Form ADM-015
11/82

State of New Jersey
Department of Environmental Protection

REFERRAL FORM

Date 8/10/88

TO
PAT EVANGELISTA,
US EPA

FROM
PAUL HARVEY, NJDEP
Bur. of Fed. Case Management
TELEPHONE EXT. 609- 633-0701

For Your ☐ ACTION ☐ APPROVAL ☒ INFORMATION ☐ REVIEW
☐ COMMENTS ☐ SIGNATURE ☐ FILE ☐ _____

Here is the info you requested so that the site can be evaluated. The most important data is here, of course this isn't everything.

Call me if you have any questions or need other info.

P.H.

507601

Form DEP-016
9/83

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF ENVIRONMENTAL LABORATORIES
380 SCOTCH ROAD, TRENTON, N.J. 08628

REQUEST FOR ANALYSIS

2 Bubbles

LAB USE ONLY
LAB CONTROL NO. 3120
LOCATION CODE

SAMPLING LOCATION
County MIDDLESEX Municipality OLD BRIDGE TWP.
Site CPS/MADISON

FIELD SAMPLE NO.	SAMPLE TYPE	COLLECTION DATE (Year Month Day)	MILITARY TIME
B00491	STREAM	84 06 20	1045

RESPONSIBLE AGENCY: CENTRAL REGION
ACCOUNT NO.

PERSON AUTHORIZED TO REQUEST ANALYSIS: PAUL HARVEY
TITLE: S.E.S.
PRESERVED: ☑ Yes ☐ No
Chain of Custody Implemented: ☐ Yes ☑ No
SEND RESULTS TO: PAUL HARVEY
PHONE NO. 2-0686
NAME & ADDRESS OF UNIT: DWR CENTRAL REGION

REMARKS: PRICKETTS BROOK JUST DOWNSTREAM OF MADISON'S FENCE.
240

LAB USE ONLY
PRICE LIST
☐ A
☐ B
☐ C
☐ D
☐ E
☐ F
☐ OTHER _____ (hours)

I. Organics
- ☑ A. Halogenated and Aromatic Volatiles
- ☐ B. Volatiles
- ☐ C. Trihalomethanes
- ☐ D. Pesticides/PCB's
- ☐ E. PCB's
- ☐ F. Base-Neutral/Acid Extractables
- ☐ G. Pesticides, Drinking Water
- ☐ H. Herbicides, Drinking Water

2 Bottles Have Bubbles N.T.

II. Inorganics
- ☐ A. Metals, Drinking Water ☐ Primary ☐ Secondary
- ☐ B. Metals, Priority Pollutant
- ☐ C. Metals Scan
- ☐ D. Metals, Water Pollution, specify: _____

III. Limited Chemistry
- ☐ A. Total Cyanide
- ☐ B. Total Phenol
- ☐ C. Sulfate
- ☐ D. Nitrate

IV. RCRA
- ☐ A. EP Toxicity ☐ Metals ☐ Pesticides ☐ Herbicides
- ☐ B. Ignitibility
- ☐ C. Corrosivity ☐ pH ☐ Coupon

V. Other (Specify) METALS - Zn, Pb, Cd, Cu

COPIES: White - Data File Canary - Data File (client's copy) Pink - Sample Custodian Gold - Sample Receipt

Form DEP 022 A
4/84

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF ENVIRONMENTAL LABORATORIES

QUANTITATIVE RESULTS & QUALITY ASSURANCE DATA

LAB CONTROL # 3120 SAMP E TYPE Stream FIELD SAMPLE # B00491 REPORT DATE 6/29/84

SECTION SUPERVISOR NL LA . SUPERVISOR [illegible] DUPLICATE LC# 3090 MATRIX SPIKE LC# 3120

HALOGENATED AND AROMATIC VOLATILES[1]	SAMPLE DATA		QUALITY CONTROL DATA				
				LAB. DUPLICATE		MATRIX SPIKE	
PARAMETER	SAMPLE CONCEN. µg/l	MDL[2] µg/l	METHOD BLANK µg/l	µg/l	% DIFF.	CONCEN. ADDED µg/l	% RECOVERY
Bromodichloromethane	nd	0.36	nd	nd	na		
Bromoform		1.10				18.5	76
Bromomethane		1.30					
Carbon tetrachloride		0.29				10.0	115
Chlorobenzene		0.73					
Chloroethane		0.59			0		
2-Chloroethylvinyl ether		1.20		0.0	0		
Chloroform		0.20		78.6	5.3	48.4	117
Chloromethane		0.62		nd	na		
Dibromochloromethane		0.66				20.0	111
1,2-Dichlorobenzene		0.50					
1,3-Dichlorobenzene		0.56					
1,4-Dichlorobenzene		0.51					
Dichlorodifluoromethane		1.30					
1,1-Dichloroethane		0.38				9.6	103
1,2-Dichloroethane	10.5	0.35					
1,1-Dichloroethene	nd	0.81					
trans-1,2-Dichloroethene		0.36					
1,2-Dichloropropane		0.44					
cis-1,3-Dichloropropene		0.35					
trans-1,3-Dichloropropene		0.44					
Methylene chloride		0.29					

LC# 3120

PARAMETER	SAMPLE DATA		QUALITY CONTROL DATA				
				LAB. DUPLICATE		MATRIX SPIKE	
	SAMPLE CONCEN. µg/l	MDL[2] µg/l	METHOD BLANK µg/l	µg/l	% DIFF.	CONCEN. ADDED µg/l	% RECOVERY
1,1,2,2-Tetrachloroethane	nd	0.52	nd	nd	na		
Tetrachloroethene	↓	0.85	↓	↓	↓		
1,1,1-Trichloroethane	↓	0.53	↓	↓	↓	9.7	125
1,1,2-Trichloroethane	↓	0.35	↓	↓	↓		
Trichloroethene	1.14	0.34	↓	↓	↓		
Trichlorofluoromethane	nd	0.33	↓	↓	↓		
Vinyl chloride	nd	1.30	↓	↓	↓		
Benzene	4.60	0.64	↓	↓	↓	19.3	87
Ethylbenzene	nd	1.40	↓	↓	↓		
Toluene	↓	0.88	↓	↓	↓	20.3	84

[1] Methods Reference: EPA 600/4-82-057, EMSL Cincinnati, OH, 45268, July 82: PTS SOP 7.1.2-.3

[2] BEL Established Method Detection Limits.

II–GC SURROGATE RECOVERY DATA

COMPOUNDS	CONCENTRATION ADDED TO SAMPLE MATRIX µg/l	% RECOVERY	CONTROLS LIMITS % LOWER	UPPER	QUALIFIED*
Bromochloromethane	20.0	89	59	103	
2-Bromo-1-Chloropropane	20.0	108	53	108	
1-4-Dichlorobutane	20.0	97	50	148	
α,α,α-Trifluorotolunene	23.5	85	50	142	

* IF DATA IS QUALIFIED SEE COMMENTS BELOW:

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF ENVIRONMENTAL LABORATORIES
QUANTITATIVE RESULTS & QUALITY ASSURANCE DATA

LAB. CONTROL #: 3130 SAMPLE TYPE: water FIELD SAMPLE #: B00491
REPORT DATE: 7/3/84 SECTION SUPERVISOR: [illegible] LAB. SUPERVISOR: [illegible]
DUPLICATE LC#: 3139 MATRIX SPIKE LC#: 2851

PRIMARY AND SECONDARY* METALS[1] PARAMETER	RESULTS SAMPLE DATA SAMPLE CONCEN. µg/ml	MDL[3] µg/ml	QUALITY CONTROL DATA METHOD BLANK µg/ml	LAB. DUPLICATE FIRST µg/	SECOND µg/	% DIFF.	MATRIX SPIKE CONCEN. ADDED µg/	% RECOV
ARSENIC								
BARIUM								
CADMIUM	0.02	0.01	<0.01	0.02		0	1.0	98
CHROMIUM								
COPPER*	0.53	0.05	<0.05					
IRON*								
LEAD	ND	0.05	<0.05	0.08		7.0	1.0	93
MANGANESE*								
MERCURY								
SELENIUM								
SILVER								
SODIUM*								
ZINC*	4.70	0.01	<0.01	0.15		6.0	1.0	93
OTHER METALS[2]								

[1]Methods Reference: EPA-600/4-79-020, revised March, 1983 for water and wastewater.
EPA SDW-846, second edition, July, 1982 for soil, sediment and sludge.

[2]Methods Reference: EPA FR Dec. 3, 1979 for ICP results.

[3]B.E.L. established Method Detection Limits

ND = NONE Detected

Form DEP-016
9/83

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF ENVIRONMENTAL LABORATORIES
380 SCOTCH ROAD, TRENTON, N.J. 08628

LAB USE ONLY

LAB CONTROL NO. 3119

LOCATION CODE

1 Bubble

REQUEST FOR ANALYSIS

SAMPLING LOCATION
County MIDDLESEX Municipality OLD BRIDGE TWP.
Site CPS/MADISON

FIELD SAMPLE NO.	SAMPLE TYPE	COLLECTION DATE (Year Month Day)	MILITARY TIME
B00492	STREAM	84 06 20	1115

RESPONSIBLE AGENCY: CENTRAL REGION

ACCOUNT NO.

PERSON AUTHORIZED TO REQUEST ANALYSIS: PAUL HARVEY
TITLE: S.E.S.
PRESERVED: ☑ Yes ☐ No
Chain of Custody Implemented: ☐ Yes ☑ No

SEND RESULTS TO: PAUL HARVEY
PHONE NO. 2-0686

NAME & ADDRESS OF UNIT: DWR CENTRAL REGION

REMARKS: PRICKETTS BROOK AS IT DISCHARGES TO PRICKETTS POND.

24D

LAB USE ONLY

PRICE LIST
☐ A
☐ B
☐ C
☐ D
☐ E
☐ F
☐ OTHER _____ (hours)

I. Organics
- ☑ A. Halogenated and Aromatic Volatiles
- ☐ B. Volatiles
- ☐ C. Trihalomethanes
- ☐ D. Pesticides/PCB's
- ☐ E. PCB's
- ☐ F. Base-Neutral/Acid Extractables
- ☐ G. Pesticides, Drinking Water
- ☐ H. Herbicides, Drinking Water

2 Bottles Have Bubbles N.T.

II. Inorganics
- ☐ A. Metals, Drinking Water ☐ Primary ☐ Secondary
- ☐ B. Metals, Priority Pollutant
- ☐ C. Metals Scan
- ☐ D. Metals, Water Pollution, specify: _____

III. Limited Chemistry
- ☐ A. Total Cyanide
- ☐ B. Total Phenol
- ☐ C. Sulfate
- ☐ D. Nitrate

IV. RCRA
- ☐ A. EP Toxicity ☐ Metals ☐ Pesticides ☐ Herbicides
- ☐ B. Ignitibility
- ☐ C. Corrosivity ☐ pH ☐ Coupon

V. Other (Specify) METALS - Zn, Pb, Cd, Cu

COPIES: White - Data File Canary - Data File (client's copy) Pink - Sample Custodian Gold - Sample Receipt

Form DEP 022 A
4/84

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF ENVIRONMENTAL LABORATORIES

QUANTITATIVE RESULTS & QUALITY ASSURANCE DATA

LAB CONTROL # 3119 SAMPLE TYPE Stream FIELD SAMPLE # B00492 REPORT DATE 6/29/84

SECTION SUPERVISOR NL LAB. SUPERVISOR [illegible] DUPLICATE LC# 3090 MATRIX SPIKE LC# 3091

HALOGENATED AND AROMATIC VOLATILES[1]	SAMPLE DATA		QUALITY CONTROL DATA				
				LAB. DUPLICATE		MATRIX SPIKE	
PARAMETER	SAMPLE CONCEN. µg/l	MDL[2] µg/l	METHOD BLANK µg/l	µg/l	% DIFF.	CONCEN. ADDED µg/l	% RECOVERY
Bromodichloromethane	ND	0.36	ND	nd	na		
Bromoform		1.10				18.5	89
Bromomethane		1.30					
Carbon tetrachloride		0.29				10.0	98
Chlorobenzene	14.2	0.73					
Chloroethane	ND	0.59					
2-Chloroethylvinyl ether		1.20					
Chloroform		0.20		18.6	5.3	48.4	130
Chloromethane		0.62		nd	na		
Dibromochloromethane		0.66				20.0	94
1,2-Dichlorobenzene	38.0	0.50					
1,3-Dichlorobenzene	15.7	0.56					
1,4-Dichlorobenzene	35.0	0.51					
Dichlorodifluoromethane	ND	1.30					
1,1-Dichloroethane		0.38				9.6	90
1,2-Dichloroethane	277	0.35					
1,1-Dichloroethene	ND	0.81					
trans-1,2-Dichloroethene		0.36					
1,2-Dichloropropane		0.44					
cis-1,3-Dichloropropene		0.35					
trans-1,3-Dichloropropene		0.44					
Methylene chloride	1248	0.29					

LC# 3119

PARAMETER	SAMPLE DATA		QUALITY CONTROL DATA				
				LAB. DUPLICATE		MATRIX SPIKE	
	SAMPLE CONCEN. µg/l	MDL[2] µg/l	METHOD BLANK µg/l	µg/l	% DIFF.	CONCEN. ADDED µg/l	% RECOVERY
1,1,2,2-Tetrachloroethane	nd	0.52	nd	na	na		
Tetrachloroethene		0.85					
1,1,1-Trichloroethane		0.53				9.7	101
1,1,2-Trichloroethane		0.35					
Trichloroethene	23.8	0.34					
Trichlorofluoromethane	nd	0.33					
Vinyl chloride	8.10	1.30					
Benzene	71.0	0.64				19.3	103
Ethylbenzene	25.9	1.40					
Toluene	141	0.88				20.3	89

[1] Methods Reference: EPA 600/4-82-057, EMSL Cincinnati, OH, 45268, July 82: PTS SOP 7.1.2-.3

[2] BEL Established Method Detection Limits.

II–GC SURROGATE RECOVERY DATA					
COMPOUNDS	CONCENTRATION ADDED TO SAMPLE MATRIX µg/l	% RECOVERY	CONTROLS LIMITS % LOWER	UPPER	QUALIFIED*
Bromochloromethane	20.0	94	59	103	
2-Bromo-1-Chloropropane	20.0	86	53	108	
1-4-Dichlorobutane	20.0	81	50	148	
α,α,α-Trifluorotolunene	23.5	68	50	142	

* IF DATA IS QUALIFIED SEE COMMENTS BELOW:

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF ENVIRONMENTAL LABORATORIES
QUANTITATIVE RESULTS & QUALITY ASSURANCE DATA

LAB. CONTROL #: 3119 SAMPLE TYPE: Water FIELD SAMPLE #: B00492
REPORT DATE: 7/3/84 SECTION SUPERVISOR: [illegible] LAB. SUPERVISOR: [illegible]
DUPLICATE LC#: 3139 MATRIX SPIKE LC#: 2851

PRIMARY AND SECONDARY* METALS[1]	RESULTS SAMPLE DATA		QUALITY CONTROL DATA					
				LAB. DUPLICATE			MATRIX SPIKE	
PARAMETER	SAMPLE CONCEN. µg/mL	MDL[3] µg/mL	METHOD BLANK µg/mL	FIRST µg/	SECOND µg/	% DIFF.	CONCEN. ADDED µg/	% RECOV
ARSENIC								
BARIUM								
CADMIUM	0.01	0.01	<0.01	0.07		0	1.0	98
CHROMIUM								
COPPER*	0.29	0.05	<0.05					
IRON*								
LEAD	ND	0.05	<0.05	0.08		7.0	1.0	93
MANGANESE*								
MERCURY								
SELENIUM								
SILVER								
SODIUM*								
ZINC*	5.00	0.01	<0.01	0.15		6.0	1.0	93
OTHER METALS[2]								

[1]Methods Reference: EPA-600/4-79-020, revised March, 1983 for water and wastewater.
EPA SDW-846, second edition, July, 1982 for soil, sediment and sludge.

[2]Methods Reference: EPA FR Dec. 3, 1979 for ICP results.

[3]B.E.L. established Method Detection Limits

ND = None Detected

Form DEP-016
9/83

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF ENVIRONMENTAL LABORATORIES
380 SCOTCH ROAD, TRENTON, N.J. 08628

LAB USE ONLY

LAB CONTROL NO. 3118

LOCATION CODE

1 Bubble

REQUEST FOR ANALYSIS

SAMPLING LOCATION
County: MIDDLESEX. Municipality: OLD BRIDGE TWP.
Site: CPS/MADISON

FIELD SAMPLE NO.	SAMPLE TYPE	COLLECTION DATE (Year Month Day)	MILITARY TIME
B00493	STREAM	84 06 20	1300

RESPONSIBLE AGENCY: CENTRAL REGION

ACCOUNT NO.:

PERSON AUTHORIZED TO REQUEST ANALYSIS	TITLE	PRESERVED	Chain of Custody Implemented
PAUL HARVEY	S.E.S.	☑ Yes ☐ No	☐ Yes ☑ No

SEND RESULTS TO: PAUL HARVEY
PHONE NO. 2-0686

NAME & ADDRESS OF UNIT: DWR CENTRAL REGION

REMARKS: BRICKETT'S BROOK AT THE DISCHARGE FROM BRICKETTS POND.
24D

LAB USE ONLY

PRICE LIST
- ☐ A
- ☐ B
- ☐ C
- ☐ D
- ☐ E
- ☐ F
- ☐ OTHER _____ (hours)

I. Organics
- ☑ A. Halogenated and Aromatic Volatiles
- ☐ B. Volatiles
- ☐ C. Trihalomethanes
- ☐ D. Pesticides/PCB's
- ☐ E. PCB's
- ☐ F. Base-Neutral/Acid Extractables
- ☐ G. Pesticides, Drinking Water
- ☐ H. Herbicides, Drinking Water

2 Bottles Have Bubbles NT.

II. Inorganics
- ☐ A. Metals, Drinking Water ☐ Primary ☐ Secondary
- ☐ B. Metals, Priority Pollutant
- ☐ C. Metals Scan
- ☐ D. Metals, Water Pollution, specify: _____

III. Limited Chemistry
- ☐ A. Total Cyanide
- ☐ B. Total Phenol
- ☐ C. Sulfate
- ☐ D. Nitrate

IV. RCRA
- ☐ A. EP Toxicity ☐ Metals ☐ Pesticides ☐ Herbicides
- ☐ B. Ignitibility
- ☐ C. Corrosivity ☐ pH ☐ Coupon

V. Other (Specify): METALS - Zn, Pb, Cd, Cu

COPIES: White - Data File; Canary - Data File (client's copy); Pink - Sample Custodian; Gold - Sample Receipt

Form DEP 022 A
4/84

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF ENVIRONMENTAL LABORATORIES

QUANTITATIVE RESULTS & QUALITY ASSURANCE DATA

LAB CONTROL # 3118 SAMPLE TYPE Stream FIELD SAMPLE # B00493 REPORT DATE July 5, 1984

SECTION SUPERVISOR NL LAB. SUPERVISOR [illegible] DUPLICATE LC# 3090 MATRIX SPIKE LC# 3091

HALOGENATED AND AROMATIC VOLATILES[1]	SAMPLE DATA		QUALITY CONTROL DATA				
				LAB. DUPLICATE		MATRIX SPIKE	
PARAMETER	SAMPLE CONCEN. µg/l	MDL[2] µg/l	METHOD BLANK µg/l	µg/l	% DIFF.	CONCEN. ADDED µg/l	% RECOVERY
Bromodichloromethane	nd	0.36	nd	nd	na		
Bromoform		1.10				18.5	89
Bromomethane		1.30					
Carbon tetrachloride		0.29				10.0	98
Chlorobenzene		0.73					
Chloroethane		0.59					
2-Chloroethylvinyl ether		1.20					
Chloroform		0.20		18.6	5.3	48.4	130
Chloromethane		0.62		nd	na		
Dibromochloromethane		0.66				20.0	94
1,2-Dichlorobenzene		0.50					
1,3-Dichlorobenzene		0.56					
1,4-Dichlorobenzene		0.51					
Dichlorodifluoromethane		1.30					
1,1-Dichloroethane		0.38				9.6	90
1,2-Dichloroethane	28.1	0.35					
1,1-Dichloroethene	nd	0.81					
trans-1,2-Dichloroethene		0.36					
1,2-Dichloropropane		0.44					
cis-1,3-Dichloropropene		0.35					
trans-1,3-Dichloropropene		0.44					
Methylene chloride	732	0.29					

LC# 3118

PARAMETER	SAMPLE DATA		QUALITY CONTROL DATA				
				LAB. DUPLICATE		MATRIX SPIKE	
	SAMPLE CONCEN. µg/l	MDL[2] µg/l	METHOD BLANK µg/l	µg/l	% DIFF.	CONCEN. ADDED µg/l	% RECOVERY
1,1,2,2-Tetrachloroethane	nd	0.52	nd	nd	na		
Tetrachloroethene	↓	0.85	↓	↓	↓		
1,1,1-Trichloroethane	↓	0.53	↓	↓	↓	9.7	101
1,1,2-Trichloroethane	↓	0.35	↓	↓	↓		
Trichloroethene	2.74	0.34	↓	↓	↓		
Trichlorofluoromethane	nd	0.33	↓	↓	↓		
Vinyl chloride	↓	1.30	↓	↓	↓		
Benzene	↓	0.64	↓	↓	↓	19.3	103
Ethylbenzene	↓	1.40	↓	↓	↓	↓	↓
Toluene	12.6	0.88	↓	↓	↓	20.3	89

1 Methods Reference: EPA 600/4-82-057, EMSL Cincinnati, OH, 45268, July 82: PTS SOP 7.1.2-.3

2 BEL Established Method Detection Limits.

II–GC SURROGATE RECOVERY DATA					
COMPOUNDS	CONCENTRATION ADDED TO SAMPLE MATRIX µg/l	% RECOVERY	CONTROLS LIMITS % LOWER	UPPER	QUALIFIED*
Bromochloromethane	20.0	89	59	103	
2-Bromo-1-Chloropropane	20.0	83	53	108	
1-4-Dichlorobutane	20.0	99	50	148	
α,α,α-Trifluorotolunene	23.5	101	50	142	

* IF DATA IS QUALIFIED SEE COMMENTS BELOW:

BUREAU OF ENVIRONMENTAL LABORATORIES
QUANTITATIVE RESULTS & QUALITY ASSURANCE DATA

LAB. CONTROL #: 3118 SAMPLE TYPE: Water FIELD SAMPLE #: B00453
REPORT DATE: 7/3/84 SECTION SUPERVISOR: [illegible] LAB. SUPERVISOR: [illegible]
DUPLICATE LC#: 3139 MATRIX SPIKE LC#: 2851

PRIMARY AND SECONDARY* METALS[1] PARAMETER	RESULTS SAMPLE DATA SAMPLE CONCEN. µg/mL	MDL[3] µg/mL	QUALITY CONTROL DATA METHOD BLANK µg/mL	LAB. DUPLICATE FIRST µg/	SECOND µg/	% DIFF.	MATRIX SPIKE CONCEN. ADDED µg/	% RECOV
ARSENIC								
BARIUM								
CADMIUM	0.01	0.01	<0.01	0.02		0	1.0	98
CHROMIUM								
COPPER*	0.16	0.05	<0.05					
IRON*								
LEAD	ND	0.05	<0.05	0.08		7.0	1.0	93
MANGANESE*								
MERCURY								
SELENIUM								
SILVER								
SODIUM*								
ZINC*	3.00	0.01	<0.01	0.15		6.0	1.0	93
OTHER METALS[2]								

[1]Methods Reference: EPA-600/4-79-020, revised March, 1983 for water and wastewater.
EPA SDW-846, second edition, July, 1982 for soil, sediment and sludge.

[2]Methods Reference: EPA FR Dec. 3, 1979 for ICP results.

[3]B.E.L. established Method Detection Limits

ND = None Detected

Form DEP-016
9/83

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF ENVIRONMENTAL LABORATORIES
380 SCOTCH ROAD, TRENTON, N.J. 08628

1 Bubble

REQUEST FOR ANALYSIS

LAB USE ONLY
LAB CONTROL NO. 3121
LOCATION CODE

SAMPLING LOCATION
County MIDDLESEX Municipality OLD BRIDGE TWP.
Site CPS/MADISON

FIELD SAMPLE NO.	SAMPLE TYPE	COLLECTION DATE (Year Month Day)	MILITARY TIME
B00494	STREAM	84 06 20	1330

RESPONSIBLE AGENCY: CENTRAL REGION
ACCOUNT NO.

PERSON AUTHORIZED TO REQUEST ANALYSIS: PAUL HARVEY
TITLE: S.E.S.
PRESERVED: ☑ Yes ☐ No
Chain of Custody Implemented: ☐ Yes ☑ No
SEND RESULTS TO: PAUL HARVEY
PHONE NO. 2-0686
NAME & ADDRESS OF UNIT: DWR CENTRAL REGION

REMARKS: PRICKETTS BROOK AT ROAD CROSSING BEHIND WATER PLANT— EAST SIDE
24D

LAB USE ONLY
PRICE LIST
☐ A
☐ B
☐ C
☐ D
☐ E
☐ F
☐ OTHER ____ (hours)

I. Organics
- ☑ A. Halogenated and Aromatic Volatiles
- ☐ B. Volatiles
- ☐ C. Trihalomethanes
- ☐ D. Pesticides/PCB's
- ☐ E. PCB's
- ☐ F. Base-Neutral/Acid Extractables
- ☐ G. Pesticides, Drinking Water
- ☐ H. Herbicides, Drinking Water

1 Bottle Has Bubbles

II. Inorganics
- ☐ A. Metals, Drinking Water ☐ Primary ☐ Secondary
- ☐ B. Metals, Priority Pollutant
- ☐ C. Metals Scan
- ☐ D. Metals, Water Pollution, specify: ____

III. Limited Chemistry
- ☐ A. Total Cyanide
- ☐ B. Total Phenol
- ☐ C. Sulfate
- ☐ D. Nitrate

IV. RCRA
- ☐ A. EP Toxicity ☐ Metals ☐ Pesticides ☐ Herbicides
- ☐ B. Ignitibility
- ☐ C. Corrosivity ☐ pH ☐ Coupon

V. Other (Specify) METALS— Zn, Pb, Cd, Cu

COPIES: White - Data File Canary - Data File (client's copy) Pink - Sample Custodian Gold - Sample Receipt

Form DEP 022 A
4/84

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF ENVIRONMENTAL LABORATORIES

QUANTITATIVE RESULTS & QUALITY ASSURANCE DATA

LAB CONTROL # 3121 SAMPLE TYPE Stream FIELD SAMPLE # B00494 REPORT DATE 6/29/84

SECTION SUPERVISOR NL L. B. SUPERVISOR [illegible] DUPLICATE LC# 3090 MATRIX SPIKE LC# 3120

HALOGENATED AND AROMATIC VOLATILES[1]	SAMPLE DATA		QUALITY CONTROL DATA				
				LAB. DUPLICATE		MATRIX SPIKE	
PARAMETER	SAMPLE CONCEN. µg/l	MDL[2] µg/l	METHOD BLANK µg/l	µg/l	% DIFF.	CONCEN. ADDED µg/l	% RECOVERY
Bromodichloromethane	nd	0.36	nd	nd	na		
Bromoform		1.10				18.5	76
Bromomethane		1.30					
Carbon tetrachloride		0.29				10.0	115
Chlorobenzene	4.57	0.73					
Chloroethane	nd	0.59					
2-Chloroethylvinyl ether		1.20					
Chloroform		0.20		18.6	5.3	48.4	117
Chloromethane		0.62		nd	na		
Dibromochloromethane		0.66				20.0	111
1,2-Dichlorobenzene	3.43	0.50					
1,3-Dichlorobenzene	nd	0.56					
1,4-Dichlorobenzene	3.33	0.51					
Dichlorodifluoromethane	nd	1.30					
1,1-Dichloroethane		0.38				9.6	103
1,2-Dichloroethane	36.0	0.35					
1,1-Dichloroethene	nd	0.81					
trans-1,2-Dichloroethene		0.36					
1,2-Dichloropropane		0.44					
cis-1,3-Dichloropropene		0.35					
trans-1,3-Dichloropropene		0.44					
Methylene chloride	776	0.29					

LC# 3121

PARAMETER	SAMPLE DATA		QUALITY CONTROL DATA				
				LAB. DUPLICATE		MATRIX SPIKE	
	SAMPLE CONCEN. µg/l	MDL[2] µg/l	METHOD BLANK µg/l	µg/l	% DIFF.	CONCEN. ADDED µg/l	% RECOVERY
1,1,2,2-Tetrachloroethane	nd	0.52	nd	nd	no		
Tetrachloroethene		0.85					
1,1,1-Trichloroethane		0.53				9.7	125
1,1,2-Trichloroethane		0.35					
Trichloroethene	1.77	0.34					
Trichlorofluoromethane	nd	0.33					
Vinyl chloride	nd	1.30					
Benzene	10.1	0.64				19.3	87
Ethylbenzene	3.58	1.40					
Toluene	22.0	0.88				20.3	84

[1] Methods Reference: EPA 600/4-82-057, EMSL Cincinnati, OH, 45268, July 82: PTS SOP 7.1.2-.3

[2] BEL Established Method Detection Limits.

II–GC SURROGATE RECOVERY DATA

COMPOUNDS	CONCENTRATION ADDED TO SAMPLE MATRIX µg/l	% RECOVERY	CONTROLS LIMITS % LOWER	UPPER	QUALIFIED*
Bromochloromethane	20.0	94	59	103	
2-Bromo-1-Chloropropane	20.0	100	53	108	
1-4-Dichlorobutane	20.0	86	50	148	
α,α,α-Trifluorotolunene	23.5	100	50	142	

* IF DATA IS QUALIFIED SEE COMMENTS BELOW:

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF ENVIRONMENTAL LABORATORIES
QUANTITATIVE RESULTS & QUALITY ASSURANCE DATA

LAB. CONTROL #: 3121 SAMPLE TYPE: Water FIELD SAMPLE #: B00494
REPORT DATE: 7/3/84 SECTION SUPERVISOR: [illegible] LAB. SUPERVISOR: [illegible]
DUPLICATE LC#: 3139 MATRIX SPIKE LC#: 2851

PRIMARY AND SECONDARY* METALS[1] PARAMETER	RESULTS SAMPLE DATA SAMPLE CONCEN. µg/mL	MDL[3] µg/mL	QUALITY CONTROL DATA METHOD BLANK µg/mL	LAB. DUPLICATE FIRST µg/	SECOND µg/	% DIFF.	MATRIX SPIKE CONCEN. ADDED µg/	% RECOV
ARSENIC								
BARIUM								
CADMIUM	0.01	0.01	<0.01	0.02		0	1.0	98
CHROMIUM								
COPPER*	0.31	0.05	<0.05					
IRON*								
LEAD	ND	0.05	<0.05	0.08		7.0	1.0	93
MANGANESE*								
MERCURY								
SELENIUM								
SILVER								
SODIUM*								
ZINC*	3.30	0.01	<0.01	0.15		60.0	1.0	93
OTHER METALS[2]								

[1]Methods Reference: EPA-600/4-79-020, revised March, 1983 for water and wastewater.
EPA SDW-846, second edition, July, 1982 for soil, sediment and sludge.

[2]Methods Reference: EPA FR Dec. 3, 1979 for ICP results.

[3]B.E.L. established Method Detection Limits

ND = None Detected