Dan Fisher.

SAMPLES TAKEN
8-86

000093

SEP 25 1986

SAMPLE DATA

PW-001

SCRIVENS

509348

6/84

SAMPLE ANALYSIS REQUEST FORM

NJDEP File # 000004

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP/DHSM/BEMGM	CODE	MAILING ADDRESS 65 PROSPECT
SAMPLE LOCATION	COMBE SOUTH		TRENTON NJ 08625

SAMPLE COLLECTOR

SAMPLER(S) Name	JERRY KASHATUS	Agency	NJDEP	Sampler ID #	HS 223
Name	CHAD VAN SCHUYT	Agency	"	Sampler ID #	HS 171

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	PW001	SAMPLING DATE	8/19/86	ABSCISSA (Longitude)	
SAMPLE POINT ID	SCRIVENS	TIME (MIL) SAMPLING BEGAN	850	ORDINATE (Latitude)	
SAMPLE SOURCE CODE	400	TIME (MIL) SAMPLING FINISHED	900	ELEVATION	
REFERENCE POINT	151 EAST VALLEY BROOK ROAD				

SAMPLING PROCESS

COLLECTION METHOD	Code	Other GRAB	SAMPLE TYPE	Code 100	Other
TYPE OF SAMPLER	Code	Other 323 BOTTLE	SAMPLE MATRIX	Code 200	Other
DESCRIPTION					

FIELD MEASUREMENTS

SAMPLE TEMP. °C	PARAMETER	PARAMETER	PARAMETER
AIR TEMP. 75°F °C	VALUE PH = 6.0	VALUE	VALUE
WEATHER CLEAR			

CHAIN-OF-CUSTODY IMPLEMENTED ☒ YES ☐ NO

PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
PP+40				

ANALYSIS(ES) AUTHORIZED BY PAUL ZARR, 110 TITLE HSMS II

ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE J. Hettinger	TITLE Sample Custodian	
LAB ID # 360058-004	LAB CONTROL #	DATE 8/19/86	TIME (MIL) 18:30

SAMPLE NUMBER
PW-001

Laboratory Name:NANCO LABORATORY INC.
Lab Sample ID No:>P3017
Sample Matrix: WATER
Data Release Authorized By: George Oded

Case No: N.J. DEP
QC Report No: ~~N/A~~ 004
Contract No: N/A
Date Sample Received: 8/19/86

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/20/86
Date Analyzed: 8/20/86
Conc/Dil Factor: 1 pH: 5.9
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	34.0 B
67-64-1	Acetone	12.0 B
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	1.7 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.

000101

LABORATORY NAME: NANCO LABS. INC.
CASE NO: N.J. DEP

SAMPLE NO.
PW-001

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/22/86
Date Analyzed: 9/04/86
Conc/Dil Factor:----------> 1
Percent Moisture: N/A

GPC Cleanup: Yes____ No X
Separatory Funnel Extraction: Yes____
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	1.4 JB
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	14.0 B
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 3)

SAMPLE NUMBER 000102

LABORATORY NAME: NANCO LABS, INC.
CASE NO: NJ DEP

PW 001

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/25/86
Date Analyzed: 9/10/86
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

SAMPLE NUMBER
PW-001

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N. J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	110543	HEXANE	VOA	22.60	7.6 J
2	-----	UNKNOWN	VOA	30.09	5.9 J
3	-----	UNKNOWN ALKANE	VOA	37.34	16.1 J
4					
5	127184	TETRACHLOROETHENE	BNA	6.68	30.0 B
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

INORGANIC ANALYSIS DATA SHEET
FORM I

Lab Name : NANCO LABORATORIES, INC. Customer : N.J. DEP

Lab Sample ID: J6-0058-004 Lab. Receipt Date: 8/19/86

DEP Sample ID : PW-001

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	NR	13.	MAGNESIUM	NR
2.	ANTIMONY	50.0 U X	14.	MANGANESE	180.0
3.	ARSENIC	10.0 U	15.	MERCURY	0.2
4.	BARIUM	NR	16.	NICKEL	30.0 U
5.	BERYLLIUM	2.0 N	17.	POTASSIUM	NR
6.	CADMIUM	5.0 U	18.	SELENIUM	5.0 U N
7.	CALCIUM	NR	19.	SILVER	45.0
8.	CHROMIUM	10.0 U	20.	SODIUM	NR
9.	COBALT	NR	21.	THALLIUM	5.0 U
10.	COPPER	35.0	22.	VANADIUM	NR
11.	IRON	47600.0	23.	ZINC	50.0
12.	LEAD	5.0 U		PHENOL	10.0 U
	CYANIDE	10.0 U		PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly

LAB MANAGER

SEP 25 1986

SAMPLE DATA

PW-002

GUMZ

$MeCl_2$ 5.5B

6/84

NJDEP 00003
File # _____

SAMPLE ANALYSIS REQUEST FORM

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP / BEMGA	CODE	MAILING ADDRESS 65 Prospect St.
SAMPLE LOCATION	Combe South		Trenton NJ 08612

SAMPLE COLLECTOR

SAMPLER(S) Name	Chad van Sciver	Agency	BEMGA	Sampler ID #	HS 171
Name	Jerry Kashatus	Agency	"	Sampler ID #	HS 223

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	PW 002	SAMPLING DATE	8/19/86	ABSCISSA (Longitude)	
SAMPLE POINT ID	GUMZ	TIME (MIL) SAMPLING BEGAN	0950	ORDINATE (Latitude)	
SAMPLE SOURCE CODE	400	TIME (MIL) SAMPLING FINISHED	1000	ELEVATION	
REFERENCE POINT	1047 STATE PARK RD				

SAMPLING PROCESS

COLLECTION METHOD	Code Grab	Other	SAMPLE TYPE	Code 100	Other
TYPE OF SAMPLER	Code 323	Other Bottle	SAMPLE MATRIX	Code 200	Other
DESCRIPTION					

FIELD MEASUREMENTS

SAMPLE TEMP.	°C	PARAMETER		PARAMETER		PARAMETER	
AIR TEMP.	75°F °C	VALUE	PH = 7.3	VALUE		VALUE	
WEATHER	Clear						

CHAIN-OF-CUSTODY IMPLEMENTED ☒ YES ☐ NO

PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
PP +40				

ANALYSIS(ES) AUTHORIZED BY Paul Zarrillo TITLE HSMS II

ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE J Kettenger	TITLE Sample Custodian	
LAB ID # JV-0059-004	LAB CONTROL #	DATE 8/19/86	TIME (MIL) 18:30

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE NUMBER
PW-002

Laboratory Name: NANCO LABORATORY INC.
Lab Sample ID No: >P3018
Sample Matrix: WATER
Data Release Authorized By: George O'Neill

Case No: N.J. DEP
QC Report No: ~~N/A~~ 0044
Contract No: N/A
Date Sample Received: ~~9/18/86~~ 8/19/86 pig

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/20/86
Date Analyzed: 8/20/86
Conc/Dil Factor: 1 pH: 6.6
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	5.5 B
67-64-1	Acetone	5.5 JB
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 identificatio has been confirmed by GC/MS Single component pesticides greater than or equal to 10 ng/ul in the final extract should be confirme 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: N.J. DEP

SAMPLE NO.
PW-002

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/22/86
Date Analyzed: 9/04/86
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	3.5 JB
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	160.0 B
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 3)

000184
SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.
CASE NO: NJ DEP

PW 002

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/25/86
Date Analyzed: 9/10/86
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

SAMPLE NUMBER
PW-002

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N. J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1					
2	-----	UNKNOWN ALKANE	VOA	37.08	18.3 J
3	-----	UNKNOWN ALKANE	VOA	40.86	46.8 J
4					
5	127184	TETRACHLOROETHENE	BNA	6.67	29.0 B
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

INORGANIC ANALYSIS DATA SHEET
FORM I

000023

Lab Name : NANCO LABORATORIES, INC.

Customer : N.J. DEP

Lab Sample ID: J6-0059-004

Lab. Receipt Date: 8/19/86

DEP Sample ID : PW-002

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	NR	13.	MAGNESIUM	NR
2.	ANTIMONY	50.0 U	14.	MANGANESE	180.0
3.	ARSENIC	10.0 U	15.	MERCURY	0.2
4.	BARIUM	NR	16.	NICKEL	30.0 U
5.	BERYLLIUM	2.0 U N	17.	POTASSIUM	NR
6.	CADMIUM	5.0 U	18.	SELENIUM	5.0 U N
7.	CALCIUM	NR	19.	SILVER	37.0
8.	CHROMIUM	10.0 U	20.	SODIUM	NR
9.	COBALT	NR	21.	THALLIUM	5.0 U
10.	COPPER	37.0	22.	VANADIUM	NR
11.	IRON	47600.0	23.	ZINC	76.0
12.	LEAD	25.0 U		PHENOL	10.0 U
	CYANIDE	10.0 U		PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly
LAB MANAGER

SEP 25 1986

SAMPLE DATA

PW-003

RUFF

6/84

SAMPLE ANALYSIS REQUEST FORM

NJDEP File # _____

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP	CODE	MAILING ADDRESS 60 PROSPECT ST
SAMPLE LOCATION	COMB SOUTH		TRENTON N.J. 08618

SAMPLE COLLECTOR

SAMPLER(S) Name	MIKE DENNIS	Agency	BEMA	Sampler ID #	HS114
Name	R Britton	Agency	"	Sampler ID #	HS163

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	PW 003	SAMPLING DATE	8/19/86	ABSCISSA (Longitude)	
SAMPLE POINT ID	RUFF RESIDENCE	TIME (MIL) SAMPLING BEGAN	1030	ORDINATE (Latitude)	N/A
SAMPLE SOURCE CODE		TIME (MIL) SAMPLING FINISHED	1040	ELEVATION	
REFERENCE POINT	KITCHEN SINK				

SAMPLING PROCESS

COLLECTION METHOD	Code Grab	Other	SAMPLE TYPE	Code 100	Other
TYPE OF SAMPLER	Code 323	Other Sample Bottle	SAMPLE MATRIX	Code 200	Other
DESCRIPTION					

FIELD MEASUREMENTS

SAMPLE TEMP.	°C	PARAMETER	pH	PARAMETER		PARAMETER	
AIR TEMP.	°C	VALUE	7.3	VALUE		VALUE	
WEATHER							

CHAIN-OF-CUSTODY IMPLEMENTED ☒ YES ☐ NO

PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
PP+40	7			

ANALYSIS(ES) AUTHORIZED BY PAUL SARRILL TITLE HSMS II

ANALYZING LABORATORY

CONTRACT LAB NAME		PERSON ACCEPTING SAMPLE	J. Hettinger	TITLE	Sample Custodian
LAB ID #	JC 0060-004	LAB CONTROL #		DATE 8/19/86	TIME (MIL) 1830

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE NUMBER
PW-003

Laboratory Name:NANCO LABORATORY INC.
Lab Sample ID No:>P3019
Sample Matrix: WATER
Data Release Authorized By: George Odell

Case No: N.J. DEP
QC Report No: ~~N/A~~ 004
Contract No: N/A
Date Sample Received: 8/19/86

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/20/86
Date Analyzed: 8/20/86
Conc/Dil Factor: 1 pH: 6.9
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	20.0 B
67-64-1	Acetone	7.6 JB
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	1.1 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.

000265

LABORATORY NAME: NANCO LABS. INC.
CASE NO: N.J. DEP

SAMPLE NO.
PW-003

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/22/86
Date Analyzed: 9/04/86
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	1.6 JB
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	20.0 B
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 3)

000266
SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.
CASE NO: NJ DEP

PW 003

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/25/86
Date Analyzed: 9/10/86
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

SAMPLE NUMBER 00J267
PW-003

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N. J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1					
2	110543	HEXANE	VOA	22.48	8.2 J
3	-----	UNKNOWN ALKANE	VOA	40.24	8.1 J
4					
5	127184	TETRACHLOROETHENE	BNA	6.66	39.0 J
6					
7					
8					
9					
10					
11					
12					
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25					
26					

INORGANIC ANALYSIS DATA SHEET
FORM I

000029

Lab Name : NANCO LABORATORIES, INC. Customer : N.J. DEP

Lab Sample ID: J6-0060-004 Lab. Receipt Date: 8/19/86

DEP Sample ID : PW-003

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	NR	13.	MAGNESIUM	NR
2.	ANTIMONY	50.0 U	14.	MANGANESE	180.0
3.	ARSENIC	10.0 U	15.	MERCURY	0.2
4.	BARIUM	NR	16.	NICKEL	30.0 U
5.	BERYLLIUM	2.0 U N	17.	POTASSIUM	NR
6.	CADMIUM	5.0 U	18.	SELENIUM	5.0 U N
7.	CALCIUM	NR	19.	SILVER	10.0 U
8.	CHROMIUM	10.0 U	20.	SODIUM	NR
9.	COBALT	NR	21.	THALLIUM	5.0 U
10.	COPPER	10.0 U	22.	VANADIUM	NR
11.	IRON	47600.0	23.	ZINC	44.0
12.	LEAD	25.0 UE		PHENOL	10.0 U
	CYANIDE	10.0 U		PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly
LAB MANAGER

001461

SEP 25 1986

SAMPLE DATA

PW-04

ABBOTT

6/84

NJDEP File # 000025

SAMPLE ANALYSIS REQUEST FORM

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	COMBE SOUTH	CODE	MAILING ADDRESS 65 PROSPECT ST
SAMPLE LOCATION	ABBOTT 12 EGATE	100	TRENTON NJ 08618

SAMPLE COLLECTOR

SAMPLER(S) Name	CHARLES ELMENDORF	Agency DEP — DWM	Sampler ID # HS-72
Name		Agency	Sampler ID #

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	PW04	SAMPLING DATE	8/19/86	ABSCISSA (Longitude)	
SAMPLE POINT ID	Storage tank	TIME (MIL) SAMPLING BEGAN	10:50	ORDINATE (Latitude)	
SAMPLE SOURCE CODE	400	TIME (MIL) SAMPLING FINISHED	11:10	ELEVATION	
REFERENCE POINT	ABBOTT 12 EGATE				

SAMPLING PROCESS

COLLECTION METHOD	Code	Other GRAB	SAMPLE TYPE	Code 100	Other
TYPE OF SAMPLER	Code	Other BOTTLE	SAMPLE MATRIX	Code 200	Other
DESCRIPTION	POTABLE WATER				

FIELD MEASUREMENTS

SAMPLE TEMP.	°C	PARAMETER	pH	PARAMETER		PARAMETER	
AIR TEMP.	°C	VALUE	7.4	VALUE		VALUE	
WEATHER	Clear						

CHAIN-OF-CUSTODY IMPLEMENTED	☒ YES ☐ NO	PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
EXTBL. ORGANICS				
metals				
phenols				
Cyanides				
VOA's				

ANALYSIS(ES) AUTHORIZED BY	RON KAISERMAN	TITLE	Tech Coordinator

ANALYZING LABORATORY

CONTRACT LAB NAME	NANCO	PERSON ACCEPTING SAMPLE	J. Hettinger	TITLE	Sample Custodian
LAB ID #	J6-0073-004	LAB CONTROL #		DATE 8/19/86	TIME (MIL) 18:30

ORGANICS ANALYSIS DATA SHEET
(PAGE 1)

001402 SAMPLE NUMBER
PW-04

Laboratory Name: WANCO LABORATORY INC.
Lab Sample ID No: >P3037
Sample Matrix: WATER
Data Release Authorized By: George Odell

Case No: N. J. DEP
QC Report No: ~~N/A~~ 004
Contract No: N/A
Date Sample Received: 8/19/86

VOLATILE COMPOUNDS

Concentration: (Low) Medium (Circle One)
Date Extracted/Prepared: 8/21/86
Date Analyzed: 8/21/86
Conc/Dil Factor: 1 pH: 6.2
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	14.0 B
67-64-1	Acetone	9.4 JB
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.

001483

LABORATORY NAME: NANCO LABS. INC.
CASE NO: NJ DEP

SAMPLE NO.
PW-04

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/22/86
Date Analyzed: 9/05/86
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	1.3 JB
206-44-0	Fluoranthene	10.0 U
129-00-0	Pyrene	10.0 U
85-68-7	Butylbenzylphthalate	1.3 J
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	6.1 JB
218-01-9	Chrysene	10.0 U
117-84-0	Di-n-Octyl Phthalate	0.8 J
205-99-2	Benzo(b)Fluoranthene	10.0 U
207-08-9	Benzo(k)Fluoranthene	10.0 U
50-32-8	Benzo(a)Pyrene	1.2 J
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 3)

001404 SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.
CASE NO: NJ DEP

PW 04

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/25/86
Date Analyzed: 9/10/86
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	0.07
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

001405

SAMPLE NUMBER
PW-04

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N. J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	110543	HEXANE	VOA	22.55	10.3 J
2	-----	UNKNOWN ALKANE	VOA	37.21	57.4 J
3	-----	UNKNOWN ALKANE	VOA	40.46	31.6 J
4					
5	127184	TETRACHLOROETHENE	BNA	6.66	23.0 JB
6					
7					
8					
9					
10					
11					
12					
13					
14					
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16					
17					
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22					
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25					
26					

INORGANIC ANALYSIS DATA SHEET
FORM I

Lab Name : NANCO LABORATORIES, INC.

Customer : N.J. DEP

Lab Sample ID: J6-0073-004

Lab. Receipt Date: 8/19/86

DEP Sample ID : PW-04

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	NR	13. MAGNESIUM	NR
2. ANTIMONY	50.0 U	14. MANGANESE	NR
3. ARSENIC	5.0 U	15. MERCURY	0.2 U
4. BARIUM	NR	16. NICKEL	30.0 U
5. BERYLLIUM	2.0 U N	17. POTASSIUM	NR
6. CADMIUM	5.0 U	18. SELENIUM	5.0 U N
7. CALCIUM	NR	19. SILVER	10.0 U
8. CHROMIUM	10.0 U	20. SODIUM	NR
9. COBALT	NR	21. THALLIUM	10.0 U
10. COPPER	71.0	22. VANADIUM	NR
11. IRON	NR	23. ZINC	21.0
12. LEAD	25.0 U	PHENOL	10.0 U
CYANIDE	10.0 U	PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly

LAB MANAGER

000354

SEP 25 1989

SAMPLE DATA

PW-005

CONSTANTINO

6/84

NJDEP File # _____

SAMPLE ANALYSIS REQUEST FORM

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP/BEMQA	CODE	MAILING ADDRESS [illegible] Pact St
SAMPLE LOCATION	Combe [illegible]		Trenton, NJ 08618

SAMPLE COLLECTOR

SAMPLER(S) Name	M Dennis	Agency	BEMQA	Sampler ID #	HS 114
Name	R. Britten	Agency	"	Sampler ID #	HS 163

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	PW-005	SAMPLING DATE	8/19/86	ABSCISSA (Longitude)	
SAMPLE POINT ID	Constantino	TIME (MIL) SAMPLING BEGAN	1030	ORDINATE (Latitude)	
SAMPLE SOURCE CODE	400	TIME (MIL) SAMPLING FINISHED	1040	ELEVATION	
REFERENCE POINT					

SAMPLING PROCESS

COLLECTION METHOD	Code Grab	Other	SAMPLE TYPE	Code 100	Other
TYPE OF SAMPLER	Code 323	Other Sample Bottle	SAMPLE MATRIX	Code 200	Other
DESCRIPTION					

FIELD MEASUREMENTS

SAMPLE TEMP. °C	PARAMETER pH = 7.1	PARAMETER	PARAMETER
AIR TEMP. °C	VALUE	VALUE	VALUE
WEATHER			

CHAIN-OF-CUSTODY IMPLEMENTED ☐ YES ☐ NO

PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
Pl + 40	7			

ANALYSIS(ES) AUTHORIZED BY Paul Zarrillo TITLE HSMS II

ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE J. Hettinger	TITLE Sample Custodian	
LAB ID # 36-0061-004	LAB CONTROL #	DATE 8/19/86	TIME (MIL) 18:30

ORGANICS ANALYSIS DATA SHEET
(PAGE 1)

000355
SAMPLE NUMBER
PW-005

Laboratory Name:NANCO LABORATORY INC.
Lab Sample ID No:>P3020
Sample Matrix: WATER
Data Release Authorized By: George O'Dell

Case No: N.J. DEP
QC Report No: ~~N/A~~ 004
Contract No: N/A
Date Sample Received: 8/19/86

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/20/86
Date Analyzed: 8/20/86
Conc/Dil Factor: 1 pH: 6.6
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	13.0 B
67-64-1	Acetone	12.0 B
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.

ORGANIC ANALYSIS DATA SHEET
(PAGE 2)

LABORATORY NAME: NANCO LABS. INC.
CASE NO: N.J. DEP

SAMPLE NO.
PW-005

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/22/86
Date Analyzed: 9/04/86
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	4.0 JB
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	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

ORGANICS ANALYSIS DATA SHEET
(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.
CASE NO: NJ DEP

PW 005

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/25/86
Date Analyzed: 9/10/86
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

SAMPLE NUMBER
PW-005

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N. J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	-----	UNKNOWN	VOA	26.12	6.7 J
2	-----	UNKNOWN	VOA	37.01	41.2 J
3	-----	UNKNOWN	VOA	40.56	29.9 J
4					
5	127184	TETRACHLOROETHENE	BNA	6.66	47.0 JB
6	-----	UNKNOWN PHTHALATE	BNA	35.90	34.0 J
7	-----	UNKNOWN PHTHALATE	BNA	36.06	24.0 J
8	-----	UNKNOWN PHTHALATE	BNA	36.27	63.0 J
9	-----	UNKNOWN PHTHALATE	BNA	36.57	27.0 J
10	-----	UNKNOWN PHTHALATE	BNA	36.82	43.0 J
11	-----	UNKNOWN PHTHALATE	BNA	37.84	35.0 J
12					
13					
14					
15					
16					
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26					

INORGANIC ANALYSIS DATA SHEET
FORM I

000027

Lab Name : NANCO LABORATORIES, INC. Customer : N.J. DEP

Lab Sample ID: J6-0061-004 Lab. Receipt Date: 8/19/86

DEP Sample ID : PW-005

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	NR	13.	MAGNESIUM	NR
2.	ANTIMONY	50.0 U	14.	MANGANESE	180.0
3.	ARSENIC	10.0 U	15.	MERCURY	0.2 U
4.	BARIUM	NR	16.	NICKEL	30.0 U
5.	BERYLLIUM	2.0 U N	17.	POTASSIUM	NR
6.	CADMIUM	5.0 U	18.	SELENIUM	5.0 U N
7.	CALCIUM	NR	19.	SILVER	10.0 U
8.	CHROMIUM	10.0 U	20.	SODIUM	NR
9.	COBALT	NR	21.	THALLIUM	5.0 U
10.	COPPER	43.0	22.	VANADIUM	NR
11.	IRON	47600.0	23.	ZINC	22.0
12.	LEAD	25.0 UE		PHENOL	10.0 U
	CYANIDE	10.0 U		PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly

LAB MANAGER

000449
SEP 25 1986

SAMPLE DATA

PW-006

Mitchell

6/84

NJDEP 00000
File # _____

SAMPLE ANALYSIS REQUEST FORM

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP/BEMQA	CODE	MAILING ADDRESS 65 Prospect St.
SAMPLE LOCATION	Combe Smith		Trenton, NJ 08611

SAMPLE COLLECTOR

SAMPLER(S) Name	M Dennis	Agency	BEMQA	Sampler ID #	HS 114
Name	R. Britton	Agency	"	Sampler ID #	HS 163

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	PW006	SAMPLING DATE	8/19/86	ABSCISSA (Longitude)	
SAMPLE POINT ID	Mitchell	TIME (MIL) SAMPLING BEGAN	~~10:50~~ 1115	ORDINATE (Latitude)	
SAMPLE SOURCE CODE	400	TIME (MIL) SAMPLING FINISHED	~~1100~~ 1130	ELEVATION	
REFERENCE POINT					

SAMPLING PROCESS

COLLECTION METHOD	Code Grab	Other	SAMPLE TYPE	Code 100	Other
TYPE OF SAMPLER	Code 323	Other Sample Bottle	SAMPLE MATRIX	Code 200	Other
DESCRIPTION					

FIELD MEASUREMENTS

SAMPLE TEMP. °C	PARAMETER pH=6.4	PARAMETER	PARAMETER
AIR TEMP. °C	VALUE	VALUE	VALUE
WEATHER			

CHAIN-OF-CUSTODY IMPLEMENTED ☐ YES ☐ NO

PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
pH+40	7			

ANALYSIS(ES) AUTHORIZED BY Paul Zarrillo

TITLE HSMS IV

ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE J Bettinger		TITLE Samp Custodian
LAB ID # JL-0062-004	LAB CONTROL #	DATE 8/19/86	TIME (MIL) 18:30

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE NUMBER
PW-006

Laboratory Name: NANCO LABORATORY INC.
Lab Sample ID No: >P3021
Sample Matrix: WATER
Data Release Authorized By: [signature]

Case No: N.J. DEP
QC Report No: ~~N/A~~ C014
Contract No: N/A
Date Sample Received: 8/19/86

VOLATILE COMPOUNDS

Concentration: (Low) Medium (Circle One)
Date Extracted/Prepared: 8/20/86
Date Analyzed: 8/20/86
Conc/Dil Factor: 1 pH: 5.9
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	27.0 B	124-48-1	Dibromochloromethane	5.0 U
67-64-1	Acetone	10.2 B	79-00-5	1,1,2-Trichloroethane	5.0 U
75-15-0	Carbon Disulfide	5.0 U	71-43-2	Benzene	1.4 J
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.

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.

ORGANIC ANALYSIS DATA SHEET
(PAGE 2)

LABORATORY NAME: NANCO LABS. INC.
CASE NO: N.J. DEP

SAMPLE NO.
PW-006

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/22/86
Date Analyzed: 9/04/86
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	4.0 JB
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 3)

LABORATORY NAME: NANCO LABS, INC.
CASE NO: NJ DEP

PW 006

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/25/86
Date Analyzed: 9/10/86
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

SAMPLE NUMBER
PW-006

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N. J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	110543	HEXANE	VOA	22.49	10.9 J
2	-----	UNKNOWN	VOA	40.55	48.8 J
3					
4	127184	TETRACHLOROETHENE	BNA	6.66	26.0 JB
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

INORGANIC ANALYSIS DATA SHEET
FORM I

000026

Lab Name : NANCO LABORATORIES, INC. Customer : N.J. DEP

Lab Sample ID: J6-0062-004 Lab. Receipt Date: 8/19/86

DEP Sample ID : PW-006

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	NR	13.	MAGNESIUM	NR
2.	ANTIMONY	50.0 U	14.	MANGANESE	180.0
3.	ARSENIC	10.0 U	15.	MERCURY	0.2 U
4.	BARIUM	NR	16.	NICKEL	30.0 U
5.	BERYLLIUM	2.0 U N	17.	POTASSIUM	NR
6.	CADMIUM	5.0 U	18.	SELENIUM	5.0 U N
7.	CALCIUM	NR	19.	SILVER	10.0 U
8.	CHROMIUM	10.0 U	20.	SODIUM	NR
9.	COBALT	NR	21.	THALLIUM	5.0 U
10.	COPPER	351.0	22.	VANADIUM	NR
11.	IRON	47600.0	23.	ZINC	21.0
12.	LEAD	25.0 UE		PHENOL	10.0 U
	CYANIDE	10.0 U		PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly

LAB MANAGER

005532

SEP 25 1986

SAMPLE DATA

PW-007

SCURC1

6/84

SAMPLE ANALYSIS REQUEST FORM

NJDEP File # 000009

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP/DHSM/BEMQA	CODE	MAILING ADDRESS 65 PROSPECT ST
SAMPLE LOCATION	Combe South		TRENTON NJ 08618

SAMPLE COLLECTOR

SAMPLER(S) Name	CHAD VAN SCIVER	Agency	BEMQA	Sampler ID #	HS 171
Name	JERRY KASHATUS	Agency	"	Sampler ID #	HS 223

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	PW007	SAMPLING DATE	8/14/86	ABSCISSA (Longitude)	
SAMPLE POINT ID	SCURCI	TIME (MIL) SAMPLING BEGAN	1055	ORDINATE (Latitude)	
SAMPLE SOURCE CODE	400	TIME (MIL) SAMPLING FINISHED	1110	ELEVATION	
REFERENCE POINT	55 E. Valley Brook Rd.				

SAMPLING PROCESS

COLLECTION METHOD	Code GRAB	Other	SAMPLE TYPE	Code 100	Other
TYPE OF SAMPLER	Code 323	Other BOTTLE	SAMPLE MATRIX	Code 200	Other
DESCRIPTION					

FIELD MEASUREMENTS

SAMPLE TEMP.	°C	PARAMETER		PARAMETER		PARAMETER
AIR TEMP.	80 °F °C	VALUE	PH = 5.8	VALUE		VALUE
WEATHER	CLEAR					

CHAIN-OF-CUSTODY IMPLEMENTED ☐ YES ☐ NO	PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
PP + 40				

ANALYSIS(ES) AUTHORIZED BY	PAUL ZARILLO	TITLE	HSMS II

ANALYZING LABORATORY

CONTRACT LAB NAME		PERSON ACCEPTING SAMPLE	J Kittenger	TITLE	Army Custodian
LAB ID #	36-0063-004	LAB CONTROL #		DATE 8/19/86	TIME (MIL) 18:30

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE NUMBER
PW-007

Laboratory Name: NANCO LABORATORY INC.
Lab Sample ID No: >P3022
Sample Matrix: WATER
Data Release Authorized By: George O'Neill

Case No: N.J. DEP
QC Report No: ~~N/A~~ 004
Contract No: N/A
Date Sample Received: 8/19/86

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/20/86
Date Analyzed: 8/20/86
Conc/Dil Factor: 1 pH: 5.8
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	2.2 J
75-09-2	Methylene Chloride	19.0 B	124-48-1	Dibromochloromethane	5.0 U
67-64-1	Acetone	13.0 B	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.

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.

000534

LABORATORY NAME: NANCO LABS. INC.
CASE NO: N.J. DEP

SAMPLE NO.
PW-007

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/22/86
Date Analyzed: 9/04/86
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	6.0 JB
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

SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.
CASE NO: NJ DEP

PW 007

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/25/86
Date Analyzed: 9/10/86
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

SAMPLE NUMBER
PW-007

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N. J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	110543	HEXANE	VOA	22.48	7.6 J
2	-----	UNKNOWN ALKANE	VOA	36.84	11.7 J
3	-----	UNKNOWN	VOA	40.00	14.9 J
4					
5	127184	TETRACHLOROETHENE	BNA	6.67	44.0 JB
6	-----	UNKNOWN	BNA	30.58	56.0 J
7	123955	OCTADECANOIC ACID, BUTYL ESTER	BNA	32.79	29.0 J
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

INORGANIC ANALYSIS DATA SHEET
FORM I

000030

Lab Name : NANCO LABORATORIES, INC.

Customer : N.J. DEP

Lab Sample ID: J6-0063-004

Lab. Receipt Date: 8/19/86

DEP Sample ID : PW-007

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	NR	13. MAGNESIUM	NR
2. ANTIMONY	50.0 U	14. MANGANESE	180.0
3. ARSENIC	10.0 U	15. MERCURY	0.2 U
4. BARIUM	NR	16. NICKEL	30.0 U
5. BERYLLIUM	2.0 UN	17. POTASSIUM	NR
6. CADMIUM	5.0 U	18. SELENIUM	5.0 UN
7. CALCIUM	NR	19. SILVER	15.0
8. CHROMIUM	10.0 U	20. SODIUM	NR
9. COBALT	NR	21. THALLIUM	5.0 U
10. COPPER	347.0	22. VANADIUM	NR
11. IRON	47600.0	23. ZINC	77.0
12. LEAD	25.0 U	PHENOL	10.0 U
CYANIDE	10.0 U	PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly

LAB MANAGER

000620

SEP 25 1986

SAMPLE DATA

PW-008

COLE

6/84

SAMPLE ANALYSIS REQUEST FORM

NJDEP File # 000010

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP/DHSM/BEMGA	CODE	MAILING ADDRESS 65 PROSPECT ST
SAMPLE LOCATION	Combe South		TRENTON, NJ 08618

SAMPLE COLLECTOR

SAMPLER(S) Name	CHAD VAN SCIVER	Agency	BEMGA	Sampler ID #	HS 171
Name	JERRY KASHATUS	Agency	"	Sampler ID #	HS 223

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	PW 008	SAMPLING DATE	8/19/86	ABSCISSA (Longitude)	
SAMPLE POINT ID	Cole	TIME (MIL) SAMPLING BEGAN	1355	ORDINATE (Latitude)	
SAMPLE SOURCE CODE	400	TIME (MIL) SAMPLING FINISHED	1410	ELEVATION	
REFERENCE POINT	1050 STATE PARK RD				

SAMPLING PROCESS

COLLECTION METHOD	Code	Other GRAB	SAMPLE TYPE	Code 100	Other
TYPE OF SAMPLER	Code 323	Other Bottle	SAMPLE MATRIX	Code 200	Other
DESCRIPTION	Well Head				

FIELD MEASUREMENTS

SAMPLE TEMP. °C	PARAMETER pH	PARAMETER	PARAMETER
AIR TEMP. °C	VALUE 7.0	VALUE	VALUE
WEATHER			

CHAIN-OF-CUSTODY IMPLEMENTED ☒ YES ☐ NO

PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
PP 40				

ANALYSIS(ES) AUTHORIZED BY PAUL ZARRILLO

TITLE HSMS II

ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE J Hettinger	TITLE Sample Custodian	
LAB ID # J6-0001-004	LAB CONTROL #	DATE 8/19/86	TIME (MIL) 18:30

ORGANICS ANALYSIS DATA SHEET
(PAGE 1)

SAMPLE NUMBER
PW-008

Laboratory Name:NANCO LABORATORY INC.
Lab Sample ID No:>P3023
Sample Matrix: WATER
Data Release Authorized By: George Oliver

Case No: N.J. DEP
QC Report No: ~~N/A~~ 004
Contract No: N/A
Date Sample Received: 8/19/86

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/20/86
Date Analyzed: 8/20/86
Conc/Dil Factor: 1 pH: 6.6
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	7.9 B
67-64-1	Acetone	7.1 JB
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.

000622

LABORATORY NAME: NANCO LABS. INC.
CASE NO: N.J. DEP

SAMPLE NO.
PW-008

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/22/86
Date Analyzed: 9/05/86
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 B
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	510.0 B
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 3)

000623
SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.
CASE NO: NJ DEP

PW 008

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/25/86
Date Analyzed: 9/10/86
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

INORGANIC ANALYSIS DATA SHEET
FORM I

Lab Name : NANCO LABORATORIES, INC.

Customer : N.J. DEP

Lab Sample ID: J6-0064-004

Lab. Receipt Date: 8/19/86

DEP Sample ID : PW-008

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	NR	13.	MAGNESIUM	NR
2.	ANTIMONY	50.0 U	14.	MANGANESE	180.0
3.	ARSENIC	10.0 U	15.	MERCURY	0.2 U
4.	BARIUM	NR	16.	NICKEL	30.0 U
5.	BERYLLIUM	2.0 U N	17.	POTASSIUM	NR
6.	CADMIUM	5.0 U	18.	SELENIUM	5.0 U N
7.	CALCIUM	NR	19.	SILVER	10.0 U
8.	CHROMIUM	10.0 U	20.	SODIUM	NR
9.	COBALT	NR	21.	THALLIUM	5.0 U
10.	COPPER	64.0	22.	VANADIUM	NR
11.	IRON	47600.0	23.	ZINC	27.0
12.	LEAD	25.0 UE		PHENOL	10.0 U
	CYANIDE	10.0 U		PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly

LAB MANAGER

000624

SAMPLE NUMBER
PW-008

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N. J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1					
2	-----	UNKNOWN	VOA	36.88	7.0 J
3	-----	UNKNOWN	VOA	40.12	14.5 J
4					
5	127184	TETRACHLOROETHENE	BNA	6.65	49.0 JB
6	-----	UNKNOWN BUTYL ESTER	BNA	30.57	26.0 J
7	27554263	1,2 BENZENEDICARBOXYLIC ACID	BNA	35.44	27.0 J
8		ACID DISOCTYL ESTER			
9	-----	UNKNOWN PHTHALATE	BNA	37.70	1000.0 J
10	-----	UNKNOWN PHTHALATE	BNA	37.83	53.0 J
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

000709

SEP 25 1986

SAMPLE DATA

PW-009

NAST

SAMPLE ANALYSIS REQUEST FORM

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP / BEMQA	CODE	MAILING ADDRESS 65 Prospect ST
SAMPLE LOCATION	COMB South		TRENTON N.J. 08618

SAMPLE COLLECTOR

SAMPLER(S) Name	MIKE DENNIS	Agency	BEMQA	Sampler ID #	HS114
Name	CHUCK BLAMENDORF	Agency	BEMQA	Sampler ID #	HS 72

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	PW009	SAMPLING DATE	8/19/86	ABSCISSA (Longitude)	N/A
SAMPLE POINT ID	NAST RESIDENCE	TIME (MIL) SAMPLING BEGAN	12:30	ORDINATE (Latitude)	
SAMPLE SOURCE CODE	400	TIME (MIL) SAMPLING FINISHED	12:40	ELEVATION	
REFERENCE POINT	OUTSIDE WELL HOLDING TANK FAUCET				

SAMPLING PROCESS

COLLECTION METHOD	Code	Other	GRAB	SAMPLE TYPE	Code 100	Other	
TYPE OF SAMPLER	Code 323	Other	SAMPLE BOTTLE	SAMPLE MATRIX	Code 200	Other	
DESCRIPTION							

FIELD MEASUREMENTS

SAMPLE TEMP. °C	PARAMETER	pH	PARAMETER	PARAMETER
AIR TEMP. °C	VALUE	6.9	VALUE	VALUE
WEATHER				

CHAIN-OF-CUSTODY IMPLEMENTED ☒ YES ☐ NO

PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
PP +40	7 (TOTAL)			

ANALYSIS(ES) AUTHORIZED BY PAUL ZARRILLO TITLE HSMS II

ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE J. Hettinger	TITLE Samp Custodian	
LAB ID # J6-0065-004	LAB CONTROL #	DATE 8/19/86	TIME (MIL) 18:30

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE NUMBER
PW-009

Laboratory Name:NANCO LABORATORY INC.
Lab Sample ID No:>P3024
Sample Matrix: WATER
Data Release Authorized By: [signature]

Case No: N. J. DEP
QC Report No: ~~N/A~~ 004
Contract No: N/A
Date Sample Received: 8/19/86

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/21/86
Date Analyzed: 8/21/86
Conc/Dil Factor: 1 pH: 5.7
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	20.9 B	124-48-1	Dibromochloromethane	5.0 U
67-64-1	Acetone	13.0 B	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.

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.

ORGANIC ANALYSIS DATA SHEET
(PAGE 2)

LABORATORY NAME: NANCO LABS. INC.
CASE NO: N.J. DEP

SAMPLE NO.
PW-009

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/22/86
Date Analyzed: 9/05/86
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

ORGANICS ANALYSIS DATA SHEET

(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.

CASE NO: NJ DEP

PW 009

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 8/25/86

Date Analyzed: 9/10/86

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

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

SAMPLE NUMBER
PW-009

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N. J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	-----	UNKNOWN	VOA	22.54	6.3 J
2					
3	127184	TETRACHLOROETHENE	BNA	6.67	43.0 JB
4	-----	UNKNOWN PHTHALATE	BNA	30.58	51.0 J
5	123955	OCTADECANOIC ACID, BUTYL ESTER	BNA	32.77	300.0 J
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

INORGANIC ANALYSIS DATA SHEET
FORM I

000032

Lab Name : NANCO LABORATORIES, INC. Customer : N.J. DEP

Lab Sample ID: J6-0065-004 Lab. Receipt Date: 8/19/86

DEP Sample ID : PW-009

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	NR	13.	MAGNESIUM	NR
2.	ANTIMONY	50.0 U	14.	MANGANESE	180.0
3.	ARSENIC	10.0 U	15.	MERCURY	0.2 U
4.	BARIUM	NR	16.	NICKEL	30.0 U
5.	BERYLLIUM	2.0 U N	17.	POTASSIUM	NR
6.	CADMIUM	5.0 U	18.	SELENIUM	5.0 U N
7.	CALCIUM	NR	19.	SILVER	10.0 U
8.	CHROMIUM	10.0 U	20.	SODIUM	NR
9.	COBALT	NR	21.	THALLIUM	5.0 U
10.	COPPER	63.0	22.	VANADIUM	NR
11.	IRON	47600.0	23.	ZINC	10.0 U
12.	LEAD	25.0 UE		PHENOL	10.0 U
	CYANIDE	10.0 U		PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly

LAB MANAGER

SEP 25 1986

SAMPLE DATA

PW-010

MILLER

6/84

SAMPLE ANALYSIS REQUEST FORM

NJDEP File # 000012

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP/DHSM/BEMQA	CODE	MAILING ADDRESS 65 Prospect St Trenton, NJ 08618
SAMPLE LOCATION	Combe South		

SAMPLE COLLECTOR

SAMPLER(S) Name	Chad VanSciver	Agency	BEMQA	Sampler ID #	HS 171
Name	Jerry KASHATUS	Agency	"	Sampler ID #	HS 223

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	PW010	SAMPLING DATE	8/19/86	ABSCISSA (Longitude)	
SAMPLE POINT ID	Miller	TIME (MIL) SAMPLING BEGAN	1240	ORDINATE (Latitude)	
SAMPLE SOURCE CODE	400	TIME (MIL) SAMPLING FINISHED	1250	ELEVATION	
REFERENCE POINT	98 old FARMERS RD				

SAMPLING PROCESS

COLLECTION METHOD	Code ~~323~~	Other GRAB	SAMPLE TYPE	Code 100	Other
TYPE OF SAMPLER	Code 323	Other Bottle	SAMPLE MATRIX	Code 200	Other
DESCRIPTION	Sampled at well head				

FIELD MEASUREMENTS

SAMPLE TEMP. °C	PARAMETER pH	PARAMETER	PARAMETER
AIR TEMP. 75°F °C	VALUE ~~PH~~ # 6.6	VALUE	VALUE
WEATHER Clear			

CHAIN-OF-CUSTODY IMPLEMENTED ☒ YES ☐ NO

PRESERVATION CODE(S)

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
PP + 40				

ANALYSIS(ES) AUTHORIZED BY Paul ZARRILLO

TITLE HSMS II

ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE J Kettinger	TITLE Sample Custodian	
LAB ID # J6-0066-004	LAB CONTROL #	DATE 8/19/86	TIME (MIL) 1830

ORGANICS ANALYSIS DATA SHEET
(PAGE 1)

SAMPLE NUMBER
PW-010

Laboratory Name:NANCO LABORATORY INC.
Lab Sample ID No:>P3025
Sample Matrix: WATER
Data Release Authorized By: George Odell

Case No: N. J. DEP
QC Report No: ~~N/A~~ 004
Contract No: N/A
Date Sample Received: 8/19/86

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/21/86
Date Analyzed: 8/21/86
Conc/Dil Factor: 1 pH: 6.8
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	42.0 B
67-64-1	Acetone	26.0 B
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	14.0 B
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.

LABORATORY NAME: NANCO LABS. INC.
CASE NO: N.J. DEP

SAMPLE NO.
PW-010

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/22/86
Date Analyzed: 9/05/86
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	2.1 JB
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	110.0 B
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

ORGANICS ANALYSIS DATA SHEET

(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.

CASE NO: NJ DEP

PW 010

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 8/25/86

Date Analyzed: 9/10/86

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

SAMPLE NUMBER
PW-010

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N. J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	110543	HEXANE	VOA	22.47	11.7 J
2	-----	UNKNOWN	VOA	26.18	5.2 J
3	-----	UNKNOWN	VOA	26.87	5.5 J
4					
5	127184	TETRACHLOROETHENE	BNA	6.67	35.0 JB
6	-----	UNKNOWN PHTHALATE	BNA	35.89	27.0 J
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

Lab Name : NANCO LABORATORIES, INC. Customer : N.J. DEP

Lab Sample ID: J6-0066-004 Lab. Receipt Date: 8/19/86

DEP Sample ID : PW-010

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	NR	13.	MAGNESIUM	NR
2.	ANTIMONY	50.0 U	14.	MANGANESE	180.0
3.	ARSENIC	10.0 U	15.	MERCURY	0.2 U
4.	BARIUM	NR	16.	NICKEL	30.0 U
5.	BERYLLIUM	2.0 U N	17.	POTASSIUM	NR
6.	CADMIUM	5.0 U	18.	SELENIUM	5.0 U N
7.	CALCIUM	NR	19.	SILVER	10.0 U
8.	CHROMIUM	10.0 U	20.	SODIUM	NR
9.	COBALT	NR	21.	THALLIUM	5.0 U
10.	COPPER	58.0	22.	VANADIUM	NR
11.	IRON	47600.0	23.	ZINC	48.0
12.	LEAD	25.0 UE		PHENOL	10.0 U
	CYANIDE	10.0 U		PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly
LAB MANAGER

000879

SEP 25 1986

SAMPLE DATA

PW-011

HEINLEIN

SAMPLE ANALYSIS REQUEST FORM

File # 000001

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP / BEMRA	CODE	MAILING ADDRESS 65 Prospect St
SAMPLE LOCATION	COMBE South		Trenton N.J. 08618

SAMPLE COLLECTOR

SAMPLER(S) Name	MIKE DENNIS	Agency	BEMRA	Sampler ID #	HS 714
Name	Chuck ELMENDORF	Agency	BEMRA	Sampler ID #	HS 572

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	PW011	SAMPLING DATE	8/19/86	ABSCISSA (Longitude)	N/A
SAMPLE POINT ID	HEINLEIN RES.	TIME (MIL) SAMPLING BEGAN	1350	ORDINATE (Latitude)	
SAMPLE SOURCE CODE	400	TIME (MIL) SAMPLING FINISHED	1500	ELEVATION	
REFERENCE POINT	OUT SIDE FACET BY POOL ON BACK LEFT SIDE of HOUSE (CLOSEST TO TANK				

SAMPLING PROCESS

COLLECTION METHOD	Code	Other	GRAB	SAMPLE TYPE	Code	100	Other
TYPE OF SAMPLER	Code 323	Other	SAMPLE BOTTLE	SAMPLE MATRIX	Code	200	Other
DESCRIPTION							

FIELD MEASUREMENTS

SAMPLE TEMP. °C	PARAMETER	pH	PARAMETER	PARAMETER
AIR TEMP. °C	VALUE	7.2	VALUE	VALUE
WEATHER				

CHAIN-OF-CUSTODY IMPLEMENTED ☒ YES ☐ NO

PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
PP+40	TOTAL - of 7			

ANALYSIS(ES) AUTHORIZED BY PAUL ZARRILLO

TITLE HSMS II

ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE J. Hettinger	TITLE Lab Custodian	
LAB ID # 56-0067-004	LAB CONTROL #	DATE 8/19/86	TIME (MIL) 18:30

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

000830

SAMPLE NUMBER

PW-011

Laboratory Name:NANCO LABORATORY INC.

Lab Sample ID No:>P3026

Sample Matrix: WATER

Data Release Authorized By: George O'Dell

Case No: N. J. DEP

QC Report No: ~~N/A~~ 004

Contract No: N/A

Date Sample Received: 8/19/86

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 8/21/86

Date Analyzed: 8/21/86

Conc/Dil Factor: 1 pH: 6.3

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	48.0 B	124-48-1	Dibromochloromethane	5.0 U
67-64-1	Acetone	[illegible] B	79-00-5	1,1,2-Trichloroethane	5.0 U
75-15-0	Carbon Disulfide	[illegible] U	71-43-2	Benzene	2.1 J
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.

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.

000881

LABORATORY NAME: NANCO LABS. INC.
CASE NO: N.J. DEP

SAMPLE NO.
PW-011

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/22/86
Date Analyzed: 9/05/86
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	75.0 B
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

ORGANICS ANALYSIS DATA SHEET

(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.

CASE NO: NJ DEP

PW 011

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 8/25/86

Date Analyzed: 9/10/86

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

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

000823

SAMPLE NUMBER
PW-011

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N. J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	110543	HEXANE	VOA	22.47	12.5 J
2					
3	127184	TETRACHLOROETHENE	BNA	6.68	36.0 JB
4	-----	UNKNOWN PHTHALATE	BNA	36.28	27.0 J
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

FORM I

Lab Name : NANCO LABORATORIES, INC. Customer : N.J. DEP

Lab Sample ID: J6-0067-004 Lab. Receipt Date: 8/19/86

DEP Sample ID : PW-011

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	NR	13.	MAGNESIUM	NR
2.	ANTIMONY	50.0 U	14.	MANGANESE	180.0
3.	ARSENIC	5.0 U	15.	MERCURY	0.2 U
4.	BARIUM	NR	16.	NICKEL	30.0 U
5.	BERYLLIUM	2.0 U N	17.	POTASSIUM	NR
6.	CADMIUM	5.0 U	18.	SELENIUM	5.0 U N
7.	CALCIUM	NR	19.	SILVER	10.0 U
8.	CHROMIUM	10.0 U	20.	SODIUM	NR
9.	COBALT	NR	21.	THALLIUM	5.0 U
10.	COPPER	27.0	22.	VANADIUM	NR
11.	IRON	47600.0	23.	ZINC	10.0 U
12.	LEAD	25.0 UE		PHENOL	10.0 U
	CYANIDE	10.0 U		PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly

LAB MANAGER

000970

SEP 25 1986

SAMPLE DATA

PW-012

SCHROEDER

6/84

NJDEP File # 000014

SAMPLE ANALYSIS REQUEST FORM

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP / BEMQA	CODE	MAILING ADDRESS 65 PROSPECT ST. TRENTON N.J. 08618
SAMPLE LOCATION	COMB SOUTH		

SAMPLE COLLECTOR

SAMPLER(S) Name	MIKE DENNIS	Agency	BEMQA	Sampler ID #	HS 114
Name	CHUCK ELMENDORF	Agency	BEMQA	Sampler ID #	HS 72

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	PW012	SAMPLING DATE	8/19/86	ABSCISSA (Longitude)	N/A
SAMPLE POINT ID	Schroeder RES.	TIME (MIL) SAMPLING BEGAN	1332	ORDINATE (Latitude)	
SAMPLE SOURCE CODE	400	TIME (MIL) SAMPLING FINISHED	1342	ELEVATION	
REFERENCE POINT	Kitchen Sink				

SAMPLING PROCESS

COLLECTION METHOD	Code	Other	GRAB	SAMPLE TYPE	Code 100	Other	
TYPE OF SAMPLER	Code 323	Other	SAMPLE BOTTLE	SAMPLE MATRIX	Code 200	Other	
DESCRIPTION	BY PASSED TREATMENT SYSTEM IN BASEMENT						

FIELD MEASUREMENTS

SAMPLE TEMP. °C	PARAMETER	pH	PARAMETER	PARAMETER
AIR TEMP. °C	VALUE	7.1	VALUE	VALUE
WEATHER				

CHAIN-OF-CUSTODY IMPLEMENTED ☒ YES ☐ NO

PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
PP+40	9 (TOTAL)			

ANALYSIS(ES) AUTHORIZED BY PAUL ZARRILLO TITLE HRMS II

ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE J. Hettinger		TITLE Lab Custodian
LAB ID # J6-0068-004	LAB CONTROL #	DATE 8/19/86	TIME (MIL) 18:30

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

000971 SAMPLE NUMBER

PW-012

Laboratory Name: NANCO LABORATORY INC.

Lab Sample ID No: >P3032

Sample Matrix: WATER

Data Release Authorized By: [illegible]

Case No: N. J. DEP

QC Report No: ~~N/A~~ [illegible]

Contract No: N/A

Date Sample Received: 8/19/86

VOLATILE COMPOUNDS

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 8/21/86

Date Analyzed: 8/21/86

Conc/Dil Factor: 1 pH: 7.1

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	9.7 B
67-64-1	Acetone	19.0 B
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.

000972

LABORATORY NAME: NANCO LABS. INC.
CASE NO: NJ DEP

SAMPLE NO.
PW-012

SEMIVOLATILE COMPOUNDS

Concentration: (Low) Medium (Circle One)
Date Extracted/Prepared: 8/22/86
Date Analyzed: 9/05/86
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	1.4 JB
206-44-0	Fluoranthene	10.0 U
129-00-0	Pyrene	10.0 U
85-68-7	Butylbenzylphthalate	1.5 J
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	96.0 B
218-01-9	Chrysene	10.0 U
117-84-0	Di-n-Octyl Phthalate	23.0
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

ORGANICS ANALYSIS DATA SHEET

(PAGE 3)

000973 SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.

CASE NO: NJ DEP

PW 012

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 8/25/86

Date Analyzed: 9/10/86

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

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

000974

SAMPLE NUMBER
PW-012

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N. J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	-----	UNKNOWN	VOA	16.41	29.3 J
2	110543	HEXANE	VOA	22.50	5.6 J
3	-----	UNKNOWN	VOA	26.13	5.3 J
4	-----	UNKNOWN	VOA	26.82	6.0 J
5	-----	UNKNOWN	VOA	32.38	21.1 J
6	-----	UNKNOWN ALKANE	VOA	37.00	6.5 J
7	-----	UNKNOWN ALKANE	VOA	40.56	8.1 J
8					
9	127184	TETRACHLOROETHENE	BNA	6.67	48.0 JB
10	-----	UNKNOWN ESTER	BNA	30.60	38.0 J
11	-----	UNKNOWN ESTER	BNA	35.92	23.0 J
12	-----	UNKNOWN ESTER	BNA	36.84	28.0 J
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

INORGANIC ANALYSIS DATA SHEET
FORM I

Lab Name : NANCO LABORATORIES, INC.

Customer : N.J. DEP

Lab Sample ID: J6-0068-004

Lab. Receipt Date: 8/19/86

DEP Sample ID : PW-012

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	NR	13. MAGNESIUM	NR
2. ANTIMONY	50.0 U	14. MANGANESE	180.0
3. ARSENIC	10.0 U	15. MERCURY	0.2 U
4. BARIUM	NR	16. NICKEL	30.0 U
5. BERYLLIUM	2.0 U N	17. POTASSIUM	NR
6. CADMIUM	5.0 U	18. SELENIUM	5.0 U N
7. CALCIUM	NR	19. SILVER	10.0 U
8. CHROMIUM	10.0 U	20. SODIUM	NR
9. COBALT	NR	21. THALLIUM	5.0 U
10. COPPER	59.0	22. VANADIUM	NR
11. IRON	47600.0	23. ZINC	10.0 U
12. LEAD	25.0 UE	PHENOL	10.0 U
CYANIDE	10.0 U	PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly

LAB MANAGER

001078

SEP 25 1986

SAMPLE DATA

PW-013

DZURZYNSKI

6/84

NJDEP File # 000015

SAMPLE ANALYSIS REQUEST FORM

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP/DHSM/BEMQA	CODE	MAILING ADDRESS 65 PROSPECT ST
SAMPLE LOCATION	Combe South		TRENTON, NJ 08618

SAMPLE COLLECTOR

SAMPLER(S) Name	CHAD VAN SCIVER	Agency	BEMQA	Sampler ID #	HS 171
Name	JERRY KASHATUS	Agency	"	Sampler ID #	HS 223

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	PW013	SAMPLING DATE	8/19/86	ABSCISSA (Longitude)	
SAMPLE POINT ID	DZURZYNSKI	TIME (MIL) SAMPLING BEGAN	1315	ORDINATE (Latitude)	
SAMPLE SOURCE CODE	400	TIME (MIL) SAMPLING FINISHED	1325	ELEVATION	
REFERENCE POINT	1 EAST GATE				

SAMPLING PROCESS

COLLECTION METHOD	Code ~~22~~ GRAB	Other	SAMPLE TYPE	Code 100	Other
TYPE OF SAMPLER	Code 323	Other Bottle	SAMPLE MATRIX	Code 200	Other
DESCRIPTION	well Head				

FIELD MEASUREMENTS

SAMPLE TEMP.	°C	PARAMETER	pH	PARAMETER		PARAMETER	
AIR TEMP.	75°F °C	VALUE	5.9	VALUE		VALUE	
WEATHER	clear						

CHAIN-OF-CUSTODY IMPLEMENTED	☒ YES ☐ NO	PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
PP +40				

ANALYSIS(ES) AUTHORIZED BY	PAUL ZARRILLO	TITLE	HSMS II

ANALYZING LABORATORY

CONTRACT LAB NAME		PERSON ACCEPTING SAMPLE	J. Hettinger	TITLE	Sample Custodian
LAB ID #	JL-0009-0004	LAB CONTROL #		DATE 8/19/86	TIME (MIL) 18:30

ORGANICS ANALYSIS DATA SHEET
(PAGE 1)

001079

SAMPLE NUMBER
PW-013

Laboratory Name:NANCO LABORATORY INC.
Lab Sample ID No:>P3033
Sample Matrix: WATER
Data Release Authorized By: [illegible]

Case No: N. J. DEP
QC Report No: ~~N/A~~ 004
Contract No: N/A
Date Sample Received: 8/19/86

VOLATILE COMPOUNDS

Concentration: (Low) Medium (Circle One)
Date Extracted/Prepared: 8/21/86
Date Analyzed: 8/21/86
Conc/Dil Factor: 1 pH: 6.0
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	15.0 B
67-64-1	Acetone	16.0 B
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.

001030

LABORATORY NAME: NANCO LABS. INC.
CASE NO: NJ DEP

SAMPLE NO.
PW-013

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/22/86
Date Analyzed: 9/05/86
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	0.9 JB
206-44-0	Fluoranthene	10.0 U
129-00-0	Pyrene	10.0 U
85-68-7	Butylbenzylphthalate	1.2 J
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 B
218-01-9	Chrysene	10.0 U
117-84-0	Di-n-Octyl Phthalate	0.8 J
205-99-2	Benzo(b)Fluoranthene	10.0 U
207-08-9	Benzo(k)Fluoranthene	10.0 U
50-32-8	Benzo(a)Pyrene	2.4 J
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 3)

001081

SAMPLE NUMBER

PW 013

LABORATORY NAME: NANCO LABS, INC.
CASE NO: NJ DEP

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/25/86
Date Analyzed: 9/10/86
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

SAMPLE NUMBER
PW-013

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N. J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	110543	HEXANE	VOA	22.49	7.1 J
2	-----	UNKNOWN	VOA	26.89	5.5 J
3					
4	127184	TETRACHLOROETHENE	BNA	6.65	40.0 JB
5	-----	UNKNOWN ESTER	BNA	30.58	27.0 J
6					
7					
8					
9					
10					
11					
12					
13					
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26					

INORGANIC ANALYSIS DATA SHEET
FORM I

000036

Lab Name : NANCO LABORATORIES, INC. Customer : N.J. DEP

Lab Sample ID: J6-0069-004 Lab. Receipt Date: 8/19/86

DEP Sample ID : PW-013

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	NR	13.	MAGNESIUM	NR
2.	ANTIMONY	50.0 U	14.	MANGANESE	180.0
3.	ARSENIC	5.0 U	15.	MERCURY	0.2 U
4.	BARIUM	NR	16.	NICKEL	30.0 U
5.	BERYLLIUM	2.0 U N	17.	POTASSIUM	NR
6.	CADMIUM	5.0 U	18.	SELENIUM	5.0 U N
7.	CALCIUM	NR	19.	SILVER	10.0 U
8.	CHROMIUM	35.0	20.	SODIUM	NR
9.	COBALT	NR	21.	THALLIUM	5.0 U
10.	COPPER	189.0	22.	VANADIUM	NR
11.	IRON	47600.0	23.	ZINC	[16.0]
12.	LEAD	25.0 UE		PHENOL	10.0 U
	CYANIDE	10.0 U		PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly
LAB MANAGER

001166

SEP 25 1986

SAMPLE DATA

PW-014

CONSTANTINO

108 Old Farmer's Rd.

6/84

SAMPLE ANALYSIS REQUEST FORM

NJDEP File # 000016

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP/DHSM/BEMQA	CODE	MAILING ADDRESS 65 Prospect St
SAMPLE LOCATION	Cumbe South		TRENTON NJ 08618

SAMPLE COLLECTOR

SAMPLER(S) Name	CHAD VAN SCIVER	Agency	BEMQA	Sampler ID #	HS 171
Name	JERRY KASHATUS	Agency	"	Sampler ID #	HS 223

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	PW014	SAMPLING DATE	8/19/86	ABSCISSA (Longitude)	
SAMPLE POINT ID	COSTANTINO	TIME (MIL) SAMPLING BEGAN	1440	ORDINATE (Latitude)	
SAMPLE SOURCE CODE	400	TIME (MIL) SAMPLING FINISHED	1450	ELEVATION	
REFERENCE POINT	108 OLD FARMERS ROAD				

SAMPLING PROCESS

COLLECTION METHOD	Code GRAB	Other	SAMPLE TYPE	Code 100	Other
TYPE OF SAMPLER	Code 323	Other BOTTLE	SAMPLE MATRIX	Code 200	Other
DESCRIPTION	Kitchen Sink				

FIELD MEASUREMENTS

SAMPLE TEMP.	°C	PARAMETER	pH	PARAMETER		PARAMETER	
AIR TEMP.	75°F °C	VALUE	6.7	VALUE		VALUE	
WEATHER	CLEAR						

CHAIN-OF-CUSTODY IMPLEMENTED	☒ YES ☐ NO	PRESERVATION CODE(S)	

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
PP+40				

ANALYSIS(ES) AUTHORIZED BY	PAUL ZARRILLO	TITLE	HSMS II

ANALYZING LABORATORY

CONTRACT LAB NAME		PERSON ACCEPTING SAMPLE	J. Kettenacker	TITLE	Army Custodian
LAB ID #	Jc-0070-004	LAB CONTROL #		DATE 8/19/86	TIME (MIL) 18:30

ORGANICS ANALYSIS DATA SHEET
(PAGE 1)

001167

SAMPLE NUMBER
PW-014

Laboratory Name: NANCO LABORATORY INC.
Lab Sample ID No: >P3034
Sample Matrix: WATER
Data Release Authorized By: [signature]

Case No: N. J. DEP
QC Report No: ~~N/A~~ 004
Contract No: N/A
Date Sample Received: 8/19/86

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/21/86
Date Analyzed: 8/21/86
Conc/Dil Factor: 1 pH: 6.4
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	28.0 B	124-48-1	Dibromochloromethane	5.0 U
67-64-1	Acetone	21.0 B	79-00-5	1,1,2-Trichloroethane	5.0 U
75-15-0	Carbon Disulfide	5.0 U	71-43-2	Benzene	1.7 J
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.

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.

001168

LABORATORY NAME: NANCO LABS. INC.
CASE NO: NJ DEP

SAMPLE NO.
PW-014

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/22/86
Date Analyzed: 9/05/86
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 X	4.1 JB
206-44-0	Fluoranthene	10.0 U
129-00-0	Pyrene	10.0 U
85-68-7	Butylbenzylphthalate	1.6 J
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 X	32.0 B
218-01-9	Chrysene	10.0 U
117-84-0	Di-n-Octyl Phthalate	5.5 J
205-99-2	Benzo(b)Fluoranthene	10.0 U
207-08-9	Benzo(k)Fluoranthene	10.0 U
50-32-8	Benzo(a)Pyrene	5.9 J
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

ORGANICS ANALYSIS DATA SHEET

(PAGE 3)

001169

SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.

CASE NO: NJ DEP

PW 014

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 8/25/86

Date Analyzed: 9/10/86

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

SAMPLE NUMBER
PW-014

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N. J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	110543	HEXANE	VOA	22.56	12.7 J
2	-----	UNKNOWN	VOA	26.19	8.3 J
3	-----	UNKNOWN	VOA	26.96	6.8 J
4	-----	UNKNOWN	VOA	32.36	5.2 J
5	1071814	HEXANE,2,2,5,5-TETRAMETHYL	VOA	37.07	11.4 J
6					
7	127184	TETRACHLOROETHENE	BNA	6.65	46.0 JB
8	-----	UNKNOWN ESTER	BNA	30.57	33.0 J
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

INORGANIC ANALYSIS DATA SHEET
FORM I

000037

Lab Name : NANCO LABORATORIES, INC. Customer : N.J. DEP

Lab Sample ID: J6-0070-004 Lab. Receipt Date: 8/19/86

DEP Sample ID : PW-014

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	NR	13. MAGNESIUM	NR
2. ANTIMONY	50.0 U	14. MANGANESE	180.0
3. ARSENIC	5.0 U	15. MERCURY	0.2 U
4. BARIUM	NR	16. NICKEL	30.0 U
5. BERYLLIUM	2.0 U N	17. POTASSIUM	NR
6. CADMIUM	5.0 U	18. SELENIUM	5.0 U N
7. CALCIUM	NR	19. SILVER	10.0 U
8. CHROMIUM	10.0 U	20. SODIUM	NR
9. COBALT	NR	21. THALLIUM	5.0 U
10. COPPER	63.0	22. VANADIUM	NR
11. IRON	47600.0	23. ZINC	27.0
12. LEAD	25.0 U	PHENOL	10.0 U
CYANIDE	10.0 U	PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly
LAB MANAGER

OCT 03 1986

SAMPLE DATA

AW-014A

CONSTANTINO

[SEPTIC TANK]

0784

SAMPLE ANALYSIS REQUEST FORM

NJDEP File # 000006

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP/BEMQA	CODE	MAILING ADDRESS 65 Prospect St. Trenton, NJ 08618
SAMPLE LOCATION	Cape South		

SAMPLE COLLECTOR

SAMPLER(S) Name	M. Dennis	Agency	BEMQA	Sampler ID #	HS 114
Name	R. Britton	Agency	"	Sampler ID #	HS163

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	PW-014A	SAMPLING DATE	8/20/86	ABSCISSA (Longitude)	
SAMPLE POINT ID	PW-014A (Septic)	TIME (MIL) SAMPLING BEGAN	1335	ORDINATE (Latitude)	
SAMPLE SOURCE CODE	Septic System 417	TIME (MIL) SAMPLING FINISHED	1345	ELEVATION	
REFERENCE POINT	Costantino - 108 Furnees Rd				

SAMPLING PROCESS

COLLECTION METHOD	Code Grab	Other	SAMPLE TYPE	Code 103	Other
TYPE OF SAMPLER	~~Code~~ 314	Other	SAMPLE MATRIX	Code 200	Other
DESCRIPTION					

FIELD MEASUREMENTS

SAMPLE TEMP. °C	PARAMETER pH = 6.8	PARAMETER	PARAMETER
AIR TEMP. °C	VALUE	VALUE	VALUE
WEATHER			

CHAIN-OF-CUSTODY IMPLEMENTED ☐ YES ☐ NO

PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
pH + 40	7			

ANALYSIS(ES) AUTHORIZED BY Paul Zarrillo TITLE HSMS II

ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE J. Kettenger	TITLE Sample Custodian	
LAB ID # 36-0082-005	LAB CONTROL #	DATE 8/20/86	TIME (MIL) 18:15

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE NUMBER
PW-014A

Laboratory Name:NANCO LABORATORY INC.
Lab Sample ID No:>P3057
Sample Matrix: WATER
Data Release Authorized By: George Odell

Case No: N. J. DEP
QC Report No: 005
Contract No: N/A
Date Sample Received: 8/20/86 wg

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/22/86
Date Analyzed: 8/22/86
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	5.7 B
67-64-1	Acetone	15.2 B
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	T[illegible]roethene	5.0 U
124-48-1	D[illegible]hloromethane	5.0 U
79-00-5	1,[illegible]richloroethane	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	18.0
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.

000434

LABORATORY NAME: NANCO LABS. INC.
CASE NO: N.J. DEP

SAMPLE NO.
PW-014A

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: ~~8/26/86~~ 8/25/86 wq
Date Analyzed: 9/07/86
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	46.0
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	9.1 J
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	206.0
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	19.0 J
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	19.0
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	51.0
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 X	137 ~~23.0~~ B
218-01-9	Chrysene	10.0 U
117-84-0	Di-n-Octyl Phthalate	3.8 J
205-99-2	Benzo(b)Fluoranthene	0.5 J
207-08-9	Benzo(k)Fluoranthene	10.0 U
50-32-8	Benzo(a)Pyrene	1.5 J
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

SAMPLE NUMBER
PW-014 A
PW 0148

LABORATORY NAME: NANCO LABS, INC.
CASE NO: NJ DEP

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/25/86
Date Analyzed: 9/12/86
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	0.22
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	0.58
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

SAMPLE NUMBER
PW-014A

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N.J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	110543	HEXANE	VOA	22.51	7.7 J
2	-----	UNKNOWN ALKANE	VOA	37.18	0.1 J
3	-----	UNKNOWN ALKANE	VOA	40.65	75.1 J
4					
5	107926	BUTANOIC ACID	BNA	7.71	83.0 J
6	-----	UNKNOWN	BNA	9.52	99.0 J
7	109524	PENTANOIC ACID	BNA	10.23	140.0 J
8	103822	BENZENE ACETIC ACID	BNA	17.40	130.0 J
9	-----	UNKNOWN	BNA	17.89	84.0 J
10	-----	UNKNOWN	BNA	21.00	160.0 J
11	143077	DODECANOIC ACID	BNA	22.56	100.0 J
12	36653824	1-HEXADECANOL	BNA	24.13	100.0 J
13	544638	TETRADECANOIC ACID	BNA	25.45	280.0 J
14	-----	UNKNOWN	BNA	26.74	92.0 J
15	-----	UNKNOWN	BNA	27.73	220.0 J
16	57103	HEXADECANOIC ACID	BNA	27.88	350.0 J
17	-----	UNKNOWN CARBOXYLIC ACID	BNA	28.10	920.0 J
18	112801	9-OCTADECANOIC ACID	BNA	30.20	2500.0 J
19	57114	OCTADECANOIC ACID	BNA	30.45	1300.0 J
20	80477	DIHYDROCHOLESTEROL	BNA	39.66	920.0 J
21	57885	CHOLEST-5-EN-3-OL (3.BETA)	BNA	40.07	1200.0 J
22	-----	UNKNOWN	BNA	41.77	160.0 J
23	-----	UNKNOWN	BNA	42.10	140.0 J
24	-----	UNKNOWN	BNA	42.28	280.0 J
25					
26					

INORGANIC ANALYSIS DATA SHEET
FORM I

Lab Name : NANCO LABORATORIES, INC.

Customer : N.J. DEP

Lab Sample ID: J6-0082-005

Lab. Receipt Date: 8/19/86

20 of

DEP Sample ID : PW-014A

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	NR	13.	MAGNESIUM	NR
2.	ANTIMONY	50.0 U	14.	MANGANESE	~~180.0~~ JC
3.	ARSENIC	5.0 U	15.	MERCURY	0.2 U
4.	BARIUM	NR	16.	NICKEL	[39.0]
5.	BERYLLIUM	2.0 U	17.	POTASSIUM	NR
6.	CADMIUM	5.0 U	18.	SELENIUM	5.0 U N
7.	CALCIUM	NR	19.	SILVER	61.0
8.	CHROMIUM	10.0 U	20.	SODIUM	NR
9.	COBALT	NR	21.	THALLIUM	5.0 U N
10.	COPPER	996.0 X	22.	VANADIUM	NR
11.	IRON	~~67600.0~~ JC	23.	ZINC	549.0
12.	LEAD	25.0 U N		PHENOL	10.0 U
	CYANIDE	10.0 U		PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly

LAB MANAGER

001017

SEP 25 1986

SAMPLE DATA

PW-015

TOTO

6/84

SAMPLE ANALYSIS REQUEST FORM

NJDEP File # 000017

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP/BEMQA	CODE	MAILING ADDRESS 65 PROSPECT ST. TRENTON, N.J. 08618
SAMPLE LOCATION			

SAMPLE COLLECTOR

SAMPLER(S) Name	MIKE DENNIS	Agency	BEMQA	Sampler ID #	HS171
Name	CHAD VAN SCIVER	Agency	BEMQA	Sampler ID #	HS 114

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	PW015	SAMPLING DATE	8/20/86	ABSCISSA (Longitude)	N/A
SAMPLE POINT ID	TOTO RESIDENCE	TIME (MIL) SAMPLING BEGAN	0915	ORDINATE (Latitude)	
SAMPLE SOURCE CODE	400	TIME (MIL) SAMPLING FINISHED	0920	ELEVATION	
REFERENCE POINT	VO'S FROM HOLDING TANK FACUET, THE REST OF PP FROM BASEMENT WASH SINK				

SAMPLING PROCESS

COLLECTION METHOD	Code	Other	GRAB	SAMPLE TYPE	Code	100	Other
TYPE OF SAMPLER	Code 323	Other	SAMPLE BOTTLE	SAMPLE MATRIX	Code	200	Other
DESCRIPTION	114 OLD FARMERS RD						

FIELD MEASUREMENTS

SAMPLE TEMP. °C	PARAMETER	pH	PARAMETER	PARAMETER
AIR TEMP. °C	VALUE	6.6	VALUE	VALUE
WEATHER				

CHAIN-OF-CUSTODY IMPLEMENTED ☒ YES ☐ NO

PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
P.P. +40	TOTAL of 7			

ANALYSIS(ES) AUTHORIZED BY PAUL ZARRILLO

TITLE HSMS II

ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE J. Hellinger	TITLE Sample Custodian	
LAB ID # 56-0075-004	LAB CONTROL #	DATE 8/20/86	TIME (MIL) 18:15

ORGANICS ANALYSIS DATA SHEET
(PAGE 1)

001018

SAMPLE NUMBER
PW-015

Laboratory Name:NANCO LABORATORY INC.
Lab Sample ID No:>P3048
Sample Matrix: WATER
Data Release Authorized By: George Odell

Case No: N. J. DEP
QC Report No: N/A
Contract No: N/A
Date Sample Received:

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/22/86
Date Analyzed: 8/22/86
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	6.3
67-64-1	Acetone	9.0 JB
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 identificati has been confirmed by GC/MS Single component pesticides greater than or equal to 10 ng/ul in the final extract should be confirm 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.

ORGANIC ANALYSIS DATA SHEET

(PAGE 2)

001010

LABORATORY NAME: NANCO LABS. INC.

CASE NO: NJ DEP

SAMPLE NO.

PW-015

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 8/26/86

Date Analyzed: 9/05/86

Conc/Dil Factor:----------> 1

Percent Moisture: N/A

GPC Cleanup: Yes____ No Y

Separatory Funnel Extraction: Yes____

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 X	11.0 B
206-44-0	Fluoranthene	10.0 U
129-00-0	Pyrene	10.0 U
85-68-7	Butylbenzylphthalate X	1.3 JB
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 X	220.0 B
218-01-9	Chrysene	10.0 U
117-84-0	Di-n-Octyl Phthalate	12.0
205-99-2	Benzo(b)Fluoranthene	10.0 U
207-08-9	Benzo(k)Fluoranthene	10.0 U
50-32-8	Benzo(a)Pyrene X	0.9 JB
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

ORGANICS ANALYSIS DATA SHEET 001020

(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: WANCO LABS, INC.

CASE NO: NJ DEP

PW 015

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 8/25/86

Date Analyzed: 9/11/86

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

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

SAMPLE NUMBER
PW-015

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N.J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	110543	HEXANE	VOA	22.57	7.8 J
2	-----	UNKNOWN ALKANE	VOA	40.79	54.2 J
3					
4	-----	UNKNOWN ESTER	BNA	30.63	29.0 J
5	-----	UNKNOWN ESTER	BNA	34.30	34.0 J
6	-----	UNKNOWN ESTER	BNA	34.43	32.0 J
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

INORGANIC ANALYSIS DATA SHEET
FORM I

Lab Name : NANCO LABORATORIES, INC. Customer : N.J. DEP

Lab Sample ID: J6-0075-004 Lab. Receipt Date: 8/20/86

DEP Sample ID : PW-015

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	NR	13.	MAGNESIUM	NR
2.	ANTIMONY	50.0 U	14.	MANGANESE	NR
3.	ARSENIC	5.0 U	15.	MERCURY	0.2 U
4.	BARIUM	NR	16.	NICKEL	30.0 U
5.	BERYLLIUM	2.0 U N	17.	POTASSIUM	NR
6.	CADMIUM	5.0 U	18.	SELENIUM	5.0 U N
7.	CALCIUM	NR	19.	SILVER	10.0 U
8.	CHROMIUM	10.0 U	20.	SODIUM	NR
9.	COBALT	NR	21.	THALLIUM	10.0 U
10.	COPPER	158.0	22.	VANADIUM	NR
11.	IRON	NR	23.	ZINC	[13.0]
12.	LEAD	25.0 U		PHENOL	10.0 U
	CYANIDE	10.0 U		PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly
LAB MANAGER

SAMPLE DATA

PW-016

McINTYRE

6/84

SAMPLE ANALYSIS REQUEST FORM

NJDEP File # 000003

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP/BEMQA	CODE	MAILING ADDRESS 65 Prospect St. Trenton, NJ 08618
SAMPLE LOCATION	PW-016 (McIntyre) Combe South		

SAMPLE COLLECTOR

SAMPLER(S) Name	R. Britton	Agency	BEMQA	Sampler ID #	HS163
Name	J. Kashatos	Agency	"	Sampler ID #	HS223

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	PW-016	SAMPLING DATE	8/20/86	ABSCISSA (Longitude)	
SAMPLE POINT ID	PW-016	TIME (MIL) SAMPLING BEGAN	0858	ORDINATE (Latitude)	N/A
SAMPLE SOURCE CODE	400	TIME (MIL) SAMPLING FINISHED	0905	ELEVATION	
REFERENCE POINT	McIntyre 159 E. Valley Brook				

SAMPLING PROCESS

COLLECTION METHOD	Code Grab	Other	SAMPLE TYPE	Code 100	Other
TYPE OF SAMPLER	Code 323	Other Bottle	SAMPLE MATRIX	Code 200	Other
DESCRIPTION					

FIELD MEASUREMENTS

SAMPLE TEMP. °C	PARAMETER pH=6.0	PARAMETER	PARAMETER
AIR TEMP. °C	VALUE	VALUE	VALUE
WEATHER			

CHAIN-OF-CUSTODY IMPLEMENTED ☐ YES ☐ NO

PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
PP+40	7			

ANALYSIS(ES) AUTHORIZED BY Paul Zarrillo TITLE HSMSII

ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE J. Hettinger	TITLE Sample Custodian	
LAB ID # J6-0085-005	LAB CONTROL #	DATE 8/20/86	TIME (MIL) 18:15

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE NUMBER

PW-016

Laboratory Name: NANCO LABORATORY INC.

Lab Sample ID No: >P3060

Sample Matrix: WATER

Data Release Authorized By: [signature]

Case No: N. J. DEP

QC Report No: 005

Contract No: N/A

Date Sample Received: 8/20/86 vg

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 8/22/86

Date Analyzed: 8/22/86

Conc/Dil Factor: 1 pH: 5.4

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	18.0 B	124-48-1	Dibromochloromethane	5.0 U
67-64-1	Acetone	18.0 B	79-00-5	1,1,2-Trichloroethane	5.0 U
75-15-0	Carbon Disulfide	5.0 U	71-43-2	Benzene	1.8 J
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.

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.

LABORATORY NAME: NANCO LABS. INC.
CASE NO: N.J. DEP

SAMPLE NO.
PW-016

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: ~~8/26/86~~ 8/25/86 wq
Date Analyzed: 9/07/86
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	1.0 J
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	0.9 J
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	140.0
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	1.1 J
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.
CASE NO: NJ DEP

PW 016

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/25/86
Date Analyzed: 9/11/86
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

SAMPLE NUMBER
PW-016

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N.J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	110543	HEXANE	VOA	22.47	13.6 J
2	-----	UNKNOWN	VOA	26.87	10.6 J
3	-----	UNKNOWN ALKANE	VOA	37.13	32.4 J
4	-----	UNKNOWN ALKANE	VOA	40.76	81.2 J
5					
6	84764	1,2-BENZENEDICARBOXYLIC ACID,	BNA	35.92	57.0 J
7		DINONYL ESTER			
8	-----	UNKNOWN PHTHALATE	BNA	36.81	60.0 J
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

INORGANIC ANALYSIS DATA SHEET
FORM I

000102

Lab Name : NANCO LABORATORIES, INC. Customer : N.J. DEP

Lab Sample ID: J6-0085-005 Lab. Receipt Date: 8/20/86

DEP Sample ID : PW-016

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	NR	13.	MAGNESIUM	NR
2.	ANTIMONY	50.0 U	14.	MANGANESE	~~180.0~~ JC
3.	ARSENIC	10.0 U	15.	MERCURY	0.2 U
4.	BARIUM	NR	16.	NICKEL	30.0 U
5.	BERYLLIUM	2.0 U	17.	POTASSIUM	NR
6.	CADMIUM	5.0 U	18.	SELENIUM	5.0 U N
7.	CALCIUM	NR	19.	SILVER	50.0
8.	CHROMIUM	10.0 U	20.	SODIUM	NR
9.	COBALT	NR	21.	THALLIUM	5.0 U N
10.	COPPER	218.0	22.	VANADIUM	NR
11.	IRON	~~47600.0~~ JC	23.	ZINC	72.0
12.	LEAD	161.0 + N		PHENOL	10.0 U
	CYANIDE	10.0 U		PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly

LAB MANAGER

001714

SEP 25 1986

SAMPLE DATA

PW-017

MURRAY

SAMPLE ANALYSIS REQUEST FORM

File # 000118

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP/DHSM/BEMGA	CODE	MAILING ADDRESS 65 PROSPECT ST
SAMPLE LOCATION	COMBE S		TRENTON NJ 08618

SAMPLE COLLECTOR

SAMPLER(S) Name	M. DENNIS	Agency	NJDEP	Sampler ID #	HS114
Name	C. VAN SCIVER	Agency	"	Sampler ID #	HS171

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	PW017	SAMPLING DATE	8/20/86	ABSCISSA (Longitude)	N/A
SAMPLE POINT ID	MURRAY	TIME (MIL) SAMPLING BEGAN	0950	ORDINATE (Latitude)	
SAMPLE SOURCE CODE	400	TIME (MIL) SAMPLING FINISHED	0955	ELEVATION	
REFERENCE POINT	HOLDING TANK				

SAMPLING PROCESS

COLLECTION METHOD	Code	Other GRAB	SAMPLE TYPE	Code 1100	Other
TYPE OF SAMPLER	Code 323	Other BOTTLE	SAMPLE MATRIX	Code 200	Other
DESCRIPTION					

FIELD MEASUREMENTS

SAMPLE TEMP. °C	PARAMETER pH	PARAMETER	PARAMETER
AIR TEMP. 80°F °C	VALUE 6.7	VALUE	VALUE
WEATHER CLOM			

CHAIN-OF-CUSTODY IMPLEMENTED ☒ YES ☐ NO

PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
PP+4C	7			

ANALYSIS(ES) AUTHORIZED BY PAUL ZARRILLO TITLE HSMS II

ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE J Hettinger	TITLE Sample Custodian	
LAB ID # J6-0176-004	LAB CONTROL #	DATE 8/20/86	TIME (MIL) 18:15

ORGANICS ANALYSIS DATA SHEET 001715
(PAGE 1)

SAMPLE NUMBER
PW-017

Laboratory Name:NANCO LABORATORY INC.
Lab Sample ID No:>P3049
Sample Matrix: WATER
Data Release Authorized By: George O'Neil

Case No: N. J. DEP
QC Report No: N/A
Contract No: N/A
Date Sample Received:

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/22/86
Date Analyzed: 8/22/86
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	9.6
67-64	Acetone	9.6 JB
75-15	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-Methy 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.

001716

LABORATORY NAME: NANCO LABS. INC.
CASE NO: NJ DEP

SAMPLE NO.
PW-017

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/26/86
Date Analyzed: 9/05/86
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	7.5 JB
206-44-0	Fluoranthene	10.0 U
129-00-0	Pyrene	10.0 U
85-68-7	Butylbenzylphthalate	1.9 JB
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	190.0 B
218-01-9	Chrysene	10.0 U
117-84-0	Di-n-Octyl Phthalate	27.0
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 3)

001717

SAMPLE NUMBER

PW 017

LABORATORY NAME: NANCO LABS, INC.
CASE NO: NJ DEP

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/25/86
Date Analyzed: 9/11/86
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

001713

SAMPLE NUMBER
PW-017

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N.J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	110543	HEXANE	VOA	22.54	9.2 J
2	-----	UNKNOWN ALKANE	VOA	37.28	70.1 J
3	-----	UNKNOWN ALKANE	VOA	40.99	107.4 J
4					
5	-----	UNKNOWN ESTER	BNA	36.10	134.0 J
6	-----	UNKNOWN ESTER	BNA	36.26	46.0 J
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
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INORGANIC ANALYSIS DATA SHEET
FORM I

Lab Name : NANCO LABORATORIES, INC. Customer : N.J. DEP

Lab Sample ID: J6-0076-004 Lab. Receipt Date: 8/20/86

DEP Sample ID : PW-017

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	NR	13.	MAGNESIUM	NR
2.	ANTIMONY	50.0 U	14.	MANGANESE	NR
3.	ARSENIC	5.0 U	15.	MERCURY	0.2 U
4.	BARIUM	NR	16.	NICKEL	30.0 U
5.	BERYLLIUM	2.0 U	17.	POTASSIUM	NR
6.	CADMIUM	5.0 U	18.	SELENIUM	5.0 U
7.	CALCIUM	NR	19.	SILVER	10.0 U
8.	CHROMIUM	10.0 U	20.	SODIUM	NR
9.	COBALT	NR	21.	THALLIUM	10.0 U
10.	COPPER	10.0 U	22.	VANADIUM	NR
11.	IRON	NR	23.	ZINC	10.0 U
12.	LEAD	25.0 U		PHENOL	10.0 U
	CYANIDE	10.0 U		PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connally

LAB MANAGER

6/84

SAMPLE ANALYSIS REQUEST FORM

NJDEP File # 000019

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP/DHSM/BEMCOA	CODE	MAILING ADDRESS 65 PROSPECT ST TRENTON NJ 08628
SAMPLE LOCATION	COMBE S		

SAMPLE COLLECTOR

SAMPLER(S) Name	M. DENNIS	Agency	NJDEP	Sampler ID #	HS 114
Name	C. VAN SCIVER	Agency	"	Sampler ID #	HS 171

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	PW 018	SAMPLING DATE	8/20/86	ABSCISSA (Longitude)	N/A
SAMPLE POINT ID	PARKS RES.	TIME (MIL) SAMPLING BEGAN	1042	ORDINATE (Latitude)	
SAMPLE SOURCE CODE	400	TIME (MIL) SAMPLING FINISHED	1052	ELEVATION	
REFERENCE POINT	HOLDING TANK IN BASEMENT				

SAMPLING PROCESS

COLLECTION METHOD	Code	Other GRAB	SAMPLE TYPE	Code 100	Other
TYPE OF SAMPLER	Code 323	Other BOTTLE	SAMPLE MATRIX	Code 200	Other
DESCRIPTION					

FIELD MEASUREMENTS

SAMPLE TEMP. °C	PARAMETER pH	PARAMETER	PARAMETER
AIR TEMP. 80°F ~~°C~~	VALUE 6.7	VALUE	VALUE
WEATHER CLOUDY			

CHAIN-OF-CUSTODY IMPLEMENTED ☒ YES ☐ NO

PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
PP +40	7			

ANALYSIS(ES) AUTHORIZED BY PAUL ZARRILLO TITLE HSMS II

ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE J. Hettinger	TITLE Sample Custodian	
LAB ID # J6-007H-004	LAB CONTROL #	DATE 8/28/86	TIME (MIL) 18:15

001510

SEP 25 1986

SAMPLE DATA

PW-018

PARKS

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE NUMBER
PW-018

Laboratory Name: NANCO LABORATORY INC.
Lab Sample ID No: >P3047
Sample Matrix: WATER
Data Release Authorized By: George Odell

Case No: N. J. DEP
QC Report No: N/A
Contract No: N/A
Date Sample Received:

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/22/86
Date Analyzed: 8/22/86
Conc/Dil Factor: 1 pH: 6.1
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	10.5 B
67-64-1	Acetone	10.7 B
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 identificatic has been confirmed by GC/MS Single component pesticides greater than or equal to 10 ng/ul in the final extract should be confirme 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.

001542

LABORATORY NAME: NANCO LABS. INC.
CASE NO: NJ DEP

SAMPLE NO.
PW-018

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/26/86
Date Analyzed: 9/05/86
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	4.7 JB
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	3.6 JB
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

ORGANICS ANALYSIS DATA SHEET

(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.

CASE NO: NJ DEP

PW 018

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 8/25/86

Date Analyzed: 9/11/86

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

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

SAMPLE NUMBER
PW-018

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N.J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	110543	HEXANE	VOA	22.54	6.7 J
2	-----	UNKNOWN HYDROCARBON	VOA	26.86	14.4 J
3	-----	UNKNOWN ALKANE	VOA	37.21	229.9 J
4	-----	UNKNOWN ALKANE	VOA	40.83	129.3 J
5					
6	-----	NONE FOUND	BNA	-----	-----
7					
8					
9					
10					
11					
12					
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19					
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25					
26					

INORGANIC ANALYSIS DATA SHEET
FORM I

Lab Name : NANCO LABORATORIES, INC. Customer : N.J. DEP

Lab Sample ID: J6-0074-004 Lab. Receipt Date: 8/20/86

DEP Sample ID : PW-018

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	NR	13.	MAGNESIUM	NR
2.	ANTIMONY	50.0 U	14.	MANGANESE	NR
3.	ARSENIC	5.0 U	15.	MERCURY	0.2 U
4.	BARIUM	NR	16.	NICKEL	30.0 U
5.	BERYLLIUM	2.0 U N	17.	POTASSIUM	NR
6.	CADMIUM	5.0 U	18.	SELENIUM	5.0 U N
7.	CALCIUM	NR	19.	SILVER	10.0 U
8.	CHROMIUM	10.0 U	20.	SODIUM	NR
9.	COBALT	NR	21.	THALLIUM	10.0 U
10.	COPPER	61.0	22.	VANADIUM	NR
11.	IRON	NR	23.	ZINC	[14.0]
12.	LEAD	5.0 U		PHENOL	10.0 U
	CYANIDE	10.0 U		PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly

LAB MANAGER

OCT 0 9 1986

SAMPLE DATA

PW-019

LEVICH

NJDEP File # 000010

SAMPLE ANALYSIS REQUEST FORM

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP/BEMQA	CODE	MAILING ADDRESS 65 Prospect St.
SAMPLE LOCATION	Combe South		TRENTON, NJ 08618

SAMPLE COLLECTOR

SAMPLER(S) Name	R. Britton	Agency	BEMQA	Sampler ID #	HS163
Name	J. Kashatus	Agency	"	Sampler ID #	HS223

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	PW-019	SAMPLING DATE	8/20/86	ABSCISSA (Longitude)	
SAMPLE POINT ID	PW-019	TIME (MIL) SAMPLING BEGAN	0939	ORDINATE (Latitude)	N/A
SAMPLE SOURCE CODE	400	TIME (MIL) SAMPLING FINISHED	0949	ELEVATION	
REFERENCE POINT	Levich 8 E. Sluice Gate				

SAMPLING PROCESS

COLLECTION METHOD	Code Grab	Other	SAMPLE TYPE	Code 100	Other
TYPE OF SAMPLER	Code 323	Other Bottle	SAMPLE MATRIX	Code 200	Other
DESCRIPTION					

FIELD MEASUREMENTS

SAMPLE TEMP. °C	PARAMETER pH=	PARAMETER	PARAMETER
AIR TEMP. °C	VALUE 6.7	VALUE	VALUE
WEATHER			

CHAIN-OF-CUSTODY IMPLEMENTED ☐ YES ☐ NO

PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
PP+40	7			

ANALYSIS(ES) AUTHORIZED BY Paul Zarrillo TITLE HSMS II

ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE J. Hettinger	TITLE Sample Custodian	
LAB ID # J6-0086-005	LAB CONTROL #	DATE 8/20/86	TIME (MIL) 18:15

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE NUMBER
PW-019

Laboratory Name:NANCO LABORATORY INC.
Lab Sample ID No:>P3061
Sample Matrix: WATER
Data Release Authorized By:

Case No: N. J. DEP
QC Report No: 005
Contract No: N/A
Date Sample Received: 8/20/86 WG

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/22/86
Date Analyzed: 8/22/86
Conc/Dil Factor: 1 pH: 6.2
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	16.0 B	124-48-1	Dibromochloromethane	5.0 U
67-64-1	Acetone	11.0 B	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.

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.

000371

LABORATORY NAME: NANCO LABS. INC.
CASE NO: N.J. DEP

SAMPLE NO.
PW-019

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/26/86
Date Analyzed: 9/07/86
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	1.9 J
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	1.3 J
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	42.0
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 3)

000372
SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.
CASE NO: NJ DEP

PW 019

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/25/86
Date Analyzed: 9/11/86
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

000373

SAMPLE NUMBER
PW-019

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N.J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	110543	HEXANE	VOA	22.52	17.7 J
2	-----	UNKNOWN ALKANE	VOA	26.92	19.1 J
3	-----	UNKNOWN ALKANE	VOA	37.19	158.4 J
4	-----	UNKNOWN ALKANE	VOA	40.89	98.4 J
5					
6	-----	UNKNOWN BUTYL ESTER ACID	BNA	30.59	68.0 J
7	-----	UNKNOWN PHTHALATE	BNA	36.27	26.0 J
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

INORGANIC ANALYSIS DATA SHEET
FORM I

000103

Lab Name : NANCO LABORATORIES, INC. Customer : N.J. DEP

Lab Sample ID: J6-0086-005 Lab. Receipt Date: 8/20/86

DEP Sample ID : PW-019

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	NR	13. MAGNESIUM	NR
2. ANTIMONY	50.0 U	14. MANGANESE	~~180.0~~ JC
3. ARSENIC	10.0 U	15. MERCURY	0.2 U
4. BARIUM	NR	16. NICKEL	30.0 U
5. BERYLLIUM	2.0 U	17. POTASSIUM	NR
6. CADMIUM	5.0 U	18. SELENIUM	5.0 U N
7. CALCIUM	NR	19. SILVER	79.0
8. CHROMIUM	10.0 U	20. SODIUM	NR
9. COBALT	NR	21. THALLIUM	10.0 U N
10. COPPER	265.0	22. VANADIUM	NR
11. IRON	~~67600.0~~ JC	23. ZINC	25.0
12. LEAD	41.5 + N	PHENOL	10.0 U
CYANIDE	10.0 U	PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly

LAB MANAGER

0/04

SAMPLE ANALYSIS REQUEST FORM

NJDEP File # 000011

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP/DHSM/BEMQA	CODE	MAILING ADDRESS 65 PROSPECT ST
SAMPLE LOCATION	Combe South		TRENTON, NJ 08618

SAMPLE COLLECTOR

SAMPLER(S) Name	Rich BRITTON	Agency	BEMQA	Sampler ID #	HS 163
Name	JERRY KASHATUS	Agency	"	Sampler ID #	HS 223

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	PW020	SAMPLING DATE	8/20/86	ABSCISSA (Longitude)	
SAMPLE POINT ID	SPINOSA	TIME (MIL) SAMPLING BEGAN	1015	ORDINATE (Latitude)	N/A
SAMPLE SOURCE CODE	400	TIME (MIL) SAMPLING FINISHED	1025	ELEVATION	
REFERENCE POINT	1046 A STATE PARK RD				

SAMPLING PROCESS

COLLECTION METHOD	Code GRAB	Other	SAMPLE TYPE	Code 100	Other
TYPE OF SAMPLER	Code 323	Other BOTTLE	SAMPLE MATRIX	Code 200	Other
DESCRIPTION					

FIELD MEASUREMENTS

SAMPLE TEMP. °C	PARAMETER pH	PARAMETER	PARAMETER
AIR TEMP. °C	VALUE 6.9	VALUE	VALUE
WEATHER			

CHAIN-OF-CUSTODY IMPLEMENTED ☒ YES ☐ NO

PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
PP+40				

ANALYSIS(ES) AUTHORIZED BY PAUL ZARRILLO TITLE HSMS II

ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE J. Hettinger	TITLE Sample Custodian	
LAB ID # J6-0087-009	LAB CONTROL #	DATE 8/20/86	TIME (MIL) 18:15

OCT 03 1986 000660

SAMPLE DATA

PW-020

SPINOSA

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE NUMBER
PW-020

Laboratory Name: NANCO LABORATORY INC.
Lab Sample ID No: >P3062
Sample Matrix: WATER
Data Release Authorized By: George Odell

Case No: N. J. DEP
QC Report No: 005
Contract No: N/A
Date Sample Received: 8/20/86 wq

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/22/86
Date Analyzed: 8/22/86
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	13.0 B
67-64-1	Acetone	11.0 B
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	1.5 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.

000662

LABORATORY NAME: NANCO LABS. INC.
CASE NO: N.J. DEP

SAMPLE NO.
PW-020

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: ~~8/26/86~~ 8/25/86 wsq
Date Analyzed: 9/07/86
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	1.6 J
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	1.0 J
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	15.0
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.
CASE NO: NJ DEP

PW 020

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/25/86
Date Analyzed: 9/12/86
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

000064

SAMPLE NUMBER
PW-020

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N.J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	110543	HEXANE	VOA	22.50	21.6 J
2	-----	UNKNOWN ALKANE	VOA	26.90	12.8 J
3	-----	UNKNOWN ALKANE	VOA	40.72	57.8 J
4					
5					
6	-----	NONE FOUND	BNA	-----	-----
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
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21					
22					
23					
24					
25					
26					

INORGANIC ANALYSIS DATA SHEET
FORM I

Lab Name : NANCO LABORATORIES, INC. Customer : N.J. DEP

Lab Sample ID: J6-D087-D05 Lab. Receipt Date: 8/20/86

DEP Sample ID : PW-D20

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	NR	13.	MAGNESIUM	NR
2.	ANTIMONY	50.0 U X	14.	MANGANESE	~~180.0~~ JC
3.	ARSENIC	10.0 U	15.	MERCURY	0.2 U
4.	BARIUM	NR	16.	NICKEL	30.0 U
5.	BERYLLIUM	2.0 U	17.	POTASSIUM	NR
6.	CADMIUM	5.0 U	18.	SELENIUM	5.0 U N
7.	CALCIUM	NR	19.	SILVER	100.0
8.	CHROMIUM	10.0 U	20.	SODIUM	NR
9.	COBALT	NR	21.	THALLIUM	10.0 U N
10.	COPPER	I 20.0 J	22.	VANADIUM	NR
11.	IRON	~~47600.0~~ JC	23.	ZINC	20.0
12.	LEAD	5.0 U N		PHENOL	10.0 U
	CYANIDE	10.0 U		PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly

LAB MANAGER

SAMPLE DATA

PW-021

ABELES

SAMPLE ANALYSIS REQUEST FORM

File # 000001

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP/BEMQA	CODE	MAILING ADDRESS 65 Prospect St. Trenton, NJ. 08618
SAMPLE LOCATION	Cooke South		

SAMPLE COLLECTOR

SAMPLER(S) Name	M. Dennis	Agency	BEMQA	Sampler ID #	HS114
Name	R. Britton	Agency	"	Sampler ID #	HS163

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	PW-021	SAMPLING DATE	8/20/86	ABSCISSA (Longitude)	
SAMPLE POINT ID	PW-021	TIME (MIL) SAMPLING BEGAN	1312	ORDINATE (Latitude)	
SAMPLE SOURCE CODE	400	TIME (MIL) SAMPLING FINISHED	1322	ELEVATION	
REFERENCE POINT	Able - 169 Parkers Rd				

SAMPLING PROCESS

COLLECTION METHOD	Code	Other	SAMPLE TYPE	Code 100	Other
TYPE OF SAMPLER	Code	Other	SAMPLE MATRIX	Code 200	Other
DESCRIPTION					

FIELD MEASUREMENTS

SAMPLE TEMP. °C	PARAMETER pH = 6.5	PARAMETER	PARAMETER
AIR TEMP. °C	VALUE	VALUE	VALUE
WEATHER			

CHAIN-OF-CUSTODY IMPLEMENTED ☐ YES ☐ NO

PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
PP-40	7			

ANALYSIS(ES) AUTHORIZED BY Paul Zarrillo TITLE HSMS II

ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE J. Hettinger	TITLE Sample Custodian	
LAB ID # J6-0080-003	LAB CONTROL #	DATE 8/22/86	TIME (MIL) 1815

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

000276

SAMPLE NUMBER
PW-021

Laboratory Name:NANCO LABORATORY INC.
Lab Sample ID No:>P3055
Sample Matrix: WATER
Data Release Authorized By: George Odell

Case No: N. J. DEP
QC Report No: 005
Contract No: N/A
Date Sample Received: 8/20/86 wg

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/22/86
Date Analyzed: 8/22/86
Conc/Dil Factor: 1 pH: 6.1
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	11.7 B
67-64-1	Acetone	8.7 JB
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.

000277

LABORATORY NAME: NANCO LABS. INC.
CASE NO: N.J. DEP

SAMPLE NO.
PW-021

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: ~~8/26/86~~ 8/25/86 pr
Date Analyzed: 9/06/86
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	4.7 J
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

000273

ORGANICS ANALYSIS DATA SHEET

(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.

CASE NO: NJ DEP

PW 021

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 8/25/86

Date Analyzed: 9/11/86

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

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

SAMPLE NUMBER
PW-021

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N.J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	110543	HEXANE	VOA	22.53	9.6 J
2	-----	UNKNOWN ALKANE	VOA	37.05	139.2 J
3	-----	UNKNOWN ALKANE	VOA	40.37	62.3 J
4					
5					
6					
7	-----	NONE FOUND	BNA	-----	---------
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

INORGANIC ANALYSIS DATA SHEET
FORM I

Lab Name : NANCO LABORATORIES, INC.

Customer : N.J. DEP

Lab Sample ID: J6-0080-005

Lab. Receipt Date: 8/~~19~~20/86

DEP Sample ID : PW-021

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	NR	13. MAGNESIUM	NR
2. ANTIMONY	50.0 U	14. MANGANESE	~~180.0~~ JC
3. ARSENIC	10.0 U	15. MERCURY	0.2 U
4. BARIUM	NR	16. NICKEL	30.0 U
5. BERYLLIUM	2.0 U	17. POTASSIUM	NR
6. CADMIUM	5.0 U	18. SELENIUM	5.0 U N
7. CALCIUM	NR	19. SILVER	10.0 U
8. CHROMIUM	10.0 U	20. SODIUM	NR
9. COBALT	NR	21. THALLIUM	5.0 U N
10. COPPER	81.0	22. VANADIUM	NR
11. IRON	~~67600.0~~ JC	23. ZINC	27.0
12. LEAD	25.0 U N	PHENOL	10.0 U
CYANIDE	10.0 U	PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly
LAB MANAGER

6/84

SAMPLE ANALYSIS REQUEST FORM

File # 000003

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP/DHSM/BMGA	CODE	MAILING ADDRESS 65 PROSPECT ST
SAMPLE LOCATION	ECOMBE S		TRENTON NJ 08618

SAMPLE COLLECTOR

SAMPLER(S) Name	C VAN SCIVER	Agency	NJDEP	Sampler ID #	HS 171
Name	D. DOYLE	Agency	"	Sampler ID #	HS 222

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	PW022	SAMPLING DATE	8/20/86	ABSCISSA (Longitude)	N/A
SAMPLE POINT ID	SCHLEIFMANN	TIME (MIL) SAMPLING BEGAN	1212	ORDINATE (Latitude)	
SAMPLE SOURCE CODE	400	TIME (MIL) SAMPLING FINISHED	1220	ELEVATION	
REFERENCE POINT	BASEMENT SINK				

SAMPLING PROCESS

COLLECTION METHOD	Code	Other GRAB	SAMPLE TYPE	Code 100	Other
TYPE OF SAMPLER	Code 323	Other JAR	SAMPLE MATRIX	Code 200	Other
DESCRIPTION	STAT PARK ROAD				

FIELD MEASUREMENTS

SAMPLE TEMP. °C	PARAMETER pH 6.5	PARAMETER	PARAMETER
AIR TEMP. °C	VALUE	VALUE	VALUE
WEATHER CLOUDY			

CHAIN-OF-CUSTODY IMPLEMENTED ☒ YES ☐ NO

PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
PP + 40	7			

ANALYSIS(ES) AUTHORIZED BY PAUL ZARRILLO

TITLE HSMS II

ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE J Hettinger	TITLE Sample Custodian	
LAB ID # 56-0079- 003	LAB CONTROL #	DATE 8/26/86	TIME (MIL) 1815

SAMPLE DATA

PW-022

SCHLEIFMANN

ORGANICS ANALYSIS DATA SHEET
(PAGE 1)

SAMPLE NUMBER
PW-022

Laboratory Name:NANCO LABORATORY INC.
Lab Sample ID No:>P3054
Sample Matrix: WATER
Data Release Authorized By: George O'Neill

Case No: N. J. DEP
QC Report No: 005
Contract No: N/A
Date Sample Received: 8/20/86

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/22/86
Date Analyzed: 8/22/86
Conc/Dil Factor: 1 pH: 6.3
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	9.2 B
67-64-1	Acetone	7.2 JB
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.

ORGANIC ANALYSIS DATA SHEET
(PAGE 2)

LABORATORY NAME: NANCO LABS. INC.
CASE NO: NJ DEP

SAMPLE NO.
PW-022

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: ~~8/26/86~~ 8/25/86 plg
Date Analyzed: 9/05/86
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	1.3 J
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	0.8 JB
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	28.0 B
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 3)

000191
SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.
CASE NO: NJ DEP

PW 022

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/25/86
Date Analyzed: 9/11/86
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

SAMPLE NUMBER
PW-022

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N.J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	110543	HEXANE	VOA	22.47	9.2 J
2	-----	UNKNOWN ALKANE	VOA	37.06	26.2 J
3	-----	UNKNOWN ALKANE	VOA	40.76	53.4 J
4					
5					
6					
7					
8	-----	NONE FOUND	BNA	-----	-----
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

000105

SAMPLE DATA

PW-023

MURPHY

INORGANIC ANALYSIS DATA SHEET
FORM I

Lab Name : NANCO LABORATORIES, INC.

Customer : N.J. DEP

Lab Sample ID: J6-0079-005

Lab. Receipt Date: 8/~~19~~/86 20 BF

DEP Sample ID : PW-022

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	NR	13.	MAGNESIUM	NR
2.	ANTIMONY	50.0 U	14.	MANGANESE	~~180.0~~ JC
3.	ARSENIC	5.0 U	15.	MERCURY	0.2 U
4.	BARIUM	NR	16.	NICKEL	30.0 U
5.	BERYLLIUM	2.0 U	17.	POTASSIUM	NR
6.	CADMIUM	5.0 U	18.	SELENIUM	5.0 U N
7.	CALCIUM	NR	19.	SILVER	82.0
8.	CHROMIUM	10.0 U	20.	SODIUM	NR
9.	COBALT	NR	21.	THALLIUM	5.0 U N
10.	COPPER	10.0 U	22.	VANADIUM	NR
11.	IRON	~~47600.0~~ JC	23.	ZINC	50.0
12.	LEAD	25.0 U N		PHENOL	10.0 U
	CYANIDE	10.0 U		PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly

LAB MANAGER

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE NUMBER
PW-023

Laboratory Name:NANCO LABORATORY INC.
Lab Sample ID No:>P3053
Sample Matrix: WATER
Data Release Authorized By: [illegible]

Case No: N. J. DEP
QC Report No: 005
Contract No: N/A
Date Sample Received: 8/20/86 WG

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/22/86
Date Analyzed: 8/22/86
Conc/Dil Factor: 1 pH: 7.7
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	~~9.9 B~~
67-64-1	Acetone	6.4 JB
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	[illegible]hloroethene	5.0 U
124-48-1	[illegible]romochloromethane	5.0 U
79-00-5	[illegible],1,2-Trichloroethane	5.0 U
71-43-2	Benzene	1.1 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.

0/84

SAMPLE ANALYSIS REQUEST FORM

NJDEP File # 000002

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP/DHSM/BEMQA	CODE	MAILING ADDRESS 65 PROSPECT ST. TRENTON, NJ 08618
SAMPLE LOCATION	COMBE SMITH		

SAMPLE COLLECTOR

SAMPLER(S) Name	C. VAN SCIVER	Agency NJDEP	Sampler ID # HS 171
Name	D. DOYLE	Agency NJDEP	Sampler ID # HS 222

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	PW023	SAMPLING DATE	8/20/86	ABSCISSA (Longitude)	N/A
SAMPLE POINT ID	MURAHY	TIME (MIL) SAMPLING BEGAN	1355	ORDINATE (Latitude)	
SAMPLE SOURCE CODE	400	TIME (MIL) SAMPLING FINISHED	1405	ELEVATION	
REFERENCE POINT	WELL HEAD				

SAMPLING PROCESS

COLLECTION METHOD	Code	Other GRAB	SAMPLE TYPE	Code 100	Other
TYPE OF SAMPLER	Code 323	Other JAR	SAMPLE MATRIX	Code 200	Other
DESCRIPTION	[redacted] 1039-B STATE PARK RD				

FIELD MEASUREMENTS

SAMPLE TEMP.	°C	PARAMETER	pH	PARAMETER	PARAMETER
AIR TEMP.	°C	VALUE	7.7	VALUE	VALUE
WEATHER	CLOUDY				

CHAIN-OF-CUSTODY IMPLEMENTED ☐ YES ☐ NO

PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
PP+40	7			

ANALYSIS(ES) AUTHORIZED BY PAUL ZARELLO

TITLE HSMS II

ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE J. Hettinger	TITLE Sample Custodian	
LAB ID # 36-0078-005	LAB CONTROL #	DATE 8/20/86	TIME (MIL) 18:15

ORGANIC ANALYSIS DATA SHEET
(PAGE 2)

LABORATORY NAME: NANCO LABS. INC.
CASE NO: NJ DEP

SAMPLE NO.
PW-023

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: ~~8/26/86~~ 8/25/86 plg
Date Analyzed: 9/05/86
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	4.5 J
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	1.0 JB
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	8.2 JB
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.
CASE NO: NJ DEP

PW 023

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/25/86
Date Analyzed: 9/11/86
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

SAMPLE NUMBER 000100
PW-023

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N.J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	110543	HEXANE	VOA	22.54	8.7 J
2					
3					
4					
5					
6					
7	---	NONE FOUND	BNA	-----	----------
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

INORGANIC ANALYSIS DATA SHEET
FORM I

Lab Name : NANCO LABORATORIES, INC.

Customer : N.J. DEP

Lab Sample ID: J6-0078-005

Lab. Receipt Date: 8/~~19~~20/86

DEP Sample ID : PW-023

DF

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	NR	13.	MAGNESIUM	NR
2.	ANTIMONY	50.0 U X	14.	MANGANESE	~~180.0~~ JC
3.	ARSENIC	5.0 U	15.	MERCURY	0.2 U
4.	BARIUM	NR	16.	NICKEL	30.0 U
5.	BERYLLIUM	2.0 U	17.	POTASSIUM	NR
6.	CADMIUM	5.0 U	18.	SELENIUM	5.0 U N
7.	CALCIUM	NR	19.	SILVER	10.0 U
8.	CHROMIUM	10.0 U	20.	SODIUM	NR
9.	COBALT	NR	21.	THALLIUM	5.0 U N
10.	COPPER	10.0 U	22.	VANADIUM	NR
11.	IRON	~~67600.0~~ JC	23.	ZINC	59.0
12.	LEAD	25.0 U N		PHENOL	10.0 U
	CYANIDE	10.0 U		PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly

LAB MANAGER

001808

SEP 25 1986

SAMPLE DATA

PW-024

NALING

6/84

SAMPLE ANALYSIS REQUEST FORM

NJDEP File # 000020

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP/DHSM/BEMQA	CODE	MAILING ADDRESS 6.5 PROSPECT ST.
SAMPLE LOCATION			TRENTON NJ 08618

SAMPLE COLLECTOR

SAMPLER(S) Name	C. VAN SCIVER	Agency	NJDEP	Sampler ID #	HS 171
Name	D. DOYLE	Agency	" "	Sampler ID #	HS 222

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	PW024	SAMPLING DATE	8/20/86	ABSCISSA (Longitude)	N/A
SAMPLE POINT ID	NALING	TIME (MIL) SAMPLING BEGAN	1300	ORDINATE (Latitude)	
SAMPLE SOURCE CODE	400	TIME (MIL) SAMPLING FINISHED	1310	ELEVATION	
REFERENCE POINT	WELL HEAD				

SAMPLING PROCESS

COLLECTION METHOD	Code	Other GRAB	SAMPLE TYPE	Code 100	Other
TYPE OF SAMPLER	Code 323	Other SAC	SAMPLE MATRIX	Code 200	Other
DESCRIPTION	4 EAST STATE RD				

FIELD MEASUREMENTS

SAMPLE TEMP. °C	PARAMETER pH 6.5	PARAMETER	PARAMETER
AIR TEMP. °C	VALUE	VALUE	VALUE
WEATHER CLOUDY			

CHAIN-OF-CUSTODY IMPLEMENTED ☐ YES ☐ NO

PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
PP+40	7			

ANALYSIS(ES) AUTHORIZED BY PAUL ZARRILLO

TITLE HSMS II

ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE J Kettenger	TITLE Sample Custodian	
LAB ID # J60077-004	LAB CONTROL #	DATE 8/22/86	TIME (MIL) 1815

ORGANICS ANALYSIS DATA SHEET
(PAGE 1)

SAMPLE NUMBER
PW-024

Laboratory Name:NANCO LABORATORY INC.
Lab Sample ID No:>P3050
Sample Matrix: WATER
Data Release Authorized By: George Odell

Case No: N. J. DEP
QC Report No: ~~N/A~~ 004 sy
Contract No: N/A
Date Sample Received:

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/22/86
Date Analyzed: 8/22/86
Conc/Dil Factor: 1 pH: 5.6
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	4.8 J
67-64-1	Acetone	7.5 JB
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
1-43-2	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.

ORGANIC ANALYSIS DATA SHEET
(PAGE 2)

001810

LABORATORY NAME: NANCO LABS. INC.
CASE NO: NJ DEP

SAMPLE NO.
PW-024

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/26/86
Date Analyzed: 9/05/86
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-Dichlo benzene	10.0 U
106-46-7	1,4-Dichlor benzene	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	6.3 JB
206-44-0	Fluoranthene	10.0 U
129-00-0	Pyrene	10.0 U
85-68-7	Butylbenzylphthalate	1.4 JB
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	29.0 B
218-01-9	Chrysene	10.0 U
117-84-0	Di-n-Octyl Phthalate	5.0 J
205-99-2	Benzo(b)Fluoranthene	10.0 U
207-08-9	Benzo(k)Fluoranthene	10.0 U
50-32-8	Benzo(a)Pyrene	2.2 JB
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 3)

001811 SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.
CASE NO: NJ DEP

PW 024

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/25/86
Date Analyzed: 9/11/86
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N.J. DEP

SAMPLE NUMBER
PW-024

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	-----	UNKNOWN	VOA	22.50	5.8 J
2	-----	UNKNOWN ALKANE	VOA	37.39	59.5 J
3	-----	UNKNOWN ALKANE	VOA	40.87	51.4 J
4					
5	-----	UNKNOWN ESTER	BNA	30.61	67.0 J
6	-----	UNKNOWN ESTER	BNA	32.88	39.0 J
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

INORGANIC ANALYSIS DATA SHEET
FORM I

Lab Name : NANCO LABORATORIES, INC. Customer : N.J. DEP

Lab Sample ID: J6-0077-004 Lab. Receipt Date: 8/20/86

DEP Sample ID : PW-024

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	NR	13.	MAGNESIUM	NR
2.	ANTIMONY	50.0 U	14.	MANGANESE	NR
3.	ARSENIC	5.0 U	15.	MERCURY	0.2 U
4.	BARIUM	NR	16.	NICKEL	30.0 U
5.	BERYLLIUM	2.0 U N	17.	POTASSIUM	NR
6.	CADMIUM	5.0 U	18.	SELENIUM	5.0 U N
7.	CALCIUM	NR	19.	SILVER	10.0 U
8.	CHROMIUM	10.0 U	20.	SODIUM	NR
9.	COBALT	NR	21.	THALLIUM	5.0 U
10.	COPPER	57.0	22.	VANADIUM	NR
11.	IRON	NR	23.	ZINC	10.0 U
12.	LEAD	25.0 U		PHENOL	10.0 U
	CYANIDE	10.0 U		PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly

LAB MANAGER

OCT 0 3 1986 000350

SAMPLE DATA

PW-025

JOHNSON

6/84

SAMPLE ANALYSIS REQUEST FORM

NJDEP File # 000005

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP/BEMQA	CODE	MAILING ADDRESS 65 Prospect St. Trenton, NJ 08610
SAMPLE LOCATION	Combe South		

SAMPLE COLLECTOR

SAMPLER(S) Name	M. Dennis	Agency	BEMQA	Sampler ID #	HS114
Name	R. Britton	Agency	"	Sampler ID #	HS163

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	PW025	SAMPLING DATE	8/20/86	ABSCISSA (Longitude)	
SAMPLE POINT ID	PW025	TIME (MIL) SAMPLING BEGAN	1219	ORDINATE (Latitude)	
SAMPLE SOURCE CODE	400	TIME (MIL) SAMPLING FINISHED	1229	ELEVATION	
REFERENCE POINT	32 Longhill Rd. Johnson Res.				

SAMPLING PROCESS

COLLECTION METHOD	Code Grab	Other	SAMPLE TYPE	Code 100	Other
TYPE OF SAMPLER	Code	Other	SAMPLE MATRIX	Code 200	Other
DESCRIPTION					

FIELD MEASUREMENTS

SAMPLE TEMP.	°C	PARAMETER pH=6.9	PARAMETER	PARAMETER
AIR TEMP.	°C	VALUE	VALUE	VALUE
WEATHER				

CHAIN-OF-CUSTODY IMPLEMENTED ☐ YES ☐ NO

PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
PP+40	7			

ANALYSIS(ES) AUTHORIZED BY Paul Zarrillo TITLE HSWMS II

ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE J. Hettinger	TITLE Sample Custodian	
LAB ID # 56-0081-005	LAB CONTROL #	DATE 8/20/86	TIME (MIL) 1815

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE NUMBER
PW-025

Laboratory Name: NANCO LABORATORY INC.
Lab Sample ID No: >P3056
Sample Matrix: WATER
Data Release Authorized By: George Odell

Case No: N. J. DEP
QC Report No: 005
Contract No: N/A
Date Sample Received: 8/20/86 W9

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/22/86
Date Analyzed: 8/22/86
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	6.9 B
67-64-1	Acetone	10.9 B
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.

000352

LABORATORY NAME: NANCO LABS. INC.
CASE NO: N.J. DEP

SAMPLE NO.
PW-025

SEMIVOLATILE COMPOUNDS

Concentration: (LOW) Medium (Circle One)
Date Extracted/Prepared: ~~8/26/86~~ 8/25/86 pls
Date Analyzed: 9/06/86
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	51.0
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	21.0
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 3)

SAMPLE NUMBER
PW-025
JOHNSON R & S

LABORATORY NAME: NANCO LABS, INC.
CASE NO: NJ DEP

PESTICIDE/PCBs

Concentration: (Low) Medium (Circle One)
Date Extracted/Prepared: 8/25/86
Date Analyzed: 9/11/86
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

SAMPLE NUMBER
PW-025

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N.J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	110543	HEXANE	VOA	22.51	8.2 J
2	-----	UNKNOWN ALKANE	VOA	37.10	115.0 J
3	-----	UNKNOWN ALKANE	VOA	40.57	88.2 J
4					
5					
6					
7					
8	-----	UNKNOWN	BNA	26.74	33.0 J
9	-----	UNKNOWN	BNA	26.90	33.0 J
10	-----	UNKNOWN	BNA	27.13	39.0 J
11	-----	UNKNOWN	BNA	27.21	27.0 J
12	-----	UNKNOWN	BNA	27.35	29.0 J
13	-----	UNKNOWN	BNA	27.60	47.0 J
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

INORGANIC ANALYSIS DATA SHEET
FORM I

Lab Name : NANCO LABORATORIES, INC. Customer : N.J. DEP

Lab Sample ID: J6-0081-005 Lab. Receipt Date: 8/~~19~~20/86

DEP Sample ID : PW-025

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	NR	13.	MAGNESIUM	NR
2.	ANTIMONY	50.0 U	14.	MANGANESE	~~180.0~~ JC
3.	ARSENIC	5.0 U	15.	MERCURY	0.2 U
4.	BARIUM	NR	16.	NICKEL	30.0 U
5.	BERYLLIUM	2.0 U	17.	POTASSIUM	NR
6.	CADMIUM	5.0 U	18.	SELENIUM	5.0 U N
7.	CALCIUM	NR	19.	SILVER	44.0
8.	CHROMIUM	10.0 U	20.	SODIUM	NR
9.	COBALT	NR	21.	THALLIUM	5.0 U N
10.	COPPER	10.0 U	22.	VANADIUM	NR
11.	IRON	~~47600.0~~ JC	23.	ZINC	25.0
12.	LEAD	25.0 U N		PHENOL	10.0 U
	CYANIDE	10.0 U		PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly
LAB MANAGER

0/04

SAMPLE ANALYSIS REQUEST FORM

NJDEP File # 000014

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP / BEMGA	CODE	MAILING ADDRESS 65 PROSPECT ST
SAMPLE LOCATION	COMBE SOUTH		TRENTON N.J. 08625

SAMPLE COLLECTOR

SAMPLER(S) Name	CHAD VAN SCHUER	Agency BEMGA	Sampler ID # 45172
Name	JERRY KASHATUS	Agency BEMGA	Sampler ID # 45223

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	PW026	SAMPLING DATE	8/21/85	ABSCISSA (Longitude)	N/A
SAMPLE POINT ID	FOOTE RESIDENCE	TIME (MIL) SAMPLING BEGAN		ORDINATE (Latitude)	
SAMPLE SOURCE CODE	400	TIME (MIL) SAMPLING FINISHED		ELEVATION	
REFERENCE T.					

SAMPLING PROCESS

COLLECTION METHOD	Code	Other GRAB		SAMPLE TYPE	Code 100	Other	
TYPE OF SAMPLER	Code 323	Other SAMPLE BOTTLES		SAMPLE MATRIX	Code 200	Other	
DESCRIPTION							

FIELD MEASUREMENTS

SAMPLE TEMP. °C	PARAMETER pH	PARAMETER	PARAMETER	
AIR TEMP. °C	VALUE 6.4	VALUE	VALUE	
WEATHER				

CHAIN-OF-CUSTODY IMPLEMENTED ☒ YES ☐ NO

PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
PP+40	TOTAL OF 7			

ANALYSIS(ES) AUTHORIZED BY PAUL ZARRILLO TITLE HSMS II

ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE J. Hellinger	TITLE Sample Custodian	
LAB ID # J6-0090-003	LAB CONTROL #	DATE 8/21/86	TIME (MIL) 17:30

001192

OCT 03 1986

SAMPLE DATA

PW-026

FOOTE

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE NUMBER
FW-026

Laboratory Name:NANCO LABORATORY INC.
Lab Sample ID No:>P3067
Sample Matrix: WATER
Data Release Authorized By: [illegible]

Case No: N. J. DEP
QC Report No: 005/006
Contract No: N/A
Date Sample Received: 8/20 & 8/21/86

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/22/86
Date Analyzed: 8/22/86
Conc/Dil Factor: 1 pH: 6.0
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	4.3 J	124-48-1	Dibromochloromethane	5.0 U
67-64-1	Acetone	6.2 JB	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.

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.

001194

LABORATORY NAME: NANCO LABS. INC.
CASE NO: N.J. DEP

SAMPLE NO.
PW-026

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/26/86
Date Analyzed: 9/07/86
Conc/Dil Factor:----------> 1
Percent Moisture: N/A

GPC Cleanup: Yes____ No Y
Separatory Funnel Extraction: Yes Y
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	1.0 J
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	1.0 J
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	108.0
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	1.3 J
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.
CASE NO: NJ DEP

PW 026

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/26/86
Date Analyzed: 9/12/86
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'-DDT	0.10 U
53494-70-5	ndrin Ketone	0.10 U
72-43-5	thoxychlor	0.50 U
57-74-9	lordane	0.50 U
8001-35-2	xaphene	1.00 U
12674-11-2	oclor-1016	0.50 U
11104-28-2	oclor-1221	0.50 U
11141-16-5	oclor-1232	0.50 U
53469-21-9	oclor-1242	0.50 U
12672-29-6	roclor-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

ORGANICS ANALYSIS DATA SHEET
(PAGE 4

SAMPLE NUMBER
PW-026

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N.J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	-----	UNKNOWN ALKANE	VOA	37.26	12.0 J
2	-----	UNKNOWN ALKANE	VOA	41.12	62.0 J
3					
4					
5	-----	UNKNOWN PHTHALATE	BNA	36.09	36.0 J
6	-----	UNKNOWN PHTHALATE	BNA	36.29	95.0 J
7	-----	UNKNOWN PHTHALATE	BNA	36.60	45.0 J
8	-----	UNKNOWN PHTHALATE	BNA	36.82	60.0 J
9	-----	UNKNOWN	BNA	38.35	41.0 J
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

001283

SAMPLE DATA

PW-027

DESCHAK

INORGANIC ANALYSIS DATA SHEET
FORM I

Lab Name : NANCO LABORATORIES, INC.

Customer : N.J. DEP

Lab Sample ID: J6-0090-005

Lab. Receipt Date: 8/21/86

DEP Sample ID : PW-026

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	NR	13. MAGNESIUM	NR
2. ANTIMONY	50.0 U	14. MANGANESE	~~180.0~~ JC
3. ARSENIC	10.0 U	15. MERCURY	0.2 U
4. BARIUM	NR	16. NICKEL	30.0 U
5. BERYLLIUM	2.0 U	17. POTASSIUM	NR
6. CADMIUM	5.0 U	18. SELENIUM	5.0 U N
7. CALCIUM	NR	19. SILVER	10.0 U
8. CHROMIUM	10.0 U	20. SODIUM	NR
9. COBALT	NR	21. THALLIUM	5.0 U N
10. COPPER	53.0	22. VANADIUM	NR
11. IRON	~~47600.0~~ JC	23. ZINC	34.0
12. LEAD	5.0 US N	PHENOL	10.0 U
CYANIDE	10.0 U	PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly

LAB MANAGER

6/84

SAMPLE ANALYSIS REQUEST FORM

NJDEP File # 000015

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP/BEMQA	CODE	MAILING ADDRESS 65 PROSPECT ST. TRENTON N.J. 08611
SAMPLE LOCATION	COMBE SOUTH		

SAMPLE COLLECTOR

SAMPLER(S) Name	CHAD VAN SCIVER	Agency BEMQA	Sampler ID # HS172
Name	JERRY KARAHATUS	Agency BEMQA	Sampler ID # HS 223

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	PW027	SAMPLING DATE	8/21/86	ABSCISSA (Longitude)	
SAMPLE POINT ID	DESCHAK RESIDENCE	TIME (MIL) SAMPLING BEGAN	0935	ORDINATE (Latitude)	N/A
SAMPLE SOURCE CODE	400	TIME (MIL) SAMPLING FINISHED	0945	ELEVATION	
REFERENCE 'NT					

SAMPLING PROCESS

COLLECTION METHOD	Code	Other GRAB		SAMPLE TYPE	Code 100	Other	
TYPE OF SAMPLER	Code 323	Other SAMPLE BOTTLES		SAMPLE MATRIX	Code 200	Other	
DESCRIPTION							

FIELD MEASUREMENTS

SAMPLE TEMP. °C	PARAMETER pH	PARAMETER	PARAMETER	
AIR TEMP. °C	VALUE 6.2	VALUE	VALUE	
WEATHER RAIN				

CHAIN-OF-CUSTODY IMPLEMENTED ☒ YES ☐ NO

PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
P.P. 140	TOTAL of 7			

ANALYSIS(ES) AUTHORIZED BY PAUL ZARRILLO TITLE HSMS II

ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE Joan Hettinger	TITLE Sample Custodian	
LAB ID # J6-0091-025	LAB CONTROL #	DATE 8/21/86	TIME (MIL) 17:30

001284

SAMPLE NUMBER
PW-027

ORGANICS ANALYSIS DATA SHEET
(PAGE 1)

Laboratory Name:NANCO LABORATORY INC.
Lab Sample ID No:>P3068
Sample Matrix: WATER
Data Release Authorized By:

Case No: N. J. DEP
QC Report No: 005/006
Contract No: N/A
Date Sample Received: ~~8/20~~ 8/21 & 8/21/86

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/22/86
Date Analyzed: 8/22/86
Conc/Dil Factor: 1 pH: 5.7
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	6.3
67-64-1	Acetone	8.5 JB
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.

001285

LABORATORY NAME: NANCO LABS. INC.
CASE NO: N.J. DEP

SAMPLE NO.
PW-027

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/26/86
Date Analyzed: 9/23/86
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)	CAS Number		ug/L or ug/Kg (Circle One)
62-75-9	N-Nitrosodimethylamine	10.0 U	83-32-9	Acenaphthene	10.0 U
108-95-2	Phenol	10.0 U	51-28-5	2,4-Dinitrophenol	50.0 U
62-53-3	Aniline	10.0 U	100-02-7	4-Nitrophenol	50.0 U
111-44-4	bis(-2-Chloroethyl)Ether	10.0 U	132-64-9	Dibenzofuran	10.0 U
95-57-8	2-Chlorophenol	10.0 U	121-14-2	2,4-Dinitrotoluene	10.0 U
541-73-1	1,3-Dichlorobenzene	10.0 U	606-20-2	2,6-Dinitrotoluene	10.0 U
106-46-7	1,4-Dichlorobenzene	10.0 U	84-66-2	Diethylphthalate	10.0 U
100-51-6	Benzyl Alcohol	10.0 U	7005-72-3	4-Chlorophenyl-phenylether	10.0 U
95-50-1	1,2-Dichlorobenzene	10.0 U	86-73-7	Fluorene	10.0 U
95-48-7	2-Methylphenol	10.0 U	100-01-6	4-Nitroaniline	50.0 U
39638-32-9	bis(2-chloroisopropyl)Ether	10.0 U	534-52-1	4,6-Dinitro-2-Methylphenol	50.0 U
106-44-5	4-Methylphenol	10.0 U	86-30-6	N-Nitrosodiphenylamine (1)	10.0 U
621-64-7	N-Nitroso-Di-n-Propylamine	10.0 U	101-55-3	4-Bromophenyl-phenylether	10.0 U
67-72-1	Hexachloroethane	10.0 U	118-74-1	Hexachlorobenzene	10.0 U
98-95-3	Nitrobenzene	10.0 U	87-86-5	Pentachlorophenol	50.0 U
78-59-1	Isophorone	10.0 U	85-01-8	Phenanthrene	10.0 U
88-75-5	2-Nitrophenol	10.0 U	120-12-7	Anthracene	10.0 U
105-67-9	2,4-Dimethylphenol	10.0 U	84-74-2	Di-n-Butylphthalate	3.2 J
65-85-0	Benzoic Acid	50.0 U	206-44-0	Fluoranthene	10.0 U
111-91-1	bis(-2-Chloroethoxy)Methane	10.0 U	92-87-5	Benzidine	80.0 U
120-83-2	2,4-Dichlorophenol	10.0 U	129-00-0	Pyrene	10.0 U
120-82-1	1,2,4-Trichlorobenzene	10.0 U	85-68-7	Butylbenzylphthalate	10.0 U
91-20-3	Naphthalene	10.0 U	91-94-1	3,3'-Dichlorobenzidine	20.0 U
106-47-8	4-Chloroaniline	10.0 U	56-55-3	Benzo(a)Anthracene	10.0 U
87-68-3	Hexachlorobutadiene	10.0 U	117-81-7	bis(2-Ethylhexyl)Phthalate	13.0
59-50-7	4-Chloro-3-Methylphenol	10.0 U	218-01-9	Chrysene	10.0 U
91-57-6	2-Methylnaphthalene	10.0 U	117-84-0	Di-n-Octyl Phthalate	10.0 U
77-47-4	Hexachlorocyclopentadiene	10.0 U	205-99-2	Benzo(b)Fluoranthene	10.0 U
88-06-2	2,4,6-Trichlorophenol	10.0 U	207-08-9	Benzo(k)Fluoranthene	10.0 U
95-95-4	2,4,5-Trichlorophenol	50.0 U	50-32-8	Benzo(a)Pyrene	10.0 U
91-58-7	2-Chloronaphthalene	10.0 U	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0 U
88-74-4	2-Nitroaniline	50.0 U	53-70-3	Dibenz(a,h)Anthracene	10.0 U
131-11-3	Dimethyl Phthalate	10.0 U	191-24-2	Benzo(g,h,i)Perylene	10.0 U
208-96-8	Acenaphthylene	10.0 U			
99-09-2	3-Nitroaniline	50.0 U			

(1) - Cannot be separated from diphenylamine

ORGANICS ANALYSIS DATA SHEET
(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.
CASE NO: NJ DEP

PW 027

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/26/86
Date Analyzed: 9/12/86
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

ORGANICS ANALYSIS DATA SHEET

(PAGE 4)

SAMPLE NUMBER

PW-027

LABORATORY NAME :NANCO LABS.INC.

CASE NO: N.J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	110543	HEXANE	VOA	22.53	5.1 J
2					
3					
4	127184	TETRACHLOROETHENE	BNA	6.77	75.0 J
5	-----	UNKNOWN	BNA	12.37	66.0 J
6	-----	DICHLORO CYCLOHEXANE ISOMER	BNA	13.30	31.0 J
7	-----	UNKNOWN	BNA	30.29	34.0 J
8	-----	UNKNOWN	BNA	34.25	37.0 J
9	-----	UNKNOWN	BNA	34.52	74.0 J
10	-----	UNKNOWN	BNA	35.34	54.0 J
11	57885	CHLOEST-5-EN-3-OL (3-BETA)	BNA	35.11	31.0 J
12	-----	UNKNOWN	BNA	35.42	44.0 J
13	-----	UNKNOWN	BNA	35.54	81.0 J
14	-----	UNKNOWN	BNA	35.62	38.0 J
15	-----	UNKNOWN	BNA	37.31	47.0 J
16	-----	UNKNOWN	BNA	37.97	31.0 J
17	-----	UNKNOWN	BNA	38.68	7.2 J
18	-----	UNKNOWN	BNA	38.83	130.0 J
19	-----	UNKNOWN	BNA	38.89	160.0 J
20	-----	UNKNOWN	BNA	39.13	71.0 J
21	-----	UNKNOWN	BNA	41.99	29.0 J
22	-----	UNKNOWN	BNA	42.09	110.0 J
23					
24					
25					
26					

INORGANIC ANALYSIS DATA SHEET
FORM I

000108

Lab Name : NANCO LABORATORIES, INC. Customer : N.J. DEP

Lab Sample ID: J6-0091-005 Lab. Receipt Date: 8/21/86

DEP Sample ID : PW-027

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	NR	13.	MAGNESIUM	NR
2.	ANTIMONY	50.0 U	14.	MANGANESE	~~180.0~~ JC
3.	ARSENIC	10.0 U	15.	MERCURY	0.2 U
4.	BARIUM	NR	16.	NICKEL	30.0 U
5.	BERYLLIUM	2.0 U	17.	POTASSIUM	NR
6.	CADMIUM	5.0 U	18.	SELENIUM	5.0 U N
7.	CALCIUM	NR	19.	SILVER	24.0
8.	CHROMIUM	10.0 U	20.	SODIUM	NR
9.	COBALT	NR	21.	THALLIUM	5.0 U N
10.	COPPER	123.0	22.	VANADIUM	NR
11.	IRON	~~47600.0~~ JC	23.	ZINC	30.0
12.	LEAD	5.0 U N		PHENOL	10.0 U
	CYANIDE	10.0 U		PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly
LAB MANAGER

001690

OCT 1986

SAMPLE DATA

PW-038

MENZEL

SAMPLE ANALYSIS REQUEST FORM

NJDEP File # 000018

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP / BEMQA	CODE	MAILING ADDRESS 65 Prospect ST
SAMPLE LOCATION	COMBE SOUTH		TRENTON, N.J. 08618

SAMPLE COLLECTOR

SAMPLER(S) Name	MIKE DENNIS	Agency	BEMQA	Sampler ID #	HS 114
Name	RICK BRITTON	Agency	BEMQA	Sampler ID #	HS 163

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	RWC28	SAMPLING DATE	8/21/86	ABSCISSA (Longitude)	N/A
SAMPLE POINT ID	MENZEL RES	TIME (MIL) SAMPLING BEGAN	0923	ORDINATE (Latitude)	
SAMPLE SOURCE CODE	400	TIME (MIL) SAMPLING FINISHED	0935	ELEVATION	
REFERENCE P T	1045 State Park Rd.				

SAMPLING PROCESS

COLLECTION METHOD	Code	Other	GRAB	SAMPLE TYPE	Code 100	Other	
TYPE OF SAMPLER	Code 323	Other	SAMPLE BOTTLES	SAMPLE MATRIX	Code 200	Other	
DESCRIPTION							

FIELD MEASUREMENTS

SAMPLE TEMP. °C	PARAMETER	pH = 7.1	PARAMETER	PARAMETER
AIR TEMP. °C	VALUE		VALUE	VALUE
WEATHER				

CHAIN-OF-CUSTODY IMPLEMENTED	☒ YES ☐ NO	PRESERVATION CODE(S)

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
P.P. + 40	TOTRC087			

ANALYSIS(ES) AUTHORIZED BY	PAUL ZARRILLO	TITLE	HSMSII

ANALYZING LABORATORY

CONTRACT LAB NAME		PERSON ACCEPTING SAMPLE	J. Hettinger	TITLE	Sample Custodian
LAB ID #	56-0094-005	LAB CONTROL #		DATE 8/21/86	TIME (MIL) 1730

ORGANICS ANALYSIS DATA SHEET
(PAGE 1)

SA LE NUMBER
PW-028

Laboratory Name:NANCO LABORATORY INC.
Lab Sample ID No:>P3071
Sample Matrix: WATER
Data Release Authorized By: George Odell

Case No: N. J. DEP
QC Report No: 005/006
Contract No: N/A
Date Sample Received: ~~8/20~~ 8/21/86 & 8/21/86

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/22/86
Date Analyzed: 8/22/86
Conc/Dil Factor: 1 pH: 5.9
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	7.6
67-64-1	Acetone	11.0 B
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 identificatior has been confirmed by GC/MS Single component pesticides greater than or equal to 10 ng/ul in the final extract should be confirmc 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.

ORGANIC ANALYSIS DATA SHEET
(F E 2)

001622

LABORATORY NAME: NANCO LABS. INC.
CASE NO: NJ DEP

SAMPLE NO.
PW-028

SEMIVOLATILE COMPOUNDS

Concentration: (Low) Medium (Circle One)
Date Extracted/Prepared: 8/26/86
Date Analyzed: 9/09/86
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	~~1.9 J~~
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	4.0 J
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	1.6 J
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
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	4.6 J
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

ORGANICS ANALYSIS DATA SHEET

(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.

CASE NO: NJ DEP

PW 028

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 8/26/86

Date Analyzed: 9/12/86

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)	0.002 J
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	0.23
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

001634

SAMPLE NUMBER
PW-028

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N.J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1	-----	UNKNOWN	VOA	24.90	30.0 J
2	99876	BENZENE,1-METHYL-4-(1-METHYLETHYL)	VOA	32.70	1090.0 J
3	-----	UNKNOWN ALKANE	VOA	40.96	205.0 J
4					
5	84764	1,2 BENZENEDICARBOXYLIC ACID,DINONYL ESTER	BNA	35.68	42.0 J
6	----	UNKNOWN PHTHALATE	BNA	35.88	34.0 J
7	----	UNKNOWN PHTHALATE	BNA	36.23	22.0 J
8	----	UNKNOWN PHTHALATE	BNA	36.29	56.0 J
9	26761400	1,2 BENZENEDICARBOXYLIC ACID,DIISODECYL ESTER	BNA	36.53	36.0 J
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

INORGANIC ANALYSIS DATA SHEET
FORM I

Lab Name : NANCO LABORATORIES, INC.

Customer : N.J. DEP

Lab Sample ID: J6-0094-005

Lab. Receipt Date: 8/21/86

DEP Sample ID : PW-028

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	NR	13.	MAGNESIUM	NR
2.	ANTIMONY	50.0 U	14.	MANGANESE	~~180.0~~ JC
3.	ARSENIC	5.0 U	15.	MERCURY	0.2 U
4.	BARIUM	NR	16.	NICKEL	30.0 U
5.	BERYLLIUM	2.0 U	17.	POTASSIUM	NR
6.	CADMIUM	5.0 U	18.	SELENIUM	5.0 U N
7.	CALCIUM	NR	19.	SILVER	10.0 U
8.	CHROMIUM	10.0 U	20.	SODIUM	NR
9.	COBALT	NR	21.	THALLIUM	5.0 U N
10.	COPPER	46.0	22.	VANADIUM	NR
11.	IRON	~~67600.0~~ JC	23.	ZINC	26.0
12.	LEAD	5.0 U N		PHENOL	10.0 U
	CYANIDE	10.0 U		PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly

LAB MANAGER

OCT 03 1986 82

SAMPLE DATA

PW-029

RAM

$MeCl_2$ 4.1 J

$CHCl_3$ 29

6/84

SAMPLE ANALYSIS REQUEST FORM

NJDEP File # ~~000019~~

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP/BEMQA	CODE	MAILING ADDRESS 65 PROSPECT ST TRENTON N.J. 08618
SAMPLE LOCATION	COMBE SOUTH		

SAMPLE COLLECTOR

SAMPLER(S) Name	RICH BRITON	Agency BEMQA	Sampler ID # HS163
Name	MIKE DENNIS	Agency BEMQA	Sampler ID # HS114

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	PW029	SAMPLING DATE	8/21/86	ABSCISSA (Longitude)	N/A
SAMPLE POINT ID	RAM RESIDENCE	TIME (MIL) SAMPLING BEGAN	1030	ORDINATE (Latitude)	
SAMPLE SOURCE CODE	400	TIME (MIL) SAMPLING FINISHED	1040	ELEVATION	
REFERENCE POINT	963 E Schoolhouse lane				

SAMPLING PROCESS

COLLECTION METHOD	Code	Other GRAB	SAMPLE TYPE	Code 100	Other
TYPE OF SAMPLER	Code 323	Other SAMPLE BOTTLES	SAMPLE MATRIX	Code 200	Other
DESCRIPTION					

FIELD MEASUREMENTS

SAMPLE TEMP. °C	PARAMETER pH = 6.8	PARAMETER	PARAMETER
AIR TEMP. °C	VALUE	VALUE	VALUE
WEATHER			

CHAIN-OF-CUSTODY IMPLEMENTED ☒ YES ☐ NO

PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
P.P. +40	TOTAL of 7			

ANALYSIS(ES) AUTHORIZED BY PAUL ZARRILLO

TITLE HSMS II

ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE J. Hettinger	TITLE Sample Custodian	
LAB ID # 36-0095-00B	LAB CONTROL #	DATE 8/21/86	TIME (MIL) 1730

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE NUMBER
PW-029

Laboratory Name:NANCO LABORATORY INC.
Lab Sample ID No:>P3072
Sample Matrix: WATER
Data Release Authorized By: George O'Dell

Case No: N. J. DEP
QC Report No: 005/006
Contract No: N/A
Date Sample Received: ~~8/20~~ wq & 8/21/86

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/23/86
Date Analyzed: 8/23/86
Conc/Dil Factor: 1 pH: 5.6
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	4.1 J
67-64-1	Acetone	13.0 B
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	29.0
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	1.1 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	2.0 J
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.

LABORATORY NAME: NANCO LABS. INC.
CASE NO: N.J. DEP

SAMPLE NO.
PW-029

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/26/86
Date Analyzed: 9/09/86
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	1.2 J
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	3.5 J
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	1.2 J
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	120.0
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	0.8 J
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

ORGANICS ANALYSIS DATA SHEET

(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.

CASE NO: NJ DEP

PW 029

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 8/26/86

Date Analyzed: 9/12/86

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

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

SAMPLE NUMBER
PW-029

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N.J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	75718	METHANE,DICHLORODIFLUORO	VOA	5.57	9.6 J
2	75434	METHANE,DICHLOROFLUORO	VOA	8.73	5.6 J
3	-----	UNKNOWN	VOA	22.63	5.6 J
4	-----	UNKNOWN	VOA	26.95	5.0 J
5	-----	UNKNOWN ALKANE	VOA	41.08	82.0 J
6					
7	-----	NONE FOUND	BNA	-------	----------
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

INORGANIC ANALYSIS DATA SHEET
FORM I

Lab Name : NANCO LABORATORIES, INC. Customer : N.J. DEP

Lab Sample ID: J6-0095-005 Lab. Receipt Date: 8/21/86

DEP Sample ID : PW-029

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	NR	13.	MAGNESIUM	NR
2.	ANTIMONY	50.0 U	14.	MANGANESE	~~180.0~~ JC
3.	ARSENIC	10.0 U	15.	MERCURY	0.2 U
4.	BARIUM	NR	16.	NICKEL	30.0 U
5.	BERYLLIUM	2.0 U	17.	POTASSIUM	NR
6.	CADMIUM	5.0 U	18.	SELENIUM	5.0 U N
7.	CALCIUM	NR	19.	SILVER	10.0 U
8.	CHROMIUM	10.0 U	20.	SODIUM	NR
9.	COBALT	NR	21.	THALLIUM	10.0 U N
10.	COPPER	43.0	22.	VANADIUM	NR
11.	IRON	~~47600.0~~ JC	23.	ZINC	44.0
12.	LEAD	5.0 U N		PHENOL	10.0 U
	CYANIDE	10.0 U		PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly

LAB MANAGER

SAMPLE DATA

PW-030

HELIJAS

SAMPLE ANALYSIS REQUEST FORM

NJDEP File # 000022

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP/BEMQA	CODE	MAILING ADDRESS 65 PROSPECT ST TRENTON, N.J. 08611
SAMPLE LOCATION	COMBE SOUTH		

SAMPLE COLLECTOR

SAMPLER(S) Name	MIKE DENNIS	Agency BEMQA	Sampler ID # HS 114
Name	RICK BRITTON	Agency BEMQA	Sampler ID # HS 163

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	PWO 30	SAMPLING DATE	8/21/86	ABSCISSA (Longitude)	
SAMPLE POINT ID	Helios Residence	TIME (MIL) SAMPLING BEGAN	1115	ORDINATE (Latitude)	N/A
SAMPLE SOURCE CODE	400	TIME (MIL) SAMPLING FINISHED	1125	ELEVATION	
REFERENCE POINT					

SAMPLING PROCESS

COLLECTION METHOD	Code	Other GRAB		SAMPLE TYPE	Code 100	Other	
TYPE OF SAMPLER	Code 323	Other SAMPLE BOTTLE		SAMPLE MATRIX	Code 200	Other	
DESCRIPTION							

FIELD MEASUREMENTS

SAMPLE TEMP.	°C	PARAMETER	pH = 6.4	PARAMETER		PARAMETER	
AIR TEMP.	°C	VALUE		VALUE		VALUE	
WEATHER							

CHAIN-OF-CUSTODY IMPLEMENTED ☒ YES ☐ NO

PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
P.P. +40	TOTAL OF 7			

ANALYSIS(ES) AUTHORIZED BY PAUL ZARRILLO TITLE HSMS II

ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE J. Hettinger	TITLE Sample Custodian	
LAB ID # JG-0098-005	LAB CONTROL #	DATE 8/21/86	TIME (MIL) 1730

ORGANICS ANALYSIS DATA SHEET
(PAGE 1)

SAMPLE NUMBER
PW-030

Laboratory Name: NANCO LABORATORY INC.
Lab Sample ID No: >P3081
Sample Matrix: WATER
Data Release Authorized By: [signature]

Case No: N. J. DEP
QC Report No: 005/006
Contract No: N/A
Date Sample Received: 8/20 & 8/21/86

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/24/86
Date Analyzed: 8/24/86
Conc/Dil Factor: 1 pH: 6.0
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	124-48-1	Dibromochloromethane	5.0 U
67-64-1	Acetone	9.5 JB	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-Dichlorcethene	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.

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.

002047

LABORATORY NAME: NANCO LABS. INC.
CASE NO: N.J. DEP

SAMPLE NO.
PW-030

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/26/86
Date Analyzed: 9/9/86
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	1.3 JB
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	1.1 JB
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	1.0 JB
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	1.[illegible] JB
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

ORGANICS ANALYSIS DATA SHEET

(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.

CASE NO: NJ DEP

PW 030

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 8/26/86

Date Analyzed: 9/14/86

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

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

002049

SAMPLE NUMBER
PW-030

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N.J. DEP

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	-----	NONE FOUND	BNA	-----	---------
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

INORGANIC ANALYSIS DATA SHEET
FORM I

Lab Name : NANCO LABORATORIES, INC.

Customer : N.J. DEP

Lab Sample ID: J6-0098-00~~8~~6 JC

Lab. Receipt Date: 8/21/86

DEP Sample ID : PW-030

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	NR	13. MAGNESIUM	NR
2. ANTIMONY	50.0 U N	14. MANGANESE	~~180.0~~ JC
3. ARSENIC	5.0 U	15. MERCURY	0.2 U
4. BARIUM	NR	16. NICKEL	30.0 U
5. BERYLLIUM	2.0 U	17. POTASSIUM	NR
6. CADMIUM	5.0 U	18. SELENIUM	5.0 U N
7. CALCIUM	NR	19. SILVER	10.0 U
8. CHROMIUM	10.0 U	20. SODIUM	NR
9. COBALT	NR	21. THALLIUM	10.0 U
10. COPPER	170.0	22. VANADIUM	NR
11. IRON	~~17600.0~~ JC	23. ZINC	40.0
12. LEAD	472.5 + * N	PHENOL	10.0 U
CYANIDE	10.0 U N	PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly
LAB MANAGER

SAMPLE DATA

PW-031

OPDYKE

6/84

SAMPLE ANALYSIS REQUEST FORM

NJDEP File # 000013

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJ DEP/BEMGA	CODE	MAILING ADDRESS 65 Prospect ST
SAMPLE LOCATION	COMBE SOUTH		TRENTON N.J. 08618

SAMPLE COLLECTOR

SAMPLER(S) Name	CHAD VAN SCIVER	Agency BEMGA	Sampler ID # HS172
Name	JERRY KASHATUS	Agency BEMGA	Sampler ID # HS 223

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	PW031	SAMPLING DATE	8/21/86	ABSCISSA (Longitude)	
SAMPLE POINT ID	(OPDIKE RES)	TIME (MIL) SAMPLING BEGAN	1107	ORDINATE (Latitude)	N/A
SAMPLE SOURCE CODE	400	TIME (MIL) SAMPLING FINISHED	1117	ELEVATION	
REFERENCE NT					

SAMPLING PROCESS

COLLECTION METHOD	Code	Other GRAB		SAMPLE TYPE	Code 100	Other	
TYPE OF SAMPLER	Code 323	Other SAMPLE BOTTLE		SAMPLE MATRIX	Code 200	Other	
DESCRIPTION							

FIELD MEASUREMENTS

SAMPLE TEMP. °C	PARAMETER pH.	PARAMETER	PARAMETER
AIR TEMP. °C	VALUE 6.2	VALUE	VALUE
WEATHER			

CHAIN-OF-CUSTODY IMPLEMENTED ☒ YES ☐ NO

PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
P.P. + 40	TOTAL 87			

ANALYSIS(ES) AUTHORIZED BY PAUL ZARRILLO

TITLE HSMS II

ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE	J. Hettinger	TITLE Sample Custodian
LAB ID # J6-0089-005	LAB CONTROL #	DATE 8/20/8	TIME (MIL) 18:15

ORGANICS ANALYSIS DATA SHEET
(PAGE 1)

SAMPLE NUMBER
PW-031

Laboratory Name:NANCO LABORATORY INC.
Lab Sample ID No:>P3066
Sample Matrix: WATER
Data Release Authorized By:

Case No: N. J. DEP
QC Report No: 005/006
Contract No: N/A
Date Sample Received: ~~8/20~~ 8/20 & 8/21/86

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/22/86
Date Analyzed: 8/22/86
Conc/Dil Factor: 1 pH: 5.6
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	48.0
67-64-1	Acetone	5.9 JB
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.

ORGANIC ANALYSIS DATA SHEET
(PAGE 2)

LABORATORY NAME: NANCO LABS. INC.
CASE NO: N.J. DEP

SAMPLE NO.
PW-031

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/26/86
Date Analyzed: 9/07/86
Conc/Dil Factor:----------> 1
Percent Moisture: N/A

GPC Cleanup: Yes____ No Y
Separatory Funnel Extraction: Yes Y
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	0.8 J
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	8.1 J
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

ORGANICS ANALYSIS DATA SHEET

(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.

CASE NO: NJ DEP

PW 031

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 8/26/86

Date Analyzed: 9/12/86

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

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

SAMPLE NUMBER
PW-031

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N.J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	-----	UNKNOWN	VOA	22.56	5.3 J
2	-----	UNKNOWN ALKANE	VOA	40.63	24.0 J
3					
4					
5	-----	NONE FOUND	BNA	-----	----------
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

INORGANIC ANALYSIS DATA SHEET
FORM I

Lab Name : NANCO LABORATORIES, INC. Customer : N.J. DEP

Lab Sample ID: J6-0089-005 Lab. Receipt Date: 8/21/86

DEP Sample ID : PW-031

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	NR	13.	MAGNESIUM	NR
2.	ANTIMONY	50.0 U	14.	MANGANESE	~~180.0~~ JC
3.	ARSENIC	5.0 U	15.	MERCURY	0.2 U
4.	BARIUM	NR	16.	NICKEL	30.0 U
5.	BERYLLIUM	2.0 U	17.	POTASSIUM	NR
6.	CADMIUM	5.0 U	18.	SELENIUM	5.0 U N
7.	CALCIUM	NR	19.	SILVER	16.0
8.	CHROMIUM	10.0 U	20.	SODIUM	NR
9.	COBALT	NR	21.	THALLIUM	5.0 U N
10.	COPPER	44.0	22.	VANADIUM	NR
11.	IRON	~~17600.0~~ JC	23.	ZINC	20.0
12.	LEAD	70.5 S N		PHENOL	10.0 U
	CYANIDE	10.0 U		PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly

LAB MANAGER

C01582

SAMPLE DATA

PW-032

SEASTREAM

6/84

NJDEP File # 000020

SAMPLE ANALYSIS REQUEST FORM

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP/ BEMQA	CODE	MAILING ADDRESS 65 Prospect St. Trenton N.J. 08611
SAMPLE LOCATION	COMBE SOUTH		

SAMPLE COLLECTOR

SAMPLER(S) Name	CHAP VAN SCIVER	Agency BEMQA	Sampler ID # HS172
Name	JERRY KASHATUS	Agency BEMQA	Sampler ID # HS 220

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	PWC 32	SAMPLING DATE	8/21/86	ABSCISSA (Longitude)	N/A
SAMPLE POINT ID	SEA STREAM RES	TIME (MIL) SAMPLING BEGAN	1030	ORDINATE (Latitude)	
SAMPLE SOURCE CODE	402	TIME (MIL) SAMPLING FINISHED	1040	ELEVATION	
REFERENCE POINT	WELL HEAD				

SAMPLING PROCESS

COLLECTION METHOD	Code	Other GRAB		SAMPLE TYPE	Code 100	Other	
TYPE OF SAMPLER	Code 323	Other SAMPLE BOTTLE		SAMPLE MATRIX	Code 202	Other	
DESCRIPTION	116 OLD FARMERS ROAD						

FIELD MEASUREMENTS

SAMPLE TEMP.	°C	PARAMETER	pH	PARAMETER		PARAMETER	
AIR TEMP.	°C	VALUE	6.5	VALUE		VALUE	
WEATHER							

CHAIN-OF-CUSTODY IMPLEMENTED ☒ YES ☐ NO

PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
P.P 740	TOTAL 057			

ANALYSIS(ES) AUTHORIZED BY PAUL ZARRILLO

TITLE HSMS II

ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE J Hettinger	TITLE Sample Custodian	
LAB ID # 56-00916-005	LAB CONTROL #	DATE 8/21/86	TIME (MIL) 1730

ORGANICS ANALYSIS DATA SHEET
(PAGE 1)

SAMPLE NUMBER
PW-032

Labbratory Name:NANCO LABORATORY INC.
Lab Sample ID No:>P3073
Sample Matrix: WATER
Data Release Authorized By: George Ozell

Case No: N. J. DEP
QC Report No: 005/006
Contract No: N/A
Date Sample Received: ~~8/20~~ wq & 8/21/86

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/23/86
Date Analyzed: 8/23/86
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	130.0
67-64-1	Acetone	5.7 JB
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.

ORGANIC ANALYSIS DATA SHEET
(PAGE 2)

C(1184

LABORATORY NAME: NANCO LABS. INC.
CASE NO: N.J. DEP

SAMPLE NO.
PW-032

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/26/86
Date Analyzed: 9/09/86
Conc/Dil Factor:----------> 1
Percent Moisture: N/A

GPC Cleanup: Yes____ No V
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	1.0 J
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	2.2 J
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	1.5 J
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	64.0
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.
CASE NO: NJ DEP

PW 032

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/26/86
Date Analyzed: 9/12/86
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	0.80
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

SAMPLE NUMBER 001586
PW-032

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N.J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1					
2	110543	HEXANE	VOA	22.57	6.6 J
3					
4					
5	-----	NONE FOUND	BNA	-------	----------
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

INORGANIC ANALYSIS DATA SHEET
FORM I

Lab Name : NANCO LABORATORIES, INC. Customer : N.J. DEP

Lab Sample ID: J6-0096-005 Lab. Receipt Date: 8/21/86

DEP Sample ID : PW-032

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	NR	13.	MAGNESIUM	NR
2.	ANTIMONY	50.0 U	14.	MANGANESE	~~180.0~~ JC
3.	ARSENIC	5.0 U	15.	MERCURY	0.2 U
4.	BARIUM	NR	16.	NICKEL	30.0 U
5.	BERYLLIUM	2.0 U	17.	POTASSIUM	NR
6.	CADMIUM	5.0 U	18.	SELENIUM	5.0 U N
7.	CALCIUM	NR	19.	SILVER	10.0 U
8.	CHROMIUM	10.0 U	20.	SODIUM	NR
9.	COBALT	NR	21.	THALLIUM	10.0 U N
10.	COPPER	35.0	22.	VANADIUM	NR
11.	IRON	~~47600.0~~ JC	23.	ZINC	[17.0]
12.	LEAD	5.0 U N		PHENOL	10.0 U
	CYANIDE	10.0 U		PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly

LAB MANAGER

001407

SAMPLE DATA

PW-033

COSTELLO

0/84

SAMPLE ANALYSIS REQUEST FORM

NJDEP File # ~~000016~~

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON NJDEP/BEMQA	CODE	MAILING ADDRESS 65 Prospect Trenton, NJ 08625
SAMPLE LOCATION Combe South		

SAMPLE COLLECTOR

SAMPLER(S) Name Mike Dennis	Agency BEMQA	Sampler ID # HS114
Name Rich Britton	Agency BEMQA	Sampler ID # HS 163

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO. PW033	SAMPLING DATE 8/21/88	ABSCISSA (Longitude)
SAMPLE POINT ID Costello Res	TIME (MIL) SAMPLING BEGAN 1210	ORDINATE (Latitude) N/A
SAMPLE SOURCE CODE 402	TIME (MIL) SAMPLING FINISHED 1220	ELEVATION
REFERENCE POINT		

SAMPLING PROCESS

COLLECTION METHOD	Code	Other GRAB	SAMPLE TYPE	Code 102	Other
TYPE OF SAMPLER	Code 323	Other SAMPLE BOTTLE	SAMPLE MATRIX	Code 200	Other
DESCRIPTION					

FIELD MEASUREMENTS

SAMPLE TEMP. °C	PARAMETER Ph = 6.7	PARAMETER	PARAMETER
AIR TEMP. °C	VALUE	VALUE	VALUE
WEATHER			

CHAIN-OF-CUSTODY IMPLEMENTED ☒ YES ☐ NO

PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
P.P. +40	TOTAL of 7			

ANALYSIS(ES) AUTHORIZED BY Paul Zarrillo

TITLE HSMS II

ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE J. Kettinger	TITLE Samp Custodian
LAB ID # J6-0092-005	LAB CONTROL #	DATE	TIME (MIL)

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE NUMBER
PW-033

Laboratory Name:NANCO LABORATORY INC.
Lab Sample ID No:>P3069
Sample Matrix: WATER
Data Release Authorized By: George O'Neill

Case No: N. J. DEP
QC Report No: 005/006
Contract No: N/A
Date Sample Received: ~~8/20~~ WG & 8/21/86

VOLATILE COMPOUNDS

Concentration: (Low) Medium (Circle One)
Date Extracted/Prepared: 8/22/86
Date Analyzed: 8/22/86
Conc/Dil Factor: 1 pH: 6.2
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	2.1 J
67-64-1	Acetone	9.1 JB
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	7.8 J
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.

ORGANIC ANALYSIS DATA SHEET
(PAGE 2)

LABORATORY NAME: NANCO LABS. INC.
CASE NO: N.J. DEP

SAMPLE NO.
PW-033

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/26/86
Date Analyzed: 9/07/86
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	0.7 J
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	1.0 J
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	51.0
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.
CASE NO: NJ DEP

PW 033

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/26/86
Date Analyzed: 9/12/86
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

SAMPLE NUMBER
PW-033

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N.J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	110543	HEXANE	VOA	22.53	5.2 J
2	-----	UNKNOWN	VOA	40.90	24.0 J
3					
4	27554263	1,2-BENZENEDICARBOXYLIC ACID,	BNA	36.31	32.0 J
5		DI ISOOCTYL ESTER			
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
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21					
22					
23					
24					
25					
26					

INORGANIC ANALYSIS DATA SHEET
FORM I

Lab Name : NANCO LABORATORIES, INC. Customer : N.J. DEP

Lab Sample ID: J6-0092-005 Lab. Receipt Date: 8/21/86

DEP Sample ID : PW-033

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	NR	13.	MAGNESIUM	NR
2.	ANTIMONY	50.0 U	14.	MANGANESE	~~180.0~~ JC
3.	ARSENIC	10.0 U	15.	MERCURY	0.2 U
4.	BARIUM	NR	16.	NICKEL	30.0 U
5.	BERYLLIUM	2.0 U	17.	POTASSIUM	NR
6.	CADMIUM	5.0 U	18.	SELENIUM	5.0 U N
7.	CALCIUM	NR	19.	SILVER	28.0
8.	CHROMIUM	10.0 U	20.	SODIUM	NR
9.	COBALT	NR	21.	THALLIUM	5.0 U N
10.	COPPER	10.0 U	22.	VANADIUM	NR
11.	IRON	~~67600.0~~ JC	23.	ZINC	[17.0]
12.	LEAD	5.0 U N		PHENOL	10.0 U
	CYANIDE	10.0 U		PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly
LAB MANAGER

OCT 03 199[illegible]

C[illegible]134

SAMPLE DATA

PW-034

JAYNE VALLEY
FARM

NJDEP File # 000023

SAMPLE ANALYSIS REQUEST FORM

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP / BEMQA	CODE	MAILING ADDRESS 65 Prospect St Trenton, N.J. 08618
SAMPLE LOCATION	Combe South		

SAMPLE COLLECTOR

SAMPLER(S) Name	Mike Dennis	Agency	BEMQA	Sampler ID #	HS 114
Name	Rich Britton	Agency	BEMQA	Sampler ID #	HS 163

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	PW034	SAMPLING DATE	8/21/86	ABSCISSA (Longitude)	/
SAMPLE POINT ID	Jayne Vallly Farm	TIME (MIL) SAMPLING BEGAN		ORDINATE (Latitude)	N/A
SAMPLE SOURCE CODE	402	TIME (MIL) SAMPLING FINISHED		ELEVATION	
REFERENCE PO					

SAMPLING PROCESS

COLLECTION METHOD	Code	Other	GRAB	SAMPLE TYPE	Code	100	Other
TYPE OF SAMPLER	Code 323	Other	SAMPLE BOTTLE	SAMPLE MATRIX	Code	200	Other
DESCRIPTION							

FIELD MEASUREMENTS

SAMPLE TEMP.	°C	PARAMETER	PH=6.0	PARAMETER		PARAMETER	
AIR TEMP.	°C	VALUE		VALUE		VALUE	
WEATHER							

CHAIN-OF-CUSTODY IMPLEMENTED ☒ YES ☐ NO

PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
P.P. +40	TOTAL of 7			

ANALYSIS(ES) AUTHORIZED BY PAUL ZARRILLO

TITLE HSMSII

ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE J. Hettinger	TITLE Sample Custodian	
LAB ID # J6-0099-006	LAB CONTROL #	DATE 8/21/86	TIME (MIL) 1730

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE NUMBER
PW-034

Laboratory Name:NANCO LABORATORY INC.
Lab Sample ID No:>P3082
Sample Matrix: WATER
Data Release Authorized By: [signature]

Case No: N. J. DEP
QC Report No: 005/006
Contract No: N/A
Date Sample Received: 8/20 & 8/21/86

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/24/86
Date Analyzed: 8/24/86
Conc/Dil Factor: 1 pH: 5.3
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	6.3
67-64-1	Acetone	68.0 JB
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.

ORGANIC ANALYSIS DATA SHEET
(PAGE 2)

LABORATORY NAME: NANCO LABS. INC.
CASE NO: N.J. DEP

SAMPLE NO.
PW-034

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/26/86
Date Analyzed: 9/29/86
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.
CASE NO: NJ DEP

PW 034

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/26/86
Date Analyzed: 9/14/86
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

40

~~ORGANICS ANALYSIS DATA SHEET~~

~~(PAGE 4)~~

SAMPLE NUMBER
PW-034

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N.J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	110543	HEXANE	VOA	22.61	5.8 J
2	-----	UNKNOWN	VOA	26.16	6.5 J
3	-----	UNKNOWN	VOA	27.01	6.2 J
4					
5	123955	OCTADECANOIC ACID	BNA	30.18	140.0 J
6	-----	UNKNOWN	BNA	30.45	42.0 J
7	-----	UNKNOWN HYDROCARBON	BNA	31.44	31.0 J
8	-----	UNKNOWN	BNA	32.38	120.0 J
9	-----	UNKNOWN HYDROCARBON	BNA	32.50	43.0 J
10	722564	HEPTADECANE	BNA	33.52	42.0 J
11	630068	HEXTRIACONTANE	BNA	34.51	35.0 J
12	-----	UNKNOWN HYDROCARBON	BNA	35.47	27.0 J
13	-----	UNKNOWN HYDROCARBON	BNA	36.38	25.0 J
14	638675	TRICOSANE	BNA	37.28	40.0 J
15	83476	STIGMAST-5-EN-3-OL (3.BETA.,245)-	BNA	41.52	32.0 J
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

FORM I, PART B

OCT 03 1986 001493

SAMPLE DATA

PW-034A

Jayne Valley

[Septic Tank]

INORGANIC ANALYSIS DATA SHEET
FORM I

Lab Name : NANCO LABORATORIES, INC.

Customer : N.J. DEP

Lab Sample ID: J6-0099-006

Lab. Receipt Date: 8/21/86

DEP Sample ID : PW-034

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	NR	13. MAGNESIUM	NR
2. ANTIMONY	50.0 U N	14. MANGANESE	~~180.0~~ JC
3. ARSENIC	5.0 U	15. MERCURY	0.2 U
4. BARIUM	NR	16. NICKEL	30.0 U
5. BERYLLIUM	2.0 U	17. POTASSIUM	NR
6. CADMIUM	5.0 U	18. SELENIUM	5.0 U N
7. CALCIUM	NR	19. SILVER	10.0 U
8. CHROMIUM	10.0 U	20. SODIUM	NR
9. COBALT	NR	21. THALLIUM	10.0 U
10. COPPER	10.0 U	22. VANADIUM	NR
11. IRON	~~47600.0~~ JC	23. ZINC	38.0
12. LEAD	10.0S ~~0.0~~ ~~X~~ N	PHENOL	10.0 U
CYANIDE	10.0 U N	PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly

LAB MANAGER

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE NUMBER
PW-034A

Laboratory Name:NANCO LABORATORY INC.
Lab Sample ID No:>P3070
Sample Matrix: WATER
Data Release Authorized By: George Odell

Case No: N. J. DEP
QC Report No: 005/006
Contract No: N/A
Date Sample Received: ~~8/20~~ wg & 8/21/86

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/22/86
Date Analyzed: 8/22/86
Conc/Dil Factor: 1 pH: 6.9
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	10.4	124-48-1	Dibromochloromethane	5.0 U
67-64-1	Acetone	98.0 B	79-00-5	1,1,2-Trichloroethane	5.0 U
75-15-0	Carbon Disulfide	4.8 J	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	78.0
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.

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.

SAMPLE ANALYSIS REQUEST FORM

File # [illegible]

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP/BEMQA	CODE	MAILING ADDRESS 65 Prospect St. Trenton, NJ 08618
SAMPLE LOCATION	Combe. South		

SAMPLE COLLECTOR

SAMPLER(S) Name	M. Dennis	Agency	BEMQA	Sampler ID #	HS114
Name	D Britton	Agency	"	Sampler ID #	HS163

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	~~PW034~~ PW034A	SAMPLING DATE	8/21/86	ABSCISSA (Longitude)	
SAMPLE POINT ID	~~PW034~~ PW034A	TIME (MIL) SAMPLING BEGAN	1240	ORDINATE (Latitude)	
SAMPLE SOURCE CODE	~~[illegible]~~ 417 Septic Tank	TIME (MIL) SAMPLING FINISHED	1250	ELEVATION	
REFERENCE PO	~~[illegible]~~ 120 E. Valley Brook Rd				

SAMPLING PROCESS

COLLECTION METHOD	Code Grab	Other		SAMPLE TYPE	Code 108	Other Septic Tank	
TYPE OF SAMPLER	Code 314	Other		SAMPLE MATRIX	Code 200 ~~108~~	Other ~~Septic Tank~~	
DESCRIPTION							

FIELD MEASUREMENTS

SAMPLE TEMP. °C	PARAMETER	PARAMETER	PARAMETER
AIR TEMP. °C	VALUE pH=6.8	VALUE	VALUE
WEATHER			

CHAIN-OF-CUSTODY IMPLEMENTED ☐ YES ☐ NO

PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
PP+40	9			

ANALYSIS(ES) AUTHORIZED BY Paul Zarrillo TITLE HSMS II

ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE J. Kittinger	TITLE Sample custodian	
LAB ID # 36-0093-005	LAB CONTROL #	DATE	TIME (MIL)

ORGANIC ANALYSIS DATA SHEET
(PAGE 2)

LABORATORY NAME: NANCO LABS. INC.
CASE NO: N.J. DEP

SAMPLE NO.
PW-034A

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/26/86
Date Analyzed: 9/07/86
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	4.3 J
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	1.6 J
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	0.5 J
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	0.8 J
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	5.4 J
92-87-5	Benzidine	80.0 U
129-00-0	Pyrene	10.0 U
85-68-7	Butylbenzylphthalate	14.0
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	1000.0
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

ORGANICS ANALYSIS DATA SHEET

(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.

CASE NO: NJ DEP

PW 034 A

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 8/26/86

Date Analyzed: 9/12/86

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)	0.06
76-44-8	Heptachlor	0.51
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	0.07 J
72-55-9	4,4'-DDE	0.05 J
72-20-8	Endrin	0.10 U
33213-65-9	Endosulfan II	0.16
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

INORGANIC ANALYSIS DATA SHEET
FORM I

Lab Name : NANCO LABORATORIES, INC. Customer : N.J. DEP

Lab Sample ID: J6-0093-005 Lab. Receipt Date: 8/21/86

DEP Sample ID : PW-034A

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	NR	13.	MAGNESIUM	NR
2.	ANTIMONY	50.0 U	14.	MANGANESE	~~180.0~~ JC
3.	ARSENIC	5.0 U	15.	MERCURY	1.2
4.	BARIUM	NR	16.	NICKEL	431.0
5.	BERYLLIUM	20.0	17.	POTASSIUM	NR
6.	CADMIUM	100.0	18.	SELENIUM	5.0 U N
7.	CALCIUM	NR	19.	SILVER	20.0
8.	CHROMIUM	10.0 U	20.	SODIUM	NR
9.	COBALT	NR	21.	THALLIUM	5.0 U N
10.	COPPER	80130.0	22.	VANADIUM	NR
11.	IRON	~~47600.0~~ JC	23.	ZINC	23820.0
12.	LEAD	5.0 U N		PHENOL	10.0 U
	CYANIDE	10.0 U		PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly

LAB MANAGER

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

SAMPLE NUMBER
PW-034A

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N.J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	624920	DISULFIDE, DIMETHYL	VOA	19.88	25.0 J
2	110543	HEXANE	VOA	22.51	6.6 J
3	-----	UNKNOWN	VOA	30.61	25.0 J
4	470826	1,8-CINEOLE	VOA	34.16	93.0 J
5	1195795	FENCHONE	VOA	36.87	5.1 J
6	-----	UNKNOWN	VOA	39.80	15.0 J
7	470677	ISOCINEOLE	VOA	41.89	120.0 J
8	127184	TETRACHLOROETHENE	BNA	5.98	63.0 J
9	99876	BENZENE, 1-METHYL-4-(1-METHYLETHYL)	BNA	12.40	920.0 J
10	1124272	CYCLOHEXANE,1-METHYL-4-(1-METHYLETHYLIDENE)	BNA	12.50	470.0 J
11	-----	UNKNOWN HYDRCARBON	BNA	12.73	83.0 J
12	1120214	UNDECAN.	BNA	14.07	320.0 J
13	-----	UNKNOWN	BNA	15.01	470.0 J
14	-----	UNKNOWN	BNA	15.09	320.0 J
15	112538	1-DODECANOL	BNA	21.06	820.0 J
16	-----	UNKNOWN	BNA	21.51	180.0 J
17	-----	UNKNOWN	BNA	21.69	250.0 J
18	-----	UNKNOWN	BNA	21.82	410.0 J
19	-----	UNKNOWN	BNA	22.65	760.0 J
20	-----	UNKNOWN	BNA	24.19	1300.0 J
21	-----	UNKNOWN	BNA	24.80	260.0 J
22	36653824	1-HEXADECANOL	BNA	25.58	350.0 J
23	57103	HEXADECANOIC ACID	BNA	28.26	3000.0 J
24	544638	TETRADECANOIC ACID	BNA	30.50	520.0 J
25	7683649	2,6,10,14,18,22-TETRACOSAHEXANENE,			
26		2,6,10,15,19,23-HEXAMETHYL	BNA	37.21	330.0 J
27	-----	UNKNOWN	BNA	38.40	410.0 J
28	-----	UNKNOWN	BNA	39.80	1500.0 J
29	-----	UNKNOWN	BNA	40.15	1000.0 J
30	-----	UNKNOWN	BNA	41.19	330.0 J
31	-----	UNKNOWN	BNA	41.87	620.0 J
32	-----	UNKNOWN	BNA	42.35	270.0 J

FORM I, PART B

001571

SAMPLE DATA

Field Blank
0097

5/84

SAMPLE ANALYSIS REQUEST FORM

NJDEP File # 000021

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON NJDEP/BEMQA	CODE	MAILING ADDRESS 65 Prospect St. Trenton, N.J. 08611
SAMPLE LOCATION Combe South		

SAMPLE COLLECTOR

SAMPLER(S) Name Chad Van Sciver	Agency BEMQA	Sampler ID # HS 114
Name Mike Dennis	Agency BEMQA	Sampler ID # HS 172

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO. FB4	SAMPLING DATE 8/21/86	ABSCISSA (Longitude)
SAMPLE POINT ID Staking Area	TIME (MIL) SAMPLING BEGAN 0905	ORDINATE (Latitude) N/A
SAMPLE SOURCE CODE 400	TIME (MIL) SAMPLING FINISHED 0910	ELEVATION
REFERENCE POINT		

SAMPLING PROCESS

COLLECTION METHOD	Code	Other GRAB	SAMPLE TYPE	Code 100	Other
TYPE OF SAMPLER	Code 323	Other Sample Bottle	SAMPLE MATRIX	Code 200	Other
DESCRIPTION					

FIELD MEASUREMENTS

SAMPLE TEMP. °C	PARAMETER	PARAMETER	PARAMETER
AIR TEMP. °C	VALUE	VALUE	VALUE
WEATHER			

CHAIN-OF-CUSTODY IMPLEMENTED ☒ YES ☐ NO

PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
P.P. +4	TOTOL 87			

ANALYSIS(ES) AUTHORIZED BY Paul Zarrillo

TITLE HSMS II

ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE J. Hettinger	TITLE Sample Custod
LAB ID # TL-0097-005	LAB CONTROL #	DATE 8/21/86	TIME (MIL) 1725

ORGANICS ANALYSIS DATA SHEET
(PAGE 1)

SAMPLE NUMBER
FIELD BLANK #2

Laboratory Name: NANCO LABORATORY INC.
Lab Sample ID No: >P3074
Sample Matrix: WATER
Data Release Authorized By: George O'Neill

Case No: N. J. DEP
QC Report No: 005/006
Contract No: N/A
Date Sample Received: ~~8/20~~ & 8/21/86

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/23/86
Date Analyzed: 8/23/86
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	36.0
67-64-1	Acetone	6.8 JB
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.

ORGANIC ANALYSIS DATA SHEET
(PAGE 2)

C01C.3

LABORATORY NAME: NANCO LABS. INC.
CASE NO: N.J. DEP

SAMPLE NO.
FIELD BLANK #2

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/26/86
Date Analyzed: 9/09/86
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	1.0 J
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	69.0
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

001040

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE NUMBER
TRIP BLANK #2

Laboratory Name: NANCO LABORATORY INC.
Lab Sample ID No: >P3065
Sample Matrix: WATER
Data Release Authorized By: George Odell

Case No: N. J. DEP
QC Report No: 005/006
Contract No: N/A
Date Sample Received: ~~8/20 &~~ 8/21/86

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/22/86
Date Analyzed: 8/22/86
Conc/Dil Factor: 1 pH: 5.9
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	3.4 J
67-64-1	Acetone	5.6 JB
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	7.0 J
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.

SAMPLE ANALYSIS REQUEST FORM

NJDEP File # 000012

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP/BEMQA	CODE	MAILING ADDRESS 65 PROSPECT ST TRENTON, N.J. 08618
SAMPLE LOCATION	COMBE SOUTH		

SAMPLE COLLECTOR

SAMPLER(S) Name	MIKE DENNIS	Agency	BEMQA	Sampler ID #	HS114
Name	CLAD VAN SCIVER	Agency	BEMQA	Sampler ID #	HS172

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	TB4	SAMPLING DATE	8/21/86	ABSCISSA (Longitude)	
SAMPLE POINT ID	STARGAL AREA	TIME (MIL) SAMPLING BEGAN	0900	ORDINATE (Latitude)	N/A
SAMPLE SOURCE CODE	400	TIME (MIL) SAMPLING FINISHED	0901	ELEVATION	
REFERENCE NT					

SAMPLING PROCESS

COLLECTION METHOD	Code	Other	TRIP BLANK	SAMPLE TYPE	Code	TRIP	Other BLANK
TYPE OF SAMPLER	Code 323	Other	TRIP BLANK	SAMPLE MATRIX	Code	TRIP	Other BLANK
DESCRIPTION							

FIELD MEASUREMENTS

SAMPLE TEMP.	°C	PARAMETER		PARAMETER		PARAMETER	
AIR TEMP.	°C	VALUE		VALUE		VALUE	
WEATHER							

CHAIN-OF-CUSTODY IMPLEMENTED ☒ YES ☐ NO

PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
P.P. +40	TOTAL 87			

ANALYSIS(ES) AUTHORIZED BY PAUL ZARRILLO

TITLE HSMSII

ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE J. Hettinger	TITLE J. Hett Samp Cust	
LAB ID # J6-0088-005	LAB CONTROL #	DATE 8/21/86	TIME (MIL) 1730

ORGANICS ANALYSIS DATA SHEET

(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.

CASE NO: NJ DEP

TRIP BLANK 0055

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 8/26/86

Date Analyzed: 9/12/86

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

ORGANIC ANALYSIS DATA SHEET
(PAGE 2)

LABORATORY NAME: NANCO LABS. INC.
CASE NO: N.J. DEP

SAMPLE NO.
TRIP BLANK #2

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/26/86
Date Analyzed: 9/07/86
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	0.7 J
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	0.9 J
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.
CASE NO: NJ DEP

FIELD BLANK 0097
#2

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/26/86
Date Analyzed: 9/12/86
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

C(1f-5

SAMPLE NUMBER
FIELD BLANK #2

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N.J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1					
2	-----	UNKNOWN	VOA	22.54	6.6 J
3					
4					
5	-----	NONE FOUND	BNA	-------	----------
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

SAMPLE DATA

trip blank
0088

INORGANIC ANALYSIS DATA SHEET
FORM I

Lab Name : NANCO LABORATORIES, INC.

Customer : N.J. DEP

Lab Sample ID: J6-0097-005

Lab. Receipt Date: 8/21/86

DEP Sample ID : FIELD BLANK

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	NR	13. MAGNESIUM	NR
2. ANTIMONY	50.0 U	14. MANGANESE	~~180.0~~ JC
3. ARSENIC	10.0 U	15. MERCURY	0.2 U
4. BARIUM	NR	16. NICKEL	30.0 U
5. BERYLLIUM	2.0 U	17. POTASSIUM	NR
6. CADMIUM	5.0 U	18. SELENIUM	5.0 U N
7. CALCIUM	NR	19. SILVER	27.0
8. CHROMIUM	10.0 U	20. SODIUM	NR
9. COBALT	NR	21. THALLIUM	10.0 U N
10. COPPER	10.0 U	22. VANADIUM	NR
11. IRON	~~67600.0~~ JC	23. ZINC	10.0 U
12. LEAD	5.0 U N	PHENOL	10.0 U
CYANIDE	10.0 U	PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly

LAB MANAGER

SAMPLE NUMBER
FIELD BLANK

ORGANICS ANALYSIS DATA SHEET
(PAGE 1)

Laboratory Name: NANCO LABORATORY INC.
Lab Sample ID No: >P3059
Sample Matrix: WATER
Data Release Authorized By: [signature]

Case No: N. J. DEP
QC Report No: 005
Contract No: N/A
Date Sample Received: 8/20/86 wq

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/22/86
Date Analyzed: 8/22/86
Conc/Dil Factor: 1 pH: 6.0
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	15.0 B
67-64-1	Acetone	20.2 B
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	1.5 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.

SAMPLE ANALYSIS REQUEST FORM

NJDEP File # 000003

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP / BEMQA	CODE	MAILING ADDRESS 65 PROSPECT ST.
SAMPLE LOCATION	COMBE LANDFILL SOUTH		TRENTON, NJ 08618

SAMPLE COLLECTOR

SAMPLER(S) Name	MIKE DENNIS	Agency	BEMQA	Sampler ID #	HS 171
Name	CHAO VAN SCIVER	Agency	BEMQA	Sampler ID #	HS 114

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	FB-3 (FIELD BLANK)	SAMPLING DATE	8/20/86	ABSCISSA (Longitude)	N/A
SAMPLE POINT ID	FB-3 (NANCO)	TIME (MIL) SAMPLING BEGAN	0750	ORDINATE (Latitude)	
SAMPLE SOURCE CODE		TIME (MIL) SAMPLING FINISHED	0805	ELEVATION	
REFERENCE POINT					

SAMPLING PROCESS

COLLECTION METHOD	Code GRAB	Other		SAMPLE TYPE	Code 108	Other	LAB WATER
TYPE OF SAMPLER	Code 323	Other	SAMPLE BOTTLE	SAMPLE MATRIX	Code 200	Other	
DESCRIPTION							

FIELD MEASUREMENTS

SAMPLE TEMP. °C	PARAMETER	PARAMETER	PARAMETER	
AIR TEMP. °C	VALUE	VALUE	VALUE	
WEATHER				

CHAIN-OF-CUSTODY IMPLEMENTED ☒ YES ☐ NO

PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
PP +40				

ANALYSIS(ES) AUTHORIZED BY PAUL ZARRILLO

TITLE HSMS II

ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE J Hettinger	TITLE Sample Custodian	
LAB ID # JL-0084-005	LAB CONTROL #	DATE 8/22/86	TIME (MIL) 18:35 gk

SAMPLE DATA

Field Blank
0084

INORGANIC ANALYSIS DATA SHEET
FORM I

Lab Name : NANCO LABORATORIES, INC. Customer : N.J. DEP

Lab Sample ID: J6-0083-005 Lab. Receipt Date: 8/20/86

DEP Sample ID : TRIP BLANK

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	NR	13.	MAGNESIUM	NR
2.	ANTIMONY	50.0 U	14.	MANGANESE	~~180.0~~ JC
3.	ARSENIC	5.0 U	15.	MERCURY	0.2 U
4.	BARIUM	NR	16.	NICKEL	30.0 U
5.	BERYLLIUM	2.0 U	17.	POTASSIUM	NR
6.	CADMIUM	5.0 U	18.	SELENIUM	5.0 U N
7.	CALCIUM	NR	19.	SILVER	10.0 U
8.	CHROMIUM	10.0 U	20.	SODIUM	NR
9.	COBALT	NR	21.	THALLIUM	5.0 U N
10.	COPPER	10.0 U	22.	VANADIUM	NR
11.	IRON	~~47600.0~~ JC	23.	ZINC	[18.0]
12.	LEAD	25.0 U N		PHENOL	10.0 U
	CYANIDE	10.0 U		PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly
LAB MANAGER

U 2

ORGANICS ANALYSIS DATA SHEET
(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.
CASE NO: NJ DEP

TRIP BLANK 0083

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/25/86
Date Analyzed: 9/11/86
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

SAMPLE NUMBER
TRIP BLANK

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N.J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	110543	HEXANE	VOA	22.54	13.0 J
2	-----	UNKNOWN	VOA	26.94	6.7 J
3					
4					
5					
6	57103	HEXADECANOIC ACID	BNA	27.94	61.0 J
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

LABORATORY NAME: NANCO LABS. INC.
CASE NO: N.J. DEP

SAMPLE NO.
TRIP BLANK

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: ~~8/26/86~~ 8/25/86 pls
Date Analyzed: 9/07/86
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	0.6 J
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	3.9 J
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	0.9 J
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	1.9 J
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

000590

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE NUMBER

TRIP BLANK

Laboratory Name:NANCO LABORATORY INC.

Lab Sample ID No:>P3058

Sample Matrix: WATER

Data Release Authorized By: [signature]

Case No: N. J. DEP

QC Report No: 005

Contract No: N/A

Date Sample Received: 8/20/86 wg

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 8/22/86

Date Analyzed: 8/22/86

Conc/Dil Factor: 1 pH: 5.2

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	11.0 B
67-64-1	Acetone	14.0 B
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.

SAMPLE DATA

Trip Blank
0083

6/84

SAMPLE ANALYSIS REQUEST FORM

NJDEP File # 000007

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON: NJDEP/BEMQA	CODE	MAILING ADDRESS: 65 PROSPECT ST. TRENTON
SAMPLE LOCATION: COMBE LANDFILL SOUTH		

SAMPLE COLLECTOR

SAMPLER(S) Name: MIKE DENNIS	Agency: BEMQA	Sampler ID #: HS171
Name: CHAD VAN SCIVER	Agency: " "	Sampler ID #: HS114

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.: TB-3 (TRIP BLANK)	SAMPLING DATE: 8/20/86	ABSCISSA (Longitude): N/A
SAMPLE POINT ID: TB-3 (NANCO)	TIME (MIL) SAMPLING BEGAN: 0750	ORDINATE (Latitude):
SAMPLE SOURCE CODE	TIME (MIL) SAMPLING FINISHED: 0805	ELEVATION
REFERENCE POINT		

SAMPLING PROCESS

COLLECTION METHOD	Code: GRAB	Other:	SAMPLE TYPE	Code: 108	Other: LAB WATER
TYPE OF SAMPLER	Code: 323	Other: SAMPLE BOTTLE	SAMPLE MATRIX	Code: 200	Other:
DESCRIPTION					

FIELD MEASUREMENTS

SAMPLE TEMP. °C	PARAMETER	PARAMETER	PARAMETER
AIR TEMP. °C	VALUE	VALUE	VALUE
WEATHER			

CHAIN-OF-CUSTODY IMPLEMENTED ☒ YES ☐ NO

PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
PP+40				

ANALYSIS(ES) AUTHORIZED BY: PAUL ZARELLO

TITLE: HSMS II

ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE: J. Kettenger	TITLE: Sample Custodian	
LAB ID #: J6-0083-005	LAB CONTROL #	DATE: 8/20/86	TIME (MIL): 18:15

INORGANIC ANALYSIS DATA SHEET
FORM I

Lab Name : NANCO LABORATORIES, INC. Customer : N.J. DEP

Lab Sample ID: J6-0088-005 Lab. Receipt Date: 8/21/86

DEP Sample ID : TRIP BLANK

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	NR	13. MAGNESIUM	NR
2. ANTIMONY	50.0 U	14. MANGANESE	~~180.0~~ JC
3. ARSENIC	10.0 U	15. MERCURY	0.2 U
4. BARIUM	NR	16. NICKEL	30.0 U
5. BERYLLIUM	2.0 U	17. POTASSIUM	NR
6. CADMIUM	5.0 U	18. SELENIUM	5.0 U N
7. CALCIUM	NR	19. SILVER	44.0
8. CHROMIUM	10.0 U	20. SODIUM	NR
9. COBALT	NR	21. THALLIUM	5.0 U N
10. COPPER	10.0 U	22. VANADIUM	NR
11. IRON	~~47600.0~~ JC	23. ZINC	[12.0]
12. LEAD	5.0 U N	PHENOL	10.0 U
CYANIDE	10.0 U	PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly
LAB MANAGER

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

SAMPLE NUMBER
TRIP BLANK #2

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N.J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	930223	OXIRANE, ETHENYL	VOA	22.57	~~6.5 J~~
2	-----	UNKNOWN ALKANE	VOA	40.48	30.4 J
3					
4					
5	-----	NONE FOUND	BNA	-----	----------
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

001372

SEP 25 1986

SAMPLE DATA

TB-2

MeCl2 13

INORGANIC ANALYSIS DATA SHEET
FORM I

Lab Name : NANCO LABORATORIES, INC. Customer : N.J. DEP

Lab Sample ID: J6-0084-005 Lab. Receipt Date: 8/20/86

DEP Sample ID : FIELD BLANK

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	NR	13.	MAGNESIUM	NR
2.	ANTIMONY	50.0 U	14.	MANGANESE	~~180.0~~ JC
3.	ARSENIC	5.0 U	15.	MERCURY	0.2 U
4.	BARIUM	NR	16.	NICKEL	30.0 U
5.	BERYLLIUM	2.0 U	17.	POTASSIUM	NR
6.	CADMIUM	5.0 U	18.	SELENIUM	5.0 U N
7.	CALCIUM	NR	19.	SILVER	88.0
8.	CHROMIUM	10.0 U	20.	SODIUM	NR
9.	COBALT	NR	21.	THALLIUM	5.0 U N
10.	COPPER	10.0 U	22.	VANADIUM	NR
11.	IRON	~~47600.0~~ JC	23.	ZINC	[19.0]
12.	LEAD	5.0 U N		PHENOL	10.0 U
	CYANIDE	10.0 U		PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly

LAB MANAGER

000597

SAMPLE NUMBER

ORGANICS ANALYSIS DATA SHEET
(PAGE 3)

LABORATORY NAME: NANCO LABS, INC.
CASE NO: NJ DEP

FIELD BLANK
0084

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/25/86
Date Analyzed: 9/11/86
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

ORGANIC ANALYSIS DATA SHEET
(PAGE 2)

LABORATORY NAME: NANCO LABS. INC.
CASE NO: N.J. DEP

SAMPLE NO.
FIELD BLANK

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: ~~8/26/86~~ ~~8/26/86~~, 8/25/86 pd
Date Analyzed: 9/07/86
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	2.4 J
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	79.0
218-01-9	Chrysene	10.0 U
117-84-0	Di-n-Octyl Phthalate	37.0
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

Lab Name: NANCO LABORATORIES, INC.
Lab Address: Unity Street,
Hopewell Junction, New York

VALUE - IF THE RESULT IS A VALUE GREATER THAN OR EQUAL TO THE INSTRUMENT DETECTION LIMIT BUT LESS THAN THE CONTRACT-REQUIRED DECTECTION LIMIT, THE VALUE IS REPORTED IN BRACKETS (i.e., [10]. THE ANALYTICAL METHOD USED IS INDICATED WITH P (FOR ICP), A (FOR FLAME AA) OR F (FOR FURNACE AA).

U - INDICATES ELEMENT WAS ANALYZED FOR BUT NOT DETECTED. REPORTED WITH THE INSTRUMENT DETECTION LIMIT VALUE (e.g., 10 U).

E - INDICATES A VALUE ESTIMATED OR NOT REPORTED DUE TO THE PRESENCE OF INTERFERENCE.

s - INDICATES A VALUE DETERMINED BY METHOD OF STANDARD ADDITION.

N - 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

M - INDICATES DUPLICATE INJECTION RESULTS EXCEEDED CONTROL LIMITS.

COMMENTS :

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

SAMPLE NUMBER
FIELD BLANK

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N.J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	110543	HEXANE	VOA	22.45	16.1 J
2	-----	UNKNOWN	VOA	26.85	9.5 J
3					
4					
5	-----	UNKNOWN	BNA	36.01	68.0 J
6	-----	UNKNOWN	BNA	36.17	57.0 J
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

ORGANICS ANALYSIS DATA SHEET
(PAGE 1)

SAMPLE NUMBER
TB-2

Laboratory Name: NANCO LABORATORY INC.
Lab Sample ID No: >P3036
Sample Matrix: WATER
Data Release Authorized By: [signature]

Case No: N. J. DEP
QC Report No: ~~N/A~~ 0004
Contract No: N/A
Date Sample Received: 8/19/86

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/21/86
Date Analyzed: 8/21/86
Conc/Dil Factor: 1 pH: 7.3
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	17.0 B	124-48-1	Dibromochloromethane	5.0 U
67-64-1	Acetone	9.3 JB	79-00-5	1,1,2-Trichloroethane	5.0 U
75-15-0	Carbon Disulfide	5.0 U	71-43-2	Benzene	1.3 J
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.

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 identificati has been confirmed by GC/MS Single component pesticides greater than or equal to 10 ng/ul in the final extract should be confirm 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.

6/84

SAMPLE ANALYSIS REQUEST FORM

NJDEP File # 000022

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP/BEMQA	CODE	MAILING ADDRESS 65 Prospect St.
SAMPLE LOCATION	Combe South		Trenton, NJ 08618

SAMPLE COLLECTOR

SAMPLER(S) Name	R. Britton	Agency	BEMQA	Sampler ID #	HS163
Name	D. Doyle	Agency	"	Sampler ID #	HS222

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	TB#2	SAMPLING DATE	8/19/86	ABSCISSA (Longitude)	
SAMPLE POINT ID	TB#2	TIME (MIL) SAMPLING BEGAN	0840	ORDINATE (Latitude)	
SAMPLE SOURCE CODE		TIME (MIL) SAMPLING FINISHED	0845	ELEVATION	
REFERENCE POINT					

SAMPLING PROCESS

COLLECTION METHOD	Code	Other	SAMPLE TYPE	Code	Other
TYPE OF SAMPLER	Code	Other	SAMPLE MATRIX	Code	Other
DESCRIPTION					

FIELD MEASUREMENTS

SAMPLE TEMP. °C	PARAMETER	PARAMETER	PARAMETER
AIR TEMP. °C	VALUE	VALUE	VALUE
WEATHER			

CHAIN-OF-CUSTODY IMPLEMENTED ☐ YES ☐ NO

PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
PP+40				

ANALYSIS(ES) AUTHORIZED BY Paul Barrillo TITLE #SMS II

ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE J. Hettinger	TITLE Samp Custodian	
LAB ID # J6-0072-004	LAB CONTROL #	DATE 8/19/86	TIME (MIL) 18:30

ORGANIC ANALYSIS DATA SHEET
(PAGE 2)

LABORATORY NAME: NANCO LABS. INC.
CASE NO: NJ DEP

SAMPLE NO.
TB-2

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/22/86
Date Analyzed: 9/06/86
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	0.5 JB
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	28.0 B
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	1.8 J
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

ORGANICS ANALYSIS DATA SHEET

(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.

CASE NO: NJ DEP

TB 2

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 8/25/86

Date Analyzed: 9/10/86

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

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

SAMPLE NUMBER
TB-2

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N. J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	110543	HEXANE	VOA	22.52	7.8 J
2	-----	UNKNOWN ALKANE	VOA	26.92	5.6 J
3	-----	UNKNOWN ALKANE	VOA	40.13	9.0 J
4					
5	127184	TETRACHLOROETHENE	BNA	6.67	25.0 JB
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

INORGANIC ANALYSIS DATA SHEET
FORM I

Lab Name : NANCO LABORATORIES, INC. Customer : N.J. DEP

Lab Sample ID: J6-0072-004 Lab. Receipt Date: 8/19/86

DEP Sample ID : TB-2

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	NR	13. MAGNESIUM	NR
2. ANTIMONY	50.0 U	14. MANGANESE	NR
3. ARSENIC	5.0 U	15. MERCURY	0.2 U
4. BARIUM	NR	16. NICKEL	30.0 U
5. BERYLLIUM	2.0 U N	17. POTASSIUM	NR
6. CADMIUM	5.0 U	18. SELENIUM	5.0 U N
7. CALCIUM	NR	19. SILVER	10.0 U
8. CHROMIUM	10.0 U	20. SODIUM	NR
9. COBALT	NR	21. THALLIUM	5.0 U
10. COPPER	10.0 U	22. VANADIUM	NR
11. IRON	NR	23. ZINC	10.0 U
12. LEAD	25.0 U	PHENOL	10.0 U
CYANIDE	10.0 U	PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly
LAB MANAGER

001273

OCT 25 1990

SAMPLE DATA

FB-2

$MeCl_2$ 13B

6/84

NJDEP File # 000021

SAMPLE ANALYSIS REQUEST FORM

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON	NJDEP/BEMQA	CODE	MAILING ADDRESS 65 Prospect St.
SAMPLE LOCATION	FB-2 (Field Blank-Nanco)		Trenton, NJ 08618

SAMPLE COLLECTOR

SAMPLER(S) Name	R. Britton	Agency	BEMQA	Sampler ID #	HS 163
Name	D Doyle.	Agency	"	Sampler ID #	HS222

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO.	FB-2	SAMPLING DATE	8/19/86	ABSCISSA (Longitude)	
SAMPLE POINT ID	FB-2	TIME (MIL) SAMPLING BEGAN	0905	ORDINATE (Latitude)	
SAMPLE SOURCE CODE		TIME (MIL) SAMPLING FINISHED	0915	ELEVATION	
REFERENCE POINT					

SAMPLING PROCESS

COLLECTION METHOD	Code Grab	Other	SAMPLE TYPE	Code 108	Other Lab Water
TYPE OF SAMPLER	Code	Other	SAMPLE MATRIX	Code	Other
DESCRIPTION					

FIELD MEASUREMENTS

SAMPLE TEMP.	°C	PARAMETER		PARAMETER		PARAMETER
AIR TEMP.	°C	VALUE		VALUE		VALUE
WEATHER						

CHAIN-OF-CUSTODY IMPLEMENTED ☐ YES ☐ NO

PRESERVATION CODE(S) ___ ___ ___ ___ ___

REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	PRECISION & ACCURACY LIMITS	REQUESTED TURNOVER (days)
PP+40				

ANALYSIS(ES) AUTHORIZED BY Paul Zarrillo TITLE HSMS II

ANALYZING LABORATORY

CONTRACT LAB NAME		PERSON ACCEPTING SAMPLE	J Kettinger	TITLE	Sample Custodian
LAB ID #	76-0071-004	LAB CONTROL #		DATE 8/19/86	TIME (MIL) 1830

ORGANICS ANALYSIS DATA SHEET
(PAGE 3)

SAMPLE NUMBER
001276
FB 2

LABORATORY NAME: NANCO LABS, INC.
CASE NO: NJ DEP

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/25/86
Date Analyzed: 9/10/86
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

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

SAMPLE NUMBER
FB-2

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N. J. DEP

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	110543	HEXANE	VOA	22.49	7.5 J
2	-----	UNKNOWN	VOA	26.96	5.4 J
3	-----	UNKNOWN ALKANE	VOA	37.23	27.7 J
4	-----	UNKNOWN	VOA	40.40	11.8 J
5					
6	127184	TETRACHLOROETHENE	BNA	6.66	28.0 JB
7	-----	UNKNOWN ESTER	BNA	30.57	35.0 J
8	117817	1,2 BENZENEDICARBOXYLIC ACID,	BNA	34.27	133.0 J
9		BIS(2-ETHYLHEXYL)ESTER			
10	117817	1,2 BENZENEDICARBOXYLIC ACID,	BNA	34.37	147.0 J
11		BIS(2-ETHYLHEXYL)ESTER			
12	-----	UNKNOWN ESTER	BNA	35.34	44.0 J
13	-----	UNKNOWN ESTER	BNA	35.67	82.0 J
14	-----	UNKNOWN ESTER	BNA	35.89	71.0 J
15	-----	UNKNOWN ESTER	BNA	36.04	29.0 J
16	-----	UNKNOWN ESTER	BNA	36.22	43.0 J
17	-----	UNKNOWN ESTER	BNA	36.28	66.0 J
18	-----	UNKNOWN ESTER	BNA	37.44	25.0 J
19	-----	UNKNOWN ESTER	BNA	37.83	62.0 J
20	-----	UNKNOWN ESTER	BNA	38.08	30.0 J
21					
22					
23					
24					
25					
26					

001275

LABORATORY NAME: NANCO LABS. INC.
CASE NO: NJ DEP

SAMPLE NO.
FB-2

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/22/86
Date Analyzed: 9/05/86
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
34-52-1	4,6-Dinitro-2-Methylphenol	50.0 U
5-30-6	N-Nitrosodiphenylamine (1)	1.9 J
1-55-3	4-Bromophenyl-phenylether	10.0 U
8-74-1	Hexachlorobenzene	10.0 U
-86-5	Pentachlorophenol	50.0 U
-01-8	Phenanthrene	10.0 U
120-12-7	Anthracene	10.0 U
84-74-2	Di-n-Butylphthalate	3.6 JB
206-44-0	Fluoranthene	10.0 U
129-00-0	Pyrene	10.0 U
85-68-7	Butylbenzylphthalate	1.3 J
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	330.0 B
218-01-9	Chrysene	10.0 U
117-84-0	Di-n-Octyl Phthalate	61.0 J
205-99-2	Benzo(b)Fluoranthene	10.0 U
207-08-9	Benzo(k)Fluoranthene	10.0 U
50-32-8	Benzo(a)Pyrene	6.3 J
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

001271

ORGANICS ANALYSIS DATA SHEET
(PAGE 1)

SAMPLE NUMBER
FB-2

Laboratory Name: NANCO LABORATORY INC.
Lab Sample ID No: >P3035
Sample Matrix: WATER
Data Release Authorized By: [signature]

Case No: N. J. DEP
QC Report No: ~~N/A~~ C.O.A
Contract No: N/A
Date Sample Received: 8/19/86

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 8/21/86
Date Analyzed: 8/21/86
Conc/Dil Factor: 1 pH: 7.5
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	13.0 B	124-48-1	Dibromochloromethane	5.0 U
67-64-1	Acetone	8.8 JB	79-00-5	1,1,2-Trichloroethane	5.0 U
75-15-0	Carbon Disulfide	5.0 U	71-43-2	Benzene	1.2 J
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	8.2 JB	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.

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.

INORGANIC ANALYSIS DATA SHEET
FORM I

Lab Name : NANCO LABORATORIES, INC.

Customer : N.J. DEP

Lab Sample ID: J6-0071-004

Lab. Receipt Date: 8/19/86

DEP Sample ID : FB-2

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	NR	13. MAGNESIUM	NR
2. ANTIMONY	50.0 U	14. MANGANESE	180.0
3. ARSENIC	5.0 U	15. MERCURY	0.2 U
4. BARIUM	NR	16. NICKEL	30.0 U
5. BERYLLIUM	2.0 U N	17. POTASSIUM	NR
6. CADMIUM	5.0 U	18. SELENIUM	5.0 U N
7. CALCIUM	NR	19. SILVER	10.0 U
8. CHROMIUM	10.0 U	20. SODIUM	NR
9. COBALT	NR	21. THALLIUM	5.0 U
10. COPPER	10.0 U	22. VANADIUM	NR
11. IRON	47600.0	23. ZINC	10.0 U
12. LEAD	25.0 U	PHENOL	10.0 U
CYANIDE	10.0 U	PRECENT SOLIDS (%)	

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

COMMENTS :

Joan Connolly
LAB MANAGER

Brown?

8/12/86

RECEIVED
AUG 18 1986
Dept. Environmental Protection
Division Water Resources
Bureau Ground Water Discharge Permits

COMBE FILL SOUTH

RESIDENTS TO BE INCLUDED IN AUGUST, 1986 POTABLE WELL SAMPLING

WASHINGTON TOWNSHIP

AW#	NAME	ADDRESS	PHONE #	BLOCK	LOT
	STAUDER	15 SYCAMORE AVE, LIVINGSTON NJ	UNLISTED	42	10-11
12	✓SCHROEDER	BOX 113A, CALIFON NJ	NO LISTING	42	10-12
17	✓MURRAY	36 LONG HILL RD, LONG VALLEY NJ	879-7904	42	10-13
	STRAFACI	569 BAY RIDGE PKWY, BROOKLYN NY	UNLISTED	42	10-14
25	✓JOHNSON	32 LONG HILL Rd			
31	✓DOYKE	120 OLD FARMERS RD, LONG VALLEY	876-3635	37	34-8
32	✓SEASTREAM	124 OLD FARMERS RD, LONG VALLEY	347-6128	37	34-9
5	✓COSTANTINO	100 OLD FARMERS RD, LONG VALLEY	876-3649	37	36-1
10	✓MILLER	98 OLD FARMERS RD, LONG VALLEY	876-4363	37	36-2
14	✓COSTANTINO	108 OLD FARMERS RD, LONG VALLEY	876-3487	37	36-3
15	✓TOTO	114 OLD FARMERS RD, LONG VALLEY	876-4569	37	36-5
27	✓DESCHAK	84 OLD FARMERS RD, LONG VALLEY	876-3960	37	36-9
18	✓PARKS	83 OLD FARMERS RD, LONG VALLEY	876-4669	37	36-10
	CROPLEY	86 OLD FARMERS RD, LONG VALLEY	876-3710	37	36-11
26	✓FOOTE	92 OLD FARMERS RD, LONG VALLEY	876-4658	37	36-12
4	✓ABBOTT	12 EAST GATE, LONG VALLEY			
19	✓LEVICH	8 EAST GATE, LONG VALLEY			
24	✓WALING	4 EAST GATE, LONG VALLEY			
6	✓MITCHELL	199 PARKER RD, LONG VALLEY			
9	✓NAST	161 E VALLEY BROOK RD, LONG VALLEY			
7	✓SCURCI	55 E VALLEY BROOK RD, LONG VALLEY			
21	✓ABELES	169 PARKER RD, LONG VALLEY			
34	✓JAYNE VALLEY FARM	120 E VALLEY BROOK RD, LONG VALLEY			
13	✓DZIURZYNSKI	1 EAST GATE, LONG VALLEY			
33	✓COSTELLO	7 EAST GATE, LONG VALLEY			
1	✓SCRIVENS	151 E VALLEY BROOK RD, LONG VALLEY			
30	✓HELLIAS	E VALLEY BROOK RD, LONG VALLEY			
16	✓MCINTYRE	159 " " " " " "			

CHESTER TOWNSHIP

	NAME	ADDRESS	PHONE #	BLOCK	LOT
	VAN DUERSON	HACKLEBARNEY ROAD, CHESTER	879-5971	16	22
11	✓HEINLEIN	STATE PARK RD, CHESTER	879-5328	16	23
28	✓MENZEL 1045	STATE PARK RD, CHESTER	879-7716	16	13
2	✓GUMZ	1047 STATE PARK RD, CHESTER	879-4797	16	14
20	✓SPINOSA 1046A	STATE PARK RD, CHESTER		16	15
22	✓SCHLEIFMANN	STATE PARK RD, CHESTER	879-7317	16	16
23	✓MURPHY	1039-B STATE PARK RD, CHESTER	879-7929	16	19
	NABBE	STATE PARK RD, CHESTER	879-4751	16	20
3	✓RUFF	STATE PARK RD, CHESTER	879-5493	16	5.1
8	✓COLE 1050	STATE PARK RD, CHESTER	879-5063	16	5.3
29	✓RAM	SCHOOLHOUSE LANE, CHESTER		17	44.01

APPENDIX Z

CHEMICALS IN AIR AT COMBE FILL SOUTH LANDFILL

CHEMICAL	CARCINOGENIC (C) MUTAGENIC (M) TERATOGENIC (T)	UNIT CANCER RISK 1.0xE-06	NJ AMBIENT AIR OR MAINTENANCE AREA CRITERIA (ug/m3)
PRIORITY POLLUTANTS			
Volatiles			160 (b)
Benzene	C?,M	6.9	-
Ethylbenzene	NO	-	-
Methylene Chloride	C?	0.18	-
Tetrachloroethylene	C	1.7	-
Toluene	NO	-	-
Trichloroethylene	C	4.1	-
Base/Neutrals			
bis(2-Ethylhexyl)phthalate	C?	0.13	-
Diethyl phthalate	-	-	-
Di-n-butylphthalate	C	0.13	-
Metals			
Antimony	-	-	-
Beryllium	C?,M	-	-
Cadmium	C?,M,T	-	-
Chromium	C,M	-	-
Copper	M (salts)	-	-
Lead	C?,M,T	-	1.5 (a)
Nickel	-	-	-
Zinc	C?,M?,T?	-	-
NON-PRIORITY POLLUTANTS (QUANTIFIED)			
Volatiles			
Acetone	-	-	-
2-Butanone	-	-	-
Xylenes	-	-	-
4-Methyl-2-Pentanone	-	-	
TENTATIVELY IDENTIFIED HALOGENATED COMPOUNDS			
1-Chloro-2-propanone			

\- No published information
i Insufficient data available to determine
? Possible, data still under review
NO Not carcinogen nor mutagen nor teratogen
(a) Quarterly mean averaging period
(b) Non-methane hydrocarbons, primary and secondary standards; 6-9 A.M. averaging period not to be exceeded more than once per twelve months

NOTES: Upwind and downwind stations defined during specific sampling days.
Increase risk of cancer from breathing as defined by USPHS/NIOSH.

Carbon Disulifide (a non priority volatile) was also found.

COMBE FILL SOUTH
POTABLE WELL DATA SAMPLE NUMBERS
27-May-86

SAMPLE NUMBER	NAME
L2320	ABBOTT
L2322	MURRAY
L2323	JAGGERS
L2324	KLEUPFEL
L2325	CHURCH OF MESSIAH
L2326	ANTHONY
L2327	TINGUE
L2328	HARRINGTON
L2329	HEDDERICK
L2330	ABELES
L2331	LEVERWIRTH
L2332	PRICE
L2333	RAM
L2334	FLEDDERMAN
L2335	SCRIEVENS
L2336	KEATING
L2337	SULLIVAN
L2338	CLEVELAND
L2339	NAST
L2340	YAWGER
L2341	PELLETIER
L2342	BENNET
L2343	JAYNE VALLEY FARMS
L2344	EARLY CHILDHOOD CENTER
L2345	COTE
L2346	MITCHELL
L2347	PEARSON SCHOOLHOUSE
L2348	JAYNE VALLEY FARMS
L2359	TRIP BLANK
L2360	TRIP BLANK
L2363	FIELD BLANK
L2364	FIELD BLANK
L3368	SEALS GARAGE APT.
L3369	SEALS FRONT BUILDING
L3371	FIELD BLANK
L3372	TRIP BLANK