Asbestos • Lead • Environmental • Materials & Indoor Air Analysis

EMSL ANALYTICAL, INC.

http://www.emsl.com

Corporate Office & Lab
107 Haddon Avenue
Westmont, NJ 08108
1-800-220-3675

SDMS DocID 2241241

ORIGINAL

ANALYTICAL DATA REPORT
FOR
TETRA TECH EMI
107 Chelsea Parkway
Boothwyn, PA 19061

PROJECT : **03-0010-L02**

EMSL Project: 010010643

Field Sample No. & Location	Laboratory Sample ID	Matrix	Date & Time of Collection	Date Received
TP-A Test pit A (just behind south end of sea wall)	**010010643-0001**	**Solid**	**10/17/00 @ 1425**	**10/19/00**
SW-1 Adjacent to sea wall on creek side	**010010643-0002**	**Solid**	**10/18/00 @ 1150**	**10/19/00**

Laboratory Name	EMSL ANALYTICAL, INC.
Certification No.	NJDEPE No. 04653
Laboratory Manager	(b) (4) [redacted]
Date	10-26-00

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
10643-1

ORIGINAL

Lab Name: EMSL ANALYTICAL
Contract:
Project No.:
Site:
Location:
Group:
Matrix: (soil/water) SOIL
Lab Sample ID: 10643-1
Sample wt/vol: 5.0 (g/mL) G
Lab File ID: D2700.D
Level: (low/med) LOW
Date Received:
% Moisture: not dec. 28
Date Analyzed: 10/19/00
GC Column: RTX-624 X 75M ID: 0.53 (mm)
Dilution Factor: 1.0
Soil Extract Volume: (uL)
Soil Aliquot Volume: (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound		Q
75-71-8	Dichlorodifluoromethane	14	U
74-87-3	Chloromethane	14	U
75-01-4	Vinyl chloride	14	U
74-83-9	Bromomethane	14	U
75-00-3	Chloroethane	14	U
75-69-4	Trichlorofluoromethane	14	U
75-35-4	1,1-Dichloroethene	7	U
67-64-1	Acetone	14	U
75-15-0	Carbon disulfide	14	U
75-09-2	Methylene chloride	7	U
156-60-65	trans-1,2-Dichloroethene	7	U
75-34-3	1,1-Dichloroethane	7	U
594-20-7	2,2-Dichloropropane	7	U
156-59-2	cis-1,2-Dichloroethene	7	U
78-93-3	2-Butanone	14	U
74-97-1	Bromochloromethane	7	U
67-66-3	Chloroform	7	U
71-55-6	1,1,1-Trichloroethane	7	U
56-23-1	Carbon tetrachloride	7	U
563-58-6	1,1-Dichloropropene	7	U
71-43-2	Benzene	7	U
107-06-2	1,2-Dichloroethane	7	U
79-01-6	Trichloroethene	7	U
78-87-1	1,2-Dichloropropane	7	U
74-95-3	Dibromomethane	7	U
75-27-4	Bromodichloromethane	7	U
10061-01-1	cis-1,3-Dichloropropene	7	U
108-10-1	4-Methyl-2-pentanone	14	U
108-88-3	Toluene	7	U
10061-02-6	trans-1,3-Dichloropropene	7	U
79-00-1	1,1,2-Trichloroethane	7	U
127-18-4	Tetrachloroethene	7	U
591-78-6	2-Hexanone	14	U

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
10643-1

ORIGINAL

Lab Name: EMSL ANALYTICAL Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: 10643-1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D2700.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. 28 Date Analyzed: 10/19/00

GC Column: RTX-624 X 75M ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound		Q
124-48-1	Dibromochloromethane	7	U
108-90-7	Chlorobenzene	7	U
630-20-6	1,1,1,2-Tetrachloroethane	7	U
100-41-4	Ethylbenzene	7	U
108-38-3	Xylene (para & meta)	63	
75-01-4	Xylene (Ortho)	7	U
100-42-1	Styrene	7	U
75-25-2	Bromoform	7	U
79-34-1	1,1,2,2-Tetrachloroethane	7	U

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
10643-1

ORIGINAL

Lab Name: EMSL ANALYTICAL
Contract:
Project No.:
Site:
Location:
Group:
Matrix: (soil/water) SOIL
Lab Sample ID: 10643-1
Sample wt/vol: 30.3 (g/mL G
Lab File ID: E8707.D
Level: (low/med) LOW
Date Received:
% Moisture: 28
decanted: (Y/N): N
Date Extracted: 10/23/00
Concentrated Extract Volume: 10000 (uL)
Date Analyzed: 10/24/00
Injection Volume: 1.0 (uL)
Dilution Factor: 1.0
GPC Cleanup: (Y/N) N
pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	4600	U
111-44-4	bis(2-Chloroethyl)ether	4600	U
95-57-8	2-Chlorophenol	4600	U
541-73-1	1,3-Dichlorobenzene	4600	U
106-46-7	1,4-Dichlorobenzene	4600	U
95-50-1	1,2-Dichlorobenzene	4600	U
95-48-7	2-Methylphenol	4600	U
108-60-1	bis(2-chloroisopropyl)ether	4600	U
106-44-5	4-Methylphenol	4600	U
621-64-7	N-Nitroso-Di-n-propylamine	4600	U
67-72-1	Hexachloroethane	4600	U
98-95-3	Nitrobenzene	4600	U
78-59-1	Isophorone	4600	U
88-75-5	2-Nitrophenol	4600	U
105-67-9	2,4-Dimethylphenol	4600	U
111-91-1	bis(2-Chloroethoxy)methane	4600	U
120-83-2	2,4-Dichlorophenol	4600	U
120-82-1	1,2,4-Trichlorobenzene	4600	U
91-20-3	Naphthalene	4600	U
106-47-8	4-Chloroaniline	4600	U
87-68-3	Hexachlorobutadiene	4600	U
59-50-7	4-Chloro-3-methylphenol	4600	U
91-57-6	2-Methylnaphthalene	4600	U
77-47-4	Hexachlorocyclopentadiene	4600	U
88-06-2	2,4,6-Trichlorophenol	11000	U
95-95-4	2,4,5-Trichlorophenol	4600	U
91-58-7	2-Chloronaphthalene	11000	U
88-74-4	2-Nitroaniline	4600	U
131-11-3	Dimethylphthalate	4600	U
208-96-8	Acenaphthylene	4600	U
606-20-2	2,6-Dinitrotoluene	11000	U
99-09-2	3-Nitroaniline	4600	U
83-32-9	Acenaphthene		

FORM I SV

3/90

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
10643-1

ORIGINAL

Lab Name: EMSL ANALYTICAL
Contract:
Project No.:
Site:
Location:
Group:
Matrix: (soil/water) SOIL
Lab Sample ID: 10643-1
Sample wt/vol: 30.3 (g/mL G
Lab File ID: E8707.D
Level: (low/med) LOW
Date Received:
% Moisture: 28
decanted: (Y/N): N
Date Extracted: 10/23/00
Concentrated Extract Volume: 10000 (uL)
Date Analyzed: 10/24/00
Injection Volume: 1.0 (uL)
Dilution Factor: 1.0
GPC Cleanup: (Y/N) N
pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	11000	U
100-02-7	4-Nitrophenol	11000	U
132-64-9	Dibenzofuran	4600	U
121-14-2	2,4-Dinitrotoluene	4600	U
84-66-2	Diethylphthalate	4600	U
86-73-7	Fluorene	4600	U
7005-72-3	4-Chlorophenyl-phenylether	4600	U
100-01-6	4-Nitroaniline	11000	U
534-52-1	4,6-Dinitro-2-methylphenol	11000	U
86-30-6	n-Nitrosodiphenylamine	4600	U
101-55-3	4-Bromophenyl-phenylether	4600	U
118-74-1	Hexachlorobenzene	4600	U
87-86-5	Pentachlorophenol	11000	U
85-01-08	Phenanthrene	4600	U
120-12-7	Anthracene	4600	U
86-74-8	Carbazole	4600	U
84-74-2	Di-n-butylphthalate	4600	U
206-44-0	Fluoranthene	4600	U
129-00-0	Pyrene	4600	U
85-68-7	Butylbenzylphthalate	4600	U
56-55-3	Benzo[a]anthracene	4600	U
91-94-1	3,3'-Dichlorobenzidine	9200	U
218-01-9	Chrysene	4600	U
117-81-7	bis(2-Ethylhexyl)phthalate	28000	
117-84-0	Di-n-octylphthalate	4600	U
205-99-2	Benzo[b]fluoranthene	4600	U
207-08-9	Benzo[k]fluoranthene	4600	U
50-32-8	Benzo[a]pyrene	4600	U
193-39-5	Indeno[1,2,3-cd]pyrene	4600	U
53-70-3	Dibenz[a,h]anthracene	4600	U
191-24-2	Benzo[g,h,i]perylene	4600	U

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
10643-2
ORIGINAL

Lab Name: EMSL ANALYTICAL Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: 10643-2

Sample wt/vol: 4.0 (g/mL) G Lab File ID: D2742.D

Level: (low/med) MED Date Received: _____

% Moisture: not dec. 43 Date Analyzed: 10/24/00

GC Column: RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound		Q
75-71-8	Dichlorodifluoromethane	2200	U
74-87-3	Chloromethane	2200	U
75-01-4	Vinyl chloride	2200	U
74-83-9	Bromomethane	2200	U
75-00-3	Chloroethane	2200	U
75-69-4	Trichlorofluoromethane	2200	U
75-35-4	1,1-Dichloroethene	1100	U
67-64-1	Acetone	1600	JB
75-15-0	Carbon disulfide	2200	U
75-09-2	Methylene chloride	1100	U
156-60-65	trans-1,2-Dichloroethene	1100	U
75-34-3	1,1-Dichloroethane	1100	U
594-20-7	2,2-Dichloropropane	1100	U
156-59-2	cis-1,2-Dichloroethene	1100	U
78-93-3	2-Butanone	2200	U
74-97-1	Bromochloromethane	1100	U
67-66-3	Chloroform	1100	U
71-55-6	1,1,1-Trichloroethane	1100	U
56-23-1	Carbon tetrachloride	1100	U
563-58-6	1,1-Dichloropropene	1100	U
71-43-2	Benzene	1100	U
107-06-2	1,2-Dichloroethane	1100	U
79-01-6	Trichloroethene	1100	U
78-87-1	1,2-Dichloropropane	1100	U
74-95-3	Dibromomethane	1100	U
75-27-4	Bromodichloromethane	1100	U
10061-01-1	cis-1,3-Dichloropropene	1100	U
108-10-1	4-Methyl-2-pentanone	2200	U
108-88-3	Toluene	1100	U
10061-02-6	trans-1,3-Dichloropropene	1100	U
79-00-1	1,1,2-Trichloroethane	1100	U
127-18-4	Tetrachloroethene	1100	U
591-78-6	2-Hexanone	2200	U

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
10643-2

ORIGINAL

Lab Name: EMSL ANALYTICAL Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: 10643-2

Sample wt/vol: 4.0 (g/mL) G Lab File ID: D2742.D

Level: (low/med) MED Date Received: _____

% Moisture: not dec. 43 Date Analyzed: 10/24/00

GC Column: RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound		Q
124-48-1	Dibromochloromethane	1100	U
108-90-7	Chlorobenzene	1100	U
630-20-6	1,1,1,2-Tetrachloroethane	1100	U
100-41-4	Ethylbenzene	1100	U
108-38-3	Xylene (para & meta)	1100	U
75-01-4	Xylene (Ortho)	1100	U
100-42-1	Styrene	1100	U
75-25-2	Bromoform	1100	U
79-34-1	1,1,2,2-Tetrachloroethane	1100	U

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
10643-2

ORIGINAL

Lab Name: EMSL ANALYTICAL Contract: _____

Project No. _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: 10643-2

Sample wt/vol: 4.0 (g/mL) G Lab File ID: D2742.D

Level: (low/med) MED Date Received: _____

% Moisture: not dec. 43 Date Analyzed: 10/24/00

GC Column: RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:
(ug/L or ug/Kg) ug/Kg

Number TICs found: 15

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 98-06-6	Benzene, tert-butyl-	20.88	6400	J
2.	Unknown Hydrocarbon	25.20	7500	J
3.	Unknown Substituted Benzene	25.86	8600	J
4.	Unknown Hydrocarbon	26.14	40000	J
5.	Unknown Hydrocarbon	26.58	14000	J
6.	Unknown Hydrocarbon	26.87	6100	J
7.	Unknown Hydrocarbon	26.94	8000	J
8.	Unknown Hydrocarbon	27.05	31000	J
9.	Unknown	27.31	8800	J
10.	Unknown	27.38	6900	J
11.	Unknown	27.53	7000	J
12.	Unknown Hydrocarbon	27.60	7700	J
13.	Unknown Hydrocarbon	27.99	6300	J
14.	Unknown Hydrocarbon	28.11	11000	J
15.	Unknown Hydrocarbon	29.64	7500	J
16.				
17.				
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

10643-2

ORIGINAL

Lab Name: EMSL ANALYTICAL Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: 10643-2

Sample wt/vol: 30.0 (g/mL G Lab File ID: E8708.D

Level: (low/med) LOW Date Received: _____

% Moisture: 43 decanted: (Y/N): N Date Extracted: 10/23/00

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/24/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	5800	U
111-44-4	bis(2-Chloroethyl)ether	5800	U
95-57-8	2-Chlorophenol	5800	U
541-73-1	1,3-Dichlorobenzene	5800	U
106-46-7	1,4-Dichlorobenzene	5800	U
95-50-1	1,2-Dichlorobenzene	5800	U
95-48-7	2-Methylphenol	5800	U
108-60-1	bis(2-chloroisopropyl)ether	5800	U
106-44-5	4-Methylphenol	5800	U
621-64-7	N-Nitroso-Di-n-propylamine	5800	U
67-72-1	Hexachloroethane	5800	U
98-95-3	Nitrobenzene	5800	U
78-59-1	Isophorone	5800	U
88-75-5	2-Nitrophenol	5800	U
105-67-9	2,4-Dimethylphenol	5800	U
111-91-1	bis(2-Chloroethoxy)methane	5800	U
120-83-2	2,4-Dichlorophenol	5800	U
120-82-1	1,2,4-Trichlorobenzene	5800	U
91-20-3	Naphthalene	5800	U
106-47-8	4-Chloroaniline	5800	U
87-68-3	Hexachlorobutadiene	5800	U
59-50-7	4-Chloro-3-methylphenol	5800	U
91-57-6	2-Methylnaphthalene	5800	U
77-47-4	Hexachlorocyclopentadiene	5800	U
88-06-2	2,4,6-Trichlorophenol	5800	U
95-95-4	2,4,5-Trichlorophenol	15000	U
91-58-7	2-Chloronaphthalene	5800	U
88-74-4	2-Nitroaniline	15000	U
131-11-3	Dimethylphthalate	5800	U
208-96-8	Acenaphthylene	5800	U
606-20-2	2,6-Dinitrotoluene	5800	U
99-09-2	3-Nitroaniline	15000	U
83-32-9	Acenaphthene	5800	U

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
10643-2

ORIGINAL

Lab Name: EMSL ANALYTICAL Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: 10643-2

Sample wt/vol: 30.0 (g/mL G Lab File ID: E8708.D

Level: (low/med) LOW Date Received: _____

% Moisture: 43 decanted: (Y/N): N Date Extracted: 10/23/00

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/24/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	15000	U
100-02-7	4-Nitrophenol	15000	U
132-64-9	Dibenzofuran	5000	J
121-14-2	2,4-Dinitrotoluene	5800	U
84-66-2	Diethylphthalate	5800	U
86-73-7	Fluorene	3100	J
7005-72-3	4-Chlorophenyl-phenylether	5800	U
100-01-6	4-Nitroaniline	15000	U
534-52-1	4,6-Dinitro-2-methylphenol	15000	U
86-30-6	n-Nitrosodiphenylamine	5800	U
101-55-3	4-Bromophenyl-phenylether	5800	U
118-74-1	Hexachlorobenzene	5800	U
87-86-5	Pentachlorophenol	15000	U
85-01-08	Phenanthrene	5800	U
120-12-7	Anthracene	5800	U
86-74-8	Carbazole	5800	U
84-74-2	Di-n-butylphthalate	5800	U
206-44-0	Fluoranthene	5800	U
129-00-0	Pyrene	850	J
85-68-7	Butylbenzylphthalate	5800	U
56-55-3	Benzo[a]anthracene	5800	U
91-94-1	3,3'-Dichlorobenzidine	12000	U
218-01-9	Chrysene	5800	U
117-81-7	bis(2-Ethylhexyl)phthalate	3100	J
117-84-0	Di-n-octylphthalate	5800	U
205-99-2	Benzo[b]fluoranthene	5800	U
207-08-9	Benzo[k]fluoranthene	5800	U
50-32-8	Benzo[a]pyrene	5800	U
193-39-5	Indeno[1,2,3-cd]pyrene	5800	U
53-70-3	Dibenz[a,h]anthracene	5800	U
191-24-2	Benzo[g,h,i]perylene	5800	U

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ORIGINAL

Sample No. 10643-1,2

GC/FID Fingerprint Analysis

10/25/00

The samples were extracted with methylene chloride as in the DRO procedure without surrogate. The concentrated 1 mL extracts were then analyzed by direct injection GC/FID.

Results

Sample 10643-1 (#1) showed several distinct patterns. An early group of compounds showed a small contribution followed by a larger pattern of late eluters. A major component was found at about 19 minutes.

Sample 10643-2 (#2) showed two separate groups of peaks.

Discussion

Sample #1's early eluting compounds match retention times for kerosene or early Fuel Oil#2. The late eluting material does not match any standards analyzed such as Fuel Oil #4 and #6. It is later eluting than the majority of #4 or #6. Estimated carbon range is C20 to approximately C36.

Sample #2's double grouping shows a distinct mixture of two different materials. The first material may be weathered Fuel Oil#2 or Diesel Fuel. The second material matches the late eluting material found in #1.

file: sv/gateway/msoffice/word/finger11.doc

ENVIRONMENT PROTECTION AGENCY
Office of Enforcement

01001064 3

CHAIN OF CUSTODY RECORD

REGION 3
Curtis Bldg., 6th & Walnut Sts.
Philadelphia, Pennsylvania 19106

PROJ. NO.: 07003
PROJECT NAME: 03-0010-L02
SAMPLERS: (Signature) Brian S. Crapt

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	VOCs	SVOCs	Oil Fingerprint (identify type of oil)				REMARKS
TP-A	10-17-00	1425		X	test pit A (just behind south end of sea wall)	2	X	X	X				-1
SW-1	10-18-00	1150		X	adjacent to sea wall on creek side	2	X	X	X				-2

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
(b) (4) [redacted]	10/19 10:00	(b) (4) [redacted]	10/19/00 10:00AM		
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: Per Marian do fingerprint on oils not including [illegible]	

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

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ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

ORIGINAL

CHAIN OF CUSTODY RECORD

REGION 3
Curtis Bldg., 6th & Walnut Sts.
Philadelphia, Pennsylvania 19106

PROJ. NO.: [illegible]

PROJECT NAME: 03-0010 L02

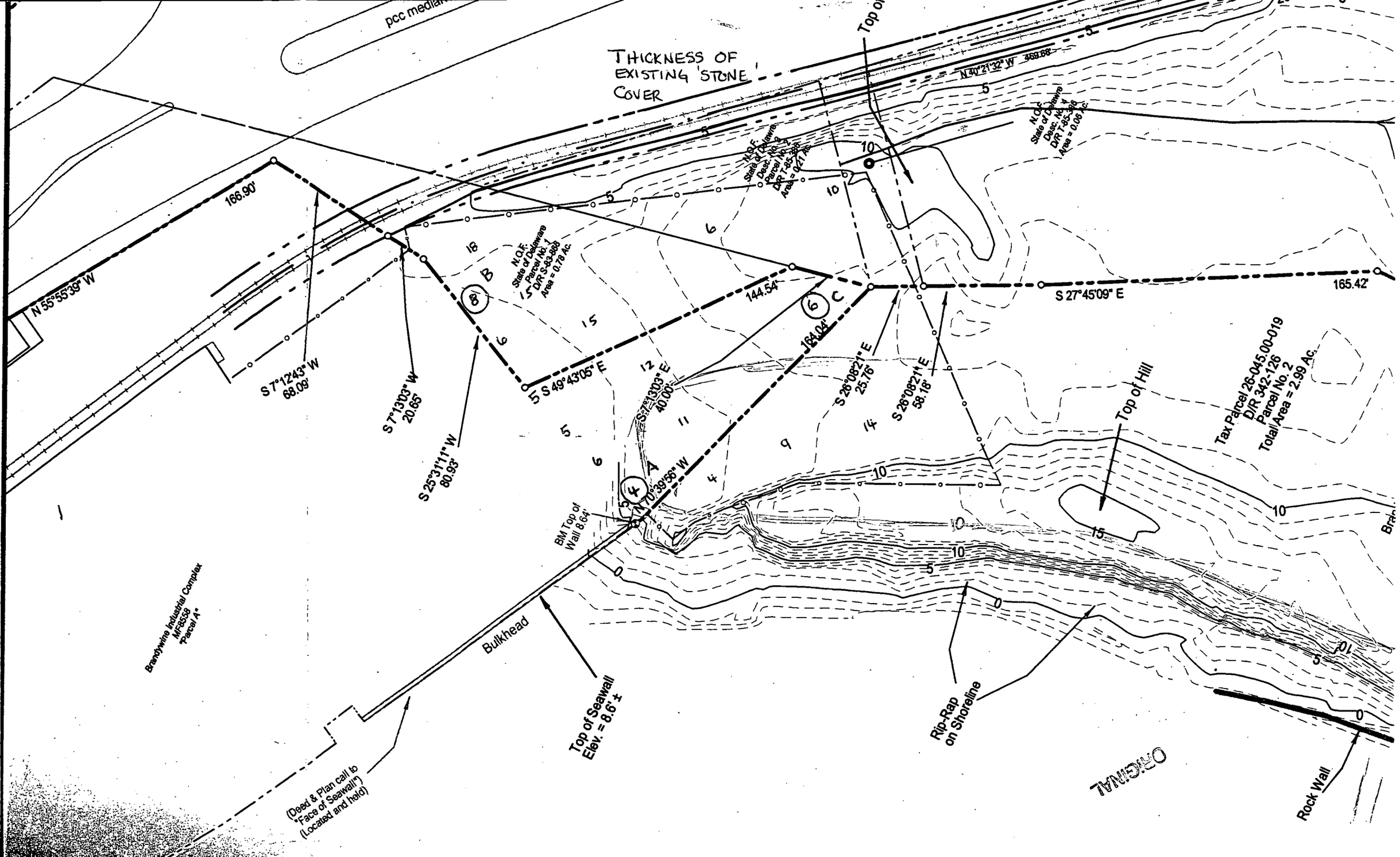
SAMPLERS: (Signature) (b) (4) [redacted]

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	VOCs	SVOCs	Oil Fingerprint (Fuel Type)				REMARKS
TP-A	10-17-00	1425		X	test pit A (in line behind southend of sea wall)	2	X	X	X				
SW-1	10-18-00	1150		X	adjacent to sea wall on creek side	2	X	X	X				

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
(b) (4) [redacted]	10/19 10:00	(b) (4) [redacted]			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

3-24644


pcc median
THICKNESS OF EXISTING 'STONE' COVER
Top of
N 40°21'32" W 469.68'
N.O.F. State of Delaware Desc. No. 4 D/R T-85-98 Area = 0.06 Ac.
N.O.F. State of Delaware Desc. No. 3 Parcel No. 4 D/R T-85-98 Area = 0.21 Ac.
N.O.F. State of Delaware Parcel No. 1 D/R S-83-868 Area = 0.78 Ac.
166.90'
N 55°55'39" W
S 7°12'43" W 68.09'
S 7°13'03" W 20.65'
S 25°31'11" W 80.93'
S 49°43'05" E
144.54'
164.04'
S 7°13'03" E 40.00'
N 70°39'56" W
S 26°08'21" E 25.76'
S 26°08'21" E 58.18'
S 27°45'09" E
165.42'
Top of Hill
Tax Parcel 26-045.00-019 D/R 342-126 Parcel No. 2 Total Area = 2.99 Ac.
BM Top of Wall 8.64'
Brandywine Industrial Complex MF-8558 "Parcel A"
Bulkhead
Top of Seawall Elev. = 8.6' ±
(Deed & Plan call to "Face of Seawall") (Located and held)
Rip-Rap on Shoreline
Rock Wall
ORIGINAL

TEST PITS:

(A) 4 to 8 inch variable cover over 2 feet of dark fill material over 7+ feet of thick dark gray clay. Water enters at @ 9' b.g.s. sheen on water.

(*) Soil at about 2' depth with organic odor
↳ soil sample TP-A collected from 2' depth @ 1425 (10-17-00)

(B) 8" stone layer over 5 feet of black fill material (some hoses) water enters at 4' b.g.s. sheen on water

(C) 6" stone layer over 18" of orange/brown dirt over 3+ feet of black fill material w/ hoses + green/white material. water enters at bottom of pit.