ORGANICS ANALYSIS DATA SHEET SAMPLE #: CJ367

C0059

ORIGINAL (Red)

LABORATORY: WCAS
CASE #/SAS #: 7548

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	Scan	Estimated Conc(J)
1.		None found	VOA		
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I, PART B

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CJ367

ORIGINAL (Red)

C0070

LABORATORY: WCAS
CASE #/SAS #: 7548

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	Scan	Estimated Conc(J)
1.	—	ETHYLMETHYLBENZENE ISOMER	BNA	509	10
2.	—	TRIMETHYLBENZENE ISOMER	BNA	557	6
3.	—	METHYLINDAN ISOMER	BNA	626	5
4.	—	UNKNOWN	BNA	691	4
5.	—	UNKNOWN	BNA	842	5
6.	—	UNKNOWN	BNA	872	9
7.	—	UNKNOWN	BNA	906	6
8.	—	UNKNOWN	BNA	922	8
9.	—	METHYL NAPHTHYL KETONE	BNA	1080	6
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I, PART B

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CJ368

C0111

ORIGINAL (Red)

LABORATORY: WCAS
LABORATORY ID: 6395V6
MATRIX: WATER

CASE #/SAS #: 7548
QC REPORT #: 7548-1
CONTRACT #: 68-01-7110
DATE RECEIVED: 07/01/87

DATA RELEASE AUTHORIZED BY: [signature]

VOLATILE COMPOUNDS

LEVEL:	LOW
DATE EXT/PREP:	07/07/87
DATE ANALYZED:	07/07/87
CONC/DIL FACTOR:	1:25
PH:	NA
% MOISTURE:	NA
% MOISTURE (DECANTED):	NA
STANDARD ID:	VOA514
SENSITIVITY ID:	BFB137

CAS #		UG/L	
74-87-3	CHLOROMETHANE	300.	U
74-83-9	BROMOMETHANE	300.	U
75-01-4	VINYL CHLORIDE	300	U
75-00-3	CHLOROETHANE	300	U
75-09-2	METHYLENE CHLORIDE	100.	U
67-64-1	ACETONE	300	U
75-15-0	CARBON DISULFIDE	100.	U
75-35-4	1,1-DICHLOROETHENE	100	U
75-34-3	1,1-DICHLOROETHANE	100	U
156-60-5	TRANS-1,2-DICHLOROETHENE	4100	
67-66-3	CHLOROFORM	390	
107-06-2	1,2-DICHLOROETHANE	100	U
78-93-3	2-BUTANONE	300	U
71-55-6	1,1,1-TRICHLOROETHANE	100	U
56-23-5	CARBON TETRACHLORIDE	100	U
108-05-4	VINYL ACETATE	300	U
75-27-4	BROMODICHLOROMETHANE	100	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	100	U
78-87-5	1,2-DICHLOROPROPANE	100	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	100.	U
79-01-6	TRICHLOROETHENE	1000	
124-48-1	CHLORODIBROMOMETHANE	100	U
79-00-5	1,1,2-TRICHLOROETHANE	100	U
71-43-2	BENZENE	100	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	100	U
110-75-8	2-CHLOROETHYLVINYL ETHER	300	U
75-25-2	BROMOFORM	100	U
519-78-6	2-HEXANONE	300.	U
108-10-1	4-METHYL-2-PENTANONE	300.	U
127-18-4	TETRACHLOROETHENE	510	
108-88-3	TOLUENE	100.	U
108-90-7	CHLOROBENZENE	100	U
100-41-4	ETHYLBENZENE	100	U
100-42-5	STYRENE	100.	U
95-47-6	TOTAL XYLENES	100	U

RESULTS ARE REPORTED ON A WET WEIGHT BASIS.

FORM I

ORIGINAL (Red)

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CJ368

LABORATORY: WCAS
LABORATORY ID: 6395B7
MATRIX: WATER

CASE #/SAS #: 7548
QC REPORT #: 7548-2
CONTRACT #: 68-01-7110
DATE RECEIVED: 07/01/87

DATA RELEASE AUTHORIZED BY: _____

SEMIVOLATILE COMPOUNDS (PAGE 1)

LEVEL:	LOW	GPC CLEANUP	__YES X NO
DATE EXT/PREP:	07/02/87	SEPARATORY EXTRACTION	__YES
DATE ANALYZED:	07/21/87	CONTINUOUS EXTRACTION	X YES
CONC/DIL FACTOR:	1		
PH:	NA		
% MOISTURE:	NA		
% MOISTURE (DECANTED):	NA		
STANDARD ID:	BNAZ166		
SENSITIVITY ID:	DFTPP43		

CAS #		UG/L	
108-95-2	PHENOL	10.	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10.	U
95-57-8	2-CHLOROPHENOL	10.	U
541-73-1	1,3-DICHLOROBENZENE	10.	U
106-46-7	1,4-DICHLOROBENZENE	10.	U
100-51-6	BENZYL ALCOHOL	10.	U
95-50-1	1,2-DICHLOROBENZENE	10.	U
95-48-7	2-METHYLPHENOL	10.	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	10.	U
106-44-5	4-METHYLPHENOL	10.	U
621-64-7	N-NITROSODIPROPLYAMINE	10.	U
67-72-1	HEXACHLOROETHANE	10.	U
98-95-3	NITROBENZENE	10.	U
78-59-1	ISOPHORONE	10.	U
88-75-5	2-NITROPHENOL	10	U
105-67-9	2,4-DIMETHYLPHENOL	10.	U
65-85-0	BENZOIC ACID	50.	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10.	U
120-33-2	2,4-DICHLOROPHENOL	10.	U
120-82-1	1,2,4-TRICHLOROBENZENE	10.	U
91-20-3	NAPHTHALENE	10.	U
106-47-8	4-CHLOROANILINE	10.	U
87-68-3	HEXACHLOROBUTADIENE	10.	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10.	U
91-57-6	2-METHYLNAPHTHALENE	10.	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	10.	U
88-06-2	2,4,6-TRICHLOROPHENOL	10.	U
95-95-4	2,4,5-TRICHLOROPHENOL	50.	U
91-58-7	2-CHLORONAPHTHALENE	10.	U
88-74-4	2-NITROANILINE	50.	U
131-11-3	DIMETHYL PHTHALATE	10.	U
208-96-8	ACENAPHTHYLENE	10.	U
99-09-2	3-NITROANILINE	50.	U
83-32-9	ACENAPHTHENE	10.	U
51-28-5	2,4-DINITROPHENOL	50.	U
100-02-7	4-NITROPHENOL	50.	U
132-64-9	DIBENZOFURAN	10.	U

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CJ368

C0113

ORIGINAL (Red)

LABORATORY: WCAS
LABORATORY ID: 6395B7
MATRIX: WATER

CASE #/SAS #: 7548
QC REPORT #: 7548-2
CONTRACT #: 68-01-7110
DATE RECEIVED: 07/01/87

DATA RELEASE AUTHORIZED BY:

SEMIVOLATILE COMPOUNDS (PAGE 2)

LEVEL:	LOW	GPC CLEANUP	__YES X NO
DATE EXT/PREP:	07/02/87	SEPARATORY EXTRACTION	__YES
DATE ANALYZED:	07/21/87	CONTINUOUS EXTRACTION	X YES
CONC/DIL FACTOR:	1		
PH:	NA		
% MOISTURE:	NA		
% MOISTURE (DECANTED):	NA		
STANDARD ID:	BNAZ166		
SENSITIVITY ID:	DFTPP43		

CAS #		UG/L		
121-14-2	2,4-DINITROTOLUENE	10.	U	
606-20-2	2,6-DINITROTOLUENE	10.	U	
84-66-2	DIETHYL PHTHALATE	10.	U	
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	10.	U	
86-73-7	FLUORENE	10.	U	
100-01-6	4-NITROANILINE	50.	U	
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50.	U	
86-30-6	N-NITROSODIPHENYLAMINE	10.	U	
101-55-3	4-BROMOPHENYL PHENYL ETHER	10.	U	
118-74-1	HEXACHLOROBENZENE	10.	U	
87-86-5	PENTACHLOROPHENOL	50.	U	
85-01-8	PHENANTHRENE	10.	U	
120-12-7	ANTHRACENE	10.	U	
84-74-2	DI-N-BUTYL PHTHALATE	1.	J	B
206-44-0	FLUORANTHENE	10.	U	
129-00-0	PYRENE	10.	U	
85-68-7	BUTYL BENZYL PHTHALATE	10.	U	
91-94-1	3,3'-DICHLOROBENZIDINE	20.	U	
56-55-3	BENZO(A)ANTHRACENE	10.	U	
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	7.	J	B
218-01-9	CHRYSENE	10.	U	
117-84-0	DI-N-OCTYL PHTHALATE	10.	U	
205-99-2	BENZO(B)FLUORANTHENE	10.	U	
207-08-9	BENZO(K)FLUORANTHENE	10.	U	
50-32-8	BENZO(A)PYRENE	10.	U	
193-39-5	INDENO(1,2,3-CD)PYRENE	10.	U	
53-70-3	DIBENZO(A,H)ANTHRACENE	10.	U	
191-24-2	BENZO(GHI)PERYLENE	10.	U	

RESULTS ARE REPORTED ON A WET WEIGHT BASIS.

FORM I

ORIGINAL (Red)

Laboratory WCAS
Contract 68-01-7110

Sample CJ368
A395018

Organics Analysis Data Sheet
(Page 3)
Pesticides/PCBs

Concentration		LOW	WATER
Date Extracted/Prepared:		02 JUL 87	
Date Analyzed:		17 JUL 87	
Sample Volume/Weight:		1000	mL
Total Extract Volume:		10	mL
% Moisture:		100	
Conc/Dil Factor:	1		

CAS #		ug/L	
319-85-6	Alpha-BHC	.05	U
319-85-7	Beta-BHC	.05	U
319-86-8	Delta-BHC	.05	U
58-89-9	Gamma-BHC(Lindane)	.05	U
76-44-8	Heptachlor	.05	U
309-00-2	Aldrin	.05	U
1024-57-3	Heptachlor Epoxide	.05	U
959-98-8	Endosulfan I	.05	U
60-57-1	Dieldrin	.1	U
72-55-9	4,4'-DDE	.1	U
72-20-8	Endrin	.1	U
3321-65-9	Endosulfan II	.1	U
72-54-8	4,4'-DDD	.1	U
7421-93-4	Endrin Aldehyde	.1	U
1031-07-8	Endosulfan Sulfate	.1	U
50-29-3	4,4'-DDT	.1	U
72-43-5	Methoxychlor	.5	U
53494-70-5	Endrin Ketone	.1	U
57-74-9	Chlordane	.5	U
8001-35-2	Toxaphene	1	U
12674-11-2	Aroclor-1016	.5	U
11104-28-2	Aroclor-1221	.5	U
11141-16-5	Aroclor-1232	.5	U
53469-21-9	Aroclor-1242	.5	U
12672-29-6	Aroclor-1248	.5	U
11097-69-1	Aroclor-1254	1	U
11096-82-5	Aroclor-1260	1	U

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CJ368

0115

ORIGINAL (Red)

LABORATORY: WCAS
CASE #/SAS #: 7548

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	Scan	Estimated Conc(J)
1.		None found	VOA		
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11					
12					
13					
14					
15					
16					
17					
18.					
19					
20.					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

FORM I, PART B

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CJ368

CO110
ORIGINAL
(Red)

LABORATORY: WCAS
CASE #/SAS #: 7548

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	Scan	Estimated Conc(J)
1.	—	Unknown	BNA	840	5
2.	—	Unknown	BNA	870	10 B
3.	—	Unknown	BNA	905	7
4.	—	Unknown	BNA	922	9
5.					
6.					
7.					
8.					
9.					
10.					
11					
12					
13.					
14					
15.					
16.					
17.					
18.					
19.					
20.					
21					
22.					
23					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I, PART B

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CJ369

00154

ORIGINAL (Red)

LABORATORY: WCAS
LABORATORY ID: 6395V7
MATRIX: WATER

CASE #/SAS #: 7548
QC REPORT #: 7548-1
CONTRACT #: 68-01-7110
DATE RECEIVED: 07/01/87

DATA RELEASE AUTHORIZED BY:

VOLATILE COMPOUNDS

LEVEL:	LOW
DATE EXT/PREP:	07/07/87
DATE ANALYZED:	07/07/87
CONC/DIL FACTOR:	1
PH:	NA
% MOISTURE:	NA
% MOISTURE (DECANTED):	NA
STANDARD ID:	VOA514
SENSITIVITY ID:	BFB137

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

RESULTS ARE REPORTED ON A WET WEIGHT BASIS.

FORM I

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CJ369

C0155
ORIGINAL
(Red)

LABORATORY: WCAS
LABORATORY ID: 6395B8
MATRIX: WATER

CASE #/SAS #: 7548
QC REPORT #: 7548-2
CONTRACT #: 68-01-7110
DATE RECEIVED: 07/01/87

DATA RELEASE AUTHORIZED BY: [signature]

SEMIVOLATILE COMPOUNDS (PAGE 1)

LEVEL:	LOW	GPC CLEANUP	__YES X NO
DATE EXT/PREP:	07/02/87	SEPARATORY EXTRACTION	__YES
DATE ANALYZED:	07/21/87	CONTINUOUS EXTRACTION	X YES
CONC/DIL FACTOR:	1		
PH:	NA		
% MOISTURE:	NA		
% MOISTURE (DECANTED):	NA		
STANDARD ID:	BNAZ166		
SENSITIVITY ID:	DFTPP43		

CAS #		UG/L	
108-95-2	PHENOL	10.	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10.	U
95-57-8	2-CHLOROPHENOL	10.	U
541-73-1	1,3-DICHLOROBENZENE	10.	U
106-46-7	1,4-DICHLOROBENZENE	10.	U
100-51-6	BENZYL ALCOHOL	10.	U
95-50-1	1,2-DICHLOROBENZENE	10.	U
95-48-7	2-METHYLPHENOL	10.	U
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	10.	U
106-44-5	4-METHYLPHENOL	10.	U
621-64-7	N-NITROSODIPROPLYAMINE	10.	U
67-72-1	HEXACHLOROETHANE	10.	U
98-95-3	NITROBENZENE	10.	U
78-59-1	ISOPHORONE	10.	U
88-75-5	2-NITROPHENOL	10.	U
105-67-9	2,4-DIMETHYLPHENOL	10.	U
65-85-0	BENZOIC ACID	50.	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10.	U
120-33-2	2,4-DICHLOROPHENOL	10.	U
120-82-1	1,2,4-TRICHLOROBENZENE	10.	U
91-20-3	NAPHTHALENE	10.	U
106-47-8	4-CHLOROANILINE	10.	U
87-68-3	HEXACHLOROBUTADIENE	10.	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10.	U
91-57-6	2-METHYLNAPHTHALENE	10.	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	10.	U
88-06-2	2,4,6-TRICHLOROPHENOL	10.	U
95-95-4	2,4,5-TRICHLOROPHENOL	50.	U
91-58-7	2-CHLORONAPHTHALENE	10.	U
88-74-4	2-NITROANILINE	50.	U
131-11-3	DIMETHYL PHTHALATE	10.	U
208-96-8	ACENAPHTHYLENE	10.	U
99-09-2	3-NITROANILINE	50.	U
83-32-9	ACENAPHTHENE	10.	U
51-28-5	2,4-DINITROPHENOL	50.	U
100-02-7	4-NITROPHENOL	50.	U
132-64-9	DIBENZOFURAN	10.	U

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CJ369

00155

ORIGINAL (Red)

LABORATORY: WCAS
LABORATORY ID: 6395B8
MATRIX: WATER

CASE #/SAS #: 7548
QC REPORT #: 7548-2
CONTRACT #: 68-01-7110
DATE RECEIVED: 07/01/87

DATA RELEASE AUTHORIZED BY: [signature]

SEMIVOLATILE COMPOUNDS (PAGE 2)

LEVEL:	LOW	GPC CLEANUP	__YES X NO
DATE EXT/PREP:	07/02/87	SEPARATORY EXTRACTION	__YES
DATE ANALYZED:	07/21/87	CONTINUOUS EXTRACTION	X YES
CONC/DIL FACTOR:	1		
PH:	NA		
% MOISTURE:	NA		
% MOISTURE (DECANTED):	NA		
STANDARD ID:	BNAZ166		
SENSITIVITY ID:	DFTPP43		

CAS #		UG/L	
121-14-2	2,4-DINITROTOLUENE	10.	U
606-20-2	2,6-DINITROTOLUENE	10.	U
84-66-2	DIETHYL PHTHALATE	10.	U
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	10.	U
86-73-7	FLUORENE	10.	U
100-01-6	4-NITROANILINE	50.	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50.	U
86-30-6	N-NITROSODIPHENYLAMINE	10.	U
101-55-3	4-BROMOPHENYL PHENYL ETHER	10.	U
118-74-1	HEXACHLOROBENZENE	10.	U
87-86-5	PENTACHLOROPHENOL	50.	U
85-01-8	PHENANTHRENE	10.	U
120-12-7	ANTHRACENE	10.	U
84-74-2	DI-N-BUTYL PHTHALATE	10.	U
206-44-0	FLUORANTHENE	10.	U
129-00-0	PYRENE	10.	U
85-68-7	BUTYL BENZYL PHTHALATE	10.	U
91-94-1	3,3'-DICHLOROBENZIDINE	20.	U
56-55-3	BENZO(A)ANTHRACENE	10.	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	6.	J B
218-01-9	CHRYSENE	10.	U
117-84-0	DI-N-OCTYL PHTHALATE	10.	U
205-99-2	BENZO(B)FLUORANTHENE	10.	U
207-08-9	BENZO(K)FLUORANTHENE	10	U
50-32-8	BENZO(A)PYRENE	10.	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10.	U
53-70-3	DIBENZO(A,H)ANTHRACENE	10.	U
191-24-2	BENZO(GHI)PERYLENE	10.	U

RESULTS ARE REPORTED ON A WET WEIGHT BASIS.

FORM I

C015

ORIGINAL (Red)

Laboratory WCAS Sample CJ369
Contract 68-01-7110 A395024

Organics Analysis Data Sheet
(Page 3)
Pesticides/PCBs

Concentration		LOW	WATER
Date Extracted/Prepared:	02 JUL 87		
Date Analyzed:	18 JUL 87		
Sample Volume/Weight:		1000	mL
Total Extract Volume:		10	mL
% Moisture:		100	
Conc/Dil Factor:	1		

CAS #		ug/L	
319-85-6	Alpha-BHC	.05	U
319-85-7	Beta-BHC	.05	U
319-86-8	Delta-BHC	.05	U
58-89-9	Gamma-BHC(Lindane)	.05	U
76-44-8	Heptachlor	.05	U
309-00-2	Aldrin	.05	U
1024-57-3	Heptachlor Epoxide	.05	U
959-98-8	Endosulfan I	.05	U
60-57-1	Dieldrin	.1	U
72-55-9	4,4'-DDE	.1	U
72-20-8	Endrin	.1	U
3321-65-9	Endosulfan II	.1	U
72-54-8	4,4'-DDD	.1	U
7421-93-4	Endrin Aldehyde	.1	U
1031-07-8	Endosulfan Sulfate	.1	U
50-29-3	4,4'-DDT	.1	U
72-43-5	Methoxychlor	.5	U
53494-70-5	Endrin Ketone	.1	U
57-74-9	Chlordane	.5	U
8001-35-2	Toxaphene	1	U
12674-11-2	Arochlor-1016	.5	U
11104-28-2	Arochlor-1221	.5	U
11141-16-5	Arochlor-1232	.5	U
53469-21-9	Arochlor-1242	.5	U
12672-29-6	Arochlor-1248	.5	U
11097-69-1	Arochlor-1254	1	U
11096-82-5	Arochlor-1260	1	U

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CJ369

CD158

ORIGINAL (Red)

LABORATORY: WCAS
CASE #/SAS #: 7548

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	Scan	Estimated Conc(J)
1.		None found	VOA		
2.					
3					
4.					
5.					
6.					
7.					
8.					
9.					
0.					
11.					
12					
13					
14					
15					
16					
17.					
18					
19					
20.					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30.					

FORM I, PART B

ORGANICS ANALYSIS DATA SHEET SAMPLE #: CJ369

00159

ORIGINAL (Red)

LABORATORY: WCAS
CASE #/SAS #: 7548

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	Scan	Estimated Conc(J)
1.		None found	NA		
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I, PART B

ORIGINAL (Red)

INORGANIC ANALYSIS DATA SHEET

FORM I

EPA SMPL NO. : MCK-365

Lab Name : NANCO LABORATORIES, INC.

Case NO. : 7548

SOW NO. : 785

Lab Receipt Date : 07/01/87

Lab Sample ID: 7548-MCK-365-558

Date Reported: 7/27/87

QC Batch: 558

ELEMENTS IDENTIFIED AND MEASURED

CONCENTRATION : LOW __X__ MEDIUM _____

MATRIX : WATER __X__ SOIL _____ SLUDGE ____ OTHER _____

UG/L OR MG/KG DRY WEIGHT (CIRCLE ONE)

1.	ALUMINUM	10240 P	13.	MAGNESIUM	16200 P
2.	ANTIMONY	145 P	14.	MANGANESE	1812 P
3.	ARSENIC	5 UF	15.	MERCURY	0.2 U C.V.N
4.	BARIUM	314 P	16.	NICKEL	30 UPN
5.	BERYLLIUM	2 PN	17.	POTASSIUM	[3200]P
6.	CADMIUM	9 P	18.	SELENIUM	50 UFN (1:10)
7.	CALCIUM	42700 P	19.	SILVER	10 UP
8.	CHROMIUM	30 P	20.	SODIUM	47100 P
9.	COBALT	86 P	21.	THALLIUM	5 UF
10.	COPPER	180 P	22.	VANADIUM	30 UP
11.	IRON	43300 P	23.	ZINC	4574 P
12.	LEAD	52 SFN		PRECENT SOLIDS (%)	N/A
	CYANIDE	10 UTN			

FOOTNOTES : FOR REPORTING RESULTS STANDARD RESULT QUALIFIERS ARE USED AS DEFINED ON PAGE 2.

COMMENTS : The sample was a clear liquid and remained clear after digestion procedures. Se was run at a 1:10 dilution.

Deborah H. [illegible]

LAB MANAGER

INORGANIC ANALYSIS DATA SHEET
FORM I

EPA SMPL NO. : MCK-366 ORIGINAL (Red)

Lab Name : NANCO LABORATORIES, INC.

Case NO. : 7548

SOW NO. : 785

Lab Receipt Date : 07/01/87

Lab Sample ID: 7548-MCK-366-558

Date Reported: 7/27/87

QC Batch: 558

ELEMENTS IDENTIFIED AND MEASURED

CONCENTRATION : LOW __X__ MEDIUM _____

MATRIX : WATER __X__ SOIL _____ SLUDGE _____ OTHER _____

UG/L OR MG/KG DRY WEIGHT (CIRCLE ONE)

1. ALUMINUM	100 UP	13. MAGNESIUM	9000 P
2. ANTIMONY	30 UP	14. MANGANESE	90 P
3. ARSENIC	5 UF	15. MERCURY	0.2 U C.V.N
4. BARIUM	[40]P	16. NICKEL	30 UPN
5. BERYLLIUM	2 UPN	17. POTASSIUM	[2200]P
6. CADMIUM	5 UP	18. SELENIUM	5 UFN
7. CALCIUM	21000 P	19. SILVER	10 UP
8. CHROMIUM	10 UP	20. SODIUM	40400 P
9. COBALT	25 UP	21. THALLIUM	5 UF
10. COPPER	15 UP	22. VANADIUM	30 UP
11. IRON	117 P	23. ZINC	20 P
12. LEAD	5 UFN	PRECENT SOLIDS (%)	N/A
CYANIDE	10 UTN		

FOOTNOTES : FOR REPORTING RESULTS STANDARD RESULT QUALIFIERS ARE USED AS DEFINED ON PAGE 2.

COMMENTS : The sample was a clear liquid and remained clear after digestion procedure.

Deborah A. [illegible]

LAB MANAGER

INORGANIC ANALYSIS DATA SHEET
FORM I

EPA SMPL NO. : MCK-367

ORIGINAL (Red)

Lab Name : NANCO LABORATORIES, INC.

Case NO. : 7548

SOW NO. : 785

Lab Receipt Date : 07/01/87

Lab Sample ID: 7548-MCK-367-558

Date Reported: 7/27/87

QC Batch: 558

ELEMENTS IDENTIFIED AND MEASURED

CONCENTRATION : LOW __X__ MEDIUM _____

MATRIX : WATER __X__ SOIL _____ SLUDGE _____ OTHER _____

UG/L OR MG/KG DRY WEIGHT (CIRCLE ONE)

1. ALUMINUM	100 UP	13. MAGNESIUM	24800 P
2. ANTIMONY	[44]P	14. MANGANESE	5000 P
3. ARSENIC	5 UF	15. MERCURY	0.2 U C.V.N
4. BARIUM	[113]P	16. NICKEL	30 UPN
5. BERYLLIUM	2 UPN	17. POTASSIUM	[3200]P
6. CADMIUM	5 UP	18. SELENIUM	50 UFN (1:10)
7. CALCIUM	49900 P	19. SILVER	10 UP
8. CHROMIUM	10 UP	20. SODIUM	47500 P
9. COBALT	25 UP	21. THALLIUM	5 UF
10. COPPER	15 UP	22. VANADIUM	30 UP
11. IRON	134 P	23. ZINC	[17]P
12. LEAD	5 UFN	PRECENT SOLIDS (%)	N/A
CYANIDE	10 UTN		

FOOTNOTES : FOR REPORTING RESULTS STANDARD RESULT QUALIFIERS ARE USED AS DEFINED ON PAGE 2.

COMMENTS : The sample was a clear liquid and remained clear after digestion procedure. Se was run at a 1:10 dilution.

Debbie H. [illegible]

LAB MANAGER

INORGANIC ANALYSIS DATA SHEET
FORM I

EPA SMPL NO. : MCK-368

ORIGINAL (Red)

Lab Name : NANCO LABORATORIES, INC.

Case NO. : 7548

SOW NO. : 785

Lab Receipt Date : 07/01/87

Lab Sample ID: 7548-MCK-368-558

Date Reported: 7/27/87

QC Batch: 558

ELEMENTS IDENTIFIED AND MEASURED

CONCENTRATION : LOW __X__ MEDIUM _____

MATRIX : WATER _X__ SOIL _____ SLUDGE ____ OTHER _____

UG/L OR MG/KG DRY WEIGHT (CIRCLE ONE)

1. ALUMINUM	100 UP	13. MAGNESIUM	25300 P
2. ANTIMONY	30 UP	14. MANGANESE	5082 P
3. ARSENIC	5 UF	15. MERCURY	0.2 U C.V.N
4. BARIUM	[116]P	16. NICKEL	30 UPN
5. BERYLLIUM	2 UPN	17. POTASSIUM	[3300]P
6. CADMIUM	5 UP	18. SELENIUM	5 UFN
7. CALCIUM	51400 P	19. SILVER	10 UP
8. CHROMIUM	10 UP	20. SODIUM	47900 P
9. COBALT	25 UP	21. THALLIUM	5 UF
10. COPPER	15 UP	22. VANADIUM	30 UP
11. IRON	285 P	23. ZINC	[11]P
12. LEAD	5 UFN	PRECENT SOLIDS (%)	N/A
CYANIDE	10 UTN		

FOOTNOTES : FOR REPORTING RESULTS STANDARD RESULT QUALIFIERS ARE USED AS DEFINED ON PAGE 2.

COMMENTS : The sample was clear liquid and remained clear after digestion procedures.

Deborah H. [illegible]

LAB MANAGER

INORGANIC ANALYSIS DATA SHEET

FORM I

EPA SMPL NO. : MCK-369

ORIGINAL (Red)

Lab Name : NANCO LABORATORIES, INC.

Case NO. : 7548

SOW NO. : 785

Lab Receipt Date : 07/01/87

Lab Sample ID: 7548-MCK-369-558

Date Reported: 7/27/87

QC Batch: 558

BLK

ELEMENTS IDENTIFIED AND MEASURED

CONCENTRATION : LOW __X__ MEDIUM _____

MATRIX : WATER __X__ SOIL _____ SLUDGE _____ OTHER _____

UG/L OR MG/KG DRY WEIGHT (CIRCLE ONE)

1. ALUMINUM	100 UP	13. MAGNESIUM	500 UP
2. ANTIMONY	30 UP	14. MANGANESE	10 UP
3. ARSENIC	5 UF	15. MERCURY	0.2 U C.V.N
4. BARIUM	25 UP	16. NICKEL	30 UPN
5. BERYLLIUM	2 UPN	17. POTASSIUM	1000 UP
6. CADMIUM	5 UP	18. SELENIUM	5 UFN
7. CALCIUM	1500 UP	19. SILVER	10 UP
8. CHROMIUM	10 UP	20. SODIUM	1500 UP
9. COBALT	25 UP	21. THALLIUM	5 UF
10. COPPER	15 UP	22. VANADIUM	30 UP
11. IRON	40 UP	23. ZINC	17 IP
12. LEAD	5 UFN	PRECENT SOLIDS (%)	N/A
CYANIDE	10 UTN		

FOOTNOTES : FOR REPORTING RESULTS STANDARD RESULT QUALIFIERS ARE USED AS DEFINED ON PAGE 2.

COMMENTS : The sample was a clear liquid and remained clear after digestion procedures.

Deborah A. R

LAB MANAGER

INORGANIC ANALYSIS DATA SHEET

FORM I

EPA SMPL NO. : MCK-370

ORIGINAL (Red)

Lab Name : NANCO LABORATORIES, INC.

Case NO. : 7548

SOW NO. : 785

Lab Receipt Date : 07/01/87

Lab Sample ID: 7548-MCK-370-558

Date Reported: 7/27/87

QC Batch: 558

ELEMENTS IDENTIFIED AND MEASURED

CONCENTRATION : LOW __X__ MEDIUM _____

MATRIX : WATER __X__ SOIL _____ SLUDGE _____ OTHER _____

UG/L OR MG/KG DRY WEIGHT (CIRCLE ONE)

1. ALUMINUM	1710 P	13. MAGNESIUM	13400 P
2. ANTIMONY	30 UP	14. MANGANESE	1845 P
3. ARSENIC	5 UF	15. MERCURY	0.2 U C.V.N
4. BARIUM	[56 IP	16. NICKEL	30 UPN
5. BERYLLIUM	2 PN	17. POTASSIUM	[3200 IP
6. CADMIUM	5 UP	18. SELENIUM	50 UFN (1:10)
7. CALCIUM	49000 P	19. SILVER	10 UP
8. CHROMIUM	10 UP	20. SODIUM	47500 P
9. COBALT	82 P	21. THALLIUM	5 UF
10. COPPER	15 UP	22. VANADIUM	30 UP
11. IRON	390 P	23. ZINC	2128 P
12. LEAD	25 UFN (1:5)	PRECENT SOLIDS (%)	N/A
CYANIDE	NR		

FOOTNOTES : FOR REPORTING RESULTS STANDARD RESULT QUALIFIERS ARE USED AS DEFINED ON PAGE 2.

COMMENTS : The sample was clear liquid and remained clear after digestion procedures. Pb was run at a 1:5 dilution and Se was run at a 1:10 dilution.

LAB MANAGER

INORGANIC ANALYSIS DATA SHEET

FORM I

EPA SMPL NO. : MCK-371 ORIGINAL (Red)

Lab Name : NANCO LABORATORIES, INC. Case NO. : 7548

SOW NO. : 785 Lab Receipt Date : 07/01/87

Lab Sample ID: 7548-MCK-371-558 Date Reported: 7/27/87

QC Batch: 558

ELEMENTS IDENTIFIED AND MEASURED

CONCENTRATION : LOW __X__ MEDIUM _____

MATRIX : WATER __X__ SOIL _____ SLUDGE _____ OTHER _____

UG/L OR MG/KG DRY WEIGHT (CIRCLE ONE)

1. ALUMINUM	100 UP	13. MAGNESIUM	26500 P
2. ANTIMONY	30 UP	14. MANGANESE	5572 P
3. ARSENIC	5 UF	15. MERCURY	0.2 U C.V.N
4. BARIUM	[125]P	16. NICKEL	30 UPN
5. BERYLLIUM	2UPN	17. POTASSIUM	[3400]P
6. CADMIUM	5 UP	18. SELENIUM	5 UFN
7. CALCIUM	57000 P	19. SILVER	10 UP
8. CHROMIUM	10 UP	20. SODIUM	49400 P
9. COBALT	25 UP	21. THALLIUM	5 UF
10. COPPER	15 UP	22. VANADIUM	30 UP
11. IRON	115 P	23. ZINC	40 P
12. LEAD	25 UFN (1:5)	PRECENT SOLIDS (%)	N/A
CYANIDE	NR		

FOOTNOTES : FOR REPORTING RESULTS STANDARD RESULT QUALIFIERS ARE USED AS DEFINED ON PAGE 2.

COMMENTS : The sample was a clear liquid and remained clear after digestion procedure. Pb was run at a 1:5 dilution

Deborah H. [signature]

LAB MANAGER

INORGANIC ANALYSIS DATA SHEET

FORM I

EPA SMPL NO. : MCK-486 ORIGINAL (Red)

Lab Name : NANCO LABORATORIES, INC. Case NO. : 7548

SOW NO. : 785 Lab Receipt Date : 07/01/87

Lab Sample ID: 7548-MCK-486-558 Date Reported: 7/27/87

QC Batch: 558

ELEMENTS IDENTIFIED AND MEASURED

CONCENTRATION : LOW __X__ MEDIUM _____

MATRIX : WATER __X__ SOIL _____ SLUDGE _____ OTHER _____

UG/L OR MG/KG DRY WEIGHT (CIRCLE ONE)

1. ALUMINUM	100 UP	13. MAGNESIUM	26400 P
2. ANTIMONY	30 UP	14. MANGANESE	5472 P
3. ARSENIC	5 UF	15. MERCURY	0.2 U C.V.N
4. BARIUM	[126]P	16. NICKEL	30 UPN
5. BERYLLIUM	2UPN	17. POTASSIUM	[3500]P
6. CADMIUM	5 UP	18. SELENIUM	5 UFN
7. CALCIUM	58000 P	19. SILVER	10 UP
8. CHROMIUM	34 UP	20. SODIUM	50400 P
9. COBALT	25 UP	21. THALLIUM	5 UF
10. COPPER	15 UP	22. VANADIUM	30 UP
11. IRON	228 P	23. ZINC	57 P
12. LEAD	5 UFN	PRECENT SOLIDS (%)	N/A
CYANIDE	NR		

FOOTNOTES : FOR REPORTING RESULTS STANDARD RESULT QUALIFIERS ARE USED AS DEFINED ON PAGE 2.

COMMENTS : The sample was a clear liquid and remained clear after digestion procedures.

Deborah A. [illegible]

LAB MANAGER

INORGANIC ANALYSIS DATA SHEET

FORM I

EPA SMPL NO. : MCK-487 ORIGINAL (Red)

Lab Name : NANCO LABORATORIES, INC. Case NO. : 7548

SOW NO. : 785 Lab Receipt Date : 07/01/87

Lab Sample ID: 7548-MCK-487-558 Date Reported: 7/8/87

QC Batch: 558

ELEMENTS IDENTIFIED AND MEASURED

CONCENTRATION : LOW __X__ MEDIUM _____

MATRIX : WATER __X__ SOIL _____ SLUDGE ____ OTHER _____

UG/L OR MG/KG DRY WEIGHT (CIRCLE ONE)

1. ALUMINUM	100 UP	13. MAGNESIUM	500 UP
2. ANTIMONY	30 UP	14. MANGANESE	10 UP
3. ARSENIC	5 UF	15. MERCURY	0.2 U C.V. N
4. BARIUM	25 UP	16. NICKEL	30 UPN
5. BERYLLIUM	2 UPN	17. POTASSIUM	1000 UP
6. CADMIUM	5 UP	18. SELENIUM	5 UFN
7. CALCIUM	1500 UP	19. SILVER	10 UP
8. CHROMIUM	10 UP	20. SODIUM	1500 UP
9. COBALT	25 UP	21. THALLIUM	5 UF
10. COPPER	15 UP	22. VANADIUM	30 UP
11. IRON	115 P	23. ZINC	37 P
12. LEAD	5 UFN	PRECENT SOLIDS (%)	N/A
CYANIDE	NR		

FOOTNOTES : FOR REPORTING RESULTS STANDARD RESULT QUALIFIERS ARE USED AS DEFINED ON PAGE 2.

COMMENTS : The sample was a clear liquid and remained clear after digestion procedure.

Robert A. [illegible]

LAB MANAGER

ORIGINAL
(Red)

APPENDIX C

ORIGINAL (Red)

Narrative Summary

Site Description

Corco Chemical Corporation is a facility in Falls Township, Bucks County. which could be contributing to observed groundwater contamination in the Penn Valley/Fairless Hills area of the township. It is located a Tyburn Road and Cedar Lane, near several mobile home parks and within one mile of Levittown, PA.

The company is basically a chemical repackaging firm which receives solvents and acids in bulk and repackages them into small containers for retail sale to labs, electronics firms, etc. HCl and HNO_3 are also distilled to higher grades of purity. The distillation process yields some lower grade acid byproducts which are hazardous waste under RCRA. The company notified as a generator in 1981.

Hazardous Conditions and Incidents

The site visit for this assessment and RCRA inspection reports by Michael Bobek of PA DER indicate that several housekeeping problems exist at the site:

1) Bulk solvent storage is in old tank trailers. The secondary containment system appears to be connected via drain to the plant's cooling water discharge system, which discharges to an old quarry lake on the property. Sampling by Bucks County Health Department in 1982 and 1985 indicated that this discharge was contaminated with volatile organic compounds, particularly TCE.
2) Several piles of miscellaneous chemicals in various containers (drums, carboys, bottles, etc.) are located in back of the plant. The owners claim that this is material which is being sorted and tested to determine its suitability for reprocessing or for disposal as waste. However, it appears that the piles are the result of years of poor housekeeping and waste handling and will probably not get cleaned up without regulatory action. These materials pose a potential soil and groundwater contamination hazard.
3) A leaking acid drum was observed during the first DER inspection. While the amount spilled was small, the owner reportedly became angry when requested to clean it up, and terminated the inspection.
4) Floor drains located inside the plant are also apparently tied into the cooling water discharge system. Presumably, any spillage during processing was washed down these drains. Several old tanker trailers are located in back of the plant near lake # 1. These are reportedly empty but this has not been confirmed.

Various RCRA and state hazardous waste and water quality violations, including the lack of a spill contingency plan, are listed in the notice of violations.

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
1875 New Hope Street
Norristown, PA 19401
215 270-1920

ORIGINAL (Red)

February 3, 1986

Edwin Sheppard, Jr.
CORCO Chemical Corporation
Tyburn Road and Cedar Lane
Fairless Hills, PA 19030

Re: Hazardous Waste Inspection
PAD002359859
January 23, 1986

NOTICE OF VIOLATION

Dear Mr. Sheppard:

This letter is to confirm the findings of the Department's referenced inspection of your hazardous waste activities. Requirements for hazardous waste facilities are contained in Chapters 75.260 through 75.267 of the Rules and Regulations of the Department. Violations of applicable sections of these regulations found during our inspection are as follows:

75.262(m)(1) - Spills of hazardous materials to the ground surface and into groundwater are reportable to the Department.

Act 97, Section 608 - Department employees shall have access to conduct inspections to determine compliance with the regulations of the Department.

Additionally, unless you have received specific written confirmation from the Department regarding the "determination of nonapplicability" of the HCl material you generate, the material from the distillation process is still considered hazardous and is subject to the regulations. You are referred to Chapter 75.261(e)(1) for requirements on hazardous waste that is used.

In order to verify that your facility does not generate solvent wastes, such as those that might be conveyed in the underground system between the solvent tankers and the bottling building, you are advised to sample liquids held in the underground tank/trap for the solvents your facility handles. It is advisable to use an independent laboratory perform the collection and analysis work.

Environmental Resources
February 18, 1986
8-354-1920

ORIGINAL
(Red)

Corco Chemical Corporation
PAD 002359859
Hazardous Waste Inspection 1/23/86

GEORGE DANYLIW
Operations Field Supervisor

MICHAEL M. DOBIK MMD
Solid Waste Specialist

The referenced site inspection was abruptly terminated by the facility operator when I advised the operator of spill reporting requirements and necessary followup communications from the Department because of a hazardous substance spill I observed at the facility.

The operator has not been informing the Department of previously notified hazardous waste generated and it was observed that there are shortcomings in housekeeping procedures. Additionally, this facility appears to be the only local facility using Trichloroethylene and is adjacent to the Penwood Crossing Trailer Park where TCE contamination in well water is present.

Because of these factors it is requested that the Bureau of Criminal Investigation provide assistance in conducting further inspection of the facility or that this Bureau obtain a Search Warrant for same.

The facility operator has been informed of Department regulations concerning the right of entry for inspections and a response was requested by 2/17/86.

Re 30 6W42.5

ORIGINAL
(Red)