER		350	150	64616	0.944	0.099#
		BROMOFORM	**	377	150	205114	1.016	0.313#
		2-HEXANONE		411	150	53765	0.900	0.097
		4-METHYL-2-PENTANONE		383	150	54462	0.838	0.098
		TETRACHLOROETHENE		417	150	239390	0.910	0.431
		TOLUENE	*	438	150	568805	0.959	1.023
		CHLOROBENZENE	**	460	150	447296	1.007	0.804#
		ETHYLBENZENE	*	493	150	231933	1.079	0.417
		STYRENE		543	150	439226	1.186	0.790
		TOTAL XYLENES		554	150	686940	1.212	1.236

PROCEDURE: TCA DIAGNOSTIC REPORT 10/14/86 15:34:54
DATA FILE: S1014V05
REFERENCE: VQ
METHOD: VQN INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VQSTDS

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
6	6	1	97	18	18	3	87	VQSTDS/VQ1
6	6	1	97	18	18	4	67	VQSTDS/VQ2
6	6	1	97	17	17	1	63	VQSTDS/VQ3

41 COMPOUNDS PROCESSED, 41 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT >< ------ CHRO -------									
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/E	TOP	DELTA	PEAKS
1	V1	1	-171	170	170	.	1	985	.	128	170	.	1
2	V1	2	-372	371	371	.	1	992	.	114	371	.	1
3	V1	3	-458	458	459	1	1	888	.	117	458	-1	1
4	V1	4	-233	232	231	-1	1	992	.	65	232	1	1
5	V1	5	-435	435	435	.	1	994	.	98	435	.	1
6	V1	6	-529	529	528	-1	1	995	.	95	529	1	1
7	V1	7	-24	24	25	1	1	996	.	50	25	.	1
8	V1	8	-37	37	37	.	1	998	.	94	37	.	1
9	V1	9	-47	47	47	.	1	1000	.	62	47	.	1
10	V1	10	-62	62	62	.	1	999	.	64	62	.	1
11	V1	11	-100	100	100	.	1	995	.	84	100	.	1
12	V1	12	-116	116	116	.	3	984	.	58	116	.	1
13	V1	13	-129	129	128	-1	1	946	.	76	128	.	1
14	V1	14	-159	158	158	.	1	994	.	96	158	.	1
15	V1	15	-188	187	187	.	1	997	.	63	187	.	1
16	V1	16	-205	204	204	.	1	995	.	96	204	.	1
17	V1	17	-220	219	218	-1	1	999	.	83	218	.	1
18	V1	18	-235	234	234	.	1	887	.	62	234	.	1
19	V1	19	-235	233	233	.	2	998	.	72	233	.	1
20	V1	20	-260	259	259	.	1	994	.	97	259	.	1
21	V1	21	-268	267	267	.	2	954	.	117	267	.	1
22	V1	22	-275	274	274	.	1	845	.	86	274	.	1
23	V1	23	-284	283	282	-1	1	999	.	83	282	.	1
24	V1	24	-418	417	418	1	1	996	.	83	418	.	1
25	V1	25	-306	305	304	-1	1	966	.	63	304	.	1
26	V1	26	-311	310	310	.	1	789	.	75	310	.	1
27	V1	27	-321	320	319	-1	1	995	.	130	319	.	1
28	V1	28	-332	331	331	.	1	992	.	129	330	-1	1
29	V1	29	-333	332	332	.	1	975	.	97	332	.	1
30	V1	30	-327	326	326	.	1	929	.	78	326	.	1
31	V1	31	-311	310	310	.	1	787	.	75	310	.	1
32	V1	32	-351	350	350	.	1	999	.	63	350	.	1
33	V1	33	-378	377	377	.	1	992	.	173	377	.	1
34	V1	34	-412	411	411	.	1	997	.	58	411	.	1
35	V1	35	-384	383	383	.	1	994	.	58	383	.	1
36	V1	36	-417	416	417	1	1	988	.	164	417	.	1
37	V1	37	-439	438	438	.	1	939	.	91	438	.	1
38	V1	38	-461	460	460	.	1	996	.	112	460	.	1
39	V1	39	-494	493	493	.	1	998	.	106	493	.	1
40	V1	40	-543	543	543	.	1	985	.	104	543	.	1
41	V1	41	-555	555	554	-1	1	984	.	91	554	.	1

003119

STANDARD REPORT

0528 21

SAMPLE ID. S1014V04 100PPB STD 50UL

FILENAME S1014 PROCESSED 10/14/86

CLIENT ACUREX ANALYST PV

DATE INJECTED 10/14/86 14:17:00 VERIFIED BY

PP#	CAS#	COMPOUNDS	SCAN#	AMOUNT	AREA	RRT	RF
		BROMOCHLOROMETHANE (IS1)	171	50	43698	1.000	0.999
		1,4-DIFLUOROBENZENE (IS2)	370	50	220651	1.000	0.999
		CHLOROBENZENE-D5 (IS3)	459	50	188753	1.000	0.999
		1,2-DICHLOROETHANE-D4 (SU1)	231	100	80356	1.363	0.919
		TOLUENE-D8 (SU2)	436	100	196727	0.950	0.521
		P-BROMOFLUOROBENZENE (SU3)	531	100	158040	1.155	0.419
		CHLOROMETHANE **	25	100	46577	0.140	0.533
		BROMOMETHANE	37	100	70211	0.216	0.803
		VINYL CHLORIDE *	48	100	56626	0.275	0.648
		CHLOROETHANE	63	100	35726	0.363	0.409
		METHYLENE CHLORIDE	101	100	96283	0.585	1.102
		ACETONE	118	100	6327	0.678	0.072
		CARBON DISULFIDE	130	100	190242	0.754	2.177
		1,1-DICHLOROETHENE *	159	100	65055	0.930	0.744
		1,1-DICHLOROETHANE **	187	100	179642	1.099	2.055
		TRANS-1,2-DICHLOROETHENE	205	100	118063	1.199	1.351
		CHLOROFORM *	219	100	226570	1.287	2.592
		1,2-DICHLOROETHANE	234	100	180633	1.374	2.067
		2-BUTANONE	233	100	9140	0.632	0.021
		1,1,1-TRICHLOROETHANE	258	100	189794	0.699	0.430
		CARBON TETRACHLORIDE	266	100	189505	0.720	0.429
		VINYL ACETATE	273	100	16999	0.739	0.039
		BROMODICHLOROMETHANE	281	100	201971	0.763	0.458
		1,1,2,2-TETRACHLOROETHANE **	418	100	171225	0.913	0.454
		1,2-DICHLOROPROPANE *	303	100	130867	0.823	0.297
		TRANS-1,3-DICHLOROPROPENE	309	100	232525	0.836	0.527
		TRICHLOROETHENE	319	100	151295	0.863	0.343
		DIBROMOCHLOROMETHANE	331	100	218404	0.892	0.495
		1,1,2-TRICHLOROETHANE	333	100	125293	0.895	0.284
		BENZENE	326	100	298187	0.879	0.676
		CIS-1,3-DICHLOROPROPENE	309	100	232525	0.836	0.527
		2-CHLOROETHYLVINYLETHER	350	100	44000	0.944	0.100
		BROMOFORM **	377	100	144728	1.016	0.328
		2-HEXANONE	411	100	42422	0.900	0.112
		4-METHYL-2-PENTANONE	383	100	42326	0.838	0.112
		TETRACHLOROETHENE	417	100	172958	0.910	0.458
		TOLUENE *	439	100	404613	0.959	1.072
		CHLOROBENZENE **	461	100	316943	1.007	0.840
		ETHYLBENZENE *	495	100	165395	1.079	0.438
		STYRENE	545	100	308038	1.186	0.816
		TOTAL XYLENES	556	100	490336	1.212	1.299

003120

003120

PROCEDURE: TCA DIAGNOSTIC REPORT 10/14/86 14:46:5?
DATA FILE: S1014
REFERENCE: VQ
METHOD: VQN INITIALIZATION OPTION: 2 PROCESSING OPTION: 3 6539 215
REPORT: VQSTDS

< ---- STANDARDS ----- >< --- PLUS UNKNOWNS --- >< - LIST NAMES - >								
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
6	6	2	149	18	18	4	113	VQSTDS/VQ1
6	6	1	149	18	18	2	117	VQSTDS/VQ2
6	6	1	149	17	17	1	108	VQSTDS/VQ3

41 COMPOUNDS PROCESSED, 41 FOUND

< COMPOUND >< ---------- SEARCH ---------- >< SAT >< ------ CHRO -------													
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/E	TOP	DELTA	PEAKS
1	V1	1	-171	170	172	2	1	990	.	128	171	-1	1
2	V1	2	-372	372	371	-1	2	995	.	114	370	-1	1
3	V1	3	-458	459	460	1	1	972	.	117	459	-1	1
4	V1	4	-233	233	231	-2	1	989	.	65	231	.	1
5	V1	5	-435	436	436	.	1	996	.	98	436	.	1
6	V1	6	-529	530	530	.	1	999	.	95	531	1	1
7	V1	7	-24	25	25	.	2	997	.	50	25	.	1
8	V1	8	-37	38	38	.	1	922	.	94	37	-1	1
9	V1	9	-47	48	48	.	1	1000	.	62	48	.	1
10	V1	10	-62	63	63	.	1	996	.	64	63	.	1
11	V1	11	-100	101	101	.	1	998	.	84	101	.	1
12	V1	12	-116	117	118	1	2	984	.	58	118	.	1
13	V1	13	-129	129	130	1	1	949	.	76	130	.	1
14	V1	14	-159	159	159	.	1	994	.	96	159	.	1
15	V1	15	-188	188	188	.	1	996	.	63	187	-1	1
16	V1	16	-205	205	205	.	1	993	.	96	205	.	1
17	V1	17	-220	220	219	-1	1	999	.	83	219	.	1
18	V1	18	-235	235	234	-1	1	886	.	62	234	.	1
19	V1	19	-235	233	233	.	1	996	.	72	233	.	1
20	V1	20	-260	258	258	.	1	997	.	97	258	.	1
21	V1	21	-268	266	266	.	2	955	.	117	266	.	1
22	V1	22	-275	274	273	-1	1	857	.	86	273	.	1
23	V1	23	-284	283	281	-2	1	1000	.	83	281	.	1
24	V1	24	-418	418	418	.	1	997	.	83	418	.	1
25	V1	25	-306	305	304	-1	1	967	.	63	303	-1	1
26	V1	26	-311	310	309	-1	1	786	.	75	309	.	1
27	V1	27	-321	320	319	-1	1	994	.	130	319	.	1
28	V1	28	-332	331	331	.	1	993	.	129	331	.	1
29	V1	29	-333	332	332	.	1	976	.	97	333	1	1
30	V1	30	-327	326	326	.	1	927	.	78	326	.	1
31	V1	31	-311	310	309	-1	1	787	.	75	309	.	1
32	V1	32	-351	351	350	-1	1	997	.	63	350	.	1
33	V1	33	-378	378	377	-1	1	992	.	173	377	.	1
34	V1	34	-412	412	411	-1	1	992	.	58	411	.	1
35	V1	35	-384	384	383	-1	1	998	.	58	383	.	1
36	V1	36	-417	417	417	.	1	985	.	164	417	.	1
37	V1	37	-439	439	439	.	1	939	.	91	439	.	1
38	V1	38	-461	461	461	.	1	996	.	112	461	.	1
39	V1	39	-494	495	495	.	1	997	.	106	495	.	1
40	V1	40	-543	544	545	1	1	987	.	104	545	.	1
41	V1	41	-555	556	556	.	1	986	.	91	556	.	1

003121

003121

STANDARD REPORT

6539 212

SAMPLE ID. 50 PPB VOA STD

FILENAME S1014V01 PROCESSED 10/14/86

CLIENT EPA ANALYST PV

DATE INJECTED 10/14/86 10:12:00 VERIFIED BY

003122

PP#	CAS#	COMPOUNDS	SCAN#	AMOUNT	AREA	RRT	RF
		BROMOCHLOROMETHANE (IS1)	171	50	89628	1.000	0.999
		1,4-DIFLUOROBENZENE (IS2)	372	50	436126	1.000	0.999
		CHLOROBENZENE-D5 (IS3)	458	50	365863	1.000	0.999
		1,2-DICHLOROETHANE-D4 (SU1)	233	100	174111	1.363	0.971
		TOLUENE-D8 (SU2)	435	100	386615	0.950	0.528
		P-BROMOFLUOROBENZENE (SU3)	529	100	301267	1.155	0.412
		CHLOROMETHANE **	24	50	42029	0.140	0.469
		BROMOMETHANE	37	50	81757	0.216	0.912
		VINYL CHLORIDE *	47	50	60243	0.275	0.672
		CHLOROETHANE	62	50	46603	0.363	0.520
		METHYLENE CHLORIDE	100	50	128847	0.585	1.438
		ACETONE	116	50	8501	0.678	0.095
		CARBON DISULFIDE	129	50	246560	0.754	2.751
		1,1-DICHLOROETHENE *	159	50	115815	0.930	1.292
		1,1-DICHLOROETHANE **	188	50	236392	1.099	2.637
		TRANS-1,2-DICHLOROETHENE	205	50	142254	1.199	1.587
		CHLOROFORM *	220	50	279739	1.287	3.121
		1,2-DICHLOROETHANE	235	50	224262	1.374	2.502
		2-BUTANONE	235	50	11751	0.632	0.027
		1,1,1-TRICHLOROETHANE	260	50	235490	0.699	0.540
		CARBON TETRACHLORIDE	268	50	237876	0.720	0.545
		VINYL ACETATE	275	50	21805	0.739	0.050
		BROMODICHLOROMETHANE	284	50	247925	0.763	0.568
		1,1,2,2-TETRACHLOROETHANE **	418	50	198508	0.913	0.543
		1,2-DICHLOROPROPANE *	306	50	134204	0.823	0.308
		TRANS-1,3-DICHLOROPROPENE	311	50	291620	0.836	0.669
		TRICHLOROETHENE	321	50	180577	0.863	0.414
		DIBROMOCHLOROMETHANE	332	50	249311	0.892	0.572
		1,1,2-TRICHLOROETHANE	333	50	134494	0.895	0.308
		BENZENE	327	50	381968	0.879	0.876
		CIS-1,3-DICHLOROPROPENE	311	50	291620	0.836	0.669
		2-CHLOROETHYLVINYLETHER	351	50	56401	0.944	0.129
		BROMOFORM **	378	50	166191	1.016	0.381
		2-HEXANONE	412	50	50793	0.900	0.139
		4-METHYL-2-PENTANONE	384	50	51654	0.838	0.141
		TETRACHLOROETHENE	417	50	197029	0.910	0.539
		TOLUENE *	439	50	480710	0.959	1.314
		CHLOROBENZENE **	461	50	367423	1.007	1.004
		ETHYLBENZENE *	494	50	192467	1.079	0.526
		STYRENE	543	50	348779	1.186	0.953
		TOTAL XYLENES	555	50	569302	1.212	1.556

STANDARD REPORT

SAMPLE ID. S1014V00 10UL STD 100NG

FILENAME S1014V00 PROCESSED 10/14/86

CLIENT ACCUREX ANALYST PV

DATE INJECTED 10/14/86 11:50:00 VERIFIED BY

PP#	CAS#	COMPOUNDS	SCAN#	AMOUNT	AREA	RRT	RF
		BROMOCHLOROMETHANE (IS1)	171	50	33179	1.000	0.999
		1,4-DIFLUOROBENZENE (IS2)	370	50	164306	1.000	0.999
		CHLOROBENZENE-D5 (IS3)	458	50	142048	1.000	0.999
		1,2-DICHLOROETHANE-D4 (SU1)	230	100	61373	1.363	0.925
		TOLUENE-D8 (SU2)	434	100	150572	0.950	0.530
		P-BROMOFLUOROBENZENE (SU3)	529	100	121326	1.155	0.427
		CHLOROMETHANE **	24	20	10362	0.140	0.781
		BROMOMETHANE	37	20	12595	0.216	0.949
		VINYL CHLORIDE *	48	20	11102	0.275	0.837
		CHLOROETHANE	62	20	7589	0.363	0.572
		METHYLENE CHLORIDE	100	20	21021	0.585	1.584
		ACETONE	115	20	1420	0.678	0.107
		CARBON DISULFIDE	130	20	37926	0.754	2.858
		1,1-DICHLOROETHENE *	159	20	18836	0.930	1.419
		1,1-DICHLOROETHANE **	187	20	36582	1.099	2.756*
		TRANS-1,2-DICHLOROETHENE	204	20	23658	1.199	1.783
		CHLOROFORM *	218	20	44969	1.287	3.388
		1,2-DICHLOROETHANE	233	20	36068	1.374	2.718
		2-BUTANONE	232	20	1910	0.632	0.029
		1,1,1-TRICHLOROETHANE	257	20	38090	0.699	0.580
		CARBON TETRACHLORIDE	265	20	34484	0.720	0.525
		VINYL ACETATE	271	20	3031	0.739	0.046
		BROMODICHLOROMETHANE	280	20	37068	0.763	0.564
		1,1,2,2-TETRACHLOROETHANE **	417	20	35162	0.913	0.619*
		1,2-DICHLOROPROPANE *	303	20	22024	0.823	0.335
		TRANS-1,3-DICHLOROPROPENE	308	20	44133	0.836	0.672
		TRICHLOROETHENE	318	20	31212	0.863	0.475
		DIBROMOCHLOROMETHANE	330	20	37926	0.892	0.577
		1,1,2-TRICHLOROETHANE	331	20	24009	0.895	0.365
		BENZENE	325	20	62323	0.879	0.948
		CIS-1,3-DICHLOROPROPENE	308	20	44133	0.836	0.672
		2-CHLOROETHYLVINYLETHER	349	20	7968	0.944	0.121*
		BROMOFORM **	376	20	22517	1.016	0.343*
		2-HEXANONE	410	20	9284	0.900	0.163
		4-METHYL-2-PENTANONE	382	20	9151	0.838	0.161
		TETRACHLOROETHENE	416	20	36887	0.910	0.649
		TOLUENE *	438	20	84974	0.959	1.496
		CHLOROBENZENE **	460	20	63919	1.007	1.125*
		ETHYLBENZENE *	494	20	34618	1.079	0.609
		STYRENE	544	20	61089	1.186	1.075
		TOTAL XYLENES	555	20	100280	1.212	1.765

003123

003123

PROCEDURE: TCA DIAGNOSTIC REPORT 10/14/8_ 12:19:5

DATA FILE: S1014V006

REFERENCE: VQ

METHOD: VQN INITIALIZATION OPTION: 2 PROCESSING OPTION: 3

REPORT: VQSTDS

STANDARDS PROC	STANDARDS USED	STANDARDS POSS	STANDARDS RMS	PLUS UNKNOWNS PROC	PLUS UNKNOWNS USED	PLUS UNKNOWNS POSS	PLUS UNKNOWNS RMS	LIST NAMES STANDARD/UNKNOWN
6	6	1	132	18	18	5	117	VQSTDS/VQ1
6	6	1	132	18	18	4	105	VQSTDS/VQ2
6	6	1	132	17	17	1	98	VQSTDS/VQ3

41 COMPOUNDS PROCESSED, 41 FOUND

COMPOUND NO	LIB	ENTRY	SEARCH REF	SEARCH PRED	SEARCH SEL	SEARCH DELTA	SAT PEAKS	SAT FIT	CHRO M/E	CHRO TOP	CHRO DELTA	CHRO PEAKS
1	V1	1	-171	169	171	2	1	989	128	171	.	
2	V1	2	-372	371	370	-1	1	997	114	370	.	
3	V1	3	-458	457	458	1	1	935	117	458	.	
4	V1	4	-233	232	230	-2	1	991	65	230	.	
5	V1	5	-435	434	434	.	1	994	98	434	.	
6	V1	6	-529	529	529	.	1	949	95	529	.	
7	V1	7	-24	24	24	.	1	997	50	24	.	
8	V1	8	-37	37	37	.	1	998	94	37	.	
9	V1	9	-47	47	48	1	1	997	62	48	.	
10	V1	10	-62	62	62	.	1	996	64	62	.	
11	V1	11	-100	100	100	.	1	995	84	100	.	
12	V1	12	-116	116	115	-1	5	984	58	115	.	
13	V1	13	-129	129	130	1	1	942	76	130	.	
14	V1	14	-159	158	159	1	1	995	96	159	.	
15	V1	15	-188	187	187	.	1	996	63	187	.	
16	V1	16	-205	204	204	.	1	993	96	204	.	
17	V1	17	-220	219	218	-1	1	1000	83	218	.	
18	V1	18	-235	234	232	-2	1	948	62	233	1	
19	V1	19	-235	232	232	.	1	997	72	232	.	
20	V1	20	-260	257	257	.	1	997	97	257	.	
21	V1	21	-268	265	265	.	2	952	117	265	.	
22	V1	22	-275	272	272	.	2	855	86	271	-1	
23	V1	23	-284	282	280	-2	1	996	83	280	.	
24	V1	24	-418	417	417	.	1	998	83	417	.	
25	V1	25	-306	304	303	-1	1	964	63	303	.	
26	V1	26	-311	309	308	-1	1	789	75	308	.	
27	V1	27	-321	319	318	-1	1	994	130	318	.	
28	V1	28	-332	330	330	.	1	992	129	330	.	
29	V1	29	-333	331	331	.	1	972	97	331	.	
30	V1	30	-327	325	325	.	1	926	78	325	.	
31	V1	31	-311	309	308	-1	1	786	75	308	.	
32	V1	32	-351	350	349	-1	1	979	63	349	.	
33	V1	33	-378	377	376	-1	1	993	173	376	.	
34	V1	34	-412	411	410	-1	1	990	58	410	.	
35	V1	35	-384	383	382	-1	1	996	58	382	.	
36	V1	36	-417	416	416	.	1	991	164	416	.	
37	V1	37	-439	438	438	.	1	938	91	438	.	
38	V1	38	-461	460	460	.	1	991	112	460	.	
39	V1	39	-494	493	494	1	1	997	106	494	.	
40	V1	40	-543	543	544	1	1	986	104	544	.	
41	V1	41	-555	555	555	.	1	989	91	555	.	

CALIBRATION CHECK - SEMIVOLATILE HSL COMPOUNDS

CASE NO. 6538 CONTRACT LAB: ACUREX

CONTRACT NO. - 68-01-7142 INSTRUMENT IDENTIFIER: 4500

CALIBRATION DATE: 10/16/86

STANDARD FILE: S1208C01

DATE: 12/8/86 TIME: 10:20

MINIMUM RF FOR SPCC IS .0500

MAXIMUM % D FOR CCC IS 25%

COMPOUND		MEAN RF(I)	RF(O)	% D	
PHENOL	*	2.085	2.065	0.952	
BIS(2-CHLOROETHYL)ETHER		1.714	1.894	-10.469	
2-CHLOROPHENOL		1.430	1.432	-0.097	
1,3-DICHLOROBENZENE		1.529	1.498	2.064	
1,4-DICHLOROBENZENE	*	1.692	1.717	-1.442	
BENZYL ALCOHOL		0.992	1.337	-34.859	
1,2-DICHLOROBENZENE		1.591	1.551	2.530	
2-METHYLPHENOL		1.451	1.337	7.814	
BIS(2-CHLOROISOPROPYL)ETHER		0.417	0.409	1.736	
4-METHYLPHENOL		1.519	1.272	16.251	
N-NITROSO-DI-N-PROPYLAMINE	**	0.270	0.244	9.584	
HEXACHLOROETHANE		0.572	0.589	-2.889	
NITROBENZENE		0.188	0.178	4.959	
ISOPHORONE		0.122	0.119	2.107	
2-NITROPHENOL	*	0.186	0.155	16.803	
2,4-DIMETHYLPHENOL		0.328	0.292	11.178	
BENZOIC ACID		0.168	0.105	37.388	
BIS(2-CHLOROETHOXY)METHANE		0.469	0.478	-1.851	
2,4-DICHLOROPHENOL		0.271	0.232	14.184	
1,2,4-TRICHLOROBENZENE		0.271	0.276	-1.839	
NAPHTHALENE		0.966	1.045	-8.176	
4-CHLOROANILINE		0.085	0.044	47.781	
HEXACHLOROBUTADIENE	*	0.129	0.135	-4.216	
4-CHLORO-3-METHYLPHENOL	*	0.260	0.281	-8.213	
2-METHYLNAPHTHALENE		0.499	0.562	-12.674	
HEXACHLOROCYCLOPENTADIENE	**	0.241	0.229	4.986	
2,4,6-TRICHLOROPHENOL	*	0.422	0.370	12.329	
2,4,5-TRICHLOROPHENOL		0.323	0.380	-17.795	
2-CHLORONAPHTHALENE		1.219	1.296	-6.268	
2-NITROANILINE		0.467	0.429	8.088	
DIMETHYL PHTHALATE		1.154	1.378	-19.343	
ACENAPHTHYLENE		1.861	2.008	-7.876	
3-NITROANILINE		0.139	0.021	84.598	
ACENAPHTHENE	*	1.246	1.284	-3.049	
2,4-DINITROPHENOL	**	0.107	0.087	18.302	
4-NITROPHENOL	**	0.087	0.082	6.152	
DIBENZOFURAN		1.658	1.739	-4.895	
2,4-DINITROTOLUENE		0.370	0.401	-8.368	
2,6-DINITROTOLUENE		0.300	0.317	-5.424	
DIETHYL PHTHALATE		1.209	1.424	-17.749	
4-CHLOROPHENYL-PHENYLETHER		0.596	0.615	-3.152	
FLUORENE		1.383	1.459	-5.501	
4-NITROANILINE		0.088	0.057	35.751	
4,6-DINITRO-2-METHYLPHENOL		0.083	0.075	9.939	
N-NITROSODIPHENYLAMINE	*	0.376	0.319	15.097	
4-BROMOPHENYL-PHENYLETHER		0.195	0.188	3.506	
HEXACHLOROBENZENE		0.212	0.206	2.842	
PENTACHLOROPHENOL	*	0.129	0.114	11.538	
PHENANTHRENE		1.133	1.130	0.290	
ANTHRACENE		1.058	1.043	1.429	

DI-N-BUTYLPHTHALATE		1.322	1.451	-9.770	
FLUORANTHENE	*	1.064	1.120	-5.241	*
PYRENE		2.051	1.884	8.140	
BUTYLBENZYLPHTHALATE		0.946	0.891	5.722	
3,3'-DICHLOROBENZIDINE		0.061	0.025	59.333	
BENZO(A)ANTHRACENE		1.458	1.325	9.085	
BIS(2-ETHYLHEXYL)PHTHALATE		1.259	1.188	5.638	
CHRYSENE		1.189	1.218	-2.389	
DI-N-OCTYL PHTHALATE	*	2.276	2.496	-9.673	*
BENZO(B)FLUORANTHENE		1.318	1.279	2.989	
BENZO(K)FLUORANTHENE		1.135	1.303	-14.824	
BENZO(A)PYRENE	*	1.082	1.090	-0.762	*
INDENO(1,2,3-CD)PYPENE		1.060	1.178	-11.170	
DIBENZO(A,H)ANTHRACENE		0.859	0.919	-6.945	
BENZO(GHI)PERYLENE		0.901	0.960	-6.490	

CALIBRATION CHECK - SEMIVOLATILE HSL COMPOUNDS

CASE NO. 6538 CONTRACT LAB: ACUREX

CONTRACT NO. - 68-01-7442 INSTRUMENT IDENTIFIER: 4500

CALIBRATION DATE: 10/16/86

STANDARD FILE: S1205C01

DATE: 12/05/86 TIME: 9:50

MINIMUM RF FOR SPCC IS .0500

MAXIMUM % D FOR CCC IS 25%

COMPOUND		MEAN RF(I)	RF(0)	% D	
PHENOL	*	2.085	2.214	-6.156	
BIS(2-CHLOROETHYL)ETHER		1.714	2.005	-16.943	
2-CHLOROPHENOL		1.430	1.491	-4.262	
1,3-DICHLOROBENZENE		1.529	1.522	0.438	
1,4-DICHLOROBENZENE	*	1.692	1.773	-4.775	
BENZYL ALCOHOL		0.992	1.373	-38.438	
1,2-DICHLOROBENZENE		1.591	1.581	0.641	
2-METHYLPHENOL		1.451	1.373	5.368	
BIS(2-CHLOROISOPROPYL)ETHER		0.417	0.420	-0.744	
4-METHYLPHENOL		1.519	1.337	11.986	
N-NITROSO-DI-N-PROPYLAMINE	**	0.270	0.244	9.865	
HEXACHLOROETHANE		0.572	0.589	-3.017	
NITROBENZENE		0.188	0.192	-2.430	
ISOPHORONE		0.122	0.122	-0.482	
2-NITROPHENOL	*	0.186	0.158	14.886	
2,4-DIMETHYLPHENOL		0.328	0.300	8.643	
BENZOIC ACID		0.168	0.103	38.154	
BIS(2-CHLOROETHOXY)METHANE		0.469	0.500	-6.600	
2,4-DICHLOROPHENOL		0.271	0.239	11.638	
1,2,4-TRICHLOROBENZENE		0.271	0.268	0.879	
NAPHTHALENE		0.966	1.065	-10.304	
4-CHLOROANILINE		0.085	0.035	58.428	
HEXACHLOROBUTADIENE	*	0.129	0.125	3.170	
4-CHLORO-3-METHYLPHENOL	*	0.260	0.282	-8.382	
2-METHYLNAPHTHALENE		0.499	0.563	-12.955	
HEXACHLOROCYCLOPENTADIENE	**	0.241	0.218	9.491	
2,4,6-TRICHLOROPHENOL	*	0.422	0.359	14.965	
2,4,5-TRICHLOROPHENOL		0.323	0.365	-13.133	
2-CHLORONAPHTHALENE		1.219	1.295	-6.188	
2-NITROANILINE		0.467	0.390	16.505	
DIMETHYL PHTHALATE		1.154	1.388	-20.248	
ACENAPHTHYLENE		1.861	2.061	-10.709	
3-NITROANILINE		0.139	0.001	98.695	
ACENAPHTHENE	*	1.246	1.297	-4.049	
2,4-DINITROPHENOL	**	0.107	0.082	22.930	
4-NITROPHENOL	**	0.087	0.079	10.090	
DIBENZOFURAN		1.658	1.734	-4.580	
2,4-DINITROTOLUENE		0.370	0.388	-4.642	
2,6-DINITROTOLUENE		0.300	0.313	-4.374	
DIETHYL PHTHALATE		1.209	1.441	-19.178	
4-CHLOROPHENYL-PHENYLETHER		0.596	0.607	-1.830	
FLUORENE		1.383	1.472	-6.419	
4-NITROANILINE		0.088	0.078	11.357	
4,6-DINITRO-2-METHYLPHENOL		0.083	0.070	15.314	
N-NITROSODIPHENYLAMINE	*	0.376	0.297	20.851	
4-BROMOPHENYL-PHENYLETHER		0.195	0.174	10.738	
HEXACHLOROBENZENE		0.212	0.188	11.652	
PENTACHLOROPHENOL	*	0.129	0.103	19.960	
PHENANTHRENE		1.133	1.143	-0.908	
ANTHRACENE		1.058	1.025	3.074	

CCC *
SPCC **

DI-N-BUTYLPHTHALATE		1.322	1.423	-7.698	
FLUORANTHENE	*	1.064	1.141	-7.279	*
PYRENE		2.051	1.970	3.946	
BUTYLBENZYLPHTHALATE		0.946	0.918	2.920	
3,3'-DICHLOROBENZIDINE		0.061	0.029	51.436	
BENZO(A)ANTHRACENE		1.458	1.329	8.810	
BIS(2-ETHYLHEXYL)PHTHALATE		1.259	1.276	-1.331	
CHRYSENE		1.189	1.230	-3.381	
DI-N-OCTYL PHTHALATE	*	2.276	2.595	-14.027	*
BENZO(B)FLUORANTHENE		1.318	1.467	-11.295	
BENZO(K)FLUORANTHENE		1.135	1.123	1.062	
BENZO(A)PYRENE	*	1.082	1.071	0.953	*
INDENO(1,2,3-CD)PYRENE		1.060	1.212	-14.349	
DIBENZO(A,H)ANTHRACENE		0.859	0.949	-10.439	
BENZO(GHI)PERYLENE		0.901	0.983	-9.070	

6538 202

CALIBRATION CHECK - VOLATILE HSL COMPOUNDS

CASE NO. - 6538 CONTRACT LAB: ACUREX

CONTRACT NO. 68-01-7142 INSTRUMENT IDENTIFIER: FINN 1020

CALIBRATION DATE: 10/14/86

STANDARD FILE: S1201V01

DATE: 12/01/86 TIME: 8:4

MINIMUM RF FOR SPCC IS .300*

MAXIMUM % D FOR CCC IS 25%*

CCC *
SPCC **

COMPOUND		MEAN RF(I)	RF(O)	% D	
CHLOROMETHANE	**	0.613	0.639	-4.258	**
BROMOMETHANE		0.875	0.608	30.440	
VINYL CHLORIDE	*	0.738	0.683	7.515	*
CHLOROETHANE		0.484	0.442	8.699	
METHYLENE CHLORIDE		1.317	1.061	19.428	
ACETONE		0.082	0.075	7.865	
CARBON DISULFIDE		2.515	2.095	16.685	
1,1-DICHLOROETHENE	*	1.145	1.081	5.614	*
1,1-DICHLOROETHANE	**	2.382	2.205	7.405	**
TRANS-1,2-DICHLOROETHENE		1.510	1.309	13.302	
CHLOROFORM	*	2.938	2.550	13.200	*
1,2-DICHLOROETHANE		2.316	1.974	14.757	
2-BUTANONE		0.023	0.024	-5.397	
1,1,1-TRICHLOROETHANE		0.489	0.426	12.882	
CARBON TETRACHLORIDE		0.488	0.451	7.501	
VINYL ACETATE		0.044	0.047	-7.091	
BROMODICHLOROMETHANE		0.511	0.518	-1.270	
1,1,2,2-TETRACHLOROETHANE	**	0.496	0.499	-0.601	**
1,2-DICHLOROPROPANE	*	0.295	0.286	3.218	*
TRANS-1,3-DICHLOROPROPENE		0.596	0.647	-8.641	
TRICHLOROETHENE		0.386	0.415	-7.522	
DIBROMOCHLOROMETHANE		0.525	0.562	-7.110	
1,1,2-TRICHLOROETHANE		0.293	0.286	2.562	
BENZENE		0.771	0.841	-9.058	
CIS-1,3-DICHLOROPROPENE		0.596	0.501	15.852	
2-CHLOROETHYL VINYLETHER		0.113	0.027	75.983	
BROMOFORM	**	0.345	0.389	-12.779	**
2-HEXANONE		0.124	0.113	8.804	
4-METHYL-2-PENTANONE		0.125	0.121	3.447	
TETRACHLOROETHENE		0.511	0.513	-0.472	
TOLUENE	*	1.219	1.172	3.874	*
CHLOROBENZENE	**	0.940	0.895	4.826	**
ETHYLBENZENE	*	0.497	0.458	7.842	*
STYRENE		0.907	0.899	0.853	
TOTAL XYLENES		1.451	1.334	8.066	

6538 20.)

CALIBRATION CHECK - VOLATILE HSL COMPOUNDS

CASE NO. - 6538 CONTRACT LAB: ACUREX

CONTRACT NO. 68-01-7142 INSTRUMENT IDENTIFIER: FINN 1020

CALIBRATION DATE: 10/14/86

STANDARD FILE: S1202V02

DATE: 12/02/86 TIME: 7:55

MINIMUM RF FOR SPCC IS .300 **

MAXIMUM % D FOR CCC IS 25% *

CCC *
SPCC **

COMPOUND		MEAN RF(I)	RF(O)	% D	
CHLOROMETHANE	**	0.613	0.687	-12.082	**
BROMOMETHANE		0.875	0.566	35.333	
VINYL CHLORIDE	*	0.738	0.641	13.167	*
CHLOROETHANE		0.484	0.410	15.277	
METHYLENE CHLORIDE		1.317	1.022	22.378	
ACETONE		0.082	0.066	19.371	
CARBON DISULFIDE		2.515	1.662	33.922	
1,1-DICHLOROETHENE	*	1.145	1.067	6.806	*
1,1-DICHLOROETHANE	**	2.382	2.115	11.199	**
TRANS-1,2-DICHLOROETHENE		1.510	1.374	9.016	
CHLOROFORM	*	2.938	2.489	15.298	*
1,2-DICHLOROETHANE		2.316	1.766	23.740	
2-BUTANONE		0.023	0.026	-13.043	
1,1,1-TRICHLOROETHANE		0.48[illegible]	0.376	22.921	
CARBON TETRACHLORIDE		0.488	0.418	14.421	
VINYL ACETATE		0.044	0.051	-15.987	
BROMODICHLOROMETHANE		0.511	0.486	4.947	
1,1,2,2-TETRACHLOROETHANE	**	0.496	0.546	-10.081	**
1,2-DICHLOROPROPANE	*	0.295	0.298	-0.833	*
TRANS-1,3-DICHLOROPROPENE		0.596	0.624	-4.777	
TRICHLOROETHENE		0.386	0.418	-8.440	
DIBROMOCHLOROMETHANE		0.525	0.534	-1.763	
1,1,2-TRICHLOROETHANE		0.293	0.294	-0.061	
BENZENE		0.771	0.850	-10.216	
CIS-1,3-DICHLOROPROPENE		0.596	0.467	21.672	
2-CHLOROETHYL VINYLETHER		0.113	0.036	67.727	
BROMOFORM	**	0.345	0.354	-2.379	**
2-HEXANONE		0.124	0.129	-3.805	
4-METHYL-2-PENTANONE		0.125	0.122	2.877	
TETRACHLOROETHENE		0.511	0.486	4.913	
TOLUENE	*	1.219	1.197	1.756	*
CHLOROBENZENE	**	0.940	0.937	0.364	**
ETHYLBENZENE	*	0.497	0.463	6.701	*
STYRENE		0.907	0.959	-5.807	
TOTAL XYLENES		1.451	1.249	13.915	

INITIAL CALIBRATION DATA - SEMIVOLATILE HSL COMPOUNDS

6538 200

ASE NO. - 6538
ONTRACT NO. - 10/16/86
CAL BRATION DATE: ~~10/17/86~~
MINIMUM MEAN RF FOR SPCC IS 0.05
MAXIMUM %RSD FOR CCC IS 30%

CONTRACT LAB: ACUREX
INSTRUMENT IDENTIFIER: 4500

003131

ABORATORY ID	S1016C05	S1016C04	S1016C03	S1016C02	S1016C01			
COMPOUND	RF 20NG	RF 50NG	RF 80NG	RF 120NG	RF 160NG	MEAN RF	%RSD	CC SPCC
HENOL	*2.135	2.084	2.086	2.121	2.000	2.085	2.2	*
IS(2-CHLOROETHYL)ETHER	1.686	1.644	1.730	1.762	1.750	1.714	2.5	
-CHLOROPHENOL	1.403	1.459	1.441	1.434	1.414	1.430	1.3	
,3-DICHLOROBENZENE	1.480	1.545	1.493	1.607	1.521	1.529	2.9	
,4-DICHLOROBENZENE	*1.725	1.734	1.669	1.659	1.673	1.692	1.8	*
ENZYL ALCOHOL	0.905	1.044	1.018	1.028	0.963	0.992	5.1	
,2-DICHLOROBENZENE	1.536	1.651	1.588	1.594	1.586	1.591	2.2	
METHYLPHENOL	1.452	1.537	1.423	1.420	1.422	1.451	3.0	
IS(2-CHLOROISOPROPYL)ETHER	0.410	0.428	0.411	0.412	0.423	0.417	1.7	
4-METHYLPHENOL	1.424	1.531	1.506	1.562	1.572	1.519	3.4	
N-NITROSO-DI-N-PROPYLAMINE	**0.240	0.275	0.270	0.272	0.295	0.270	6.4	**
EXACHLOROETHANE	0.527	0.578	0.571	0.594	0.591	0.572	4.1	
NITROBENZENE	0.182	0.188	0.190	0.195	0.185	0.188	2.3	
ISOPHORONE	0.122	0.129	0.121	0.117	0.118	0.122	3.5	
-NITROPHENOL	*0.163	0.183	0.181	0.204	0.200	0.186	7.9	*
,4-DIMETHYLPHENOL	0.292	0.340	0.334	0.338	0.338	0.328	5.6	
ENZOIC ACID	0.150	0.130	0.119	0.211	0.226	0.168	25.6	
IS(2-CHLOROETHOXY)METHANE	0.456	0.487	0.469	0.471	0.464	0.469	2.1	
2,4-DICHLOROPHENOL	0.248	0.277	0.274	0.279	0.276	0.271	4.1	
1,2,4-TRICHLOROBENZENE	0.260	0.272	0.267	0.279	0.275	0.271	2.4	
NAPHTHALENE	0.998	1.025	0.972	0.397	0.936	0.966	4.6	
-CHLOROANILINE	0.063	0.078	0.065	0.115	0.104	0.085	24.2	
EXACHLOROBUTADIENE	*0.120	0.129	0.131	0.133	0.133	0.129	3.7	*
-CHLORO-3-METHYLPHENOL	*0.236	0.268	0.263	0.260	0.274	0.260	5.0	*
2-METHYLNAPHTHALENE	0.467	0.508	0.502	0.497	0.520	0.499	3.5	
EXACHLOROCYCLOPENTADIENE	**0.196	0.227	0.212	0.279	0.289	0.241	15.3	**
2,4,6-TRICHLOROPHENOL	*0.345	0.386	0.390	0.440	0.547	0.422	16.4	*
2,4,5-TRICHLOROPHENOL	0.321	0.354	0.361	0.336	0.242	0.323	13.2	
2-CHLORONAPHTHALENE	1.173	1.238	1.225	1.248	1.211	1.219	2.1	
2-NITROANILINE	0.402	0.480	0.480	0.498	0.475	0.467	7.1	
DIMETHYL PHTHALATE	1.201	1.254	1.269	1.228	0.819	1.154	14.6	
ACENAPHTHYLENE	1.950	1.966	1.849	1.747	1.795	1.861	4.5	
3-NITROANILINE	0.000	0.153	0.132	0.140	0.129	0.139	6.6	
ACENAPHTHENE	*1.222	1.260	1.252	1.240	1.257	1.246	1.1	*
,4-DINITROPHENOL	**0.000	0.084	0.085	0.124	0.134	0.107	20.8	**
-NITROPHENOL	**0.000	0.077	0.082	0.097	0.094	0.087	9.3	**
IBENZOFURAN	1.625	1.669	1.671	1.679	1.646	1.658	1.1	
2,4-DINITROTOLUENE	0.348	0.381	0.385	0.383	0.356	0.370	4.1	
,6-DINITROTOLUENE	0.291	0.278	0.317	0.305	0.311	0.300	4.7	
IETHYL PHTHALATE	1.223	1.229	1.166	1.230	1.199	1.209	2.0	
-CHLOROPHENYL-PHENYLETHER	0.579	0.598	0.609	0.600	0.596	0.596	1.6	
LUORENE	1.342	1.421	1.418	1.371	1.362	1.383	2.2	
4-NITROANILINE	0.082	0.105	0.085	0.101	0.069	0.088	14.7	
4,6-DINITRO-2-METHYLPHENOL	0.066	0.076	0.071	0.097	0.105	0.083	18.1	
N-NITROSODIPHENYLAMINE	*0.447	0.338	0.313	0.360	0.420	0.376	13.3	*
4-BROMOPHENYL-PHENYLETHER	0.181	0.192	0.189	0.203	0.209	0.195	5.0	
EXACHLOROBENZENE	0.195	0.208	0.215	0.219	0.224	0.212	4.7	
ENTACHLOROPHENOL	*0.000	0.130	0.138	0.145	0.100	0.129	13.3	*
PHENANTHRENE	1.093	1.153	1.159	1.097	1.163	1.133	2.7	

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NTHRACENE	1.099	1.101	1.043	1.018	1.027	1.058	3.3
I-N-BUTYLPHTHALATE	1.370	1.402	1.301	1.254	1.281	1.322	4.2
UORANTHENE	*1.086	1.118	1.078	1.033	1.005	1.064	3.7 *
RENE	1.937	2.200	1.855	2.147	2.115	2.051	6.4
UTYLBENZYLPHTHALATE	0.846	0.955	0.884	0.989	1.054	0.946	7.8
3'-DICHLOROBENZIDINE	0.049	0.049	0.049	0.065	0.093	0.061	27.7
BENZO(A)ANTHRACENE	1.306	1.343	1.321	1.490	1.829	1.458	13.5
IS(2-ETHYLHEXYL)PHTHALATE	1.139	1.233	1.164	1.369	1.389	1.259	8.1
HRYSENE	1.198	1.204	1.210	1.210	1.125	1.189	2.7
DI-N-OCTYL PHTHALATE	*2.181	2.328	2.245	2.339	2.284	2.276	2.5 *
BENZO(B)FLUORANTHENE	1.232	1.309	1.323	1.457	1.272	1.318	5.7
BENZO(K)FLUORANTHENE	1.083	1.098	1.075	0.993	1.425	1.135	13.1
ENZO(A)PYRENE	*1.021	1.090	1.078	1.103	1.116	1.082	3.0 *
NDENO(1,2,3-CD)PYRENE	0.992	1.062	1.105	0.986	1.152	1.060	6.0
BENZO(A,H)ANTHRACENE	0.776	0.862	0.898	0.901	0.861	0.859	5.2
BENZO(GHI)PERYLENE	0.840	0.935	0.943	0.939	0.850	0.901	5.1

003132

INITIAL CALIBRATION DATA - VOLATILE HSL COMPOUNDS

6538 105

CASE NO. - 6538 CONTRACT LAB: ACUREX
CONTRACT NO. 68-01-7142 INSTRUMENT IDENTIFIER: FINN 1020
CALIBRATION DATE: 10/14/86
MINIMUM MEAN RF FOR SPCC IS .300
MAXIMUM %RSD FOR CCC IS 30%

003133

LABORATORY ID		S1014V00	S1014V01	S1014	S1014V05	S1014V03			CCC SPCC
COMPOUND	RF ~~20NG~~ 20 PPB	RF ~~50NG~~ 50 PPB	RF ~~80NG~~ 100 PPB	RF ~~120NG~~ 150 PPB	RF ~~160NG~~ 200 PPB	MEAN RF	%RSD	
CHLOROMETHANE	**0.781	0.469	0.533	0.608	0.676	0.613	17.7	**
BROMOMETHANE	0.949	0.912	0.803	0.792	0.918	0.875	7.3	
VINYL CHLORIDE	*0.837	0.672	0.648	0.684	0.850	0.738	11.7	*
CHLOROETHANE	0.572	0.520	0.409	0.426	0.494	0.484	12.4	
METHYLENE CHLORIDE	1.584	1.438	1.102	1.124	1.336	1.317	13.9	
ACETONE	0.107	0.095	0.072	0.065	0.070	0.082	19.8	
CARBON DISULFIDE	2.858	2.751	2.177	2.190	2.598	2.515	11.2	
1,1-DICHLOROETHENE	*1.419	1.292	0.744	1.041	1.229	1.145	20.4	*
1,1-DICHLOROETHANE	**2.756	2.637	2.055	2.021	2.437	2.382	12.5	**
TRANS-1,2-DICHLOROETHENE	1.783	1.587	1.351	1.316	1.516	1.510	11.2	
CHLOROFORM	*3.388	3.121	2.592	2.556	3.033	2.938	10.8	*
1,2-DICHLOROETHANE	2.718	2.502	2.067	2.021	2.272	2.316	11.3	
2-BUTANONE	0.029	0.027	0.021	0.018	0.021	0.023	17.9	
1,1,1-TRICHLOROETHANE	0.580	0.540	0.430	0.409	0.484	0.489	13.1	
CARBON TETRACHLORIDE	0.525	0.545	0.429	0.424	0.516	0.488	10.4	
VINYL ACETATE	0.046	0.050	0.039	0.038	0.046	0.044	10.6	
BROMODICHLOROMETHANE	0.564	0.568	0.458	0.440	0.524	0.511	10.3	
1,1,2,2-TETRACHLOROETHANE	**0.619	0.543	0.454	0.412	0.455	0.496	15.0	**
1,2-DICHLOROPROPANE	*0.335	0.308	0.297	0.236	0.301	0.295	11.0	*
TRANS-1,3-DICHLOROPROPENE	0.672	0.669	0.527	0.516	0.596	0.596	11.1	
TRICHLOROETHENE	0.475	0.414	0.343	0.327	0.368	0.386	13.8	
DIBROMOCHLOROMETHANE	0.577	0.572	0.495	0.467	0.515	0.525	8.2	
1,1,2-TRICHLOROETHANE	0.365	0.308	0.284	0.243	0.267	0.293	14.2	
BENZENE	0.948	0.876	0.676	0.625	0.729	0.771	15.8	
CIS-1,3-DICHLOROPROPENE	0.672	0.669	0.527	0.516	0.596	0.596	11.1	
2-CHLOROETHYLVINYLETHER	0.121	0.129	0.100	0.099	0.117	0.113	10.6	
BROMOFORM	**0.343	0.381	0.328	0.313	0.362	0.345	7.0	**
2-HEXANONE	0.163	0.139	0.112	0.097	0.109	0.124	19.2	
4-METHYL-2-PENTANONE	0.161	0.141	0.112	0.098	0.115	0.125	17.9	
TETRACHLOROETHENE	0.649	0.539	0.458	0.431	0.477	0.511	15.2	
TOLUENE	*1.496	1.314	1.072	1.023	1.190	1.219	14.0	*
CHLOROBENZENE	**1.125	1.004	0.840	0.804	0.928	0.940	12.2	**
ETHYLBENZENE	*0.609	0.526	0.438	0.417	0.493	0.497	13.7	*
STYRENE	1.075	0.953	0.816	0.790	0.898	0.907	11.2	
TOTAL XYLENES	1.765	1.556	1.299	1.236	1.400	1.451	13.1	

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Environmental Protection Agency. CLP Sample Management Office,
P. O. Box 818, Alexandria, Virginia 22313 703/557-2490

Sample Number

Organics Analysis Data Sheet
(Page 2)

Instrument Detection Limits

Semivolatile Compounds

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: _____

Date Analyzed: _____

Conc/Dil Factor: _____

CAS Number		ug/l or ug/Kg (Circle One)
62-75-9	N-Nitrosodimethylamine	10
108-95-2	Phenol	3.9
62-53-3	Aniline	7.5
111-44-4	bis(-2-Chloroethyl)Ether	1.7
95-57-8	2-Chlorophenol	0.4
541-73-1	1, 3-Dichlorobenzene	1.2
106-46-7	1, 4-Dichlorobenzene	1.1
100-51-6	Benzyl Alcohol	6.1
95-50-1	1, 2-Dichlorobenzene	1.9
95-48-7	2-Methylphenol	5
39638-32-9	bis(2-chloroisopropyl)Ether	2.5
106-44-5	4-Methylphenol	5
621-64-7	N-Nitroso-Di-n-Propylamine	10
67-72-1	Hexachloroethane	3.4
98-95-3	Nitrobenzene	0.8
78-59-1	Isophorone	0.3
88-75-5	2-Nitrophenol	1.5
105-67-9	2, 4-Dimethylphenol	3.6
65-85-0	Benzoic Acid	100
111-91-1	bis(-2-Chloroethoxy)Methane	1.9
120-83-2	2, 4-Dichlorophenol	1.4
120-82-1	1, 2, 4-Trichlorobenzene	1.3
91-20-3	Naphthalene	0.1
106-47-8	4-Chloroaniline	3.3
87-68-3	Hexachlorobutadiene	3.5
59-50-7	4-Chloro-3-Methylphenol	2
91-57-6	2-Methylnaphthalene	2.5
77-47-4	Hexachlorocyclopentadiene	10
88-06-2	2, 4, 6-Trichlorophenol	0.8
95-95-4	2, 4, 5-Trichlorophenol	0.2
91-58-7	2-Chloronaphthalene	1.5
88-74-4	2-Nitroaniline	2.3
131-11-3	Dimethyl Phthalate	1.5
208-96-8	Acenaphthylene	0.3
99-09-2	3-Nitroaniline	4.1

CAS Number		ug/l or ug/Kg (Circle One)
83-32-9	Acenaphthene	2.7
51-28-5	2, 4-Dinitrophenol	10
100-02-7	4-Nitrophenol	6.5
132-64-9	Dibenzofuran	2.8
121-14-2	2, 4-Dinitrotoluene	10
606-20-2	2, 6-Dinitrotoluene	5.1
84-66-2	Diethylphthalate	1.7
7005-72-3	4-Chlorophenyl-phenylether	0.3
86-73-7	Fluorene	1.3
100-01-6	4-Nitroaniline	6.3
534-52-1	4, 6-Dinitro-2-Methylphenol	10
86-30-6	N-Nitrosodiphenylamine (1)	10
101-55-3	4-Bromophenyl-phenylether	3.0
118-74-1	Hexachlorobenzene	2.2
87-86-5	Pentachlorophenol	10
85-01-8	Phenanthrene	0.7
120-12-7	Anthracene	0.5
84-74-2	Di-n-Butylphthalate	1.6
206-44-0	Fluoranthene	0.7
92-87-5	Benzidine	10
129-00-0	Pyrene	1.0
85-68-7	Butylbenzylphthalate	11.2
91-94-1	3, 3'-Dichlorobenzidine	3.6
56-55-3	Benzo(a)Anthracene	5
117-81-7	bis(2-Ethylhexyl)Phthalate	5.0
218-01-9	Chrysene	0.5
117-84-0	Di-n-Octyl Phthalate	2.4
205-99-2	Benzo(b)Fluoranthene	5
207-08-9	Benzo(k)Fluoranthene	0.1
50-32-8	Benzo(a)Pyrene	0.2
193-39-5	Indeno(1, 2, 3-cd)Pyrene	5
53-70-3	Dibenz(a, h)Anthracene	0.4
191-24-2	Benzo(g, h, i)Perylene	5

(1)-Cannot be separated from diphenylamine

Environmental Protection Agency. CLP Sample Management Office.
P O Box 818. Alexandria, Virginia 22313 703/557-2490

Sample Number

Organics Analysis Data Sheet
(Page 1)

6538 197

Laboratory Name: Acurex
Case No:
Lab Sample ID No:
QC Report No:
Sample Matrix:
Contract No:
Data Release Authorized By:
Date Sample Received:

Instrument Detection Limits

Volatile Compounds

Concentration: Low Medium (Circle One)
Date Extracted/Prepared:
Date Analyzed:
Conc/Dil Factor: pH
Percent Moisture:
Percent Moisture (Decanted):

CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	2.9
74-83-9	Bromomethane	3.1
75-01-4	Vinyl Chloride	4.3
75-00-3	Chloroethane	3.1
75-09-2	Methylene Chloride	1.1
67-64-1	Acetone	5
75-15-0	Carbon Disulfide	1
75-35-4	1, 1-Dichloroethene	5.7
75-34-3	1, 1-Dichloroethane	3.6
156-60-5	Trans-1, 2-Dichloroethene	4.3
67-66-3	Chloroform	1.9
107-06-2	1, 2-Dichloroethane	3.3
78-93-3	2-Butanone	5
71-55-6	1, 1, 1-Trichloroethane	2.2
56-23-5	Carbon Tetrachloride	5.2
108-05-4	Vinyl Acetate	5
75-27-4	Bromodichloromethane	2.2

CAS Number		ug/l or ug/Kg (Circle One)
79-34-5	1, 1, 2, 2-Tetrachloroethane	0.1
78-87-5	1, 2-Dichloropropane	2.7
10061-02-6	Trans-1, 3-Dichloropropene	4.0
79-01-6	Trichloroethene	1.9
124-48-1	Dibromochloromethane	2.8
79-00-5	1, 1, 2-Trichloroethane	1.1
71-43-2	Benzene	1.7
10061-01-5	cis-1, 3-Dichloropropene	3.0
110-75-8	2-Chloroethylvinylether	10
75-25-2	Bromoform	11.6
591-78-6	2-Hexanone	5
108-10-1	4-Methyl-2-Pentanone	5
127-18-4	Tetrachloroethene	0.5
108-88-3	Toluene	0.9
108-90-7	Chlorobenzene	1.1
100-41-4	Ethylbenzene	1.1
100-42-5	Styrene	5
	Total Xylenes	5

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit

Value If the result is a value greater than or equal to the detection limit, report the value.

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g., 10U) based on necessary concentration/dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read "U - Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g., 10J).

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides ≥10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

VOA WATER REPORT

6538 193

SAMPLE ID	FD026 LL WATER VOA		
FILENAME	E116V08R	INSTRUMENT ID:	FINN 1020
CLIENT	EPA	ANALYST	PV
DATE INJECTED	12/02/86 14:44	VERIFIED BY	
STANDARD ID.	S1202V02	CORR. FACTOR	1.00

SCAN#	LIB#	COMPOUNDS		M/E	AMOUNT	RRT	ARE
148	1	BROMOCHLOROMETHANE (IS1)		128	50 UG/L	1.000	3039
363	2	1,4-DIFLUOROBENZENE (IS2)		114	50 UG/L	1.000	12471
454	3	CHLOROBENZENE-D5 (IS3)		117	50 UG/L	1.000	9360
213	4	1,2-DICHLOROETHANE-D4 (SU1)		65	105 %	1.439	4646
427	5	TOLUENE-D8 (SU2)		98	108 %	0.941	10671
524	6	P-BROMOFLUOROBENZENE (SU3)		95	101 %	1.154	7283
81	11	METHYLENE CHLORIDE		84	6. UG/L	0.547	345
198	17	CHLOROFORM	*	83	3. UG/L	1.338	423
431	37	TOLUENE	*	91	5. UG/L	0.949	1166

6738 195

Sample #
FD026

Organics Analysis Data Sheet
Page 1

Laboratory Name: Acurex Corporation
Lab Sample ID No: 8611-063-8
Sample Matrix: Water
Data Release Authorized by: R. Scott

Case No: 6538
QC Report No:
Contract No: 68-01-7[illegible]
Date Sample Received: 11/25/86

Volatile Compounds

VOA Only

Concentration: Low
Date Prepared: 12/02/86
Date Analyzed: 12/02/86
Conc. Factor: 1 pH: ---
Percent Moisture (Not Decanted): ---

CAS Number		ug/L	CAS Number		ug/L
74-87-3	Chloromethane	10 U	78-87-5	1,2-dichloropropane	5 U
74-83-9	Bromomethane	10 U	10061-02-6	Trans-1,3-Dichloropropene	5 U
75-01-4	Vinyl Chloride	10 U	79-01-6	Trichloroethene	5 U
75-00-3	Chloroethane	10 U	124-48-1	Dibromochloromethane	5 U
75-09-2	Methylene Chloride	6 B	79-00-51	1,1,2-Trichloroethane	5 U
67-64-1	Acetone	10 U	71-43-2	Benzene	5 U
75-15-0	Carbon Disulfide	5 U	10061-01-5	cis-1,3-Dichloropropene	5 U
75-35-4	1,1-Dichloroethene	5 U	110-75-8	2-Chloroethylvinylether	10 U
75-34-3	1,1-Dichloroethane	5 U	75-25-28	Bromoform	5 U
156-60-5	Trans-1,2-Dichloroethene	5 U	108-10-1	4-Methyl-2-Pentanone	10 U
67-66-3	Chloroform	3 J	591-78-6	2-Hexanone	10 U
107-06-2	1,2-Dichloroethane	5 U	127-18-4	Tetrachloroethene	5 U
78-93-3	2-Butanone	10 U	79-34-5	1,1,2,2-Tetrachloroethane	5 U
71-55-6	1,1,1-Trichloroethane	5 U	108-88-3	Toluene	5 B
56-27-5	Carbon Tetrachloride	5 U	108-90-7	Chlorobenzene	5 U
108-05-4	Vinyl Acetate	10 U	100-41-4	Ethylbenzene	5 U
75-27-4	Bromodichloromethane	5 U	100-42-5	Styrene	5 U
				Total Xylenes	5 U

Flags
U Compound was analyzed for but not detected.
J Estimated value. Compound present but at less than the specified detection limit.
C Pesticide confirmed by GC/MS.
B Compound found in blank as well as sample. Possible blank contamination.

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ORGANICS TRAFFIC REPORT

Sample Number: FD 026

① Case Number:

Sample Site Name/Code:

② SAMPLE CONCENTRATION (Check One)

___ Low Concentration
___ Medium Concentration

8611-063

③ SAMPLE MATRIX (Check One)

___ Water
___ Soil/Sediment

④ Ship To: 6538 18

Attn:

Transfer Ship To:

⑤ Regional Office:

Sampling Personnel:

(Name)

(Phone)

Sampling Date:

(Begin) (End)

⑥ For each sample collected specify number of containers used and mark volume level on each bottle.

	Number of Containers	Approximate Total Volume	Sample Condition on Receipt (e.g., broken, no ice, Chain-of-Custody, etc.)
Water (Extractable)			
Water (VOA)			
Soil/Sediment (Extractable)			
Soil/Sediment (VOA)			
Other			

⑪ Analysis Lab:
Rec'd by:
Date Rec'd:

⑦ Shipping Information

Name of Carrier

Date Shipped:

Airbill Number:

⑧ Sample Description

___ Surface Water ___ Mixed Media
___ Ground Water ___ Solids
___ Leachate ___ Other (specify)

⑨ Sample Location

⑩ Special Handling Instructions:
(e.g., safety precautions, hazardous nature)

Doc. code # 6538-L-C

LAB FILE COPY

003138

DATAFILE 211B3V07R

6538 182

Reference retention time (min s) 18 09

No	Low Mass	High	Scan	Time	Meth	Area	Height	Name	Num
1	127 54	128. 54	148	7:24	A BB	30448.	5601.	V1	1
2	113 53	114. 53	363	18:09	A BB	126663.	33088.	V1	2
3	116 54	117 54	454	22:42	A BB	99782	16608.	V1	3
4	64. 52	65. 52	211	10:33	A BB	50246	9118.	V1	4
5	97 53	98. 53	427	21:21	A BB	112214	18285.	V1	5
6	94 53	95 53	524	26.12	A BB	77330.	14816.	V1	6
7	83. 53	84. 53	80	4:00	A BB	3319	341.	V1	11
8	129. 54	130. 54	311	15:33	A BB	7340	1790.	V1	27
9	0. 00	0. 00	636	31:48	A BB	84672.	12400.	NB	24263
10	0. 00	0. 00	148	7:24	A BB	202655.	38703.	NB	7
11	0. 00	0. 00	363	18:09	A BB	292279.	77492.	NB	8
12	0. 00	0. 00	454	22:42	A BB	282960.	48770.	NB	9

6538 177

VOA WATER REPORT

SAMPLE ID FD022 LL WATER VOA

FILENAME E1163V07R INSTRUMENT ID: FINN 1020

CLIENT EPA ANALYST PV

DATE INJECTED 12/02/86 13:46 VERIFIED BY

STANDARD ID. S1202V02 CORR. FACTOR 1.00

SCAN#	LIB#	COMPOUNDS	M/E	AMOUNT	RRT	ARE
148	1	BROMOCHLOROMETHANE (IS1)	128	50 UG/L	1.000	3044
363	2	1,4-DIFLUOROBENZENE (IS2)	114	50 UG/L	1.000	12666
454	3	CHLOROBENZENE-D5 (IS3)	117	50 UG/L	1.000	9978
211	4	1,2-DICHLOROETHANE-D4 (SU1)	65	114 %	1.426	5024
427	5	TOLUENE-D8 (SU2)	98	107 %	0.941	11221
524	6	P-BROMOFLUOROBENZENE (SU3)	95	100 %	1.154	7733
80	11	METHYLENE CHLORIDE	84	5. UG/L	0.541	331
311	27	TRICHLOROETHENE	130	7. UG/L	0.857	734

6538 171

Sample #
PB022

Organics Analysis Data Sheet
Page 1

Laboratory Name: Acurex Corporation
Lab Sample ID No: 8611-052-7
Sample Matrix: Water
Data Release Authorized by: R. Scott

Case No: 6538
QC Report No:
Contract No: 68-01-7142
Date Sample Received: 11/25/86

Volatile Compounds
Concentration: Low
Date Prepared: 12/2/86
Date Analyzed: 12/2/86
Conc. Factor: 1 pH: ---
Percent Moisture (not Decanted): ---

VOA only

CAS Number		ug/L	CAS Number		ug/L
74-87-3	Chloromethane	10 U	78-87-5	1,2-dichloropropane	5 U
74-83-9	Bromomethane	10 U	10061-02-6	Trans-1,3-Dichloropropene	5 U
75-01-4	Vinyl Chloride	10 U	79-01-6	Trichloroethene	7
75-00-3	Chloroethane	10 U	124-48-1	Dibromochloromethane	5 U
75-09-2	Methylene Chloride	5 B	79-00-51	1,1,2-Trichloroethane	5 U
67-64-1	Acetone	10 U	71-43-2	Benzene	5 U
75-15-0	Carbon Disulfide	5 U	10061-01-5	cis-1,3-Dichloropropene	5 U
75-35-4	1,1-Dichloroethene	5 U	110-75-8	2-Chloroethylvinylether	10 U
75-34-3	1,1-Dichloroethane	5 U	75-25-29	Bromoform	5 U
156-60-5	Trans-1,2-Dichloroethene	5 U	108-10-1	4-Methyl-2-Pentanone	10 U
67-66-3	Chloroform	5 U	591-78-6	2-Hexanone	10 U
107-06-2	1,2-Dichloroethane	5 U	127-18-4	Tetrachloroethene	5 U
78-93-3	2-Butanone	10 U	79-34-5	1,1,2,2-Tetrachloroethane	5 U
71-55-6	1,1,1-Trichloroethane	5 U	108-88-3	Toluene	5 U
56-23-5	Carbon Tetrachloride	5 U	108-90-7	Chlorobenzene	5 U
108-05-4	Vinyl Acetate	10 U	100-41-4	Ethylbenzene	5 U
75-27-4	Bromodichloromethane	5 U	100-42-5	Styrene	5 U
				Total Xylenes	5 U

Flags
U Compound was analyzed for but not detected.
J Estimated value. Compound present but at less than the specified detection limit.
C Pesticide confirmed by GC/MS.
B Compound found in blank as well as sample. Possible blank contamination.

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ORGANICS TRAFFIC REPORT

Sample Number: FD 022

① Case Number:

Sample Site Name/Code:

② SAMPLE CONCENTRATION (Check One)

___ Low Concentration
___ Medium Concentration

8611-063

③ SAMPLE MATRIX (Check One)

___ Water
___ Soil/Sediment

④ Ship To: 6538 17

Attn:

Transfer Ship To:

⑤ Regional Office:

Sampling Personnel:

(Name)

(Phone)

Sampling Date: 1/29/86

(Begin) (End)

⑥ For each sample collected specify number of containers used and mark volume level on each bottle.

	Number of Containers	Approximate Total Volume	⑪ Analysis Lab: Rec'd by: Date Rec'd: Sample Condition on Receipt (e.g., broken, no ice, Chain-of-Custody, etc.)
Water (Extractable)			
Water (VOA)	2	40	ok
Soil/Sediment (Extractable)			
Soil/Sediment (VOA)			
Other			

⑦ Shipping Information

Name of Carrier

Date Shipped:

Airbill Number:

⑧ Sample Description

___ Surface Water ___ Mixed Media
___ Ground Water ___ Solids
___ Leachate ___ Other (specify)

⑨ Sample Location

⑩ Special Handling Instructions: (e.g., safety precautions, hazardous nature)

Doc. Case # 6538-6-C

LAB FILE COPY

SEMIVOLATILE WATER REPORT

6529 159

SAMPLE ID: FD017 LL BNA WATER REPEAT

FILENAME E1163C6R INSTRUMENT ID: FINN 4500

CLIENT EPA ANALYST RW

DATE INJECTED 12/08/86 VERIFIED BY

STANDARD ID. S1208C01 CORR. FACTOR 10.00

SCAN#	LIB#	COMPOUNDS		M/E	AMOUNT	RRT	AREA
563	1	IS#1 1,4-DICHLOROBENZENE-D4		152	400 UG/L	1.000	18853
807	2	IS#2 NAPHTHALENE-D8		136	400 UG/L	1.000	74980
1138	3	IS#3 ACENAPHTHENE-D10		164	400 UG/L	1.000	31892
1411	4	IS#4 PHENANTHRENE-D10		188	400 UG/L	1.000	61161
1908	5	IS#5 CHRYSENE-D10		240	400 UG/L	1.000	30450
2157	6	IS#6 PERYLENE-D12		264	400 UG/L	1.000	24591
331	7	SU#1 2-FLUOROPHENOL		112	50 ~~10~~ %	0.588	6225
526	8	SU#2 PHENOL-D5		99	50 ~~10~~ %	0.934	8959
677	9	SU#3 NITROBENZENE-D5		128	50 ~~10~~ %	0.839	1518
1020	10	SU#4 2-FLUOROBIPHENYL		172	70 ~~14~~ %	0.896	8802
1288	11	SU#5 2,4,6-TRIBROMOPHENOL		330	30 ~~6~~ %	1.132	687
1720	12	SU#6 P-TERPHENYL-D14		244	85 ~~17~~ %	0.901	7229
811	35	NAPHTHALENE		128	764 UG/L	1.005	149610
1144	48	ACENAPHTHENE	*	154	116 UG/L	1.005	11922
1174	51	DIBENZOFURAN		168	55 UG/L	1.032	7604
1270	59	N-NITROSODIPHENYLAMINE	*	169	56 UG/L	0.900	2715

~~SURROGATES ARE OUT OF LIMITS!~~

C.F. = $\frac{1000 * 2 \text{ FINAL VOL. (MLS)} * 5 \text{ D.F.} * \text{D.W.F.}}{1000 \text{ INIT VOL. OR WT. (MLS OR GMS)}}$

VOA WATER REPORT

6538 111

SAMPLE ID.	F0017 LL WATER VOA		
FILENAME	E1163V06	INSTRUMENT ID:	FINN 1020
CLIENT	EPA	ANALYST	PV
DATE INJECTED	12/01/86 18:16	VERIFIED BY	
STANDARD ID.	S1201V01	CORR. FACTOR	1.00

SCAN#	LIB#	COMPOUNDS		M/E	AMOUNT	RRT	ARE
159	1	BROMOCHLOROMETHANE (IS1)		128	50 UG/L	1.000	3824
362	2	1,4-DIFLUOROBENZENE (IS2)		114	50 UG/L	1.000	14821
447	3	CHLOROBENZENE-D5 (IS3)		117	50 UG/L	1.000	9839
222	4	1,2-DICHLOROETHANE-D4 (SU1)		65	90 %	1.396	5644
423	5	TOLUENE-D8 (SU2)		98	115 %	0.946	12055
518	6	P-BROMOFLUOROBENZENE (SU3)		95	92 %	1.159	7379
70	11	METHYLENE CHLORIDE		84	14. UG/L	0.566	1128
314	27	TRICHLOROETHENE		130	5. UG/L	0.867	560
321	30	BENZENE		78	10. UG/L	0.887	2391
404	36	TETRACHLOROETHENE		164	2. UG/L	0.904	166
427	37	TOLUENE	*	91	6. UG/L	0.955	1369

SURROGATES ARE OUT OF LIMITS!

6538 139

Sample #
5B017

Organics Analysis Data Sheet
Page 1

Laboratory Name: Acurex Corporation
Lab Sample ID No: 8611-v63-b
Sample Matrix: water
Data Release Authorized by: R. Scott

Case No: 6533
SC Report No:
Contract No: 68-01-7142
Date Sample Received: 11/25/86

Volatile Compounds
Concentration: Low
Date Prepared: 12/01/86
Date Analyzed: 12/01/86
Conc. Factor: 1 pH: ---
Percent Moisture (Not Decanted): ---

No Pesticide

CAS Number		ug/L	CAS Number		ug/L
74-87-3	Chloromethane	10 U	78-87-5	1,2-Dichloropropane	5 U
74-83-9	Bromomethane	10 U	10061-02-6	Trans-1,3-Dichloropropene	5 U
75-01-4	Vinyl Chloride	10 U	79-01-6	Trichloroethene	5 B
75-00-3	Chloroethane	10 U	124-48-1	Dibromochloromethane	5 U
75-09-2	Methylene Chloride	14 B	79-00-51	1,1,2-Trichloroethane	5 U
67-64-1	Acetone	10 U	71-43-2	Benzene	10
75-15-0	Carbon Disulfide	5 U	10061-01-5	cis-1,3-Dichloropropene	5 U
75-35-4	1,1-Dichloroethene	5 U	110-75-8	2-Chloroethylvinylether	10 U
75-34-3	1,1-Dichloroethane	5 U	75-25-28	Bromoform	5 U
156-60-5	Trans-1,2-Dichloroethene	5 U	108-10-1	4-Methyl-2-Pentanone	10 U
67-66-3	Chloroform	5 U	591-78-6	2-Hexanone	10 U
107-06-2	1,2-Dichloroethane	5 U	127-18-4	Tetrachloroethene	1 J
78-93-3	2-Butanone	10 U	79-34-5	1,1,2,2-Tetrachloroethane	5 U
71-55-6	1,1,1-Trichloroethane	5 U	108-88-3	Toluene	5
56-23-5	Carbon Tetrachloride	5 U	108-90-7	Chlorobenzene	5 U
108-05-4	Vinyl Acetate	10 U	100-41-4	Ethylbenzene	5 U
75-27-4	Bromodichloromethane	5 U	100-42-5	Styrene	5 U
				Total Xylenes	5 U

Flags
U Compound was analyzed for but not detected.
J Estimated value. Compound present but at less than the specified detection limit.
C Pesticide confirmed by GC/MS.
B Compound found in blank as well as sample. Possible blank contamination.

6539 110

Laboratory Name: Hoefer
Case No: 6578

Sample #
F0017

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration: Low
Date Extracted: 11/18/86
Date Analyzed: 12/08/86
Conc. Factor: 1.0
Percent Moisture (Decanted): ---

GPC Cleanup ___Yes _X_No
Separatory Funnel Extraction ___Yes
Continuous Liquid-Liquid Extraction _X_Yes

CAS Number		ug/L	CAS Number		ug/L
108-95-2	Phenol	50 U	83-32-9	Acenaphthene	120
111-44-4	bis(2-Chloroethyl)Ether	50 U	51-28-5	2,4-Dinitrophenol	200 U
95-57-8	2-Chlorophenol	50 U	100-02-7	4-Nitrophenol	200 U
541-73-1	1,3-Dichlorobenzene	50 U	132-64-9	Dibenzofuran	55
106-46-7	1,4-Dichlorobenzene	50 U	121-14-2	2,4-Dinitrotoluene	50 U
100-51-6	Benzyl Alcohol	50 U	606-20-2	2,6-Dinitrotoluene	50 U
95-50-1	1,2-Dichlorobenzene	50 U	84-66-2	Diethylphthalate	50 U
95-48-7	2-Methylphenol	50 U	7005-72-3	4-Chlorophenyl-phenylether	50 U
39638-32-9	bis(2-Chloroisopropyl)Ether	50 U	86-73-7	Fluorene	50 U
106-44-5	4-Methylphenol	50 U	100-01-6	4-Nitroaniline	200 U
621-64-7	N-Nitroso-Di-n-Propylamine	50 U	534-52-1	4,6-Dinitro-2-Methylphenol	200 U
67-72-1	Hexachloroethane	50 U	86-30-6	N-Nitrosodiphenylamine (1)	56 B
98-95-3	Nitrobenzene	50 U	101-55-3	4-Bromophenyl-phenylether	50 U
78-59-1	Isophorone	50 U	118-74-1	Hexachlorobenzene	50 U
88-75-5	2-Nitrophenol	50 U	87-86-5	Pentachlorophenol	200 U
105-67-9	2,4-Dimethylphenol	50 U	85-01-8	Phenanthrene	50 U
65-85-	Benzoic Acid	200 U	120-12-7	Anthracene	50 U
111-91-1	bis(2-Chloroethoxy)Methane	50 U	84-74-2	Di-n-Butylphthalate	50 U
120-83-2	2,4-Dichlorophenol	50 U	206-44-0	Fluoranthene	50 U
120-82-1	1,2,4-Trichlorobenzene	50 U	129-00-0	Pyrene	50 U
91-20-3	Naphthalene	50	85-68-7	Butylbenzylphthalate	50 U
106-47-8	4-Chloroaniline	50 U	91-94-1	3,3'-Dichlorobenzidine	100 U
87-68-3	Hexachlorobutadiene	50 U	56-55-3	Benzo(a)Anthracene	50 U
59-50-7	4-Chloro-3-Methylphenol	50 U	117-81-7	bis(2-Ethylhexyl)Phthalate	50 U
91-57-6	2-Methylnaphthalene	50 U	218-01-9	Chrysene	50 U
77-47-4	Hexachlorocyclopentadiene	50 U	117-84-0	Di-n-Octyl Phthalate	50 U
88-06-2	2,4,6-Trichlorophenol	50 U	205-99-2	Benzo(b)Fluoranthene	50 U
95-95-4	2,4,5-Trichlorophenol	200 U	207-08-9	Benzo(k)Fluoranthene	50 U
91-58-7	2-Chloronaphthalene	50 U	50-32-8	Benzo(a)Pyrene	50 U
88-74-4	2-Nitroaniline	200 U	193-39-5	Indeno(1,2,3-cd)Pyrene	50 U
131-11-3	Dimethylphthalate	50 U	53-70-3	Dibenz(a,h)Anthracene	50 U
208-96-8	Acenaphthylene	50 U	191-24-2	Benzo(g,h,i)Perylene	50 U
99-09-2	3-Nitroaniline	200 U			

(1)-Cannot be separated from diphenylamine

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

ORGANICS TRAFFIC REPORT

Sample Number: FD 017

① Case Number:

Sample Site Name/Code:

② SAMPLE CONCENTRATION (Check One)

___ Low Concentration
___ Medium Concentration

8611-063

③ SAMPLE MATRIX (Check One)

___ Water
___ Soil/Sediment

④ Ship To: 6538 138

Attn:

Transfer Ship To:

⑤ Regional Office:

Sampling Personnel:

(Name)

(Phone)

Sampling Date:

(Begin) (End)

⑥ For each sample collected specify number of containers used and mark volume level on each bottle.

	Number of Containers	Approximate Total Volume	
Water (Extractable)			
Water (VOA)			
Soil/Sediment (Extractable)			
Soil/Sediment (VOA)			
Other			

⑦ Shipping Information

Name of Carrier

Date Shipped:

Airbill Number:

⑪ Analysis Lab:
Rec'd by:
Date Rec'd:
Sample Condition on Receipt (e.g., broken, no ice, Chain-of-Custody, etc.)

⑧ Sample Description

___ Surface Water ___ Mixed Media
___ Ground Water ___ Solids
___ Leachate ___ Other (specify) ___

⑨ Sample Location

⑩ Special Handling Instructions:
(e.g., safety precautions, hazardous nature)

Doc. Code # 6538-6-C

LAB FILE COPY

003147

VOA WATER REPORT

6538 118

SAMPLE ID	FD016 LL WATER VOA		
FILENAME	E1163V05R	INSTRUMENT ID:	FINN 1020
CLIENT	EPA/o	ANALYST	PV
DATE INJECTED	12/02/86 12:48	VERIFIED BY	
STANDARD ID.	S1202V02	CORR. FACTOR	1.00

SCAN#	LIB#	COMPOUNDS	M/E	AMOUNT	RRT	ARE
147	1	BROMOCHLOROMETHANE (IS1)	128	50 UG/L	1.000	3149
362	2	1,4-DIFLUOROBENZENE (IS2)	114	50 UG/L	1.000	13477
453	3	CHLOROBENZENE-D5 (IS3)	117	50 UG/L	1.000	11821
211	4	1,2-DICHLOROETHANE-D4 (SU1)	65	114 %	1.435	5216
426	5	TOLUENE-D8 (SU2)	98	100 %	0.940	12436
524	6	P-BROMOFLUOROBENZENE (SU3)	95	100 %	1.157	9111
90	11	METHYLENE CHLORIDE	84	60. UG/L	0.544	3875

SEMIVOLATILE WATER REPORT

6538 193

SAMPLE ID: FD016 LL BNA WATER

FILENAME E1163C05 INSTRUMENT ID: FINN 4500

CLIENT EPA ANALYST RW

DATE INJECTED 12/05/86 VERIFIED BY

STANDARD ID. S1205C01 CORR. FACTOR 2.00

SCAN#	LIB#	COMPOUNDS		M/E	AMOUNT	RRT	AREA
563	1	IS#1 1,4-DICHLOROBENZENE-D4		152	80 UG/L	1.000	22032
806	2	IS#2 NAPHTHALENE-D8		136	80 UG/L	1.000	85087
1139	3	IS#3 ACENAPHTHENE-D10		164	80 UG/L	1.000	37716
1412	4	IS#4 PHENANTHRENE-D10		188	80 UG/L	1.000	73249
1909	5	IS#5 CHRYSENE-D10		240	80 UG/L	1.000	38641
2158	6	IS#6 PERYLENE-D12		264	80 UG/L	1.000	27110
328	7	SU#1 2-FLUOROPHENOL		112	58 %	0.583	44360
524	8	SU#2 PHENOL-D5		99	61 %	0.931	65861
676	9	SU#3 NITROBENZENE-D5		128	71 %	0.839	13433
1021	10	SU#4 2-FLUOROBIPHENYL		172	76 %	0.896	54795
1289	11	SU#5 2,4,6-TRIBROMOPHENOL		330	83 %	1.132	9504
1722	12	SU#6 P-TERPHENYL-D14		244	85 %	0.902	47445
1145	48	ACENAPHTHENE	*	154	37 UG/L	1.005	22896
1175	51	DIBENZOFURAN		168	11 UG/L	1.032	9195
1239	56	FLUORENE		166	9 UG/L	1.088	6153
1270	59	N-NITROSODIPHENYLAMINE	*	169	11 UG/L	0.899	3023

$$C.F. = 1000 * \frac{2 \text{ FINAL VOL. (MLS)} * 1 \text{ D.F.} * \text{ D.W.F.}}{1000 \text{ INIT VOL. OR WT. (MLS OR GMS)}}$$

6538 113

Sample #
FD016

Organics Analysis Data Sheet
(Page 1.

Laboratory Name: Acurex Corporation
Lab Sample ID No: 8611-063-S
Sample Matrix: Water
Data Release Authorized by: R. Scott

Case No: 6538
SC Report No:
Contract No: 68-01-7142
Date Sample Received: 11/25/86

Volatile Compounds
Concentration: Low
Date Prepared: 12/02/86
Date Analyzed: 12/02/86
Conc. Factor: 1 pH: ---
Percent Moisture (Not Decanted): ---

No Pesticide

CAS Number		ug/L	CAS Number		ug/L
74-87-3	Chloromethane	10 U	78-87-5	1,2-dichloropropane	5 U
74-83-9	Bromomethane	10 U	10061-02-6	Trans-1,3-Dichloropropene	5 U
75-01-4	Vinyl Chloride	10 U	79-01-6	Trichloroethene	5 U
75-00-3	Chloroethane	10 U	124-48-1	Dibromochloromethane	5 U
75-09-2	Methylene Chloride	60	79-00-51	1,1,2-Trichloroethane	5 U
67-64-1	Acetone	10 U	71-43-2	Benzene	5 U
75-15-0	Carbon Disulfide	5 U	10061-01-5	cis-1,3-Dichloropropene	5 U
75-35-4	1,1-Dichloroethene	5 U	110-75-8	2-Chloroethylvinylether	10 U
75-34-3	1,1-Dichloroethane	5 U	75-25-28	Bromoform	5 U
156-60-5	Trans-1,2-Dichloroethene	5 U	108-10-1	4-Methyl-2-Pentanone	10 U
67-66-3	Chloroform	5 U	591-78-6	2-Hexanone	10 U
107-06-2	1,2-Dichloroethane	5 U	127-18-4	Tetrachloroethene	5 U
78-93-3	2-Butanone	10 U	79-34-5	1,1,2,2-Tetrachloroethane	5 U
71-55-6	1,1,1-Trichloroethane	5 U	108-88-3	Toluene	5 U
56-23-5	Carbon Tetrachloride	5 U	108-90-7	Chlorobenzene	5 U
108-05-4	Vinyl Acetate	10 U	100-41-4	Ethylbenzene	5 U
75-27-4	Bromodichloromethane	5 U	100-42-5	Styrene	5 U
				Total Xylenes	5 U

Flags
U Compound was analyzed for but not detected.
J Estimated value. Compound present but at less than the specified detection limit.
C Pesticide confirmed by GC/MS.
B Compound found in blank as well as sample. Possible blank contamination.

6538 111

Laboratory Name: Acurex
Case No: 6538

Sample #
FD01b

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration: LOW
Date Extracted: 11/26/86
Date Analyzed: 12/05/86
Conc. Factor: 500
Percent Moisture (Decanted): ---

GPC Cleanup ___Yes _X_No
Separatory Funnel Extraction ___Yes
Continuous Liquid-Liquid Extraction _X_Yes

CAS Number		ug/L	CAS Number		ug/L
108-95-2	Phenol	10 U	83-32-9	Acenaphthene	37
111-44-4	bis(2-Chloroethyl)Ether	10 U	51-28-5	2,4-Dinitrophenol	50 U
95-57-8	2-Chlorophenol	10 U	100-02-7	4-Nitrophenol	50 U
541-73-1	1,3-Dichlorobenzene	10 U	132-64-9	Dibenzofuran	11
106-46-7	1,4-Dichlorobenzene	10 U	121-14-2	2,4-Dinitrotoluene	10 U
100-51-6	Benzyl Alcohol	10 U	606-20-2	2,6-Dinitrotoluene	10 U
95-50-1	1,2-Dichlorobenzene	10 U	84-66-2	Diethylphthalate	10 U
95-48-7	2-Methylphenol	10 U	7005-72-3	4-Chlorophenyl-phenylether	10 U
39638-32-9	bis(2-Chloroisopropyl)Ether	10 U	86-73-7	Fluorene	9 J
106-44-5	4-Methylphenol	10 U	100-01-6	4-Nitroaniline	50 U
621-64-7	N-Nitroso-Di-n-Propylamine	10 U	534-52-1	4,6-Dinitro-2-Methylphenol	50 U
67-72-1	Hexachloroethane	10 U	86-30-6	N-Nitrosodiphenylamine (1)	11 B
98-95-3	Nitrobenzene	10 U	101-55-3	4-Bromophenyl-phenylether	10 U
78-59-1	Isophorone	10 U	118-74-1	Hexachlorobenzene	10 U
88-75-5	2-Nitrophenol	10 U	87-86-5	Pentachlorophenol	50 U
105-67-9	2,4-Dimethylphenol	10 U	85-01-8	Phenanthrene	10 U
65-85-0	Benzoic Acid	50 U	120-12-7	Anthracene	10 U
111-91-1	bis(2-Chloroethoxy)Methane	10 U	84-74-2	Di-n-Butylphthalate	10 U
120-83-2	2,4-Dichlorophenol	10 U	206-44-0	Fluoranthene	10 U
120-82-1	1,2,4-Trichlorobenzene	10 U	129-00-0	Pyrene	10 U
91-20-3	Naphthalene	10 U	85-68-7	Butylbenzylphthalate	10 U
106-47-8	4-Chloroaniline	10 U	91-94-1	3,3'-Dichlorobenzidine	20 U
87-68-3	Hexachlorobutadiene	10 U	56-55-3	Benzo(a)Anthracene	10 U
59-50-7	4-Chloro-3-Methylphenol	10 U	117-81-7	bis(2-Ethylhexyl)Phthalate	10 U
91-57-6	2-Methylnaphthalene	10 U	218-01-9	Chrysene	10 U
77-47-4	Hexachlorocyclopentadiene	10 U	117-84-0	Di-n-Octyl Phthalate	10 U
88-06-2	2,4,6-Trichlorophenol	10 U	205-99-2	Benzo(b)Fluoranthene	10 U
95-95-4	2,4,5-Trichlorophenol	50 U	207-08-9	Benzo(k)Fluoranthene	10 U
91-58-7	2-Chloronaphthalene	10 U	50-32-8	Benzo(a)Pyrene	10 U
88-74-4	2-Nitroaniline	50 U	193-39-5	Indeno(1,2,3-cd)Pyrene	10 U
131-11-3	Dimethylphthalate	10 U	53-70-3	Dibenz(a,h)Anthracene	10 U
208-96-8	Acenaphthylene	10 U	191-24-2	Benzo(g,h,i)Perylene	10 U
99-09-2	3-Nitroaniline	50 U			

(1)-Cannot be separated from diphenylamine

Laboratory Name: Acurex
Case No: 5578

Sample #
FD915

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration: Low
Date Extracted: 11/28/86
Date Analyzed: 12/05/86
Conc. Factor: 500
Percent Moisture (Decanted): ---

GPC Cleanup ___Yes _X_No
Separatory Funnel Extraction ___Yes
Continuous Liquid-Liquid Extraction _X_Yes

CAS Number		ug/L		CAS Number		ug/L	
108-95-2	Phenol	10	U	83-32-9	Acenaphthene	10	U
111-44-4	bis(2-Chloroeth..)Ether	10	U	51-28-5	2,4-Dinitrophenol	50	U
95-57-8	2-Chlorophenol	10	U	100-02-7	4-Nitrophenol	50	U
541-73-1	1,3-Dichlorobenzene	10	U	132-64-9	Dibenzofuran	10	U
106-46-7	1,4-Dichlorobenzene	10	U	121-14-2	2,4-Dinitrotoluene	10	U
100-51-6	Benzyl Alcohol	10	U	606-20-2	2,6-Dinitrotoluene	10	U
95-50-1	1,2-Dichlorobenzene	10	U	84-66-2	Diethylphthalate	10	U
95-48-7	2-Methylphenol	10	U	7005-72-3	4-Chlorophenyl-phenylether	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U	86-73-7	Fluorene	10	U
106-44-5	4-Methylphenol	10	U	100-01-6	4-Nitroaniline	50	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U	534-52-1	4,6-Dinitro-2-Methylphenol	50	U
67-72-1	Hexachloroethane	10	U	86-30-6	N-Nitrosodiphenylamine (1)	9	J B
98-95-3	Nitrobenzene	10	U	101-55-3	4-Bromophenyl-phenylether	10	U
78-59-1	Isophorone	10	U	118-74-1	Hexachlorobenzene	10	U
88-75-5	2-Nitrophenol	10	U	87-86-5	Pentachlorophenol	50	U
105-67-9	2,4-Dimethylphenol	10	U	85-01-8	Phenanthrene	10	U
65-85-0	Benzoic Acid	50	U	120-12-7	Anthracene	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U	84-74-2	Di-n-Butylphthalate	10	U
120-83-2	2,4-Dichlorophenol	10	U	206-44-0	Fluoranthene	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U	129-00-0	Pyrene	10	U
91-20-3	Naphthalene	10	U	85-68-7	Butylbenzylphthalate	10	U
106-47-8	4-Chloroaniline	10	U	91-94-1	3,3'-Dichlorobenzidine	20	U
87-68-3	Hexachlorobutadiene	10	U	56-55-3	Benzo(a)Anthracene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U	117-81-7	bis(2-Ethylhexyl)Phthalate	20	B
91-57-6	2-Methylnaphthalene	10	U	218-01-9	Chrysene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U	117-84-0	Di-n-Octyl Phthalate	10	U
88-06-2	2,4,6-Trichlorophenol	10	U	205-99-2	Benzo(b)Fluoranthene	10	U
95-95-4	2,4,5-Trichlorophenol	50	U	207-08-9	Benzo(k)Fluoranthene	10	U
91-58-7	2-Chloronaphthalene	10	U	50-32-8	Benzo(a)Pyrene	10	U
88-74-4	2-Nitroaniline	50	U	193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
131-11-3	Dimethylphthalate	10	U	53-70-3	Dibenz(a,h)Anthracene	10	U
208-96-8	Acenaphthylene	10	U	191-24-2	Benzo(g,h,i)Perylene	10	U
99-09-2	3-Nitroaniline	50	U				

(1)-Cannot be separated from diphenylamine

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

ORGANICS TRAFFIC REPORT

Sample Number: FD 016

① Case Number:

Sample Site Name/Code:

② SAMPLE CONCENTRATION (Check One)

___ Low Concentration
___ Medium Concentration

8611-063

③ SAMPLE MATRIX (Check One)

___ Water
___ Soil/Sediment

④ Ship To: 6538 11

Attn:

Transfer
Ship To:

⑤ Regional Office:

Sampling Personnel:

(Name)

(Phone)

Sampling Date:

(Begin) (End)

⑥ For each sample collected specify number of containers used and mark volume level on each bottle.

	Number of Containers	Approximate Total Volume	⑪ Analysis Lab: Sample Condition on Receipt (e.g., broken, no ice, Chain-of-Custody, etc.)
Water (Extractable)			OK
Water (VOA)			OK
Soil/Sediment (Extractable)			
Soil/Sediment (VOA)			
Other			

Rec'd by:

Date Rec'd:

⑦ Shipping Information

Name of Carrier

Date Shipped:

Airbill Number:

⑧ Sample Description

___ Surface Water ___ Mixed Media
✓ Ground Water ___ Solids
___ Leachate ___ Other (specify) _____

⑨ Sample Location

⑩ Special Handling Instructions:
(e.g., safety precautions, hazardous nature)

Doc. code # 6T35-6-C

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U.S. ENVIRONMENTAL PROTECTION AGENCY HWI Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313—703-557-2490 • FTS 557-2490

ORGANICS TRAFFIC REPORT

Sample Number: FD 015

① Case Number:

Sample Site Name/Code:

② SAMPLE CONCENTRATION (Check One)

___ Low Concentration
___ Medium Concentration

8611-063

③ SAMPLE MATRIX (Check One)

___ Water
___ Soil/Sediment

④ Ship To: 6538 08

Attn:

Transfer Ship To:

⑤ Regional Office:

Sampling Personnel:

(Name)

(Phone)

Sampling Date:

(Begin) (End)

⑥ For each sample collected specify number of containers used and mark volume level on each bottle.

	Number of Containers	Approximate Total Volume	
Water (Extractable)	2	1 L	Ok
Water (VOA)	2	40 ml	Ok
Soil/Sediment (Extractable)			
Soil/Sediment (VOA)			
Other			

⑦ Shipping Information

EPA

Name of Carrier

Date Shipped:

Airbill Number:

⑧ Sample Description

___ Surface Water ___ Mixed Media
___ Ground Water ___ Solids
___ Leachate ___ Other (specify) Blank

⑨ Sample Location

Field Blank

⑩ Special Handling Instructions:
(e.g., safety precautions, hazardous nature)

Doc. Control # 6538-8-C

⑪ Analysis Lab:
Rec'd by:
Date Rec'd:
Sample Condition on Receipt (e.g., broken, no ice, Chain-of-Custody, etc.)

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003154

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

ORGANICS TRAFFIC REPORT

Sample Number
FD 013

① Case Number:

Sample Site Name/Code:

② SAMPLE CONCENTRATION
(Check One)
___ Low Concentration
___ Medium Concentration

8611-063

③ SAMPLE MATRIX
(Check One)
___ Water
___ Soil/Sediment

④ Ship To: 6538 039

Attn:

Transfer
Ship To:

⑤ Regional Office:
Sampling Personnel:
(Name)
(Phone)
Sampling Date:
(Begin) (End)

⑥ For each sample collected specify number of containers used and mark volume level on each bottle.

	Number of Containers	Approximate Total Volume	
Water (Extractable)			
Water (VOA)			
Soil/Sediment (Extractable)			
Soil/Sediment (VOA)			
Other			

⑪ Analysis Lab:
Rec'd by:
Date Rec'd:
Sample Condition on Receipt (e.g., broken, no ice, Chain-of-Custody, etc.)

⑦ Shipping Information
Name of Carrier
Date Shipped:
Airbill Number:

⑧ Sample Description
___ Surface Water ___ Mixed Media
___ Ground Water ___ Solids
___ Leachate ___ Other (specify) _____

⑨ Sample Location

⑩ Special Handling Instructions:
(e.g., safety precautions, hazardous nature)

Doc. 0002 of 6538-6-C

LAB FILE COPY

6538 004

GC/MS TUNING AND MASS CALIBRATION
Decafluorotriphenylphosphine (DFTPP)

Case No. 6538 Contractor ACUREX Contract No. 68-01-7142

Instrument ID 4500 Date 10-16-86 Time 6:51

Lab ID D101686A Data Release Authorized By: R. Scott

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	42.4
68	less than 2.0% of mass 69	0.32 (0.66)[1]
69	mass 69 relative abundance	47.5
70	less than 2.0% of mass 69	Ø (Ø)[1]
127	40.0 - 60.0% of mass 198	45.3
197	less than 1.0% of mass 198	Ø
198	base peak, 100% relative abundance	100
199	5.0 - 9.0% of mass 198	6.89
275	10.0 - 30.0% of mass 198	18.8
365	greater than 1.00% of mass 198	1.38
441	present, but less than mass 443	5.53
442	greater than 40.0% of mass 198	41.6
443	17.0 - 23.0% of mass 442	7.90 (19.0)[2]

THIS PERFORMANCE TUNE APPLIES TO THE FOLLOWING SAMPLES, BLANKS AND STANDARDS.

[1] Value in parenthesis is % mass 69.
[2] Value in parenthesis is % mass 442.

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS
160 UG SV STD.	S1016C01	10-16-86	0843
120 NG SV STD	S1016C02	↓	0940
80 NG SV STD	S1016C03		1033
50 NG SV STD	S1016C04		1127
20 NG SV STD	S1016C05		1240

GC/MS TUNING AND MASS CALIBRATION

6538 005

Decafluorotriphenylphosphine (DFTPP)

Case No. 6538 Contractor ACUREX Contract No. 68-01-7112

Instrument ID 4500 Date 12-5-86 Time 7:24

Lab ID D120586A Data Release Authorized By: Q. Stuart

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	[illegible]
68	less than 2.0% of mass 69	2 (0)[1]
69	mass 69 relative abundance	54.6
70	less than 2.0% of mass 69	0 (0)[1]
127	40.0 - 60.0% of mass 198	45.7
197	less than 1.0% of mass 198	0
198	base peak, 100% relative abundance	100
199	5.0 - 9.0% of mass 198	6.4
275	10.0 - 30.0% of mass 198	23
365	greater than 1.00% of mass 198	[illegible]
441	present, but less than mass 443	[illegible]
442	greater than 40.0% of mass 198	52.3
443	17.0 - 23.0% of mass 442	21 (18.9)[2]

THIS PERFORMANCE TUNE APPLIES TO THE FOLLOWING SAMPLES, BLANKS AND STANDARDS.

[1] Value in parenthesis is % mass 69.
[2] Value in parenthesis is % mass 442.

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS
50 NG SV STD.	S120SC01	12-5-86	9:58
E1163MB	E1163MB		11:06
FD012	E1163C01		11:59
FD013	E1163C02		12:52
FD014	E1163C03		13:46
FD015	E1163C04		14:39
FD016	E1163C05		15:33

FORM V 7/86

6538 006

GC/MS TUNING AND MASS CALIBRATION
Decafluorotriphenylphosphine (DFTPP)

Case No. 6538 Contractor ACUREX Contract No. 68-01-7142

Instrument ID 4500 Date 12-4-86 Time 9:50

Lab ID D120486A Data Release Authorized By: R. Scott

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	41.6
68	less than 2.0% of mass 69	0.55 (0.16)[1]
69	mass 69 relative abundance	47.6
70	less than 2.0% of mass 69	0 (✓)[1]
127	40.0 - 60.0% of mass 198	43.4
197	less than 1.0% of mass 198	0
198	base peak, 100% relative abundance	100
199	5.0 - 9.0% of mass 198	6.83
275	10.0 - 30.0% of mass 198	19.4
365	greater than 1.00% of mass 198	1.51
441	present, but less than mass 443	76
442	greater than 40.0% of mass 198	52.8
443	17.0 - 23.0% of mass 442	9.88 (18.7)[2]

THIS PERFORMANCE TUNE APPLIES TO THE FOLLOWING SAMPLES, BLANKS AND STANDARDS.

[1]Value in parenthesis is % mass 69.
[2]Value in parenthesis is % mass 442.

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS
50 UG SV STD.	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]

GC/MS TUNING AND MASS CALIBRATION

6538 007

Bromofluorobenzene (BFB)

Case No 6538 Contractor ACUREX Contract No. 68-01-7142

Instrument ID FINN 1020 Date 10/14/86 Time 9:39

Lab ID T1014A Data Release Authorized By: Richard Scott

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
50	15.0 - 40.0% of the base peak	17.3
75	30.0 - 60.0% of the base peak	42.6
95	Base peak, 100% relative abundance	100
96	5.0 - 9.0% of the base peak	6.96
173	Less than 1.0% of the base peak	0.08
174	Greater than 50.0% of the base peak	70.7
175	5.0 - 9.0% of mass 174	5.05 (7.15)[1]
176	Greater than 95.0%, but less than 101.0% of mass 174	69.8 (98.8)[1]
177	5.0 - 9.0% of mass 176	4.70 (6.73)[2]

THIS PERFORMANCE TUNE APPLIES TO THE FOLLOWING SAMPLES, BLANKS AND STANDARDS.

[1]Value in parenthesis is % mass 174.
[2]Value in parenthesis is % mass 176.

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS
50 PPB VOA STD.	S1014V01	10-14-86	1012
20 PPB VOA STD	S1014V00		1150
200 PPB VOA STD	S1014V03		1243
100 PPB VOA STD	S1014		1417
150 PPB VOA STD	S1014V05		1505

6538 008

GC/MS TUNING AND MASS CALIBRATION

BROMOFLUOROBENZENE

CASE NUMBER: 6538 LABORATORY: Acurex CONTRACT: 68-01-7142
INST ID: 1020 SENS DATE: 12/01/86 SENS TIME: 7:25:00
LAB ID: T1201A CALI DATE: ANALYST: JP

DATA RELEASE AUTHORIZED BY: R. Scott

M/Z	ION ABUNDANCE CRITERIA	SPEC # 45	
50	15 TO 40% OF MASS 95	15.27	
75	30 TO 60% OF MASS 95	37.86	
95	BASE PEAK, 100% RELATIVE ABUNDANCE	100.00	
96	5 TO 9% OF MASS 95	7.10	
173	LESS THAN 1% OF MASS 95	0.06	
174	GREATER THAN 50% OF MASS 95	60.51	
175	5 TO 9% OF MASS 174	4.29	(7.10) 1
176	BETWEEN 95% AND 101% OF MASS 174	57.96	(95.79) 1
177	5 TO 9% OF MASS 176	3.95	(6.81) 2

1 - VALUE IN PARENTHESIS IS % OF MASS 174
2 - VALUE IN PARENTHESIS IS % OF MASS 176

T1201A

SAMPLE ID	LAB ID	DATE AND TIME	C.F.
50PPB VO	S1201V01	12/01/86 8:04	1.00
B1201V01	B1201V01	12/01/86 9:24	1.00
FD012	E1163V01	12/01/86 14:19	1.00
FD013	E1163V02	12/01/86 15:05	1.00
FD014	E1163V03	12/01/86 15:51	1.00
FD015	E1163V04	12/01/86 16:43	1.00
FD017	E1163V06	12/01/86 18:16	1.00

6538 009

GC/MS TUNING AND MASS CALIBRATION

BROMOFLUOROBENZENE

CASE NUMBER: 6538 LABORATORY: Acurex CONTRACT: 68-01-7142
INST ID: 1020 SENS DATE: 12/02/86 SENS TIME: 7:12:00
LAB ID: T1202A CALI DATE: ANALYST: JP

DATA RELEASE AUTHORIZED BY: R. Scott

M/Z	ION ABUNDANCE CRITERIA	SPEC # 45	
50	15 TO 40% OF MASS 95	15.24	
75	30 TO 60% OF MASS 95	37.34	
95	BASE PEAK, 100% RELATIVE ABUNDANCE	100.00	
96	5 TO 9% OF MASS 95	7.11	
173	LESS THAN 1% OF MASS 95	0.00	
174	GREATER THAN 50% OF MASS 95	73.10	
175	5 TO 9% OF MASS 174	5.10	(6.98) 1
176	BETWEEN 95% AND 101% OF MASS 174	70.16	(95.98) 1
177	5 TO 9% OF MASS 176	4.75	(6.77) 2

1 - VALUE IN PARENTHESIS IS % OF MASS 174
2 - VALUE IN PARENTHESIS IS % OF MASS 176

T1202A

SAMPLE ID	LAB ID	DATE AND TIME	C.F.
50PPB VO	S1202V02	12/02/86 7:55	1.00
B1202V01	B1202V01	12/02/86 9:12	1.00
FD016	E1163V05R	12/02/86 12:48	1.00
FD022	E1163V07R	12/02/86 13:46	1.00
FD026	E1163V08R	12/02/86 14:44	1.00
FD017MS	E1163V06MS	12/02/86 15:41	1.00
FD017MSD	E1163V06MD	12/02/86 16:39	1.00

6538 010

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

ORGANICS TRAFFIC REPORT

Sample Number
FD 012

① Case Number:

Sample Site Name/Code:

② SAMPLE CONCENTRATION
(Check One)
___ Low Concentration
___ Medium Concentration

③ SAMPLE MATRIX
(Check One)
___ Water
___ Soil/Sediment

④ Ship To:
8611-063
Attn:
Transfer
Ship To:

⑤ Regional Office:
Sampling Personnel:
(Name)
(Phone)
Sampling Date:
(Begin) (End)

⑥ For each sample collected specify number of containers used and mark volume level on each bottle.

	Number of Containers	Approximate Total Volume	⑪ Analysis Lab: Sample Condition on Receipt (e.g., broken, no ice, Chain-of-Custody, etc.)
Water (Extractable)	2		
Water (VOA)	2		
Soil/Sediment (Extractable)			
Soil/Sediment (VOA)			
Other			

Rec'd by:
Date Rec'd:

⑦ Shipping Information
Name of Carrier
Date Shipped:
Airbill Number:

⑧ Sample Description
___ Surface Water ___ Mixed Media
___ Ground Water ___ Solids
___ Leachate ___ Other (specify) _____

⑨ Sample Location
Well 13

⑩ Special Handling Instructions:
(e.g., safety precautions, hazardous nature)
DOC CODE # 6538-6-C

LAB FILE COPY

003162

METHOD BLANK SUMMARY

Case No. 6538 Region 6 Contractor Acurex Contract No. 68-01-7182

FILE ID	DATE OF ANALYSIS	FRACTION	MATRIX	CONC. LEVEL	INST. ID	CAS NUMBER	COMPOUND (HSL, TIC OR UNKNOWN)	CONC.	UNITS	CRDL
B120IV01	12-1-86	VOA	Water	Lo	1020	75-09-2	Methylene chloride	4	ug/L	5
↓	↓	↓	↓	↓	↓	79-01-6	Trichloroethene	1		5
B120ZV01	12-2-86	VOA	Water	Lo	1020	75-09-2	Methylene chloride	3		5
						79-01-6	Trichloroethene	1		5
						108-88-3	Toluene	7		5
						100-41-4	Ethyl benzene	1		5
↓	↓	↓	↓	↓	↓	556-67-2	Octamethylcyclotetrasiloxane	21		—
E1163MB	12-5-86	BNA	Water	Lo	4500	86-30-6	N-nitrosodiphenylamine	17	↓	10
E1162CMB	12-4-86	BNA	water	Lo	4500	86-30-6	N-nitrosodiphenylamine	19	ug/L	10
↓	↓	↓	↓	↓	↓	117-81-7	Bis(2-ethylhexyl)phthalate	59	↓	10

Comments: No Pesticides

FORM IV 7/85

6538 002

WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Case No: 6538 Contractor: Acurex Contract No: 68-01-7142

Fraction	Compound	Conc. Spike Added	Sample Result	Conc. MS	% Rec	Conc. MSD	% Rec	RPD	QC Limits* RPD	QC Limits* Recovery
VOA	1,1-Dichloroethene	50	0	26	52*	27	54*	4	14	61-145
SMO	Trichloroethene	50	5	51	92	50	90	2	14	71-120
SAMPLE NO.	Chlorobenzene	50	0	53	106	49	98	8	13	75-130
FD017	Toluene	50	6	57	102	57	102	0	13	76-125
	Benzene	50	10	70	120	61	102	14*	11	76-127
	1,2,4-Trichlorobenzene	100	0	65	65	67	67	3	28	39-98
B/N	Acenaphthene	100	116	214	98	233	117	9	31	46-118
SMO	2,4-Dinitrotoluene	100	0	58	58	57	57	2	38	24-96
SAMPLE NO.	Pyrene	100	0	95	95	71	71	18	31	26-127
FD017	N-Nitroso-Di-n-Propylamine	100	0	0	0*	3	3*	0	38	41-116
	1,4-Dichlorobenzene	100	0	64	64	67	67	5	28	36-97
ACID	Pentachlorophenol	200	0	0	0*	0	0*	0	50	9-103
SMO	Phenol	200	0	109	55	94	47	15	42	12-89
SAMPLE NO.	2-Chlorophenol	200	0	110	55	102	51	8	40	27-123
FD017	4-Chloro-3-Methylphenol	200	0	107	54	103	52	4	42	23-97
	4-Nitrophenol	200	0	0	0*	0	0*	0	50	10-80
	Lindane	0	--	--	--	--	--	--	15	56-123
PEST	Heptachlor	0	--	--	--	--	--	--	20	40-131
SMO	Aldrin	0	--	--	--	--	--	--	22	40-120
SAMPLE NO.	Dieldrin	0	--	--	--	--	--	--	18	52-126
None	Endrin	0	--	--	--	--	--	--	21	56-121
	4,4 -DDT	0	--	--	--	--	--	--	27	38-127

*Asterisked values are outside QC limits.

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

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

Comments: No Pesticides

FORM III

6538 001

WATER SURROGATE PERCENT RECOVERY SUMMARY

Case No: 6538 Contract Laboratory: Aurex Contract No: 68-01-7142

EMC Traffic Rpt.	Toluene-d8 (86-110)	BFB (96-115)	1,2-Dichloroethane-d4 (76-114)	Nitrobenzene-d5 (35-114)	2-Fluorobiphenyl (43-116)	Terphenyl-d14 (33-141)	Phenol-d5 (10-94)	2-Fluorophenol (21-100)	2,4,6-Tribromophenol (10-123)	Dibutylchlorendate** (24-154)
FD012	108	95	103	79	75	83	74	79	79	NA
FD013	110	96	96	60	67	81	31	32	63	NA
FD014	100	107	104	62	63	81	26	24	39	NA
FD015	109	101	110	70	71	99	61	64	61	NA
FD016	100	100	114	71	76	85	61	58	83	NA
FD017	115*	92	90	50	70	85	50	50	30	NA
FD012	107	100	114	NA	NA	NA	NA	NA	NA	NA
FD026	108	101	105	NA	NA	NA	NA	NA	NA	NA
B12S1A01	109	103	90	NA	NA	NA	NA	NA	NA	NA
B12S2A01	99	99	93	NA	NA	NA	NA	NA	NA	NA
E11S2CMB	NA	NA	NA	77	74	102	67	72	74	NA
E11S3MB	NA	NA	NA	62	61	96	58	71	76	NA
FD017MS	102	110	117	50	75	85	60	50	35	NA
FD017MSD	106	92	104	60	70	70	50	45	35	NA

* Values are outside contract required QC limits
**Advisory limits only

Volatiles: 1 out of 36 outside of QC limits
Semi-volatiles: 0 out of 60 outside of QC limits
Pesticides: 0 out of 0 outside of QC limits

Comments: NA - fraction not analyzed. No Pesticides

FORM II

ENVIRONMENTAL PROTECTION AGENCY

Office of Enforcement

REGION 6
First International Bldg., 1201 Elm St.
Dallas, Texas 75270

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME
6518	North Cavalcade

SAMPLERS: (Signature) Tony Stellar

8611-063

STA. NO. NCS-001	DATE 1986	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	80ml glass, Xtrace (H2O)	40ml glass, VOA (H2O)					REMARKS EPA#	REMARKS Jag #
GW14-099	11/24	1352		✓	Trip Blank	2		2					FD022	6-21086, 6-21085
GW13-002	11/23	1230		✓	Well 13 - Duplicate	4	2	2					FD013	6-21138, 6-21136, 6-21139, 6-21137
GW12-001	11/23	1120		✓	Well 12	4	2	2					FD014	6-21147, 6-21142, 6-21145, 6-21143
GW12-098	11/23	1140		✓	Field Blank	4	2	2					FD015	6-21099, 6-21097, 6-21100, 6-21098

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Tony Stellar	11/24/86 1435				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
		Peter S. Sablan	11/26/86 0900	Organics Assay FEC# 1599115 895	

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

6—7702

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

DOE Code W 6538-0 B

8611-0617

REGION 6
First International Bldg., 1201 Elm St.
Dallas, Texas 75270

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME
6538	North Cavalcade

SAMPLERS: (Signature) Tony Stelair

STA. NO. WCS-SL-	DATE 1986	TIME	COMP	GRAB	STATION LOCATION	NO OF CONTAINERS	8oz glass, Hermet (Soil)	40z glass, VOA (Soil)					REMARKS EPA #	REMARKS Lab #
OW16-002	11/22	0956		✓	Observation Well 16 22'-24'	3	1	2					FD009	G-21125 G-21126 G-21127
~~OW15-001~~ TRIP BLANK	~~11/24~~	~~0950~~												
OW15-001	11/24	0950		✓	Observation Well 15 33'-35'	3	1	2					FD018	G-21057 G-21058 G-21081

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Tony Stelair	11/25/86 0800				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) Helen A. Jackson	Date / Time 11/26/86 0945	Remarks Organics Aurex Corp FEC # 1599115910	

Distribution: Original Accompanies Shipment, Copy to Coordinator Field Files

003167

ATTACHMENT I

DOCUMENT INVENTORY
EPA CLP

CASE#: 6538
REGION#: VI

Acurex ID#: 8611-067
8611-063

Document Code		Number	Comment (Discrepancies, etc)
DOCUMENT VERIFICATION LOG	- A	✓ 1	
CHAIN-OF-CUSTODY	- B	✓ 3	
TRAFFIC REPORTS	- C	✓ 10	
SAMPLE TAGS	- D	✓ 34	
AIRBILL	- E	✓ 2	
TRAVELER	- F	✓ 2	
PREPARATION BENCH SHEET (cc.)	- G	✓ 2	
PREPARATION LOG BOOK (cc.)	- H		
INSTRUMENT LOG BOOK (cc.)	- I	✓ 7	
EXTRACT LOG	- J		
INTERNAL MEMOS	- K	✓ 1	
EXTERNAL COMMUNICATION	- L		
MISCELLANEOUS	- M	✓ 1	
FINAL REPORT	-FR	511 Pages	
FINAL REPORT AIRBILL	-FRA	✓ 2	
RAW DATA	-RD	✓ 2 pkgs.	
PACKING SLIP (SAS)	-PS		

DOCUMENT LOG SHEET 8611-067 / 8611-065

CASE # 6538 PROJECT # SAMPLE CUSTODIAN EFREN A SABLAN

DATE RECEIVED	CHAIN-OF-CUSTODY NUMBERS	SAMPLE ID NUMBERS	TAG NUMBERS	CUSTODY SEAL CONDITION	AGREEMENT OF DOCUMENTS VER.	COMMENTS OR EXPLANATION OF DOCUMENT PROBLEMS.
11/25/86	6-7701	FD 026	6-21088 6-21087	INTACT	YES	
		FD 016	6-21056 6-21054			
			6-21064 6-21053			
		FD 017	6-21094 6-21093			
			6-21092 6-21091			
		FD 012	6-21133 6-21132			
			6-21131 6-21130			
	6-7702	FD 022	6-21044 6-21043			
		FD 013	6-21139 6-21138			
			6-21137 6-21136			
		FD 014	6-21145 6-21144			
			6-21143 6-21142			
		FD 015	6-21100 6-21099			
			6-21098 6-21097			
11/26/86	6-7725	FD 009	6-21125	INTACT	YES	
			6-21124			
			6-21127			
		FD 018	6-21057			
			6-21058			
			6-21081			

U.S. ENVIRONMENTAL PROTECTION AGENCY HWI Sample Management Office

ORGANICS TRAFFIC REPORT

Sample Number: FD 012

① **Case Number:** _____

Sample Site Name/Code: _____

② **SAMPLE CONCENTRATION** (Check One)

___ Low Concentration
___ Medium Concentration

③ **SAMPLE MATRIX** (Check One)

___ Water
___ Soil/Sediment

④ **Ship To:** 8611-063

Attn: [redacted]

Transfer Ship To:

⑤ **Regional Office:** ___

Sampling Personnel: _____ (Name)

_____ (Phone)

Sampling Date: _____ (Begin) _____ (End)

⑥ **For each sample collected specify number of containers used and mark volume level on each bottle.**

	Number of Containers	Approximate Total Volume	
Water (Extractable)			
Water (VOA)			
Soil/Sediment (Extractable)			
Soil/Sediment (VOA)			
Other			

⑦ **Shipping Information**

_____ Name of Carrier

_____ Date Shipped:

_____ Airbill Number:

⑧ **Sample Description**

___ Surface Water ___ Mixed Media
___ Ground Water ___ Solids
___ Leachate ___ Other (specify) _____

⑨ **Sample Location**

⑩ **Special Handling Instructions:** (e.g., safety precautions, hazardous nature)

DOC SODG # 6535-6-C

⑪ **Analysis Lab:**

Rec'd by: _____

Date Rec'd: _____

Sample Condition on Receipt (e.g., broken, no ice, Chain-of-Custody, etc.)

LAB FILE COPY

003170

U.S. ENVIRONMENTAL PROTECTION AGENCY HWI Sample Management Office

ORGANICS TRAFFIC REPORT

Sample Number FD 013

① **Case Number:** _____

Sample Site Name/Code: _____

② **SAMPLE CONCENTRATION** (Check One)

___ Low Concentration
___ Medium Concentration

8611-063

③ **SAMPLE MATRIX** (Check One)

___ Water
___ Soil/Sediment

④ **Ship To:**

Attn: [redacted]

Transfer Ship To:

⑤ **Regional Office:** _____

Sampling Personnel:

_____ (Name)

_____ (Phone)

Sampling Date:

_____ (Begin) (End)

⑥ **For each sample collected specify number of containers used and mark volume level on each bottle.**

	Number of Containers	Approximate Total Volume	⑪ Analysis Lab: Sample Condition on Receipt (e.g., broken, no ice, Chain-of-Custody, etc.)
Water (Extractable)			Rec'd by: [illegible] Date Rec'd: [illegible]
Water (VOA)			
Soil/Sediment (Extractable)			
Soil/Sediment (VOA)			
Other			

⑦ **Shipping Information**

_____ Name of Carrier

_____ Date Shipped:

_____ Airbill Number:

⑧ **Sample Description**

___ Surface Water ___ Mixed Media
___ Ground Water ___ Solids
___ Leachate ___ Other (specify) _____

⑨ **Sample Location**

⑩ **Special Handling Instructions:** (e.g., safety precautions, hazardous nature)

Doc. code # 6538-6-C

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U.S. ENVIRONMENTAL PROTECTION AGENCY HWI Sample Management Office

ORGANICS TRAFFIC REPORT

Sample Number FD 014

① **Case Number:** _____

Sample Site Name/Code: _____

② **SAMPLE CONCENTRATION** (Check One)

___ Low Concentration
___ Medium Concentration

8611-063

③ **SAMPLE MATRIX** (Check One)

___ Water
___ Soil/Sediment

④ **Ship To:**

Attn: [redacted]

Transfer

Ship To:

⑤ **Regional Office:** _____

Sampling Personnel:

_____ (Name)

_____ (Phone)

Sampling Date:

_____ (Begin) (End)

⑥ **For each sample collected specify number of containers used and mark volume level on each bottle.**

	Number of Containers	Approximate Total Volume	
Water (Extractable)			
Water (VOA)			
Soil/Sediment (Extractable)			
Soil/Sediment (VOA)			
Other			

⑪ **Analysis Lab:**

Rec'd by: [illegible]

Date Rec'd: [illegible]

Sample Condition on Receipt (e.g., broken, no ice, Chain-of-Custody, etc.)

⑦ **Shipping Information**

_____ Name of Carrier

_____ Date Shipped:

_____ Airbill Number:

⑧ **Sample Description**

___ Surface Water ___ Mixed Media
___ Ground Water ___ Solids
___ Leachate ___ Other (specify) _____

⑨ **Sample Location**

⑩ **Special Handling Instructions:**
(e.g., safety precautions, hazardous nature)

Doc. Cont # 6538-6-C

LAB FILE COPY

003172

U.S. ENVIRONMENTAL PROTECTION AGENCY HWI Sample Management Office

ORGANICS TRAFFIC REPORT

Sample Number FD 015

① **Case Number:**

Sample Site Name/Code:

② **SAMPLE CONCENTRATION** (Check One)

___ Low Concentration
___ Medium Concentration

8611-063

③ **SAMPLE MATRIX** (Check One)

___ Water
___ Soil/Sediment

④ **Ship To:**

Attn:

[redacted]

Transfer
Ship To:

⑤ **Regional Office:** ____

Sampling Personnel:

(Name)

(Phone)

Sampling Date:

(Begin) (End)

⑥ **For each sample collected specify number of containers used and mark volume level on each bottle.**

	Number of Containers	Approximate Total Volume	⑪ Analysis Lab: Sample Condition on Receipt (e.g., broken, no ice, Chain-of-Custody, etc.)
Water (Extractable)			
Water (VOA)			
Soil/Sediment (Extractable)			
Soil/Sediment (VOA)			
Other			

Rec'd by:

Date Rec'd:

⑦ **Shipping Information**

Name of Carrier

Date Shipped:

Airbill Number:

⑧ **Sample Description**

___ Surface Water ___ Mixed Media
___ Ground Water ___ Solids
___ Leachate ___ Other (specify) ____

⑨ **Sample Location**

⑩ **Special Handling Instructions:**
(e.g., safety precautions, hazardous nature)

Doc. covered 6536-6-C

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

ORGANICS TRAFFIC REPORT

Sample Number
FD 016

① **Case Number:**

Sample Site Name/Code:

② **SAMPLE CONCENTRATION**
(Check One)

___ Low Concentration
___ Medium Concentration

8611-063

③ **SAMPLE MATRIX**
(Check One)

___ Water
___ Soil/Sediment

④ **Ship To:**

Attn:

Transfer
Ship To:

⑤ **Regional Office:**

Sampling Personnel:

(Name)

(Phone)

Sampling Date:

(Begin) (End)

⑥ **For each sample collected specify number of containers used and mark volume level on each bottle.**

	Number of Containers	Approximate Total Volume	Sample Condition on Receipt (e.g., broken, no ice, Chain-of-Custody, etc.)
Water (Extractable)			
Water (VOA)			
Soil/Sediment (Extractable)			
Soil/Sediment (VOA)			
Other			

⑪ **Analysis Lab:**
Rec'd by:
Date Rec'd:

⑦ **Shipping Information**

Name of Carrier

Date Shipped:

Airbill Number:

⑧ **Sample Description**

___ Surface Water ___ Mixed Media
___ Ground Water ___ Solids
___ Leachate ___ Other (specify) _____

⑨ **Sample Location**

⑩ **Special Handling Instructions:**
(e.g., safety precautions, hazardous nature)

Doc. Code # 6T35-6-C

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003174

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

ORGANICS TRAFFIC REPORT

Sample Number
FD 017

① Case Number:

Sample Site Name/Code:

② SAMPLE CONCENTRATION
(Check One)
___ Low Concentration
___ Medium Concentration

8611-063

③ SAMPLE MATRIX
(Check One)
___ Water
___ Soil/Sediment

④ Ship To:

Attn:

[redacted]

Transfer
Ship To:

⑤ Regional Office: ____

Sampling Personnel:

(Name)

(Phone)

Sampling Date:

(Begin) (End)

⑥ For each sample collected specify number of containers used and mark volume level on each bottle.

	Number of Containers	Approximate Total Volume
Water (Extractable)		
Water (VOA)		
Soil/Sediment (Extractable)		
Soil/Sediment (VOA)		
Other		

⑦ Shipping Information

Name of Carrier:

Date Shipped:

Airbill Number:

⑪ Analysis Lab:
Rec'd by:
Date Rec'd:
Sample Condition on Receipt (e.g., broken, no ice, Chain-of-Custody, etc.)

⑧ Sample Description

___ Surface Water ___ Mixed Media
___ Ground Water ___ Solids
___ Leachate ___ Other (specify) ____

⑨ Sample Location

⑩ Special Handling Instructions:
(e.g., safety precautions, hazardous nature)

Doc. Code # 6784-6-C

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

ORGANICS TRAFFIC REPORT

Sample Number
FD 022

① Case Number:

Sample Site Name/Code:

② SAMPLE CONCENTRATION
(Check One)
___ Low Concentration
___ Medium Concentration

③ SAMPLE MATRIX
(Check One)
___ Water
___ Soil/Sediment

④ Ship To:
8611-063
Attn:
[redacted]
Transfer
Ship To:

⑤ Regional Office: ____
Sampling Personnel:
(Name)
(Phone)
Sampling Date:
(Begin) (End)

⑥ For each sample collected specify number of containers used and mark volume level on each bottle.

	Number of Containers	Approximate Total Volume
Water (Extractable)		
Water (VOA)		
Soil/Sediment (Extractable)		
Soil/Sediment (VOA)		
Other		

⑦ Shipping Information
Name of Carrier
Date Shipped:
Airbill Number:

⑪ Analysis Lab:
Rec'd by:
Date Rec'd:
Sample Condition on Receipt (e.g., broken, no ice, Chain-of-Custody, etc.)

⑧ Sample Description
___ Surface Water ___ Mixed Media
___ Ground Water ___ Solids
___ Leachate ___ Other (specify) ___

⑨ Sample Location

⑩ Special Handling Instructions:
(e.g., safety precautions, hazardous nature)

Doc. code # 6736-6-C

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U.S. ENVIRONMENTAL PROTECTION AGENCY HWI Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313—703 557 2490 • FTS 557 2490

ORGANICS TRAFFIC REPORT

Sample Number
FD 025

① Case Number:

Sample Site Name/Code:

② SAMPLE CONCENTRATION
(Check One)
___ Low Concentration
___ Medium Concentration

8611-063

③ SAMPLE MATRIX
(Check One)
___ Water
___ Soil/Sediment

④ Ship To:

Attn:

[redacted]

Transfer
Ship To:

⑤ Regional Office: ___
Sampling Personnel:
(Name)
(Phone)
Sampling Date:
(Begin) (End)

⑥ For each sample collected specify number of containers used and mark volume level on each bottle.

	Number of Containers	Approximate Total Volume
Water (Extractable)		
Water (VOA)		
Soil/Sediment (Extractable)		
Soil/Sediment (VOA)		
Other		

⑪ Analysis Lab:
Rec'd by:
Date Rec'd:
Sample Condition on Receipt (e.g., broken, no ice, Chain-of-Custody, etc.)

⑦ Shipping Information
Name of Carrier
Date Shipped:
Airbill Number:

⑧ Sample Description
___ Surface Water ___ Mixed Media
___ Ground Water ___ Solids
___ Leachate ___ Other (specify) ___

⑨ Sample Location

⑩ Special Handling Instructions:
(e.g., safety precautions, hazardous nature)

Doc. code = 6538-6-C

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003177

U.S. ENVIRONMENTAL PROTECTION AGENCY HWI Sample Management Office
[illegible]

ORGANICS TRAFFIC REPORT

Sample Number FD 009

① **Case Number:**

Sample Site Name/Code:

② **SAMPLE CONCENTRATION**
(Check One)

___ Low Concentration
___ Medium Concentration 8611-067

③ **SAMPLE MATRIX**
(Check One)

___ Water
___ Soil/Sediment

④ **Ship To:**

Attn: [redacted]

Transfer
Ship To:

⑤ **Regional Office:**

Sampling Personnel:

(Name)

(Phone)

Sampling Date:

(Begin) (End)

⑥ **For each sample collected specify number of containers used and mark volume level on each bottle.**

	Number of Containers	Approximate Total Volume	⑪ Analysis Lab: Sample Condition on Receipt (e.g., broken, no ice, Chain-of-Custody, etc.)
Water (Extractable)			
Water (VOA)			
Soil/Sediment (Extractable)			
Soil/Sediment (VOA)			
Other			

Rec'd by:

Date Rec'd:

⑦ **Shipping Information**

Name of Carrier

Date Shipped:

Airbill Number:

⑧ **Sample Description**

___ Surface Water ___ Mixed Media
___ Ground Water ___ Solids
___ Leachate ___ Other (specify) _____

⑨ **Sample Location**

⑩ **Special Handling Instructions:**
(e.g., safety precautions, hazardous nature)

Doc. Code # 6538-6-C

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U.S. ENVIRONMENTAL PROTECTION AGENCY HWI Sample Management Office

ORGANICS TRAFFIC REPORT

Sample Number FD 013

① **Case Number:** _____

Sample Site Name/Code: _____

② **SAMPLE CONCENTRATION** (Check One)

___ Low Concentration
___ Medium Concentration

③ **SAMPLE MATRIX** (Check One)

___ Water
___ Soil/Sediment

④ **Ship To:**

8611-067

Attn: [redacted]

Transfer Ship To:

⑤ **Regional Office:** _____

Sampling Personnel:

_____ (Name)

_____ (Phone)

Sampling Date:

_____ (Begin) (End)

⑥ **For each sample collected specify number of containers used and mark volume level on each bottle.**

	Number of Containers	Approximate Total Volume	Sample Condition on Receipt (e.g., broken, no ice, Chain-of-Custody, etc.)
Water (Extractable)			
Water (VOA)			
Soil/Sediment (Extractable)			
Soil/Sediment (VOA)			
Other			

⑦ **Shipping Information**

_____ Name of Carrier

_____ Date Shipped:

_____ Airbill Number:

⑪ **Analysis Lab:**

Rec'd by: _____

Date Rec'd: _____

⑧ **Sample Description**

___ Surface Water ___ Mixed Media
___ Ground Water ___ Solids
___ Leachate ___ Other (specify) _____

⑨ **Sample Location**

⑩ **Special Handling Instructions:** (e.g., safety precautions, hazardous nature)

DOC. CODE # 6538-6-C

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