Asbestos Dump
2W
2S 36799

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

Date 9/16/86

COVER PAGE
INORGANIC ANALYSES DATA PACKAGE

Lab Name JTC Environmental Consultants Case No. 6316

SOW No. 784 Q.C. Report No. 286

Sample Numbers

EPA No.	Lab ID No.	EPA No.	Lab ID No.
MBG 648	72-3573		
649	-3574		
650	-3575		
MBH 064	-3576		

Comments:

ICP Interelement and background corrections applied? Yes ✓ No ___.

If yes, corrections applied before ✓ or after ___ generation of raw data.

Footnotes:

NR - not required by contract at this time

Form I:

Value - If the result is a value greater than or equal to the instrument detection limit but less than the contract required detection limit, report the value in brackets (i.e., [10]). Indicate the analytical method used with P (for ICP), A (Flame AA), or F (Furnace AA)

U - Indicates element was analyzed for but not detected. Report with the instrument detection limit value (e.g., 10U).

E - Indicates a value estimated or not reported due to the presence of interference. Explanatory note included on cover page.

s - Indicates value determined by Method of Standard Addition.

R - Indicates spike sample recovery is not within control limits.

* - Indicates duplicate analysis is not within control limits.

\+ - Indicates the correlation coefficient for method of standard addition is less than 0.995

ASB 001 0116

THIS 1.1

Form I A

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample No. MBG648

Date 9/16/86

INORGANIC ANALYSIS DATA SHEET

LAB NAME JTC Environmental Cnslts. CASE NO. 6316

SOW NO. 784

LAB SAMPLE ID. NO. 72-3573 QC REPORT NO. 286

Elements Identified and Measured

Concentration: Low ✓ Medium ____

Matrix: Water ✓ Soil ____ Sludge ____ Other ____

ug/L or mg/kg dry weight (Circle One)

1.	Aluminum	186 U	P	13.	Magnesium	720 U	P
2.	Antimony	56 U	P	14.	Manganese	12 U	P
3.	Arsenic	10 U	F	15.	Mercury	0.19 U	Cold.V.
4.	Barium	17 U	P	16.	Nickel	27 U	P
5.	Beryllium	2.5 U	P	17.	Potassium	[2117]	A ✓
6.	Cadmium	4.6 U	P	18.	Selenium	5 U	F
7.	Calcium	940 U	P	19.	Silver	4.3 U	P
8.	Chromium	8.7 U	P	20.	Sodium	4940 U NR ~~4940 U~~	P
9.	Cobalt	23 U	P	21.	Thallium	10 U	F
10.	Copper	26 U	P	22.	Tin	30 U	P
11.	Iron	73 U	P	23.	Vanadium	19 U	P
12.	Lead	5 U	F	24.	Zinc	18 U	P

Cyanide 10 U Auto An Percent Solids (%) NR

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comments:

Lab Manager SD

ASB 001 0117

Form I B

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample No. MBG 649

Date 9/16/86

INORGANIC ANALYSIS DATA SHEET

LAB NAME JTC Environmental Cnslts. CASE NO. 6316

SOW NO. 784

LAB SAMPLE ID. NO. 72-3574 QC REPORT NO. 286

Elements Identified and Measured

Concentration: Low ✓ Medium ____

Matrix: Water ____ Soil ✓ Sludge ____ Other ____

ug/L or mg/kg dry weight (Circle One)

1.	Aluminum	15400	P	13.	Magnesium	5960D	P
2.	Antimony	180 U R	P	14.	Manganese	520	P
3.	Arsenic	32 U	F	15.	Mercury	0.61 U	Cold.V.
4.	Barium	[103]	P	16.	Nickel	308 R	P
5.	Beryllium	8.0 U	P	17.	~~Potassium~~	~~[6028]~~	~~P~~ SD
6.	Cadmium	15 U	P	18.	Selenium	14 U	F
7.	Calcium	190000	P	19.	Silver	14 U	P
8.	~~Chromium~~	~~78 R K~~	~~P~~ SD	20.	Sodium	11800	P
9.	Cobalt	73 U	P	21.	Thallium	32 U	F
10.	Copper	77 U	P	22.	Tin	[120]	P
11.	Iron	19300	P	23.	Vanadium	61 U	P
12.	Lead	16 U	F	24.	Zinc	58 U R	P

Cyanide 3.2 U Auto An Percent Solids (%) 15.66

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comments:

Lab Manager [signature]

12/11/86

ASB 001 0118

Form I C

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample No. MBG650

Date 9/16/86

INORGANIC ANALYSIS DATA SHEET

LAB NAME JTC Environmental Cnslts. CASE NO. 6316

SOW NO. 784

LAB SAMPLE ID. NO. 72-3575 QC REPORT NO. 286

Elements Identified and Measured

Concentration: Low ✓ Medium ____

Matrix: Water ✓ Soil ____ Sludge ____ Other ____

ug/L or mg/kg dry weight (Circle One)

1.	Aluminum	184 U	P	13.	Magnesium	720 U	P
2.	Antimony	56 U	P	14.	Manganese	12 U	P
3.	Arsenic	10 U	F	15.	Mercury	0.19 U	Cold.V.
4.	Barium	17 U	P	16.	Nickel	27 U	P
5.	Beryllium	2.5 U	P	17.	Potassium	[2117]	A
6.	Cadmium	4.6 U	P	18.	Selenium	5 U	F
7.	Calcium	940 U	P	19.	Silver	4.3 U	P
8.	Chromium	8.7 U	P	20.	Sodium	8020	P
9.	Cobalt	23 U	P	21.	Thallium	10 U	F
10.	Copper	26 U	P	22.	Tin	30 U	P
11.	Iron	73 U	P	23.	Vanadium	19 U	P
12.	Lead	5 U	F	24.	Zinc	18 U	P

Cyanide 10 U Auto An Percent Solids (%) NA

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comments:

Lab Manager [signature]

ASB 001 0119

Form I D

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample No. MBH 064

Date 9/16/86

INORGANIC ANALYSIS DATA SHEET

LAB NAME JTC Environmental Cnslts. CASE NO. 6316

SOW NO. 784

LAB SAMPLE ID. NO. 71-3576 QC REPORT NO. 286

Elements Identified and Measured

Concentration: Low ✓ Medium ____

Matrix: Water ____ Soil ✓ Sludge ____ Other ____

ug/L or mg/kg dry weight (Circle One)

1.	Aluminum	16400	P	13.	Magnesium	11400	P
2.	Antimony	41U R	P	14.	Manganese	[30530] BD	P
3.	Arsenic	7.4U	F	15.	Mercury	6.8U	Cold.V.
4.	Barium	[96]	P	16.	Nickel	35 R	P
5.	Beryllium	1.8U	P	17.	~~Potassium~~	~~[2471]~~	~~P~~ RF
6.	Cadmium	3.4U	P	18.	Selenium	3.3U	F
7.	Calcium	50800	P	19.	Silver	9	P
8.	~~Chromium~~	~~37 RX~~	~~P~~ BD	20.	Sodium	5430	P
9.	Cobalt	17U	P	21.	Thallium	7.4U	F
10.	Copper	18U	P	22.	Tin	[25]	P
11.	Iron	21900	P	23.	Vanadium	14U	P
12.	Lead	18U	F	24.	Zinc	78 R	P

Cyanide 10 U Auto An Percent Solids (%) 67.8%

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comments:

Lab Manager [signature]

12/11/86

ASB 001 0120

Sample Number
3H-220

Organics Analysis Data Sheet
(Page 1)

6 [illegible] 4-028-02

Laboratory Name: Clayton Environmental
Case No: 6369
Lab Sample ID No: B49.71 (488744)
QC Report No: N/A
Sample Matrix: WATER
Contract No: 68-01-7260
Data Release Authorized By: [signature]
Date Sample Received: 8/29/86

Volatile Compounds

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 9/3/86
Date Analyzed: 9/3/86
Conc/Dil Factor: 1 pH 7.4
Percent Moisture: (Not Decanted) NA

CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	10U
74-83-9	Bromomethane	10U
75-01-4	Vinyl Chloride	10U
75-00-3	Chloroethane	10U
75-09-2	Methylene Chloride	~~5B~~
67-64-1	Acetone	~~75B~~
75-15-0	Carbon Disulfide	6N
75-35-4	1, 1-Dichloroethene	5U
75-34-3	1, 1-Dichloroethane	5U
156-60-5	Trans-1, 2-Dichloroethene	5U
67-66-3	Chloroform	5U
107-06-2	1, 2-Dichloroethane	5U
78-93-3	2-Butanone	10U
71-55-6	1, 1, 1-Trichloroethane	5U
56-23-5	Carbon Tetrachloride	5U
108-05-4	Vinyl Acetate	10U
75-27-4	Bromodichloromethane	5U

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

VPW

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 explained.

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 action. (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 indicated 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). If limit of detection is 10 µg/l and a concentration of 3 µg/l is calculated, report as 3J.

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.

N Matrix spike compound

M Instrument limit of detection was used because it was higher than the CRDL

A Indicates a value less than the dilution corrected limit of detection but greater than the CRDL

ASB 001 0121

087

Form I

11/85

Laboratory Name [illegible] Inc.

Case No 6369

Sample Number
BH-22c

6369 • 2-C28-[illegible]

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration (Low) Medium (Circle One)

Date Extracted/Prepared 8/29/86

Date Analyzed 9/9/86 (A6020)

Dilution/Dil Factor 1

Percent Moisture (Decanted) NA

GPC Cleanup ☐Yes ☑No

Separatory Funnel Extraction ☑Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		ug/l or ug/Kg (Circle One)	
108-95-2	Phenol	20	U
111-44-4	bis-2-Chloroethyl Ether	20	U
95-57-8	2-Chlorophenol	20	U
541-73-1	1,3-Dichlorobenzene	20	U
106-46-7	1,4-Dichlorobenzene	20	U
100-51-6	Benzyl Alcohol	20	U
95-50-1	1,2-Dichlorobenzene	20	U
95-48-7	2-Methylphenol	20	U
108-60-1	bis(2-chloroisopropyl)Ether	20	U
106-44-5	4-Methylphenol	20	U
621-64-7	N-Nitroso-Di-n-Propylamine	20	U
67-72-1	Hexachloroethane	20	U
98-95-3	Nitrobenzene	20	U
78-59-1	Isophorone	20	U
88-75-5	2-Nitrophenol	20	U
105-67-9	2,4-Dimethylphenol	20	U
65-85-0	Benzoic Acid	100	U
111-91-1	bis(2-Chloroethoxy)Methane	20	U
120-83-2	2,4-Dichlorophenol	20	U
120-82-1	1,2,4-Trichlorobenzene	20	U
91-20-3	Naphthalene	20	U
106-47-8	4-Chloroaniline	20	U
87-68-3	Hexachlorobutadiene	20	U
59-50-7	4-Chloro-3-Methylphenol	20	U
91-57-6	2-Methylnaphthalene	20	U
77-47-4	Hexachlorocyclopentadiene	20	U
88-06-2	2,4,6-Trichlorophenol	20	U
95-95-4	2,4,5-Trichlorophenol	100	U
91-58-7	2-Chloronaphthalene	20	U
88-74-4	2-Nitroaniline	100	U
131-11-3	Dimethyl Phthalate	20	U
208-96-8	Acenaphthylene	20	U
99-09-2	3-Nitroaniline	100	U

CAS Number		ug/l or ug/Kg (Circle One)	
83-32-9	Acenaphthene	20	U
51-28-5	2,4-Dinitrophenol	100	U
100-02-7	4-Nitrophenol	100	U
132-64-9	Dibenzofuran	20	U
121-14-2	2,4-Dinitrotoluene	20	U
606-20-2	2,6-Dinitrotoluene	20	U
84-66-2	Diethylphthalate	[illegible]	
7005-72-3	4-Chlorophenyl-phenylether	20	U
86-73-7	Fluorene	20	U
100-01-6	4-Nitroaniline	100	U
534-52-1	4,6-Dinitro-2-Methylphenol	100	U
86-30-6	N-Nitrosodiphenylamine (1)	20	U
101-55-3	4-Bromophenyl-phenylether	20	U
118-74-1	Hexachlorobenzene	20	U
87-86-5	Pentachlorophenol	100	U
85-01-8	Phenanthrene	20	U
120-12-7	Anthracene	20	U
84-74-2	Di-n-Butylphthalate	20	U
206-44-0	Fluoranthene	20	U
129-00-0	Pyrene	20	U
85-68-7	Butylbenzylphthalate	20	U
91-94-1	3,3'-Dichlorobenzidine	56	N
56-55-3	Benzo(a)Anthracene	20	U
117-81-7	bis(2-Ethylhexyl)Phthalate	20	U
218-01-9	Chrysene	20	U
117-84-0	Di-n-Octyl Phthalate	20	U
205-99-2	Benzo(b)Fluoranthene	22	N
207-08-9	Benzo(k)Fluoranthene	20	U
50-32-8	Benzo(a)Pyrene	20	U
193-39-5	Indeno(1,2,3-cd)Pyrene	26	N
53-70-3	Dibenzo(a,h)Anthracene	32	N
191-24-2	Benzo(g,h,i)Perylene	34	N

(1)-Cannot be separated from diphenylamine

ASB 001 0122

088

Form I

7/85

6369 • 2-028-04

Laboratory Name Chayfa

Case No 6369

Sample Number RH-220

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration (Low) Medium (Circle One)

Date Extracted/Prepared 29 August 1986

Date Analyzed 12 Sept. 1986

Conc/Dil Factor 1

Percent Moisture (decanted) —

GPC Cleanup ☐Yes ☒No

Separatory Funnel Extraction ☒Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		ug/l or ug/Kg (Circle One)
319-84-6	Alpha-BHC	0.10 u
319-85-7	Beta-BHC	0.10 u
319-86-8	Delta-BHC	0.10 u
58-89-9	Gamma-BHC (Lindane)	0.10 u
76-44-8	Heptachlor	0.10 u
309-00-2	Aldrin	0.10 u
1024-57-3	Heptachlor Epoxide	0.10 u
959-98-8	Endosulfan I	0.10 u
60-57-1	Dieldrin	0.20 u
72-55-9	4,4'-DDE	0.20 u
72-20-8	Endrin	0.20 u
33213-65-9	Endosulfan II	0.20 u
72-54-8	4,4'-DDD	0.20 u
1031-07-8	Endosulfan Sulfate	0.20 u
50-29-3	4,4'-DDT	0.20 u
72-43-5	Methoxychlor	1.0 u
53494-70-5	Endrin Ketone	0.20 u
57-74-9	Chlordane	1.0 u
8001-35-2	Toxaphene	2.0 u
12674-11-2	Aroclor-1016	1.0 u
11104-28-2	Aroclor-1221	1.0 u
11141-16-5	Aroclor-1232	1.0 u
53469-21-9	Aroclor-1242	1.0 u
12672-29-6	Aroclor-1248	1.0 u
11097-69-1	Aroclor-1254	2.0 u
11096-82-5	Aroclor-1260	2.0 u

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 500ml or W_s — V_t 10000ul V_i 1.0ul

AQ 9-15-86
R.H 9-22-86

ASB 001 0123

... 089

7/85

Form 1

0 0 0 0 0 -029-02

Laboratory Name Clayton Environmental

Case No. 6369

Sample Number BH-220

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
—	BACKGROUND ARGON + CO_2 (SYSTEM ARTIFACT)	VGA	8.26	30J B
96377	METHYL CYCLOPENTANE	VGA	15.49	1.0J
1543	HEXANE	VGA	19.51	30J B
—	No Semi-volatiles Found	BNA	—	—

ASB 001 0124

090

Form 1, Part B

7 85

Sample Number
BH222

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: ECOLOGY & ENVIRONMENT INC.
Case No: 6388
Lab Sample ID No: 7811
QC Report No:
Sample Matrix: WATER
Contract No: 68-01-7158
Data Release Authorized By: C Hojtowicz
Date Sample Received: 9-6-86

Volatile Compounds

Concentration: (Low) Medium (Circle One)
Date Extracted/Prepared: 9-8-86
Date Analyzed: 9-8-86
Conc/Dil Factor: 1 pH —
Percent Moisture: (Not Decanted) —

CAS Number		ug/l or ug/Kg (Circle One)	
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	~~[illegible]~~	~~B~~
67-64-1	Acetone	~~[illegible]~~	~~B~~
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

CAS Number		ug/l or ug/Kg (Circle One)	
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	Dibromochloromethane	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-Chloroethylvinylether	10	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1, 1, 2, 2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
	Total Xylenes	5	U

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 action. (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 indicated 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). If limit of detection is 10 µg/l and a concentration of 3 µg/l is calculated, report as 3J.

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.

ASB 001 0125

Laboratory Name ecology and environment, inc.

Case No 6388

Sample Number BH222

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. 76131	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	VOA	318	28 J
2.				
3.				
4.				
5.				
6.				
7				
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10.				
11.				
12.				
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15.				
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24.				
25.				
26.				
27.				
28.				
29.				
30				

ASB 001 0126

Form 1, Part B

7 85
481095

Sample Number
BG 273

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: ENSECO
Case No: 6316
Lab Sample ID No: 35466 - 7 + 209
QC Report No:
Sample Matrix: Water
Contract No: 68-01-7027
Data Release Authorized By: NA
Date Sample Received: 8-13-86

Volatile Compounds

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8-21-86
Date Analyzed: 8-21-86
Conc/Dil Factor: 1.0 pH
Percent Moisture: (Not Decanted)

reject

CAS Number		ug/l or ug/Kg (Circle One)
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

CAS Number		ug/l or ug/Kg (Circle One)
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	Dibromochloromethane	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-Chloroethylvinylether	10 U
75-25-2	Bromoform	5 U
108-10-1	4-Methyl-2-Pentanone	10 U
591-78-6	2-Hexanone	10 U
127-18-4	Tetrachloroethene	5 U
79-34-5	1, 1, 2, 2-Tetrachloroethane	5 U
108-88-3	Toluene	5 U
108-90-7	Chlorobenzene	5 U
100-41-4	Ethylbenzene	5 U
100-42-5	Styrene	5 U
	Total Xylenes	5 U

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 sample quantitation limit for the sample with the U (e.g., 10U) based on necessary concentration/dilution action. (This is not necessarily the instrument detection limit.) This 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 indicated 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). If limit of detection is 10 µg/l and a concentration of 3 µg/l is calculated, report as 3J.

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.

ASB 001 0127

Laboratory Name [redacted] / A DIVISION OF ENSECO

Case No. 6316

Sample Number BG 273

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared 8-14-86

Date Analyzed 8-22-86

Conc/Dil Factor 2

Percent Moisture (Decanted) —

GPC Cleanup ☐Yes ☑No

Separatory Funnel Extraction ☑Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		ug/l or ug/Kg (Circle One)
108-95-2	Phenol	[illegible]
111-44-4	bis(2-Chloroethyl)Ether	20u
95-57-8	2-Chlorophenol	20u
541-73-1	1,3-Dichlorobenzene	20u
106-46-7	1,4-Dichlorobenzene	20u
100-51-6	Benzyl Alcohol	20u
95-50-1	1,2-Dichlorobenzene	20u
95-48-7	2-Methylphenol	20u
39638-32-9	bis(2-chloroisopropyl)Ether	20u
106-44-5	4-Methylphenol	20u
621-64-7	N-Nitroso-Di-n-Propylamine	20u
67-72-1	Hexachloroethane	20u
98-95-3	Nitrobenzene	20u
78-59-1	Isophorone	20u
88-75-5	2-Nitrophenol	20u
105-67-9	2,4-Dimethylphenol	20u
65-85-0	Benzoic Acid	20u
111-91-1	bis(2-Chloroethoxy)Methane	20u
120-83-2	2,4-Dichlorophenol	20u
120-82-1	1,2,4-Trichlorobenzene	20u
91-20-3	Naphthalene	20u
106-47-8	4-Chloroaniline	20u
87-68-3	Hexachlorobutadiene	20u
59-50-7	4-Chloro-3-Methylphenol	20u
91-57-6	2-Methylnaphthalene	20u
77-47-4	Hexachlorocyclopentadiene	20u
88-06-2	2,4,6-Trichlorophenol	20u
95-95-4	2,4,5-Trichlorophenol	20u
91-58-7	2-Chloronaphthalene	20u
88-74-4	2-Nitroaniline	20u
131-11-3	Dimethyl Phthalate	20u
208-96-8	Acenaphthylene	20u
99-09-2	3-Nitroaniline	20u

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

(1)-Cannot be separated from diphenylamine

ASB 001 0128

Laboratory Name ERCO/ENSECO

Case No 6316

Sample Number BC 373

Organics Analysis Data Sheet
(Page 3)

Pesticide /PCB:

Concentration (Low) Medium (Circle One)

Date Extracted /Prepared 8-14-86

Date Analyzed 9-9-86

Conc /Dil Factor 1

Percent Moisture (decanted) 100

GPC Cleanup ☐Yes ☒No

Separatory Funnel Extraction ☒Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		ug /l or ug /Kg (Circle One)
319-84-6	Alpha-BHC	0.05U
319-85-7	Beta-BHC	0.05U
319-86-8	Delta-BHC	0.05U
58-89-9	Gamma-BHC (Lindane)	0.05U
76-44-8	Heptachlor	0.05U
309-00-2	Aldrin	0.05U
1024-57-3	Heptachlor Epoxide	0.05U
959-98-8	Endosulfan I	0.05U
60-57-1	Dieldrin	0.10U
72-55-9	4 4 -DDE	0.10U
72-20-8	Endrin	0.10U
33213-65-9	Endosulfan II	0.10U
72-54-8	4, 4 -DDD	0.10U
1031-07-8	Endosulfan Sulfate	0.10U
50-29-3	4, 4 -DDT	0.10U
72-43-5	Methoxychlor	0.50U
53494-70-5	Endrin Ketone	0.10U
57-74-9	Chlordane	0.50U
8001-35-2	Toxaphene	1.0U
12674-11-2	Aroclor-1016	0.50U
11104-28-2	Aroclor-1221	0.50U
11141-16-5	Aroclor-1232	0.50U
53469-21-9	Aroclor-1242	0.50U
12672-29-6	Aroclor-1248	0.50U
11097-69-1	Aroclor-1254	0.50U
11096-82-5	Aroclor-1260	0.50U

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 500 or W_s NA V_t 1000 V_i 2.7

ASB 001 0129

Laboratory Name Enseco

Case No 6316

Sample Number
BG 273

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. 4806615	Cyclobutane, ethyl-	VOA	15.48	86
2. 115117	1-propene, 2-methyl-	VOA	19.51	85
3.	Octanol isomer	BNA	[illegible]	19
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
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21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

ASV UOI UISU

| Sample Number
| BG272

JOA only

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: ENSECO
Lab Sample ID: 34288 ::D4 35465
Sample Matrix: WATER
Data release Authorized by: NA

Case No.: 6316
QC Report No.: 803
Contract No.: 68-01-7022
Date Sample Received: 8-13-86

Volatile Compounds
Concentration: Low Medium (Circle One)
Date Extracted: [illegible]
Date Analyzed: 8-21-86 19:16
Conc/Dil Factor: 1.00 pH : —
Percent Moisture: (Not Decanted) —

Reject

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

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 action (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 indicated the presence of a compound that meets the identification criteria but the result is < than the specified detection limit but > than zero (e.g. 10J). If limit of detection is 10 ug/L and a

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 data the 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

OPTIONAL FLAGS

N - Compound not present in Calibration File.

ASB 001 0131

Laboratory Name ENSECO

Case No 6317

Sample Number
BG 273

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. —	No unknowns	VOA		
2.				
3.				
4.				
5.				
6.				
7.				
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10.				
11.				
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27.				
28.				
29.				
30.				

ASB 001 0132

Form 1, Part B

7/85

Sample No.: BH 216

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: [illegible]
Lab Sample ID: [illegible]
Sample Matrix: Soil
Date release Authorized by: NA

Case No.: 6316
QC Report No.: 204
Contract No.: 68-[illegible]
Date Sample Received: [illegible]

Volatile Compounds
Concentration: Low Medium (Circle One)
Date Extracted: [illegible]
Date Analyzed: 9/11/86
Concentration Factor: 4.5
Percent Moisture (Not Decanted): —

Reject

C.A.S. Number		µg/l or µg/g (Circle One)	C.A.S. Number		µg/l or µg/g (Circle One)
74-87-3	Chloromethane	[illegible]	78-87-5	1,2-Dichloropropane	[illegible]
74-83-9	Bromomethane	[illegible]	10061-02-6	Trans-1,3-Dichloropropene	[illegible]
75-01-4	Vinyl Chloride	[illegible]	79-01-6	Trichloroethene	20
75-00-3	Chloroethane	[illegible]	124-48-1	Dibromochloromethane	[illegible]
75-09-2	Methylene Chloride	[illegible]	79-00-5	1,1,2-Trichloroethane	[illegible]
67-64-1	Acetone	[illegible]	71-43-2	Benzene	[illegible]
75-15-0	Carbon Disulfide	[illegible]	10061-01-5	cis-1,3-Dichloropropene	[illegible]
75-35-4	1,1-Dichloroethene	[illegible]	110-75-8	2-Chloroethylvinylether	[illegible]
75-34-3	1,1-Dichloroethane	[illegible]	75-25-2	Bromoform	[illegible]
156-60-5	Trans-1,2-Dichloroethene	[illegible]	108-10-1	4-Methyl-2-Pentanone	[illegible]
67-64-1	Chloroform	[illegible]	591-78-6	2-Hexanone	[illegible]
107-06-2	1,2-Dichloroethane	[illegible]	127-18-4	Tetrachloroethene	[illegible]
78-93-3	2-Butanone	[illegible]	79-34-5	1,1,2,2-Tetrachloroethane	[illegible]
71-55-6	1,1,1-Trichloroethane	[illegible]	108-88-3	Toluene	[illegible]
56-23-5	Carbon Tetrachloride	[illegible]	108-90-7	Chlorobenzene	[illegible]
108-05-4	Vinyl Acetate	[illegible]	100-41-4	Ethylbenzene	[illegible]
75-27-4	Bromodichloromethane	[illegible]	100-42-5	Styrene	[illegible]
				Total Xylenes	[illegible]

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 action (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 indicated the presence of a compound that meets the identification criteria but the result is < than the specified detection limit but > than zero.

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 data the 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 defined and a description attached to the data summary report.

OPTIONAL FLAGS

[illegible] Reference File

ASB 001 0133

Laboratory Name ERCO / A Division of SNUECO

Case No 6316

Sample Number
BH 215

Received 8/14/86

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration: Low Medium (Circle One)

Date Extracted/Prepared 8-27-86

Date Analyzed 9-10-86

Conc/Dil Factor 1

Percent Moisture (Decanted) 29.7

GPC Cleanup ☐Yes ☑No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

reject

CAS Number		ug/l or ug/Kg (Circle One)
108-95-2	Phenol	550 U
111-44-4	bis(2-Chloroethyl)Ether	550 U
95-57-8	2-Chlorophenol	550 U
541-73-1	1,3-Dichlorobenzene	550 U
106-46-7	1,4-Dichlorobenzene	550 U
100-51-6	Benzyl Alcohol	550 U
95-50-1	1,2-Dichlorobenzene	550 U
95-48-7	2-Methylphenol	550 U
39638-32-9	bis(2-chloroisopropyl)Ether	550 U
106-44-5	4-Methylphenol	550 U
621-64-7	N-Nitroso-Di-n-Propylamine	550 U
67-72-1	Hexachloroethane	550 U
98-95-3	Nitrobenzene	550 U
78-59-1	Isophorone	550 U
88-75-5	2-Nitrophenol	550 U
105-67-9	2,4-Dimethylphenol	550 U
65-85-0	Benzoic Acid	550 U
111-91-1	bis(2-Chloroethoxy)Methane	550 U
120-83-2	2,4-Dichlorophenol	550 U
120-82-1	1,2,4-Trichlorobenzene	550 U
91-20-3	Naphthalene	550 U
106-47-8	4-Chloroaniline	550 U
87-68-3	Hexachlorobutadiene	550 U
59-50-7	4-Chloro-3-Methylphenol	550 U
91-57-6	2-Methylnaphthalene	550 U
77-47-4	Hexachlorocyclopentadiene	550 U
88-06-2	2,4,6-Trichlorophenol	550 U
95-95-4	2,4,5-Trichlorophenol	550 U
91-58-7	2-Chloronaphthalene	550 U
88-74-4	2-Nitroaniline	550 U
131-11-3	Dimethyl Phthalate	550 U
208-96-8	Acenaphthylene	550 U
99-09-2	3-Nitroaniline	550 U

CAS Number		ug/l or ug/Kg (Circle One)
83-32-9	Acenaphthene	550 U
51-28-5	2,4-Dinitrophenol	550 U
100-02-7	4-Nitrophenol	550 U
132-64-9	Dibenzofuran	550 U
121-14-2	2,4-Dinitrotoluene	550 U
606-20-2	2,6-Dinitrotoluene	550 U
84-66-2	Diethylphthalate	550 U
7005-72-3	4-Chlorophenyl-phenylether	550 U
86-73-7	Fluorene	550 U
100-01-6	4-Nitroaniline	550 U
534-52-1	4,6-Dinitro-2-Methylphenol	550 U
86-30-6	N-Nitrosodiphenylamine (1)	550 U
101-55-3	4-Bromophenyl-phenylether	550 U
118-74-1	Hexachlorobenzene	550 U
87-86-5	Pentachlorophenol	550 U
85-01-8	Phenanthrene	440 J
120-12-7	Anthracene	550 U
84-74-2	Di-n-Butylphthalate	550 U
206-44-0	Fluoranthene	130 J
129-00-0	Pyrene	90 J
85-68-7	Butylbenzylphthalate	550 U
91-94-1	3,3'-Dichlorobenzidine	550 U
56-55-3	Benzo(a)Anthracene	550 U
117-81-7	bis(2-Ethylhexyl)Phthalate	550 U
218-01-9	Chrysene	120 J
117-84-0	Di-n-Octyl Phthalate	550 U
205-99-2	Benzo(b)Fluoranthene	550 U
207-08-9	Benzo(k)Fluoranthene	550 U
50-32-8	Benzo(a)Pyrene	550 U
193-39-5	Indeno(1,2,3-cd)Pyrene	550 U
53-70-3	Dibenz(a,h)Anthracene	550 U
191-24-2	Benzo(g,h,i)Perylene	550 U

(1)-Cannot be separated from diphenylamine

d: to elution

Form I

ASB 001 0134

46 7/85

[redacted]

...ator's Name ECOL/ENSECO

...se No. 6316

Sample Number
FH218

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration (Low) Medium (Circle One)

Date Extracted/Prepared 8-14-86

Date Analyzed 9-2-86

Conc/Dil Factor 1

Percent Moisture (decanted) 30

GPC Cleanup ☐Yes ☒No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		ug/l or ug/Kg (Circle One)
319-84-6	Alpha-BHC	8.0U
319-85-7	Beta-BHC	8.0U
319-86-8	Delta-BHC	8.0U
58-89-9	Gamma-BHC (Lindane)	8.0U
76-44-8	Heptachlor	8.0U
309-00-2	Aldrin	8.0U
1024-57-3	Heptachlor Epoxide	8.0U
959-98-8	Endosulfan I	8.0U
60-57-1	Dieldrin	16U
72-55-9	4,4'-DDE	16U
72-20-8	Endrin	16U
33213-65-9	Endosulfan II	16U
72-54-8	4,4'-DDD	16U
1031-07-8	Endosulfan Sulfate	16U
50-29-3	4,4'-DDT	16U
72-43-5	Methoxychlor	80U
53494-70-5	Endrin Ketone	16U
57-74-9	Chlordane	80U
8001-35-2	Toxaphene	160U
12674-11-2	Aroclor-1016	80U
11104-28-2	Aroclor-1221	80U
11141-16-5	Aroclor-1232	80U
53469-21-9	Aroclor-1242	80U
12672-29-6	Aroclor-1248	80U
11097-69-1	Aroclor-1254	80U
11096-82-5	Aroclor-1260	80U

V_t = 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 NA or W_s 15.6 V_t 1000 V_t 2.7

ASB 001 0135

Name EPCO / A Division of [illegible]
6316

Sample Number
BH - 21E

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1	105-21-4	Acetic Acid, 1-methylethyl ester	BNA	319	8000
2		Unknown Silicone Compound	BNA	324	390
3		$C_9H_{20}O$ isomer	BNA	331	86
4	123-42-2	4-Hydroxy-4 methyl 2 pentanone *	BNA	356	53,000
5		$C_9H_{20}O$ isomer	BNA	369	330
6		$C_9H_{20}O$ isomer	BNA	378	280
7		unknown	BNA	434	390
8		$C_{14}H_{22}O$ isomer	BNA	1006	660
9		unknown	BNA	1252	490
10		unknown aliphatic	BNA	1757	240
11					
12		No unknowns.	VOA		
13					
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* possibly aldol condensation product

ASB 001 0136

Sample Number
B6274

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: ENSECO
Case No: 6316
Lab Sample ID No: 74346 · 35470
QC Report No:
Sample Matrix: Soil
Contract No: 68-01-7027
Date Release Authorized By: NA
Date Sample Received: 8-13-86

Volatile Compounds

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8-28-86
Date Analyzed: 9-28-86
Conc/Dil Factor: 1.60 pH
Percent Moisture: (Not Decanted)

reject

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

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

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 sample quantitation limit for the sample with the U (e.g., 10U) based on necessary concentration/dilution action. (This is not necessarily the instrument detection limit.) The footnote should read: U-Compound was analyzed for but not detected. The number is the sample quantitation 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 indicated 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). If limit of detection is 10 µg/l and a concentration of 3 µg/l is calculated, report as 3J.

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.

ASB 001 0137

11/85

Laboratory Name ERCO / A DIVISION OF ENSECO

Case No. 6316

Sample Number BG 294

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration Low Medium (Circle One)

Date Extracted/Prepared 8-14-86

Date Analyzed 8/26/86

Conc/Dil Factor 1

Percent Moisture (Decanted) 0

GPC Cleanup ☐Yes ☒No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		ug/l or ug/Kg (Circle One)
108-95-2	Phenol	490 u
111-44-4	bis-2-Chloroethyl Ether	490 u
95-57-8	2-Chlorophenol	490 u
541-73-1	1,3-Dichlorobenzene	490 u
106-46-7	1,4-Dichlorobenzene	490 u
100-51-6	Benzyl Alcohol	490 u
95-50-1	1,2-Dichlorobenzene	490 u
95-48-7	2-Methylphenol	490 u
39638-32-9	bis(2-chloroisopropyl)Ether	490 u
106-44-5	4-Methylphenol	490 u
621-64-7	N-Nitroso-Di-n-Propylamine	490 u
67-72-1	Hexachloroethane	490 u
98-95-3	Nitrobenzene	490 u
78-59-1	Isophorone	490 u
88-75-5	2-Nitrophenol	490 u
105-67-9	2,4-Dimethylphenol	490 u
65-85-0	Benzoic Acid	490 u
111-91-1	bis(2-Chloroethoxy)Methane	490 u
120-83-2	2,4-Dichlorophenol	490 u
120-82-1	1,2,4-Trichlorobenzene	490 u
91-20-3	Naphthalene	490 u
106-47-8	4-Chloroaniline	490 u
87-68-3	Hexachlorobutadiene	490 u
59-50-7	4-Chloro-3-Methylphenol	490 u
91-57-6	2-Methylnaphthalene	490 u
77-47-4	Hexachlorocyclopentadiene	490 u
88-06-2	2,4,6-Trichlorophenol	490 u
95-95-4	2,4,5-Trichlorophenol	490 u
91-58-7	2-Chloronaphthalene	490 u
88-74-4	2-Nitroaniline	490 u
131-11-3	Dimethyl Phthalate	490 u
208-96-8	Acenaphthylene	490 u
99-09-2	3-Nitroaniline	490 u

CAS Number		ug/l or ug/Kg (Circle One)
83-32-9	Acenaphthene	490 u
51-28-5	2,4-Dinitrophenol	490 u
100-02-7	4-Nitrophenol	490 u
132-64-9	Dibenzofuran	490 u
121-14-2	2,4-Dinitrotoluene	490 u
606-20-2	2,6-Dinitrotoluene	490 u
84-66-2	Diethylphthalate	490 u
7005-72-3	4-Chlorophenyl-phenylether	490 u
86-73-7	Fluorene	490 u
100-01-6	4-Nitroaniline	490 u
534-52-1	4,6-Dinitro-2-Methylphenol	490 u
86-30-6	N-Nitrosodiphenylamine (1)	490 u
101-55-3	4-Bromophenyl-phenylether	490 u
118-74-1	Hexachlorobenzene	490 u
87-86-5	Pentachlorophenol	490 u
85-01-8	Phenanthrene	490 u
120-12-7	Anthracene	490 u
84-74-2	Di-n-Butylphthalate	490 u
206-44-0	Fluoranthene	490 u
129-00-0	Pyrene	490 u
85-68-7	Butylbenzylphthalate	490 u
91-94-1	3,3'-Dichlorobenzidine	490 u
56-55-3	Benzo(a)Anthracene	490 u
117-81-7	bis(2-Ethylhexyl)Phthalate	490 u
218-01-9	Chrysene	490 u
117-84-0	Di-n-Octyl Phthalate	490 u
205-99-2	Benzo(b)Fluoranthene	490 u
207-08-9	Benzo(k)Fluoranthene	490 u
50-32-8	Benzo(a)Pyrene	490 u
193-39-5	Indeno(1,2,3-cd)Pyrene	490 u
53-70-3	Dibenz(a,h)Anthracene	490 u
191-24-2	Benzo(g,h,i)Perylene	490 u

(1)-Cannot be separated from diphenylamine

ASB 001 0138

Laboratory Name: EGG/ENSECO

Case No: 1316

Sample Number: BG 274

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 8-14-86

Date Analyzed: 9-2-86

Conc/Dil Factor: 1

Percent Moisture (decanted): 0

GPC Cleanup ☐Yes ☒No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		ug/l or ug/Kg (Circle One)
319-84-6	Alpha-BHC	8.0U
319-85-7	Beta-BHC	8.0U
319-86-8	Delta-BHC	8.0U
58-89-9	Gamma-BHC (Lindane)	8.0U
76-44-8	Heptachlor	8.0U
309-00-2	Aldrin	8.0U
1024-57-3	Heptachlor Epoxide	8.0U
959-98-8	Endosulfan I	8.0U
60-57-1	Dieldrin	16U
72-55-9	4,4'-DDE	16U
72-20-8	Endrin	16U
33213-65-9	Endosulfan II	16U
72-54-8	4,4'-DDD	16U
1031-07-8	Endosulfan Sulfate	16U
50-29-3	4,4'-DDT	16U
72-43-5	Methoxychlor	80U
53494-70-5	Endrin Ketone	16U
57-74-9	Chlordane	80U
8001-35-2	Toxaphene	160U
12674-11-2	Aroclor-1016	80U
11104-28-2	Aroclor-1221	80U
11141-16-5	Aroclor-1232	80U
53469-21-9	Aroclor-1242	80U
12672-29-6	Aroclor-1248	80U
11097-69-1	Aroclor-1254	80U
11096-82-5	Aroclor-1260	80U

V_t = 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 NA or W_s 21.0 V_t 1000 V_t 2.7

ASB 001 0139

Name ERCO/A DIVISION OF ELTECO

Lab 636

Sample Number BQ 27

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. 108-21-4	Isobutyric acid, 1-methylethyl ester	BNA	813	290
2	2-pentanone, 4-hydroxy-4-methyl- *	BNA	349	39,000
3.	unknown	BNA	431	620
4.	No unknowns	VOA		
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* possible aldol condensation product

ASB 001 0140

Low Concentration
Concentration

Attn
Transfer

Sample Number
BK[illegible]

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: ENSECO
Lab Sample ID: >5044 ::05
Sample Matrix: WATER
Date release Authorized by: _____

Case No.: 62[illegible]
QC Report No.: 204
Contract No.: 68-01-7027
Date Sample Received: [illegible]-6[illegible]

reject

Volatile Compounds

Concentration: Low Medium (Circle One)
Date Extracted: [illegible]
Date Analyzed: [illegible]/27/[illegible] 5:46
Conc/Dil factor: 1.00 pH : .....
Percent Moisture: (Not Decanted) ..--.....

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

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 action (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

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 data the 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

ASB 001 0141

Laboratory Name ERCO / A DIVISION OF ENSECO

Case No 6316

Sample Number
BH 217

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration (Low) Medium (Circle One)

Date Extracted/Prepared 8-14-86

Date Analyzed 8/24/86

Conc/Dil Factor 2

Percent Moisture (Decanted) —

GPC Cleanup ☐Yes ☒No

Separatory Funnel Extraction ☒Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		ug/L or ug/Kg (Circle One)
108-95-2	Phenol	20 u
111-44-4	bis-2-Chloroethyl Ether	20 u
95-57-8	2-Chlorophenol	20 u
541-73-1	1,3-Dichlorobenzene	20 u
106-46-7	1,4-Dichlorobenzene	20 u
100-51-6	Benzyl Alcohol	20 u
95-50-1	1,2-Dichlorobenzene	20 u
95-48-7	2-Methylphenol	20 u
39638-32-9	bis(2-chloroisopropyl)Ether	20 u
106-44-5	4-Methylphenol	20 u
621-64-7	N-Nitroso-Di-n-Propylamine	20 u
67-72-1	Hexachloroethane	20 u
98-95-3	Nitrobenzene	20 u
78-59-1	Isophorone	20 u
88-75-5	2-Nitrophenol	20 u
105-67-9	2,4-Dimethylphenol	20 u
65-85-0	Benzoic Acid	20 u
111-91-1	bis(2-Chloroethoxy)Methane	20 u
120-83-2	2,4-Dichlorophenol	20 u
120-82-1	1,2,4-Trichlorobenzene	20 u
91-20-3	Naphthalene	21
106-47-8	4-Chloroaniline	20 u
87-68-3	Hexachlorobutadiene	20 u
59-50-7	4-Chloro-3-Methylphenol	20 u
91-57-6	2-Methylnaphthalene	20 u
77-47-4	Hexachlorocyclopentadiene	20 u
88-06-2	2,4,6-Trichlorophenol	20 u
95-95-4	2,4,5-Trichlorophenol	20 u
91-58-7	2-Chloronaphthalene	20 u
88-74-4	2-Nitroaniline	20 u
131-11-3	Dimethyl Phthalate	20 u
208-96-8	Acenaphthylene	20 u
99-09-2	3-Nitroaniline	20 u

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

(1)-Cannot be separated from diphenylamine

ASB 001 0142

Laboratory Name [illegible]

Case No 6316

Sample Number BH217

Organics Analysis Data Sheet
(Page 3)

Pesticide /PCBs

Concentration (Low) Medium (Circle One)

Date Extracted /Prepared 8/14/86

Date Analyzed 9-2-86

Conc /Dil Factor 1

Percent Moisture (decanted) 100

GPC Cleanup ☐Yes ☒No

Separatory Funnel Extraction ☒Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		ug /l or ug /Kg (Circle One)
319-84-6	Alpha-BHC	0.05U
319-85-7	Beta-BHC	0.05U
319-86-8	Delta-BHC	0.05U
58-89-9	Gamma-BHC (Lindane)	0.05U
76-44-8	Heptachlor	0.05U
309-00-2	Aldrin	0.05U
1024-57-3	Heptachlor Epoxide	0.05U
959-98-8	Endosulfan I	0.05U
60-57-1	Dieldrin	0.10U
72-55-9	4 4 -DDE	0.10U
72-20-8	Endrin	0.10U
33213-65-9	Endosulfan II	0.10U
72-54-8	4,4 -DDD	0.10U
1031-07-8	Endosulfan Sulfate	0.10U
50-29-3	4,4 -DDT	0.10U
72-43-5	Methoxychlor	0.50U
53494-70-5	Endrin Ketone	0.10U
57-74-9	Chlordane	0.50U
8001-35-2	Toxaphene	1.0U
12674-11-2	Aroclor-1016	0.50U
11104-28-2	Aroclor-1221	0.50U
11141-16-5	Aroclor-1232	0.50U
53469-21-9	Aroclor-1242	0.50U
12672-29-6	Aroclor-1248	0.50U
11097-69-1	Aroclor-1254	0.50U
11096-82-5	Aroclor-1260	0.50U

V_t = 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 500 or W_s NA V_t 500 V_t 2.7

ASB 001 0143

Name ERCO/A DIVISION OF ENSECO
6346

Sample Number
BH217

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. →	$C_6H_{12}O$ isomer	BNA	391	11 A
2. 108-94-1	cyclohexanone	BNA	399	11
3. →	unknown	BNA	598	8
4. →	unknown	BNA	1558	13
5.	NO unknowns.	VOA		
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ASB 001 0144

ORGANICS ANALYSIS DATA SHEET
(PAGE 1)

SAMPLE NUMBER
B4-225

Laboratory Name: NANCO LABORATORY INC.
Lab Sample ID No: >P3200
Sample Matrix: WATER
Date Release Authorized By: George Odell

Case No: 6408
QC Report No: 067, 068
Contract No: 68-01-7102
Date Sample Received: 9/13/86

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 9/16/86
Date Analyzed: 9/16/86
Conc/Dil Factor: 1 pH: 6.7
Percent Moisture: N/A

CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	10.0 U
74-83-9	Bromomethane	10.0 U
75-01-4	Vinyl Chloride	10.0 U
75-00-3	Chloroethane	10.0 U
75-09-2	Methylene Chloride	[redacted]
67-64-1	Acetone	7.8 U
75-15-0	Carbon Disulfide	5.0 U
75-35-4	1,1-Dichloroethene	5.0 U
75-34-3	1,1-Dichloroethane	5.0 U
156-60-5	Trans-1,2-Dichloroethene	5.0 U
67-66-3	Chloroform	5.0 U
107-06-2	1,2-Dichloroethane	5.0 U
78-93-3	2-Butanone	10.0 U
71-55-6	1,1,1-Trichloroethane	5.0 U
56-23-5	Carbon Tetrachloride	5.0 U
108-05-4	Vinyl Acetate	10.0 U
75-27-4	Bromodichloromethane	5.0 U

CAS Number		ug/l or ug/Kg (Circle One)
79-34-5	1,1,2,2-Tetrachloroethane	5.0 U
78-87-5	1,2-Dichloropropane	5.0 U
10061-02-6	Trans-1,3-Dichloropropene	5.0 U
79-01-6	Trichloroethene	5.0 U
124-48-1	Dibromochloromethane	5.0 U
79-00-5	1,1,2-Trichloroethane	5.0 U
71-43-2	Benzene	5.0 U
10061-01-5	cis-1,3-Dichloropropene	5.0 U
110-75-8	2-Chloroethylvinylether	10.0 U
75-25-2	Bromoform	5.0 U
591-78-6	2-Hexanone	10.0 U
108-10-1	4-Methyl-2-Pentanone	10.0 U
127-18-4	Tetrachloroethene	5.0 U
108-88-3	Toluene	5.0 U
108-90-7	Chlorobenzene	5.0 U
100-41-4	Ethylbenzene	5.0 U
100-42-5	Styrene	5.0 U
	Total Xylenes	5.0 U

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 greater than or equal to 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.

FORM I

ORGANIC ANALYSIS DATA SHEET
(PAGE 2)

SAMPLE NO.
BH-228

LABORATORY NAME: NANCO LABS. INC.
CASE NO: 6408

BENIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 9/17/86
Date Analyzed: 10/02/86
Conc/Dil Factor:----------> 1
Percent Moisture: N/A

GPC Cleanup: Yes____ No X
Separatory Funnel Extraction: Yes X
Continuous Liquid - Liquid Extraction: Yes__

CAS Number		ug/l or ug/Kg (Circle One)
62-75-9	N-Nitrosodimethylamine	10.0 U
108-95-2	Phenol	10.0 U
62-53-3	Aniline	10.0 U
111-44-4	bis(-2-Chloroethyl)Ether	10.0 U
95-57-8	2-Chlorophenol	10.0 U
541-73-1	1,3-Dichlorobenzene	10.0 U
106-46-7	1,4-Dichlorobenzene	10.0 U
100-51-6	Benzyl Alcohol	10.0 U
95-50-1	1,2-Dichlorobenzene	10.0 U
95-48-7	2-Methylphenol	10.0 U
39638-32-9	bis(2-chloroisopropyl)Ether	10.0 U
106-44-5	4-Methylphenol	10.0 U
621-64-7	N-Nitroso-Di-n-Propylamine	10.0 U
67-72-1	Hexachloroethane	10.0 U
98-95-3	Nitrobenzene	10.0 U
78-59-1	Isophorone	10.0 U
88-75-5	2-Nitrophenol	10.0 U
105-67-9	2,4-Dimethylphenol	10.0 U
65-85-0	Benzoic Acid	50.0 U
111-91-1	bis(-2-Chloroethoxy)Methane	10.0 U
120-83-2	2,4-Dichlorophenol	10.0 U
120-82-1	1,2,4-Trichlorobenzene	10.0 U
91-20-3	Naphthalene	10.0 U
106-47-8	4-Chloroaniline	10.0 U
87-68-3	Hexachlorobutadiene	10.0 U
59-50-7	4-Chloro-3-Methylphenol	10.0 U
91-57-6	2-Methylnaphthalene	10.0 U
77-47-4	Hexachlorocyclopentadiene	10.0 U
88-06-2	2,4,6-Trichlorophenol	10.0 U
95-95-4	2,4,5-Trichlorophenol	50.0 U
91-58-7	2-Chloronaphthalene	10.0 U
88-74-4	2-Nitroaniline	50.0 U
131-11-3	Dimethyl Phthalate	10.0 U
208-96-8	Acenaphthylene	10.0 U
99-09-2	3-Nitroaniline	50.0 U

CAS Number		ug/l or ug/Kg (Circle One)
83-32-9	Acenaphthene	10.0 U
51-28-5	2,4-Dinitrophenol	50.0 U
100-02-7	4-Nitrophenol	50.0 U
132-64-9	Dibenzofuran	10.0 U
121-14-2	2,4-Dinitrotoluene	10.0 U
606-20-2	2,6-Dinitrotoluene	10.0 U
84-66-2	Diethylphthalate	10.0 U
7005-72-3	4-Chlorophenyl-phenylether	10.0 U
86-73-7	Fluorene	10.0 U
100-01-6	4-Nitroaniline	50.0 U
534-52-1	4,6-Dinitro-2-Methylphenol	50.0 U
86-30-6	N-Nitrosodiphenylamine (1)	10.0 U
101-55-3	4-Bromophenyl-phenylether	10.0 U
118-74-1	Hexachlorobenzene	10.0 U
87-86-5	Pentachlorophenol	50.0 U
85-01-8	Phenanthrene	10.0 U
120-12-7	Anthracene	10.0 U
84-74-2	Di-n-Butylphthalate	10.0 U
206-44-0	Fluoranthene	10.0 U
92-87-5	Benzidine	80.0 U
129-00-0	Pyrene	10.0 U
85-68-7	Butylbenzylphthalate	10.0 U
91-94-1	3,3'-Dichlorobenzidine	20.0 U
56-55-3	Benzo(a)Anthracene	10.0 U
117-81-7	bis(2-Ethylhexyl)Phthalate	10.0 U
218-01-9	Chrysene	10.0 U
117-84-0	Di-n-Octyl Phthalate	10.0 U
205-99-2	Benzo(b)Fluoranthene	10.0 U
207-08-9	Benzo(k)Fluoranthene	10.0 U
50-32-8	Benzo(a)Pyrene	10.0 U
193-39-5	Indeno(1,2,3-cd)Pyrene	10.0 U
53-70-3	Dibenz(a,h)Anthracene	10.0 U
191-24-2	Benzo(g,h,i)Perylene	10.0 U

(1) - Cannot be separated from diphenylamine

COMMENTS: NONE FOUND

FORM I

ASB 001 0146

ORGANICS ANALYSIS DATA SHEET
(PAGE 3)

SAMPLE NUMBER
BH 225

LABORATORY NAME: NANCO LABS, INC.
CASE NO: 6408

PESTICIDE/PCBs

Concentration: Low Medium (Circl

GPC Cleanup: Yes___No_X__
Separatory Funnel Extraction: Yes___X
Continuous Liquid-Liquid Extraction: Yes___

Date Extracted/Prepared: 9/17/86
Date Analyzed: 10/1/86
Conc/Dil Factor: ·····> 1
Percent Moisture:

CAS Number		ug/l or ug/Kg (Circle One)
319-84-6	Alpha-BHC	0.05 U
319-85-7	Beta-BHC	0.05 U
319-86-8	Delta-BHC	0.05 U
58-89-9	Gamma-BHC (Lindane)	0.05 U
76-44-8	Heptachlor	0.05 U
309-00-2	Aldrin	0.05 U
1024-57-3	Heptachlor Epoxide	0.05 U
959-98-8	Endosulfan I	0.05 U
60-57-1	Dieldrin	0.10 U
72-55-9	4,4'-DDE	0.10 U
72-20-8	Endrin	0.10 U
33213-65-9	Endosulfan II	0.10 U
72-54-8	4,4'-DDD	0.10 U
7421-93-4	Endrin Aldehyde	0.10 U
1031-07-8	Endosulfan Sulfate	0.10 U
50-29-3	4,4'-DDT	0.10 U
72-43-5	Methoxychlor	0.10 U
53494-70-5	Endrin Ketone	0.10 U
57-74-9	Chlordane	0.50 U
8001-35-2	Toxaphene	1.00 U
12674-11-2	Aroclor-1016	0.50 U
11104-28-2	Aroclor-1221	0.50 U
11141-16-5	Aroclor-1232	0.50 U
53469-21-9	Aroclor-1242	0.50 U
12672-29-6	Aroclor-1248	0.50 U
11097-69-1	Aroclor-1254	1.00 U
11096-82-5	Aroclor-1260	1.00 U

Vi = Volume of extract injected (ul)

Vs = Volume of water extracted (ml)

Ws = Weight of sample extracted (g)

Vt = Volume of total extract (ul)

Vs 1000 or Ws _____ Vt 10000 Vi 3

FORM I

ASB 001 0147

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

LABORATORY NAME :NANCO LABS.INC.
CASE NO: 6408

SAMPLE NUMBER
BH-228

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	-----	UNKNOWN	VOA	19.53	8.0 J
2	-----	UNKNOWN	VOA	22.76	5.0 J
3					
4					
5	127184	TETRACHLROETHENE	BNA	6.40	5.0 J
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

FORM I, PART B

ASB 001 0148

ORGANICS ANALYSIS DATA SHEET
(PAGE 1)

SAMPLE NUMBER
BH-227

Laboratory Name: NANCO LABORATORY INC.
Lab Sample ID No: >P3199
Sample Matrix: WATER
Data Release Authorized By:

Case No: 6408
QC Report No: 067, 068
Contract No: 68-01-7102
Date Sample Received: 9/12/86

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 9/16/86
Date Analyzed: 9/16/86
Conc/Dil Factor: 1 pH: 6.5
Percent Moisture: N/A

CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	10.0 U
74-83-9	Bromomethane	10.0 U
75-01-4	Vinyl Chloride	10.0 U
75-00-3	Chloroethane	10.0 U
75-09-2	Methylene Chloride	[redacted]
67-64-1	Acetone	[redacted]
75-15-0	Carbon Disulfide	5.0 U
75-35-4	1,1-Dichloroethene	5.0 U
75-34-3	1,1-Dichloroethane	5.0 U
156-60-5	Trans-1,2-Dichloroethene	5.0 U
67-66-3	Chloroform	5.0 U
107-06-2	1,2-Dichloroethane	5.0 U
78-93-3	2-Butanone	10.0 U
71-55-6	1,1,1-Trichloroethane	5.0 U
56-23-5	Carbon Tetrachloride	5.0 U
108-05-4	Vinyl Acetate	10.0 U
75-27-4	Bromodichloromethane	5.0 U

CAS Number		ug/l or ug/Kg (Circle One)
79-34-5	1,1,2,2-Tetrachloroethane	5.0 U
78-87-5	1,2-Dichloropropane	5.0 U
10061-02-6	Trans-1,3-Dichloropropene	5.0 U
79-01-6	Trichloroethene	5.0 U
124-48-1	Dibromochloromethane	5.0 U
79-00-5	1,1,2-Trichloroethane	5.0 U
71-43-2	Benzene	5.0 U
10061-01-5	cis-1,3-Dichloropropene	5.0 U
110-75-8	2-Chloroethylvinylether	10.0 U
75-25-2	Bromoform	5.0 U
591-78-6	2-Hexanone	10.0 U
108-10-1	4-Methyl-2-Pentanone	10.0 U
127-18-4	Tetrachloroethene	5.0 U
108-88-3	Toluene	5.0 U
108-90-7	Chlorobenzene	5.0 U
100-41-4	Ethylbenzene	5.0 U
100-42-5	Styrene	5.0 U
	Total Xylenes	5.0 U

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 greater than or equal to 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.

FORM I

ORGANIC ANALYSIS DATA SHEET
(PAGE 2)

LABORATORY NAME: NANCO LABS. INC.
CASE NO: 6408

SAMPLE NO.
BH-227

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 9/17/86
Date Analyzed: 10/02/86
Conc/Dil Factor:----------> 1
Percent Moisture: N/A

GPC Cleanup: Yes____ No X
Separatory Funnel Extraction: Yes X
Continuous Liquid - Liquid Extraction: Yes__

CAS Number		ug/l or ug/Kg (Circle One)
62-75-9	N-Nitrosodimethylamine	10.0 U
108-95-2	Phenol	10.0 U
62-53-3	Aniline	10.0 U
111-44-4	bis(-2-Chloroethyl)Ether	10.0 U
95-57-8	2-Chlorophenol	10.0 U
541-73-1	1,3-Dichlorobenzene	10.0 U
106-46-7	1,4-Dichlorobenzene	10.0 U
100-51-6	Benzyl Alcohol	10.0 U
95-50-1	1,2-Dichlorobenzene	10.0 U
95-48-7	2-Methylphenol	10.0 U
39638-32-9	bis(2-chloroisopropyl)Ether	10.0 U
106-44-5	4-Methylphenol	10.0 U
621-64-7	N-Nitroso-Di-n-Propylamine	10.0 U
67-72-1	Hexachloroethane	10.0 U
98-95-3	Nitrobenzene	10.0 U
78-59-1	Isophorone	10.0 U
88-75-5	2-Nitrophenol	10.0 U
105-67-9	2,4-Dimethylphenol	10.0 U
65-85-0	Benzoic Acid	50.0 U
111-91-1	bis(-2-Chloroethoxy)Methane	10.0 U
120-83-2	2,4-Dichlorophenol	10.0 U
120-82-1	1,2,4-Trichlorobenzene	10.0 U
91-20-3	Naphthalene	10.0 U
106-47-8	4-Chloroaniline	10.0 U
87-68-3	Hexachlorobutadiene	10.0 U
59-50-7	4-Chloro-3-Methylphenol	10.0 U
91-57-6	2-Methylnaphthalene	10.0 U
77-47-4	Hexachlorocyclopentadiene	10.0 U
88-06-2	2,4,6-Trichlorophenol	10.0 U
95-95-4	2,4,5-Trichlorophenol	50.0 U
91-58-7	2-Chloronaphthalene	10.0 U
88-74-4	2-Nitroaniline	50.0 U
131-11-3	Dimethyl Phthalate	10.0 U
208-96-8	Acenaphthylene	10.0 U
99-09-2	3-Nitroaniline	50.0 U

CAS Number		ug/l or ug/Kg (Circle One)
83-32-9	Acenaphthene	10.0 U
51-28-5	2,4-Dinitrophenol	50.0 U
100-02-7	4-Nitrophenol	50.0 U
132-64-9	Dibenzofuran	10.0 U
121-14-2	2,4-Dinitrotoluene	10.0 U
606-20-2	2,6-Dinitrotoluene	10.0 U
84-66-2	Diethylphthalate	10.0 U
7005-72-3	4-Chlorophenyl-phenylether	10.0 U
86-73-7	Fluorene	10.0 U
100-01-6	4-Nitroaniline	50.0 U
534-52-1	4,6-Dinitro-2-Methylphenol	50.0 U
86-30-6	N-Nitrosodiphenylamine (1)	10.0 U
101-55-3	4-Bromophenyl-phenylether	10.0 U
118-74-1	Hexachlorobenzene	10.0 U
87-86-5	Pentachlorophenol	50.0 U
85-01-8	Phenanthrene	10.0 U
120-12-7	Anthracene	10.0 U
84-74-2	Di-n-Butylphthalate	[redacted]
206-44-0	Fluoranthene	10.0 U
92-87-5	Benzidine	80.0 U
129-00-0	Pyrene	10.0 U
85-68-7	Butylbenzylphthalate	10.0 U
91-94-1	3,3'-Dichlorobenzidine	20.0 U
56-55-3	Benzo(a)Anthracene	10.0 U
117-81-7	bis(2-Ethylhexyl)Phthalate	[redacted]
218-01-9	Chrysene	10.0 U
117-84-0	Di-n-Octyl Phthalate	10.0 U
205-99-2	Benzo(b)Fluoranthene	10.0 U
207-08-9	Benzo(k)Fluoranthene	10.0 U
50-32-8	Benzo(a)Pyrene	10.0 U
193-39-5	Indeno(1,2,3-cd)Pyrene	10.0 U
53-70-3	Dibenz(a,h)Anthracene	10.0 U
191-24-2	Benzo(g,h,i)Perylene	10.0 U

(1) - Cannot be separated from diphenylamine

ASB 001 0150

FORM I

ORGANICS ANALYSIS DATA SHEET
(PAGE 3)

SAMPLE NUMBER
BH 227

LABORATORY NAME: NANCO LABS, INC.
CASE NO: 6408

PESTICIDE/PCBs

Concentration: Low Medium (Circl
Date Extracted/Prepared: 9/17/86
Date Analyzed: 10/1/86
Conc/Dil Factor: ·····> 1
Percent Moisture:

GPC Cleanup: Yes___No_X_
Separatory Funnel Extraction: Yes___X
Continuous Liquid-Liquid Extraction: Yes___

CAS Number		ug/l or ug/Kg (Circle One)
319-84-6	Alpha-BHC	0.05 U
319-85-7	Beta-BHC	0.05 U
319-86-8	Delta-BHC	0.05 U
58-89-9	Gamma-BHC (Lindane)	0.05 U
76-44-8	Heptachlor	0.05 U
309-00-2	Aldrin	0.05 U
1024-57-3	Heptachlor Epoxide	0.05 U
959-98-8	Endosulfan I	0.05 U
60-57-1	Dieldrin	0.10 U
72-55-9	4,4'-DDE	0.10 U
72-20-8	Endrin	0.10 U
33213-65-9	Endosulfan II	0.10 U
72-54-8	4,4'-DDD	0.10 U
7421-93-4	Endrin Aldehyde	0.10 U
1031-07-8	Endosulfan Sulfate	0.10 U
50-29-3	4,4'-DDT	0.10 U
72-43-5	Methoxychlor	0.10 U
53494-70-5	Endrin Ketone	0.10 U
57-74-9	Chlordane	0.50 U
8001-35-2	Toxaphene	1.00 U
12674-11-2	Aroclor-1016	0.50 U
11104-28-2	Aroclor-1221	0.50 U
11141-16-5	Aroclor-1232	0.50 U
53469-21-9	Aroclor-1242	0.50 U
12672-29-6	Aroclor-1248	0.50 U
11097-69-1	Aroclor-1254	1.00 U
11096-82-5	Aroclor-1260	1.00 U

Vi = Volume of extract injected (ul)

Vs = Volume of water extracted (ml)

Ws = Weight of sample extracted (g)

Vt = Volume of total extract (ul)

Vs 1000 or Ws _____ Vt 10000 Vi 3

FORM I

ASB 001 0151

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

SAMPLE NUMBER
BH-227

LABORATORY NAME :NANCO LABS.INC.
CASE NO: 6408

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	-----	NONE FOUND	VOA	---	-----
2					
3					
4					
5	127184	TETRACHLROETHENE	BNA	6.40	[redacted].0 J
6					
7					
8					
9					
10					
11					
12					
13					
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26					

FORM I, PART B

ASB 001 0152

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE NUMBER
BH-226

Laboratory Name: NANCO LABORATORY INC.
Lab Sample ID No: >P3198
Sample Matrix: WATER
Data Release Authorized By: [signature]

Case No: 6408
QC Report No: 067, 068
Contract No: 68-01-7102
Date Sample Received: 9/12/86

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 9/16/86
Date Analyzed: 9/16/86
Conc/Dil Factor: 1 pH: 5.5
Percent Moisture: N/A

CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	10.0 U
74-83-9	Bromomethane	10.0 U
75-01-4	Vinyl Chloride	10.0 U
75-00-3	Chloroethane	10.0 U
75-09-2	Methylene Chloride	[redacted]
67-64-1	Acetone	12.0
75-15-0	Carbon Disulfide	5.0 U
75-35-4	1,1-Dichloroethene	5.0 U
75-34-3	1,1-Dichloroethane	5.0 U
156-60-5	Trans-1,2-Dichloroethene	5.0 U
67-66-3	Chloroform	5.0 U
107-06-2	1,2-Dichloroethane	5.0 U
78-93-3	2-Butanone	[redacted]
71-55-6	1,1,1-Trichloroethane	5.0 U
56-23-5	Carbon Tetrachloride	5.0 U
108-05-4	Vinyl Acetate	10.0 U
75-27-4	Bromodichloromethane	5.0 U

CAS Number		ug/l or ug/Kg (Circle One)
79-34-5	1,1,2,2-Tetrachloroethane	5.0 U
78-87-5	1,2-Dichloropropane	5.0 U
10061-02-6	Trans-1,3-Dichloropropene	5.0 U
79-01-6	Trichloroethene	5.0 U
124-48-1	Dibromochloromethane	5.0 U
79-00-5	1,1,2-Trichloroethane	5.0 U
71-43-2	Benzene	5.0 U
10061-01-5	cis-1,3-Dichloropropene	5.0 U
110-75-8	2-Chloroethylvinylether	10.0 U
75-25-2	Bromoform	5.0 U
591-78-6	2-Hexanone	10.0 U
108-10-1	4-Methyl-2-Pentanone	10.0 U
127-18-4	Tetrachloroethene	5.0 U
108-88-3	Toluene	1.3 J
108-90-7	Chlorobenzene	5.0 U
100-41-4	Ethylbenzene	5.0 U
100-42-5	Styrene	5.0 U
	Total Xylenes	5.0 U

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 greater than or equal to 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 contaminatio 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.

FORM I

ASB 001 0153

ORGANIC ANALYSIS DATA SHEET
(PAGE 2)

LABORATORY NAME: NANCO LABS. INC.
CASE NO: 6408

SAMPLE NO.
BN-226

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 9/17/86
Date Analyzed: 10/02/86
Conc/Dil Factor:----------> 1
Percent Moisture: N/A

GPC Cleanup: Yes____ No X
Separatory Funnel Extraction: Yes X
Continuous Liquid - Liquid Extraction: Yes__

CAS Number		ug/l or ug/Kg (Circle One)
62-75-9	N-Nitrosodimethylamine	10.0 U
108-95-2	Phenol	10.0 U
62-53-3	Aniline	10.0 U
111-44-4	bis(-2-Chloroethyl)Ether	10.0 U
95-57-8	2-Chlorophenol	10.0 U
541-73-1	1,3-Dichlorobenzene	10.0 U
106-46-7	1,4-Dichlorobenzene	10.0 U
100-51-6	Benzyl Alcohol	10.0 U
95-50-1	1,2-Dichlorobenzene	10.0 U
95-48-7	2-Methylphenol	10.0 U
39638-32-9	bis(2-chloroisopropyl)Ether	10.0 U
106-44-5	4-Methylphenol	10.0 U
621-64-7	N-Nitroso-Di-n-Propylamine	10.0 U
67-72-1	Hexachloroethane	10.0 U
98-95-3	Nitrobenzene	10.0 U
78-59-1	Isophorone	10.0 U
88-75-5	2-Nitrophenol	10.0 U
105-67-9	2,4-Dimethylphenol	10.0 U
65-85-0	Benzoic Acid	50.0 U
111-91-1	bis(-2-Chloroethoxy)Methane	10.0 U
120-83-2	2,4-Dichlorophenol	10.0 U
120-82-1	1,2,4-Trichlorobenzene	10.0 U
91-20-3	Naphthalene	10.0 U
106-47-8	4-Chloroaniline	10.0 U
87-68-3	Hexachlorobutadiene	10.0 U
59-50-7	4-Chloro-3-Methylphenol	10.0 U
91-57-6	2-Methylnaphthalene	10.0 U
77-47-4	Hexachlorocyclopentadiene	10.0 U
88-06-2	2,4,6-Trichlorophenol	10.0 U
95-95-4	2,4,5-Trichlorophenol	50.0 U
91-58-7	2-Chloronaphthalene	10.0 U
88-74-4	2-Nitroaniline	50.0 U
131-11-3	Dimethyl Phthalate	10.0 U
208-96-8	Acenaphthylene	10.0 U
99-09-2	3-Nitroaniline	50.0 U

CAS Number		ug/l or ug/Kg (Circle One)
83-32-9	Acenaphthene	10.0 U
51-28-5	2,4-Dinitrophenol	50.0 U
100-02-7	4-Nitrophenol	50.0 U
132-64-9	Dibenzofuran	10.0 U
121-14-2	2,4-Dinitrotoluene	10.0 U
606-20-2	2,6-Dinitrotoluene	10.0 U
84-66-2	Diethylphthalate	10.0 U
7005-72-3	4-Chlorophenyl-phenylether	10.0 U
86-73-7	Fluorene	10.0 U
100-01-6	4-Nitroaniline	50.0 U
534-52-1	4,6-Dinitro-2-Methylphenol	50.0 U
86-30-6	N-Nitrosodiphenylamine (1)	10.0 U
101-55-3	4-Bromophenyl-phenylether	10.0 U
118-74-1	Hexachlorobenzene	10.0 U
87-86-5	Pentachlorophenol	50.0 U
85-01-8	Phenanthrene	10.0 U
120-12-7	Anthracene	10.0 U
84-74-2	Di-n-Butylphthalate	[redacted]
206-44-0	Fluoranthene	10.0 U
92-87-5	Benzidine	80.0 U
129-00-0	Pyrene	10.0 U
85-68-7	Butylbenzylphthalate	10.0 U
91-94-1	3,3'-Dichlorobenzidine	20.0 U
56-55-3	Benzo(a)Anthracene	10.0 U
117-81-7	bis(2-Ethylhexyl)Phthalate	220.0 B
218-01-9	Chrysene	10.0 U
117-84-0	Di-n-Octyl Phthalate	1[illegible].0 U
205-99-2	Benzo(b)Fluoranthene	1[illegible].0 U
207-08-9	Benzo(k)Fluoranthene	10.0 U
50-32-8	Benzo(a)Pyrene	10.0 U
193-39-5	Indeno(1,2,3-cd)Pyrene	10.0 U
53-70-3	Dibenz(a,h)Anthracene	10.0 U
191-24-2	Benzo(g,h,i)Perylene	10.0 U

(1) - Cannot be separated from diphenylamine

ASB 001 0154

FORM I

ORGANICS ANALYSIS DATA SHEET

(PAGE 3)

SAMPLE NUMBER

BH 226

LABORATORY NAME: NANCO LABS, INC.

CASE NO: 6408

PESTICID PCBs

Concentration: Low Medium (Circl

GPC Cleanup: Yes___No_X_

Date Extracted/Prepared: 9/17/86

Separatory Funnel Extraction: Yes___X

Date Analyzed: 10/1/86

Continuous Liquid-Liquid Extraction: Yes___

Conc/Dil Factor: ----> 1

Percent Moisture:

CAS Number		ug/l or ug/Kg (Circle One)
319-84-6	Alpha-BHC	0.05 U
319-85-7	Beta-BHC	0.05 U
319-86-8	Delta-BHC	0.05 U
58-89-9	Gamma-BHC (Lindane)	0.05 U
76-44-8	Heptachlor	0.05 U
309-00-2	Aldrin	0.05 U
1024-57-3	Heptachlor Epoxide	0.05 U
959-98-8	Endosulfan I	0.05 U
60-57-1	Dieldrin	0.10 U
72-55-9	4,4'-DDE	0.10 U
72-20-8	Endrin	0.10 U
33213-65-9	Endosulfan II	0.10 U
72-54-8	4,4'-DDD	0.10 U
7421-93-4	Endrin Aldehyde	0.10 U
1031-07-8	Endosulfan Sulfate	0.10 U
50-29-3	4,4'-DDT	0.10 U
72-43-5	Methoxychlor	0.10 U
53494-70-5	Endrin Ketone	0.10 U
57-74-9	Chlordane	0.50 U
8001-35-2	Toxaphene	1.00 U
12674-11-2	Aroclor-1016	0.50 U
11104-28-2	Aroclor-1221	0.50 U
11141-16-5	Aroclor-1232	0.50 U
53469-21-9	Aroclor-1242	0.50 U
12672-29-6	Aroclor-1248	0.50 U
11097-69-1	Aroclor-1254	1.00 U
11096-82-5	Aroclor-1260	1.00 U

Vi = Volume of extract injected (ul)

Vs = Volume of water extracted (ml)

Ws = Weight of sample extracted (g)

Vt = Volume of total extract (ul)

Vs 1000 or Ws _____ Vt 10000 Vi 3

FORM I

ASB 001 0155

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

LABORATORY NAME :NANCO LABS.INC.
CASE NO: 6408

SAMPLE NUMBER
BH-226

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	110543	HEXANE	VOA	22.74	7.0 J
2					
3					
4					
5	127184	TETRACHLROETHENE	BNA	6.41	430.0 J
6	27554263	1,2-BENZENEDICARBOXYLIC ACID,			
7		DIOSO OCTYL ESTER	BNA	35.13	97.0 J
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

FORM I, PART B

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE NUMBER
BH-232

Laboratory Name: NANCO LABORATORY INC.
Lab Sample ID No: >P3602
Sample Matrix: WATER
Data Release Authorized By: Sohail Jafari

Case No: 6484
QC Report No: 069
Contract No: 68-01-7102
Date Sample Received: 10/10/8

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 10/15/86
Date Analyzed: 10/15/86
Conc/Dil Factor: 1 pH: 6.3 pkg
Percent Moisture: N/A

CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	10.0 U
74-83-9	Bromomethane	10.0 U
75-01-4	Vinyl Chloride	10.0 U
75-00-3	Chloroethane	10.0 U
75-09-2	Methylene Chloride	2.4 J
67-64-1	Acetone	12.0
75-15-0	Carbon Disulfide	5.0 U
75-35-4	1,1-Dichloroethene	5.0 U
75-34-3	1,1-Dichloroethane	5.0 U
156-60-5	Trans-1,2-Dichloroethene	5.0 U
67-66-3	Chloroform	5.0 U
107-06-2	1,2-Dichloroethane	5.0 U
78-93-3	2-Butanone	10.0 U
71-55-6	1,1,1-Trichloroethane	5.0 U
56-23-5	Carbon Tetrachloride	5.0 U
108-05-4	Vinyl Acetate	10.0 U
75-27-4	Bromodichloromethane	5.0 U

CAS Number		ug/l or ug/Kg (Circle One)
79-34-5	1,1,2,2-Tetrachloroethane	5.0 U
78-87-5	1,2-Dichloropropane	5.0 U
10061-02-6	Trans-1,3-Dichloropropene	5.0 U
79-01-6	Trichloroethene	5.0 U
124-48-1	Dibromochloromethane	5.0 U
79-00-5	1,1,2-Trichloroethane	5.0 U
71-43-2	Benzene	8.7 J
10061-01-5	cis-1,3-Dichloropropene	5.0 U
110-75-8	2-Chloroethylvinylether	10.0 U
75-25-2	Bromoform	5.0 U
591-78-6	2-Hexanone	10.0 U
108-10-1	4-Methyl-2-Pentanone	10.0 U
127-18-4	Tetrachloroethene	5.0 U
108-88-3	Toluene	5.0 U
108-90-7	Chlorobenzene	5.0 U
100-41-4	Ethylbenzene	5.0 U
100-42-5	Styrene	5.0 U
	Total Xylenes	5.0 U

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 greater than or equal to 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.

FORM I

ASB 001 0157

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

LABORATORY NAME :NANCO LABS.INC.
CASE NO: 6484

SAMPLE NUMBER
BN-232

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	-----	NONE FOUND	VOA	-----	-----
2					
3					
4					
5	-----	NOT REQUIRED	BNA	-----	-----
6					
7					
8					
9					
10					
11					
12					
13					
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20					
21					
22					
23					
24					
25					
26					

FORM I, PART B

ASB 001 0158

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE NUMBER
BH-233

Laboratory Name: NANCO LABORATORY INC.
Lab Sample ID No: >P3603
Sample Matrix: WATER
Data Release Authorized By: Sheil Gahani

Case No: 6484
QC Report No: 069
Contract No: 68-01-7102
Date Sample Received: 10/10/86

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 10/15/86
Date Analyzed: 10/15/86
Conc/Dil Factor: 1 pH: 7.2
Percent Moisture: N/A

CAS Number		ug/l or ug/Kg (Circle One)	CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	10.0 U	79-34-5	1,1,2,2-Tetrachloroethane	5.0 U
74-83-9	Bromomethane	10.0 U	78-87-5	1,2-Dichloropropane	5.0 U
75-01-4	Vinyl Chloride	10.0 U	10061-02-6	Trans-1,3-Dichloropropene	5.0 U
75-00-3	Chloroethane	10.0 U	79-01-6	Trichloroethene	5.0 U
75-09-2	Methylene Chloride	5.1 B	124-48-1	Dibromochloromethane	5.0 U
67-64-1	Acetone	10.0 U	79-00-5	1,1,2-Trichloroethane	5.0 U
75-15-0	Carbon Disulfide	5.0 U	71-43-2	Benzene	5.0 U
75-35-4	1,1-Dichloroethene	5.0 U	10061-01-5	cis-1,3-Dichloropropene	5.0 U
75-34-3	1,1-Dichloroethane	5.0 U	110-75-8	2-Chloroethylvinylether	10.0 U
156-60-5	Trans-1,2-Dichloroethene	5.0 U	75-25-2	Bromoform	5.0 U
67-66-3	Chloroform	5.0 U	591-78-6	2-Hexanone	10.0 U
107-06-2	1,2-Dichloroethane	5.0 U	108-10-1	4-Methyl-2-Pentanone	10.0 U
78-93-3	2-Butanone	10.0 U	127-18-4	Tetrachloroethene	5.0 U
71-55-6	1,1,1-Trichloroethane	5.0 U	108-88-3	Toluene	5.0 U
56-23-5	Carbon Tetrachloride	5.0 U	108-90-7	Chlorobenzene	5.0 U
108-05-4	Vinyl Acetate	10.0 U	100-41-4	Ethylbenzene	5.0 U
75-27-4	Bromodichloromethane	5.0 U	100-42-5	Styrene	5.0 U
				Total Xylenes	5.0 U

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.

U
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 calculating 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 greater than or equal to 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.

FORM I

ASB 001 0159

ORGANIC ANALYSIS DATA SHEET
(PAGE 2)

LABORATORY NAME: NANCO LABS. INC.
CASE NO: 6484

SAMPLE NO.
BH-233

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 10/14/86
Date Analyzed: 10/31/86
Conc/Dil Factor:----------> 1
Percent Moisture: N/A

GPC Cleanup: Yes____ No X
Separatory Funnel Extraction: Yes X
Continuous Liquid - Liquid Extraction: Yes__

CAS Number		ug/l or ug/Kg (Circle One)
62-75-9	N-Nitrosodimethylamine	10.0 U
108-95-2	Phenol	10.0 U
111-44-4	bis(-2-Chloroethyl)Ether	10.0 U
95-57-8	2-Chlorophenol	10.0 U
541-73-1	1,3-Dichlorobenzene	10.0 U
106-46-7	1,4-Dichlorobenzene	10.0 U
100-51-6	Benzyl Alcohol	10.0 U
95-50-1	1,2-Dichlorobenzene	10.0 U
95-48-7	2-Methylphenol	10.0 U
39638-32-9	bis(2-chloroisopropyl)Ether	10.0 U
106-44-5	4-Methylphenol	10.0 U
621-64-7	N-Nitroso-Di-n-Propylamine	10.0 U
67-72-1	Hexachloroethane	10.0 U
98-95-3	Nitrobenzene	10.0 U
78-59-1	Isophorone	10.0 U
88-75-5	2-Nitrophenol	10.0 U
105-67-9	2,4-Dimethylphenol	10.0 U
65-85-0	Benzoic Acid	50.0 U
111-91-1	bis(-2-Chloroethoxy)Methane	10.0 U
120-83-2	2,4-Dichlorophenol	10.0 U
120-82-1	1,2,4-Trichlorobenzene	10.0 U
91-20-3	Naphthalene	10.0 U
106-47-8	4-Chloroaniline	10.0 U
87-68-3	Hexachlorobutadiene	10.0 U
59-50-7	4-Chloro-3-Methylphenol	10.0 U
91-57-6	2-Methylnaphthalene	10.0 U
77-47-4	Hexachlorocyclopentadiene	10.0 U
88-06-2	2,4,6-Trichlorophenol	10.0 U
95-95-4	2,4,5-Trichlorophenol	50.0 U
91-58-7	2-Chloronaphthalene	10.0 U
88-74-4	2-Nitroaniline	50.0 U
131-11-3	Dimethyl Phthalate	10.0 U
208-96-8	Acenaphthylene	10.0 U
99-09-2	3-Nitroaniline	50.0 U

CAS Number		ug/l or ug/Kg (Circle One)
83-32-9	Acenaphthene	10.0 U
51-28-5	2,4-Dinitrophenol	50.0 U
100-02-7	4-Nitrophenol	50.0 U
132-64-9	Dibenzofuran	10.0 U
121-14-2	2,4-Dinitrotoluene	10.0 U
606-20-2	2,6-Dinitrotoluene	10.0 U
84-66-2	Diethylphthalate	10.0 U
7005-72-3	4-Chlorophenyl-phenylether	10.0 U
86-73-7	Fluorene	10.0 U
100-01-6	4-Nitroaniline	50.0 U
534-52-1	4,6-Dinitro-2-Methylphenol	50.0 U
86-30-6	N-Nitrosodiphenylamine (1)	10.0 U
101-55-3	4-Bromophenyl-phenylether	10.0 U
118-74-1	Hexachlorobenzene	10.0 U
87-86-5	Pentachlorophenol	50.0 U
85-01-8	Phenanthrene	10.0 U
120-12-7	Anthracene	10.0 U
84-74-2	Di-n-Butylphthalate	10.0 U
206-44-0	Fluoranthene	10.0 U
129-00-0	Pyrene	10.0 U
85-68-7	Butylbenzylphthalate	10.0 U
91-94-1	3,3'-Dichlorobenzidine	20.0 U
56-55-3	Benzo(a)Anthracene	10.0 U
117-81-7	bis(2-Ethylhexyl)Phthalate	10.0 U
218-01-9	Chrysene	10.0 U
117-84-0	Di-n-Octyl Phthalate	10.0 U
205-99-2	Benzo(b)Fluoranthene	10.0 U
207-08-9	Benzo(k)Fluoranthene	10.0 U
50-32-8	Benzo(a)Pyrene	10.0 U
193-39-5	Indeno(1,2,3-cd)Pyrene	10.0 U
53-70-3	Dibenz(a,h)Anthracene	10.0 U
191-24-2	Benzo(g,h,i)Perylene	10.0 U

(1) - Cannot be separated from diphenylamine

ASB 001 0160

FORM I

ORGANICS ANALYSIS DATA SHEET
(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.
CASE NO: 6484

BH 233

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 10/14/86
Date Analyzed: 10/16/86
Conc/Dil Factor: ·····> 1
Percent Moisture: N/A

GPC Cleanup: Yes___ No_X_
Separatory Funnel Extraction: Yes_X_
Continuous Liquid-Liquid Extraction: Yes___

CAS Number		ug/l or ug/Kg (Circle One)
319-84-6	Alpha-BHC	0.05 U
319-85-7	Beta-BHC	0.05 U
319-86-8	Delta-BHC	0.05 U
58-89-9	Gamma-BHC (Lindane)	0.05 U
76-44-8	Heptachlor	0.05 U
309-00-2	Aldrin	0.05 U
1024-57-3	Heptachlor Epoxide	0.05 U
959-98-8	Endosulfan I	0.05 U
60-57-1	Dieldrin	0.10 U
72-55-9	4,4'-DDE	0.10 U
72-20-8	Endrin	0.10 U
33213-65-9	Endosulfan II	0.10 U
72-54-8	4,4'-DDD	0.10 U
7421-93-4	Endrin Aldehyde	0.10 U
1031-07-8	Endosulfan Sulfate	0.10 U
50-29-3	4,4'-DDT	0.10 U
53494-70-5	Endrin Ketone	0.10 U
72-43-5	Methoxychlor	0.50 U
57-74-9	Chlordane	0.50 U
8001-35-2	Toxaphene	1.00 U
12674-11-2	Aroclor-1016	0.50 U
11104-28-2	Aroclor-1221	0.50 U
11141-16-5	Aroclor-1232	0.50 U
53469-21-9	Aroclor-1242	0.50 U
12672-29-6	Aroclor-1248	0.50 U
11097-69-1	Aroclor-1254	1.00 U
11096-82-5	Aroclor-1260	1.00 U

Vi = Volume of extract injected (ul)

Vs = Volume of water extracted (ml)

Ws = Weight of sample extracted (g)

Vt = Volume of total extract (ul)

Vs 1000 or Ws _____ Vt 10000 Vi 3

FORM I

ASB 001 0161

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

LABORATORY NAME :NANCO LABS.INC.
CASE NO: 6484

SAMPLE NUMBER
BH-233

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	-----	NONE FOUND	VOA	-----	-----
2					
3					
4					
5	-----	UNKNOWN	BNA	31.49	85.0 J
6	123955	OCTADECANOIC ACID, BUTYL ESTER	BNA	33.64	19.0 J
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

FORM I, PART B