

Engineering Investigations and Evaluations of
Inactive Hazardous Waste Disposal Sites

Preliminary Site Assessment Report

Crown Dykman
Site No. 130054
Town of Oyster Bay, Nassau County

January 1993

Prepared For:

New York State Department of Environmental Conservation
50 Wolf Road
Albany, New York

Prepared By:

Division of Hazardous Waste Remediation
Bureau of Hazardous Site Control
Eastern Investigation Section

1.0 INTRODUCTION

In the Li Tungsten (Site ID #130046) NUS Corp Site Inspection Report prepared for the Environmental Protection Agency, two adjacent areas were identified as potential sources of volatile organic compounds, allegedly not attributable to the Li Tungsten site. One plume, with several dry cleaning solvents related to tetrachloroethylene, occurred along the eastern boundary of Li Tungsten. NUS believed that this plume originated at the former dry cleaning facility that occupied the 66 Herhill Road property. Also, the Nassau County Department of Health (NCDH) took soil samples at this site in September 1990, after the removal of the underground cleaning fluid tanks. Based on the results, NCDH sent a letter of violation and requested a remedial investigation. EEA Inc., the engineering consultant for Herhill Associates (the site owners), completed a site investigation for Crown Dykman in February 1992. The results therefrom provided enough documentation for placing Crown Dykman on the Registry of Inactive Hazardous Waste Disposal Sites as a Class 2, in October 1992. It should be noted that in October 1991, prior to the installation and sampling of groundwater monitoring wells, a request to add the facility as a 2a, and thus undergo a Preliminary Site Assessment (PSA) was initiated. There is no Phase I, Phase II, or EPA Assessment for this property. This PSA has been prepared by the DEC and is based on previous site investigations and file information.

2.0 SITE DESCRIPTION

This 1-acre property is located on the north side of Herhill Road, east of Dickson Lane and west of Charles and New streets in a highly industrialized area of the City of Glen Cove in Nassau County (Figures 1 & 2). The facility is in close proximity to several other potential or confirmed inactive hazardous waste sites, including Li Tungsten (south and west) and Konica Imaging System (north and east) [Figure 3].

Underlying the area are unconsolidated glacial sediments, consisting largely of sand, gravel with intermittent layers of silt, and clay.

The groundwater is believed to flow south-southeasterly and the depth ranges between five and ten feet below grade level.

3.0 SITE HISTORY

Dykman Laundry and Cleaners occupied the property from 1932 to 1975. From 1975 to 1983, Crown Uniform Service utilized the premises to dry clean and service uniforms. Crown originally used stoddard solvent (a petroleum derivative), then converted to tetrachloroethylene (PCE). The date of this conversion is unknown. However, in 1980, Crown reported using 5,000 gallons per year of PCE. After Crown Uniform, the property was occupied by a number of tenants, including F.B. Flipse Auto, an autobody shop. Flipse subleased part of the building to Northbound Motors, Inc. for approximately one year.

Northbound, in turn, subleased to Tim Contarino, an individual who Northbound blames for dumping paint solvents, paint and oil into an excavated 2 ft x 4 ft. pit inside the building. A Flipse employee stated that the owners of Northbound removed about three garbage cans of soil from this pit. S & W Laundry, who was involved solely with washing and pressing shirts, and who did no dry cleaning, used the back of the 66 Herhill property while F.B. Flipse was still conducting business at this address. In 1983, Proyarq 4-5 Inc., a woodworking company that used lacquer thinner, occupied the property.

4.0 PREVIOUS INVESTIGATIONS AND REMEDIATION

In June 1987, a NCDH representative took a soil sample from the excavated 2 ft. x 4 ft. pit, after noting a solvent odor. This sample detected the following: PCE (2,500 ppb), 1,1,1-trichloroethane (45 ppb), toluene (290 ppb), and xylene (7,600 ppb).

From September 1990 through January 1991, four solvent tanks (2 x 2,000-gallon, 2 x 550-gallon), one gasoline tank (1,000-gallon) and a drum labeled "PERK" (PCE) were unearthed. The contents were disposed appropriately. Twenty-five to thirty cubic yards of soil near the gasoline tank and fifty to sixty cubic yards near the solvent tanks were also removed. The NCDH took soil samples from the former location of these tanks. The soil from the former gasoline tank area showed constituents of gasoline. However, no contamination was found in the soil from the former solvent tank area. Further testing of this area in July 1991, did reveal the following (in ppb): PCE (110), trichloroethene (40), and trans-1,2-dichloroethene (26). A water sample from the excavated pit found vinyl chloride at 60 ppb. Due to these results, EEA installed and sampled three groundwater monitoring wells in February 1992. The following analytical data are for one downgradient well:

	<u>Groundwater (ug/l)</u>	<u>NYS Class GA Standard (ug/l)</u>
Tetrachloroethylene	11,000	5
Trichloroethene	4,000	5
trans-1,2-Dichloroethene	94	5
Vinyl Chloride	330	2
o-Xylene	4	5

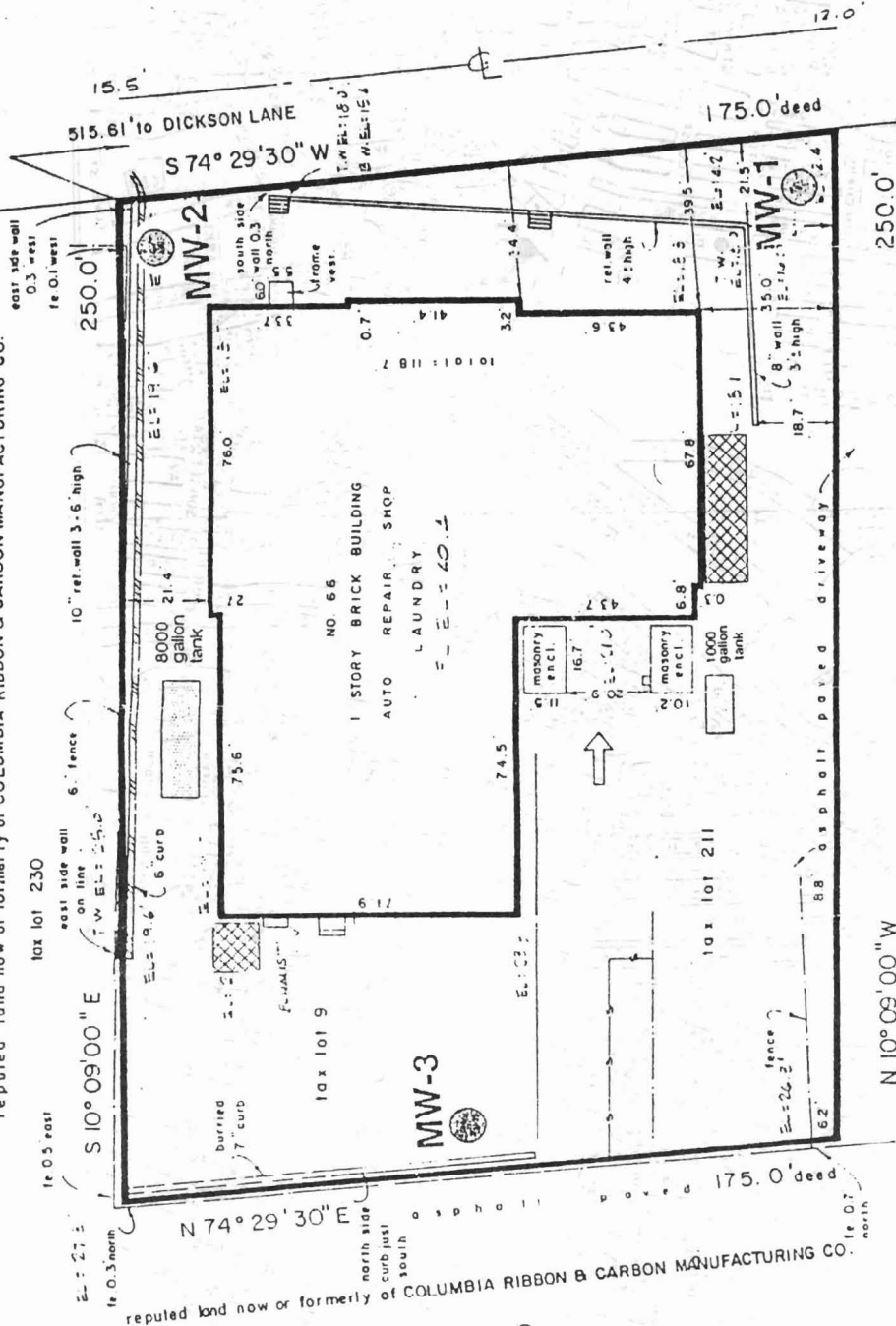
The only contaminant detected in the upgradient well was tetrachloroethene, at 2 ug/l.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The Li Tungsten Site Inspection Report and the NCDH soil sampling both pointed to Crown Dykman as a probable source of hazardous waste contamination. The subsequent subsurface site investigation has confirmed this suspicion, and has indicated that this waste and its breakdown products, are presenting a significant threat to the environment and to public health. A Remedial Investigation/Feasibility Study at Crown Dykman is clearly warranted.

FIGURE 2

reputed land now or formerly of COLUMBIA RIBBON & CARBON MANUFACTURING CO.



OFFSETS & DIMENSIONS SHOWN NOT TO BE USED FOR THE REMOVAL, RELOCATION OR LAYOUT OF FENCES, HEDGES, CURBS, WALLS OR ANY STRUCTURES



John P. Ferrante
LAND SURVEYOR
GARDEN CITY PARK, N. Y.
N. Y. S. LIC. NO. 45017

DICKSON STREET
DICKSON LANE

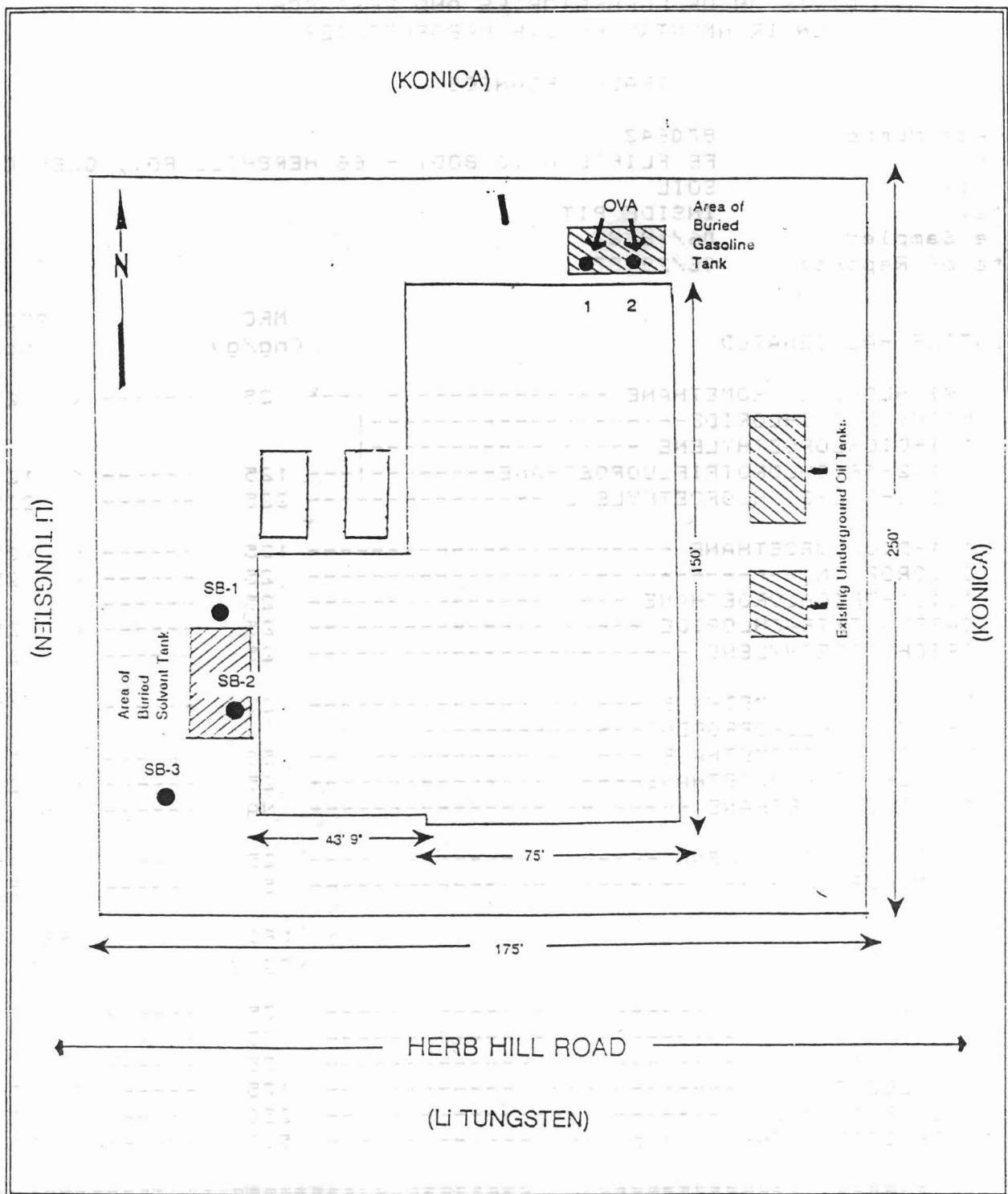
MAP OF PROPERTY
BLOCK AS SHOWN
LOT LOCATION GLEN COVE, NASSAU COUNTY, NEW YORK
CERTIFIED ONLY TO

DATE 9-27-91

NOT RESPONSIBLE FOR EASEMENTS AND SUBSURFACE CONDITIONS OTHER THAN SHOWN

Excavated area





Plot Plan of Property
(not drawn to scale)

Figure 3

NASSAU COUNTY DEPARTMENT OF HEALTH
DIVISION OF LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH LABORATORIES

TRACE ORGANICS

Access Number: 870642
Source: FB FLIPSE AUTO BODY - 66 HERBHILL RD., GLEN COVE
Matrix: SOIL
Site: INSIDE PIT
Date Sampled: 06/18/87
Date of Report: 06/29/87

VOLATILE HALOGENATED	MRC (ng/g)	RESULT (ng/g)
TRICHLOROFLUOROMETHANE -----	25	< 25
METHYLENE CHLORIDE -----		
1,1-DICHLOROETHYLENE -----		
1,1,2-TRICHLOROTRIFLUOROETHANE -----	125	< 125
c & t-1,2-DICHLOROETHYLENE -----	225	< 225
1,1-DICHLOROETHANE -----	125	< 125
CHLOROFORM -----	25	< 25
1,1,1-TRICHLOROETHANE -----	25	45
CARBON TETRACHLORIDE -----	25	< 25
TRICHLOROETHYLENE -----	25	< 25
BROMODICHLOROMETHANE -----	25	< 25
c-1,3-DICHLOROPROPENE -----		
DIBROMODICHLOROMETHANE -----	50	< 50
1,1,2-TRICHLOROETHANE -----	25	< 25
1,2-DIBROMOETHANE -----	NA	NA
TETRACHLOROETHYLENE -----	25	< 2500
BROMOFORM -----	50	< 50

VOLATILE AROMATICS	MRC (ng/g)	RESULT (ng/g)
BENZENE -----	75	< 75
TOLUENE -----	75	25
CHLOROBENZENE -----	75	NR
ETHYLBENZENE -----	175	< 175
XYLENE (o,m,p) -----	250	7600
DICHLOROBENZENE (o,m,p) -----	500	NR

=====

MPC - MINIMUM REPORTABLE CONCENTRATION NA - NOT ANALYZED
NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
FFB: AIR - n/l WATER - ug/l SOIL - ng/g

TESTED BY: [Signature]

By: [Signature]

TR-USENC

XYLENES

INVOICE

TANK SPECIALISTS

36 Meadow Lane
Glen Head, New York 11545
(6) 759-9318

No.

1167

TO

HERB HILL ASSOCIATES
21 EDWARDS LANE
GLEN COVE, NY 11542

ATT: MR. MAURICE BAUER

DATE JANUARY 9, 1991	
CUSTOMER ORDER NO.	JOB ORDER NO.
DATE WORK PERFORMED	
JOB SITE 66 HERB HILL RD. GLEN COVE	COUNTY NASS

TERMS: NET 30 DAYS

PAGE 1

DESCRIPTION	AMOUNT
9/14/90 EXCAVATED AT WEST SIDE OF BUILDING, EXPOSED (1) 2000 GALLON TANK AND (2) 550 GALLON TANKS, STOCKED PILED SOIL. NASSAU COUNTY HEALTH DEPT. ON SITE TOOK SAMPLES OF SOIL. EXCAVATED NORTH EAST CORNER OF BUILDING, EXPOSED TOP OF 1000 GALLON GASOLINE TANK. N.C.H.D. - TOM NORRIS D.E.C. - TIM WALSH	
9/18/90 *PUMPED OUT GASOLINE TANK. EXCAVATED, REMOVED AND DISPOSED OF (1) 1000 GALLON GASOLINE TANK. STOCK PILED APPROXIMATE 25 - 30 CUBIC YARDS OF CONTAMINATED SOIL AS PER D.E.C. INSPECTOR, TIM WALSH. (1) D.O.T. DRUM OF SLUDGE. *REMOVED SAMPLES FROM SOLVENT TANKS AT WEST SIDE OF BUILDING FOR ANALYSIS.	
1/30/90 REMOVED AND DISPOSED OF CONTENTS OF TANKS AT WEST END OF BUILDING, LOCATED ADDITIONAL 2000 GALLON TANK. TOTAL GALLONS DISPOSED OF 3500 GALLONS. REMOVED AND DISPOSED OF (2) 2000 GALLON TANKS AND (2) 550 GALLON TANKS. (3) D.O.T. DRUMS OF SLUDGE. STOCK PILED APPROXIMATE 50 - 60 CUBIC YARDS OF CONTAMINATED SOIL AS PER N.C.H.D. INSPECTOR, STEVE. EXCAVATED (1) DRUM LABELED PERK, CONTENTS UNKNOWN.	
1/9/91 PUMPED AND DISPOSED OF WATER IN EXCAVATED AREA. BACKFILLED EXCAVATION WITH SOILS WHICH WERE EXCAVATED IN TANK REMOVAL PROCESS.	
TANK REMOVALS	
(2) 2000 GALLONS SOLVENT	
(2) 550 GALLONS SOLVENT	
(1) 1000 GALLONS GASOLINE.....	\$4,204 00
LAB ANALYSIS - TANK CONTENTS.....	\$ 750 00

1.5% INTEREST IF NOT PAID WITHIN 30 DAYS

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C912516/1

07/29/91

Energy & Environmental Analysts, Inc.

55 Hilton Ave.

Garden City, NY 11530

ATTN: Nicholas Recchia

SOURCE OF SAMPLE: Herb Hill Pond, #91718

COLLECTED BY: Client DATE COL'D: 07/15/91 RECEIVED: 07/15/91

SAMPLE: Soil sample, SB-1, 3 ft., 9:15 am

ANALYTICAL PARAMETERS

Chloromethane	ug/Kg	<20
Vinyl Chloride	ug/Kg	<20
Bromomethane	ug/Kg	<20
Chloroethane	ug/Kg	<20
Trichlorofluomethane	ug/Kg	<20
1,1 Dichloroethene	ug/Kg	<20
Methylene Chloride	ug/Kg	<20
t-1,2-Dichloroethene	ug/Kg	25
1,1 Dichloroethane	ug/Kg	<20
Chloroform	ug/Kg	<20
1,1,1 Trichloroethane	ug/Kg	<20
Carbon Tetrachloride	ug/Kg	<20
Benzene	ug/Kg	<20
1,2 Dichloroethane	ug/Kg	<20
Trichloroethene	ug/Kg	40
1,2 Dichloropropane	ug/Kg	<20
Bromodichloromethane	ug/Kg	<20
2-chloroethvinylether	ug/Kg	<20
t 1,3 Dichloropropene	ug/Kg	<20
Toluene	ug/Kg	<20
c 1,3 Dichloropropene	ug/Kg	<20
1,1,2 Trichloroethane	ug/Kg	<20
Tetrachloroethene	ug/Kg	110
Chlorodibromomethane	ug/Kg	<20
Chlorobenzene	ug/Kg	<20

ANALYTICAL PARAMETERS

Ethyl Benzene	ug/Kg	61
m + p Xylene	ug/Kg	140
o Xylene	ug/Kg	230
Bromoform	ug/Kg	<20
1,1,2,2-Tetrachloroethane	ug/Kg	<20
m Dichlorobenzene	ug/Kg	<20
p Dichlorobenzene	ug/Kg	<20
o Dichlorobenzene	ug/Kg	<20
Petrol. Hydrocarbons	mg/Kg	220

cc:

REMARKS: Analysis performed by EPA method 8240.

DIRECTOR

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C912516/4

07/29/91

Energy & Environmental Analysts, Inc.
55 Hilton Ave.
Garden City, NY 11530

ATTN: Nicholas Recchia

SOURCE OF SAMPLE: Herb Hill Pond, #91718

COLLECTED BY: Client DATE COL'D: 07/15/91 RECEIVED: 07/15/91

SAMPLE: Water sample, GW-1, 11:00

ANALYTICAL PARAMETERS

Chloromethane	ug/L	<5
Bromomethane	ug/L	<5
Dichlorodifluomethane	ug/L	<10
Vinyl Chloride	ug/L	60
Chloroethane	ug/L	<5
Methylene Chloride	ug/L	<5
Trichlorofluomethane	ug/L	<10
11 Dichloroethene	ug/L	<5
11 Dichloroethane	ug/L	<5
12 Dichloroethene	ug/L	650
Chloroform	ug/L	<5
12 Dichloroethane	ug/L	<5
111 Trichloroethane	ug/L	<5
Carbon Tetrachloride	ug/L	<5
Bromodichloromethane	ug/L	<5
12 Dichloropropane	ug/L	<5
t 13 Dichloropropene	ug/L	<10
Trichloroethylene	ug/L	<5
Chlorodibromomethane	ug/L	<10
112 Trichloroethane	ug/L	<10
c 13 Dichloropropene	ug/L	<10
2chloroethvinylether	ug/L	<10
Bromoform	ug/L	<10
1122Tetrachloroethan	ug/L	<10
Tetrachloroethene	ug/L	<5

ANALYTICAL PARAMETERS

Chlorobenzene	ug/L	<10
13 Dichlorobenzene	ug/L	<10
12 Dichlorobenzene	ug/L	<10
14 Dichlorobenzene	ug/L	<10
Benzene	ug/L	<5
Toluene	ug/L	<10
Ethyl Benzene	ug/L	<5
m Xylene	ug/L	<10
o+p Xylene	ug/L	<20

cc:

REMARKS:

DIRECTOR _____

rn=

11074

NYSDOH ID# 10320

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C920632/1

03/06/92

Energy & Environmental Analysts, Inc.
55 Hilton Ave.
Garden City, NY 11530

ATTN: Nicholas Recchia

SOURCE OF SAMPLE: Herb Hill Associates, Project No. 91718
COLLECTED BY: Client DATE COL'D: 02/20/92 RECEIVED: 02/21/92

SAMPLE: Water sample, MW-1, 11:30 am

ANALYTICAL PARAMETERS

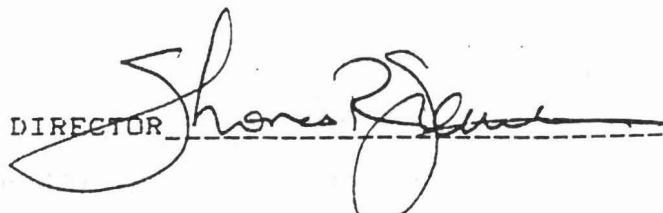
Chloromethane	ug/L	<1
Vinyl Chloride	ug/L	330
Bromomethane	ug/L	<1
Chloroethane	ug/L	<1
Trichlorofluoromethane	ug/L	<1
1,1 Dichloroethene	ug/L	<1
Methylene Chloride	ug/L	<1
t-1,2-Dichloroethene	ug/L	94
1,1 Dichloroethane	ug/L	<1
Chloroform	ug/L	<1
1,1,1 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Benzene	ug/L	<1
1,2 Dichloroethane	ug/L	<1
Trichloroethene	ug/L	4000
1,2 Dichloropropane	ug/L	<1
Bromodichloromethane	ug/L	<1
2-chloroethvinylether	ug/L	<1
t-1,3 Dichloropropene	ug/L	<1
Toluene	ug/L	1
c-1,3 Dichloropropene	ug/L	<1
1,1,2 Trichloroethane	ug/L	<1
Tetrachloroethene	ug/L	11000
Chlorodibromomethane	ug/L	<1
Chlorobenzene	ug/L	<1

ANALYTICAL PARAMETERS

Ethyl Benzene	ug/L	<1
m + p Xylene	ug/L	<2
o Xylene	ug/L	4
Bromoform	ug/L	<1
1,1,2,2-Tetrachloroethane	ug/L	<1
m Dichlorobenzene	ug/L	<1
p Dichlorobenzene	ug/L	<1
o Dichlorobenzene	ug/L	<1

CC:

REMARKS: Analysis performed by EPA method 624.

DIRECTOR 

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C920632/2

03/06/92

Energy & Environmental Analysts, Inc.
55 Hilton Ave.
Garden City, NY 11530
ATTN: Nicholas Recchia

SOURCE OF SAMPLE: Herb Hill Associates, Project No. 91718
COLLECTED BY: Client DATE COL'D: 02/20/92 RECEIVED: 02/21/92

SAMPLE: Water sample, MW-1D, 11:30 am

ANALYTICAL PARAMETERS

Chloromethane	ug/L	<1
Vinyl Chloride	ug/L	300
Bromomethane	ug/L	<1
Chloroethane	ug/L	<1
Trichlorofluomethane	ug/L	<1
11 Dichloroethene	ug/L	1
Methylene Chloride	ug/L	<1
t-1,2-Dichloroethene	ug/L	89
11 Dichloroethane	ug/L	<1
Chloroform	ug/L	<1
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Benzene	ug/L	<1
12 Dichloroethane	ug/L	<1
Trichloroethene	ug/L	4000
12 Dichloropropane	ug/L	<1
Bromodichloromethane	ug/L	<1
2chloroethvinylether	ug/L	<1
t 13 Dichloropropene	ug/L	<1
Toluene	ug/L	1
c 13 Dichloropropene	ug/L	<1
112 Trichloroethane	ug/L	<1
Tetrachloroethene	ug/L	11000
Chlorodibromomethane	ug/L	<1
Chlorobenzene	ug/L	<1

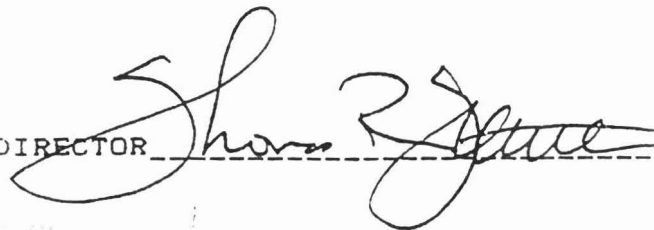
ANALYTICAL PARAMETERS

Ethyl Benzene	ug/L	<1
m + p Xylene	ug/L	<2
o Xylene	ug/L	4
Bromoform	ug/L	<1
1122Tetrachloroethan	ug/L	<1
m Dichlorobenzene	ug/L	<1
p Dichlorobenzene	ug/L	<1
o Dichlorobenzene	ug/L	<1

CC:

REMARKS: Analysis performed by EPA method 624.

DIRECTOR



377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C920632/3

03/06/92

Energy & Environmental Analysts, Inc.
55 Hilton Ave.
Garden City, NY 11530

ATTN: Nicholas Recchia

SOURCE OF SAMPLE: Herb Hill Associates, Project No. 91718
COLLECTED BY: Client DATE COL'D: 02/20/92 RECEIVED: 02/21/92

SAMPLE: Water sample, MW-1B, Field Blank, 11:30

ANALYTICAL PARAMETERS

Chloromethane	ug/L	<1
Vinyl Chloride	ug/L	<1
Bromomethane	ug/L	<1
Chloroethane	ug/L	<1
Trichlorofluomethane	ug/L	<1
11 Dichloroethene	ug/L	<1
Methylene Chloride	ug/L	<1
t-1,2-Dichloroethene	ug/L	<1
11 Dichloroethane	ug/L	<1
Chloroform	ug/L	33
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Benzene	ug/L	<1
12 Dichloroethane	ug/L	<1
Trichloroethene	ug/L	<1
12 Dichloropropane	ug/L	<1
Bromodichloromethane	ug/L	4
2chloroethvinylether	ug/L	<1
t 13 Dichloropropene	ug/L	<1
Toluene	ug/L	<1
c 13 Dichloropropene	ug/L	<1
112 Trichloroethane	ug/L	<1
Tetrachloroethene	ug/L	<1
Chlorodibromomethane	ug/L	<1
Chlorobenzene	ug/L	<1

ANALYTICAL PARAMETERS

Ethyl Benzene	ug/L	<1
m + p Xylene	ug/L	<2
o Xylene	ug/L	<1
Bromoform	ug/L	<1
1122Tetrachloroethane	ug/L	<1
m Dichlorobenzene	ug/L	<1
p Dichlorobenzene	ug/L	<1
o Dichlorobenzene	ug/L	<1

cc:

REMARKS: Analysis performed by EPA method 624.

DIRECTOR 

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C920632/4

03/06/92

Energy & Environmental Analysts, Inc.
55 Hilton Ave.
Garden City, NY 11530

ATTN: Nicholas Recchia

SOURCE OF SAMPLE: Herb Hill Associates, Project No. 91718
COLLECTED BY: Client DATE COL'D: 02/20/92 RECEIVED: 02/21/92

SAMPLE: Water sample, MW-2, 11:45 am

ANALYTICAL PARAMETERS

Chloromethane	ug/L	<1
Vinyl Chloride	ug/L	<1
Bromomethane	ug/L	<1
Chloroethane	ug/L	<1
Trichlorofluomethane	ug/L	<1
11 Dichloroethene	ug/L	<1
Methylene Chloride	ug/L	<1
t-1,2-Dichloroethene	ug/L	<1
11 Dichloroethane	ug/L	<1
Chloroform	ug/L	7
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Benzene	ug/L	<1
12 Dichloroethane	ug/L	<1
Trichloroethene	ug/L	<1
12 Dichloropropane	ug/L	<1
Bromodichloromethane	ug/L	<1
2chloroethvinylether	ug/L	<1
t 13 Dichloropropene	ug/L	<1
Toluene	ug/L	<1
c 13 Dichloropropene	ug/L	<1
112 Trichloroethane	ug/L	<1
Tetrachloroethene	ug/L	71
Chlorodibromomethane	ug/L	<1
Chlorobenzene	ug/L	<1

ANALYTICAL PARAMETERS

Ethyl Benzene	ug/L	<1
m + p Xylene	ug/L	<2
o Xylene	ug/L	<1
Bromoform	ug/L	<1
1122Tetrachloroethan	ug/L	<1
m Dichlorobenzene	ug/L	<1
p Dichlorobenzene	ug/L	<1
o Dichlorobenzene	ug/L	<1

cc:

REMARKS: Analysis performed by EPA method 624.

DIRECTOR

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C920632/5

03/06/92

Energy & Environmental Analysts, Inc.
55 Hilton Ave.
Garden City, NY 11530
ATTN: Nicholas Recchia

SOURCE OF SAMPLE: Herb Hill Associates, Project No. 91718
COLLECTED BY: Client DATE COL'D: 02/20/92 RECEIVED: 02/21/92

SAMPLE: Water sample, MW-3, 13:00 pm

ANALYTICAL PARAMETERS

Chloromethane	ug/L	<1
Vinyl Chloride	ug/L	<1
Bromomethane	ug/L	<1
Chloroethane	ug/L	<1
Trichlorofluoromethane	ug/L	<1
1,1 Dichloroethene	ug/L	<1
Methylene Chloride	ug/L	<1
t-1,2-Dichloroethene	ug/L	<1
1,1 Dichloroethane	ug/L	<1
Chloroform	ug/L	<1
1,1,1 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Benzene	ug/L	<1
1,2 Dichloroethane	ug/L	<1
Trichloroethene	ug/L	<1
1,2 Dichloropropane	ug/L	<1
Bromodichloromethane	ug/L	<1
2-chloroethvinylether	ug/L	<1
t 1,3 Dichloropropene	ug/L	<1
Toluene	ug/L	<1
c 1,3 Dichloropropene	ug/L	<1
1,1,2 Trichloroethane	ug/L	<1
Tetrachloroethene	ug/L	2
Chlorodibromomethane	ug/L	<1
Chlorobenzene	ug/L	<1

ANALYTICAL PARAMETERS

Ethyl Benzene	ug/L	<1
m + p Xylene	ug/L	<2
o Xylene	ug/L	<1
Bromoform	ug/L	<1
1,1,2,2-Tetrachloroethane	ug/L	<1
m Dichlorobenzene	ug/L	<1
p Dichlorobenzene	ug/L	<1
o Dichlorobenzene	ug/L	<1

cc:

REMARKS: Analysis performed by EPA method 624.

DIRECTOR 