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NYS DEPT. OF ENVIRONMENTAL CONSERVATION

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RECORDED Date: Jul 28 1988

To: DEH - ENGINEER PROPERTY OFFICE
 SUPPLY & STORAGE DIV. T-4004
 FORT DRUM, NY 13602

Attention: CAROL A. ROMEO

PURCHASE ORDER # : DAKF3688M3330

SAMPLE #4077

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LABORATORY ANALYSIS REPORT

SAMPLE SUMMARY

CLIENT : DEH - ENGINEER PROPERTY OFFICE DATE RECEIVED : 05/27/88
 JOB # : 179.002.00 DATE COLLECTED : 05/27/88
 LOCATION : OLD LANDFILL - STREAM BANK TIME COLLECTED : 1515-1525
 METHOD : COMPOSITE

PARAMETER	RESULTS	UNITS
PHOSPHOROUS	180.	mg/kg
SULFUR	520.	mg/kg
ALUMINUM	3600.	mg/kg
ANTIMONY	<25.	mg/kg
ARSENIC	<25.	mg/kg
BARIUM	<25.	mg/kg
BERYLLIUM	<5.0	mg/kg
CADMIUM	<2.5	mg/kg
CALCIUM	900.	mg/kg
CHROMIUM-T	<5.0	mg/kg
COBALT	<5.0	mg/kg
COPPER	<5.0	mg/kg
IRON	4850.	mg/kg

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PARAMETER	RESULTS	UNITS
LEAD	<25.	mg/kg
MAGNESIUM	600.	mg/kg
MANGANESE	250.	mg/kg
NICKEL	<5.0	mg/kg
POTASSIUM	<250.	mg/kg
SELENIUM	<25.	mg/kg
SILVER	<5.0	mg/kg
SODIUM	100.	mg/kg
STRONTIUM	<5.0	mg/kg
THALLIUM	<25.	mg/kg
VANADIUM	<25.	mg/kg
ZINC	150.	mg/kg
ALDRIN	<0.05	mg/kg
A-BHC	<0.05	mg/kg
B-BHC	<0.05	mg/kg
D-BHC	<0.05	mg/kg
G-BHC	<0.05	mg/kg
CHLORDANE	<0.10	mg/kg
4,4'-DDD	<0.05	mg/kg
4,4'-DDE	<0.05	mg/kg
4,4'-DDT	<0.10	mg/kg
DIELDRIN	<0.05	mg/kg
A-ENDOSULFAN	<0.05	mg/kg
B-ENDOSULFAN	<0.05	mg/kg
ENDOSULFAN SULFATE	<0.10	mg/kg
ENDRIN	<0.05	mg/kg
ENDRIN ALDEHYDE	<0.05	mg/kg
HEPTACHLOR	<0.05	mg/kg
HEPTACHLOR EPOXIDE	<0.05	mg/kg
TOXAPHENE	<0.60	mg/kg
PCB-1016	<0.35	mg/kg
PCB-1221	<0.35	mg/kg
PCB-1232	<0.15	mg/kg

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PARAMETER	RESULTS	UNITS
PCB-1242	<0.15	mg/kg
PCB-1248	<0.15	mg/kg
PCB-1254	<0.15	mg/kg
PCB-1260	<0.15	mg/kg
CHLOROMETHANE	<2.0	mg/kg
BROMOMETHANE	<0.50	mg/kg
VINYL CHLORIDE	<0.50	mg/kg
CHLOROETHANE	<0.50	mg/kg
METHYLENE CHLORIDE	<0.50	mg/kg
CHLOROBENZENE	<0.10	mg/kg
1,1-DICHLOROETHYLENE	<0.20	mg/kg
1,1-DICHLOROETHANE	<0.10	mg/kg
TRANS-1,2-DICHLOROETHYLENE	<0.10	mg/kg
ETHYLBENZENE	0.60	mg/kg
CHLOROFORM	<0.20	mg/kg
1,2-DICHLOROETHANE	<0.10	mg/kg
1,1,1-TRICHLOROETHANE	<0.10	mg/kg
CARBON TETRACHLORIDE	<0.10	mg/kg
BROMODICHLOROMETHANE	<0.10	mg/kg
1,2-DICHLOROPROPANE	<0.10	mg/kg
TRANS-1,3-DICHLOROPROPENE	<0.20	mg/kg
TRICHLOROETHYLENE	<0.10	mg/kg
DIBROMOCHLOROMETHANE	<0.10	mg/kg
CIS-1,3-DICHLOROPROPENE	<0.20	mg/kg
1,1,2-TRICHLOROETHANE	<0.10	mg/kg
BENZENE	<0.10	mg/kg
2-CHLOROETHYL VINYL ETHER	<3.0	mg/kg
BROMOFORM	<0.10	mg/kg
TETRACHLOROETHYLENE	<0.10	mg/kg
1,1,2,2-TETRACHLOROETHANE	<0.10	mg/kg
TOLUENE	<0.10	mg/kg
1,2 DICHLOROBENZENE	<0.10	mg/kg
1,3 DICHLOROBENZENE	<0.10	mg/kg

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PARAMETER	RESULTS	UNITS
1,4-DICHLOROBENZENE	<0.10	mg/kg
TRICHLOROFLUOROMETHANE	<0.10	mg/kg
HEXACHLOROETHANE	<0.10	mg/kg
BIS(2-CHLOROETHYL)ETHER	<0.10	mg/kg
BIS(2-CHLORDISOPROPYL)ETHER	<0.10	mg/kg
N-NITROSO-DI-N-PROPYLAMINE	<0.10	mg/kg
NITROBENZENE	<0.10	mg/kg
HEXACHLOROBUTADIENE	<0.10	mg/kg
1,2,4-TRICHLOROBENZENE	<0.10	mg/kg
ISOPHORONE	<0.10	mg/kg
NAPHTHALENE	<0.10	mg/kg
BIS(2-CHLOROETHOXY)METHANE	<0.10	mg/kg
HEXACHLOROCYCLOPENTADIENE	<0.10	mg/kg
2-CHLORONAPHTHALENE	<0.10	mg/kg
ACENAPHTHYLENE	<0.10	mg/kg
ACENAPHTHENE	<0.10	mg/kg
DIMETHYL PHTHALATE	<0.10	mg/kg
2,6-DINITROTOLUENE	<0.10	mg/kg
FLUORENE	<0.10	mg/kg
4-CHLOROPHENYL-PHENYLETHER	<0.10	mg/kg
2,4-DINITROTOLUENE	<0.10	mg/kg
DIETHYL PHTHALATE	<0.10	mg/kg
N-NITROSODIPHENYLAMINE	<0.10	mg/kg
HEXACHLOROBENZENE	<0.10	mg/kg
4-BROMOPHENYL-PHENYLETHER	<0.10	mg/kg
PHENANTHRENE	<0.10	mg/kg
ANTHRACENE	<0.10	mg/kg
DIBUTYL PHTHALATE	<0.10	mg/kg
FLUORANTHENE	<0.10	mg/kg
PYRENE	<0.10	mg/kg
BENZIDENE	<1.4	mg/kg
BUTYLBENZYLPHTHALATE	<0.10	mg/kg
BIS(2-ETHYLHEXYL)PHTHALATE	<0.35	mg/kg

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PARAMETER	RESULTS	UNITS
CHRYSENE	<0.18	mg/kg
BENZO(A) ANTHRACENE	<0.18	mg/kg
3,3'-DICHLOROBENZIDINE	<0.35	mg/kg
DI-N-OCTYLPHTHALATE	<0.35	mg/kg
BENZO(B) FLUORANTHENE	<0.35	mg/kg
BENZO(K) FLUORANTHENE	<0.35	mg/kg
BENZO(A) PYRENE	<0.35	mg/kg
INDENO(1,2,3-C,D) PYRENE	<0.35	mg/kg
DIBENZO(A,H) ANTHRACENE	<0.35	mg/kg
BENZO(G,H,I) PERYLENE	<0.35	mg/kg
N-NITROSODIMETHYL AMINE	<0.35	mg/kg

NOTE:

All analyses performed and reported on a mg/kg wet weight basis.

CS warrants that any sampling and analyses conducted as part of this report are performed in accordance with the analytical industries recognized methodologies and professional standards. CS will not assume liability for any damages resulting from deficient work other than reperformance or cost of said work and will not accept any liability as a result of data interpretation by the client.

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PARAMETER	RESULTS	UNITS
LEAD	<0.50	mg/l
MAGNESIUM	1.6	mg/l
MANGANESE	1.1	mg/l
NICKEL	<0.10	mg/l
POTASSIUM	<5.0	mg/l
SELENIUM	<0.50	mg/l
SILVER	<0.10	mg/l
SODIUM	5.5	mg/l
STRONTIUM	0.12	mg/l
THALLIUM	<0.50	mg/l
VANADIUM	<0.50	mg/l
ZINC	<0.10	mg/l
ALDRIN	<0.50	ug/l
A-BHC	<0.50	ug/l
B-BHC	<0.50	ug/l
D-BHC	<0.50	ug/l
G-BHC	<0.50	ug/l
CHLORDANE	<3.5	ug/l
4,4'-DDD	<0.50	ug/l
4,4'-DDE	<0.50	ug/l
4,4'-DDT	<1.0	ug/l
DIELDRIN	<0.50	ug/l
A-ENDOSULFAN	<0.50	ug/l
B-ENDOSULFAN	<0.50	ug/l
ENDOSULFAN SULFATE	<1.0	ug/l
ENDRIN	<0.50	ug/l
ENDRIN ALDEHYDE	<0.50	ug/l
HEPTACHLOR	<0.50	ug/l
HEPTACHLOR EPOXIDE	<0.50	ug/l
TOXAPHENE	<20.	ug/l
PCB-1016	<5.5	ug/l
PCB-1221	<5.5	ug/l
PCB-1232	<5.5	ug/l

SOURCE

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PARAMETER	RESULTS	UNITS
PCB-1242	<5.5	ug/l
PCB-1248	<5.5	ug/l
PCB-1254	<5.5	ug/l
PCB-1260	<5.5	ug/l
CHLOROMETHANE	<100.	ug/l
BROMOMETHANE	<100.	ug/l
VINYL CHLORIDE	<50.	ug/l
CHLOROETHANE	<50.	ug/l
METHYLENE CHLORIDE	<50.	ug/l
CHLORO BENZENE	<10.	ug/l
1,1-DICHLOROETHYLENE	<20.	ug/l
1,1-DICHLOROETHANE	<10.	ug/l
TRANS-1,2-DICHLOROETHYLENE	<10.	ug/l
ETHYLBENZENE	16.	ug/l
CHLOROFORM	<10.	ug/l
1,2-DICHLOROETHANE	<10.	ug/l
1,1,1-TRICHLOROETHANE	<10.	ug/l
CARBON TETRACHLORIDE	<10.	ug/l
BROMODICHLOROMETHANE	<10.	ug/l
1,2-DICHLOROPROPANE	<10.	ug/l
TRANS-1,3-DICHLOROPROPENE	<20.	ug/l
TRICHLOROETHYLENE	<10.	ug/l
DIBROMOCHLOROMETHANE	<10.	ug/l
CIS-1,3-DICHLOROPROPENE	<20.	ug/l
1,1,2-TRICHLOROETHANE	<10.	ug/l
BENZENE	35.	ug/l
2-CHLOROETHYL VINYL ETHER	<300.	ug/l
BROMOFORM	<10.	ug/l
TETRACHLOROETHYLENE	<10.	ug/l
1,1,2,2-TETRACHLOROETHANE	<10.	ug/l
TOLUENE	<10.	ug/l
1,2 DICHLORO BENZENE	<10.	ug/l
1,3 DICHLORO BENZENE	<10.	ug/l

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PARAMETER	RESULTS	UNITS
1,4 DICHLORO BENZENE	<10.	ug/l
TRICHLOROFLUOROMETHANE	<10.	ug/l
HEXACHLOROETHANE	<12.	ug/l
BIS(2-CHLOROETHYL)ETHER	<12.	ug/l
BIS(2-CHLOROISOPROPYL)ETHER	<12.	ug/l
N-NITROSO-DI-N-PROPYLAMINE	<12.	ug/l
NITROBENZENE	<12.	ug/l
HEXACHLORO BUTADIENE	<12.	ug/l
1,2,4-TRICHLORO BENZENE	<12.	ug/l
ISOPHORONE	<12.	ug/l
NAPHTHALENE	<12.	ug/l
BIS(2-CHLOROETHOXY)METHANE	<12.	ug/l
HEXACHLOROCYCLOPENTADIENE	<12.	ug/l
2-CHLORONAPHTHALENE	<12.	ug/l
ACENAPHTHYLENE	<12.	ug/l
ACENAPHTHENE	<12.	ug/l
DIMETHYL PHTHALATE	<12.	ug/l
2,6-DINITROTOLUENE	<12.	ug/l
FLUORENE	<12.	ug/l
4-CHLOROPHENYL-PHENYLETHER	<12.	ug/l
2,4-DINITROTOLUENE	<12.	ug/l
DIETHYL PHTHALATE	<12.	ug/l
N-NITROSODIPHENYLAMINE	<12.	ug/l
HEXACHLORO BENZENE	<12.	ug/l
4-BROMOPHENYL-PHENYLETHER	<12.	ug/l
PHENANTHRENE	<12.	ug/l
ANTHRACENE	<12.	ug/l
DIBUTYL PHTHALATE	<12.	ug/l
FLUORANTHENE	<12.	ug/l
PYRENE	<12.	ug/l
BENZIDENE	<92.	ug/l
BUTYL BENZYL PHTHALATE	<12.	ug/l
BIS(2-ETHYLHEXYL)PHTHALATE	<12.	ug/l

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PARAMETER	RESULTS	UNITS
CHRYSENE	<12.	ug/l
BENZO (A) ANTHRACENE	<12.	ug/l
3, 3' -DICHLOROBENZIDINE	<24.	ug/l
DI-N-OCTYLPHTHALATE	<12.	ug/l
BENZO (B) FLUORANTHENE	<12.	ug/l
BENZO (K) FLUORANTHENE	<12.	ug/l
BENZO (A) PYRENE	<12.	ug/l
INDENO (1, 2, 3-C, D) PYRENE	<12.	ug/l
DIBENZO (A, H) ANTHRACENE	<12.	ug/l
BENZO (G, H, I) PERYLENE	<12.	ug/l
N-NITROSODIMETHYL AMINE	<12.	ug/l

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