PRELIMINARY SITE ASSESSMENT REPORT

EAST HAMPTON AIRE
Wainscott, New York
Site No. 152156

Work Assignment No. D002925-31

Prepared for:

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233

John P. Cahill
Commissioner

July 2000

CDM Camp Dresser & McKee
One Hundred Crossways Park Drive West
Woodbury, NY 11797-2012

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1.0 NYSDEC SITE INVESTIGATION INFORMATION

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION

SITE INVESTIGATION INFORMATION

1. SITE NAME	2. SITE NUMBER	3. TOWN/CITY/VILLAGE	4. COUNTY
East Hampton Aire	152156	Wainscott	Suffolk

5. REGION	6. CLASSIFICATION		
1	CURRENT	PROPOSED	MODIFY

7. LOCATION OF SITE (Attach U.S.G.S. Topographic Map showing site location) Figure 1

a. Quadrangle: East Hampton, NY & Sag Harbor, NY

b. Site Latitude 40° 57' 23" Site Longitude 72° 14' 58"

c. Tax Map Numbers Section 192 Block 1.00 Lot 8.00

d. Site Street Address 90 Industrial Road, Wainscott, New York 11975

8. BRIEFLY DESCRIBE THE SITE (Attach site plan showing disposal/sampling locations)

The East Hampton Aire site is currently occupied by East Hampton Airlines. The onsite facilities include the main building which houses offices, a maintenance area and an airplane hanger. Numerous vehicles and equipment are also stored on-site. Activities at the facility include flight operations and control, training, aircraft maintenance and office space. A leach pool and two corresponding overflow pools are located to the north of the hanger, a septic tank and one corresponding overflow pool are located to the east of the hanger and a sanitary pool and leach pool are located to the south of the hanger. The pools located to the north of the hanger are connected to the hanger floor drain system and the sanitary pool located to the south of the hanger is connected to an interior slop sink. The septic tank is used for sanitary waste. No documentation was identified in the files regarding the connection of the leachpool located to the south of the hanger. A propane tank is located to the north of the hanger and a 1,000 gallon is located to the southwest of the hanger. A site map is provided as Figure 2.

A report dated October 7, 1996 was prepared by Porcello Engineering, Inc. and submitted to the NYSDEC. The report described the removal of approximately 3 to 5 yards of sediment and liquid from each dry well and all liquid was removed form the septic tank. Approximately 2 yards of contaminated soil was excavated from the area beneath the former above ground 10,000 gallon storage tank and 2 yards of contaminated soil was removed from the former drum storage area. End point samples were obtained from the excavations and were split with the SCDHS, Porcello never analyzed their samples. According to the Porcello report two 4 inch monitoring wells were installed and sampled and an existing well was also sampled. The results of the sampling are as follows:

Compound	MW-01	MW-02	MW-03
Diethylphthalate	-	3.86 ug/L	3.86 ug/L
Di-n-Butylphalate	-	4.22 ug/L	4.22 ug/L
Alpha-chlordane	2 ug/L	3 ug/L	3 ug/L
Endosufane I	-	3 ug/L	4 ug/L
Phenol	8 ug/L	5 ug/L	8 ug/L
Antimony	450 ug/L	360 ug/L	360 ug/L
Copper	20 ug/L	20 ug/L	30 ug/L
Thallium	180 ug/l	170 ug/L	180 ug/L

A letter dated December 8, 1995 indicated that no additional soil extraction was required at the site after analysis by the SCDHS of end point samples obtained during the cleanup. During a SCDHS investigation on July 13, 1995 dye testing was performed to confirm that floor drains located inside the hanger were connected to the outside leach pool. Upon confirmation of this connection, sludge samples were obtained from two onsite leaching pools located to the north of the hanger. The following compounds were identified in the primary leach pool sludge:

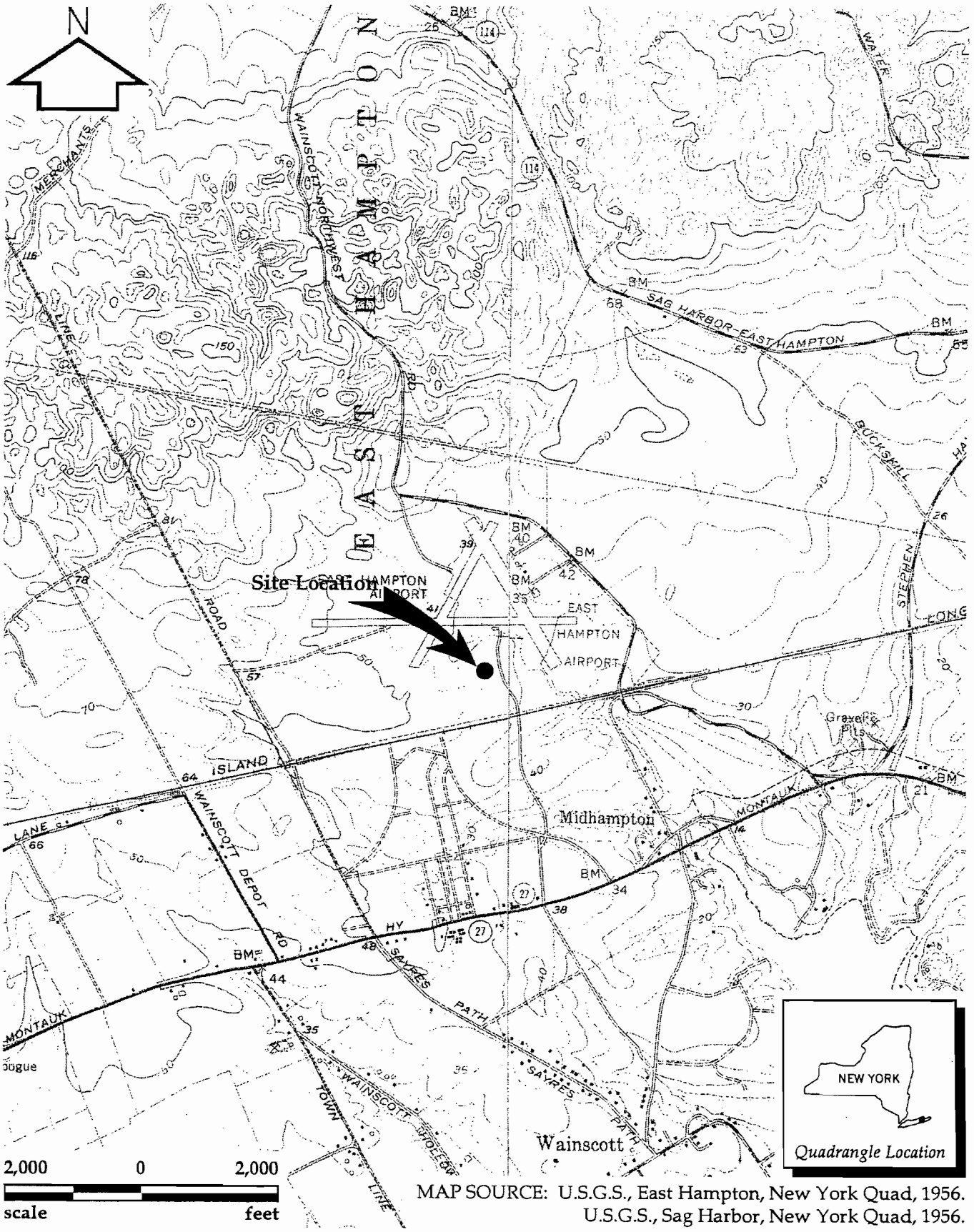
Organics		Metals	
Ethylbenzene	110 ppb	Aluminum	2,500 ugm/gm
Xylene(s)	790 ppb	Barium	20 ugm/gm
n-Propylbenzene	740 ppb	Cadmium	10 ugm/gm
p-Ethyltolune	2,400 ppb	Chromium	10 ugm/gm
1,3,5-Trimethylbenzene	3,700 ppb	Copper	50 ugm/gm
1,2,4-Trimethylbenzene	5,000 ppb	Iron	4,300 ugm/gm
sec-Butylbenzene	1,200 ppb	Lead	160 ugm/gm
1,2,4,5-Tetramethylbenzene	2,700 ppb	Manganese	20 ugm/gm
Napthalene	3,500 ppb	Zinc	120 ugm/gm

On February 14 and 15, 2000, seven geoprobe groundwater samples were collected and analyzed. In addition to the geoprobe locations a total of two groundwater samples were obtained from two existing onsite monitoring wells. A third onsite monitoring well was blocked with a foreign object and was unable to be sampled. Monitoring well sampling data is provided on Table 1. All groundwater samples were collected at locations on the former East Hampton Aire property. Samples were collected with the use of dedicated diposable tubing and dedicated bailers and immediately following the sampling were delivered to H2M Labs. Sample analysis was for full TCL parameters. One MS, one MSD, one field blank, one duplicate and one trip blank were also collected for quality assurance/quality control purposes. Sample point DP-03 was used as the duplicate groundwater sample location.

Two volatile organic compounds were identified above their respective detection limits including ethylbenzene (2 ug/L) in DP-06 and DP-07 and o-xylene (1 ug/L and 6 ug/L) in DP-06 and DP-07, respectively. The level of o-xylene at 6 ug/L exceeds its respective groundwater quality standard of 5 ug/L. No other volatile organic compounds were identified that exceeded the GA groundwater standard. The results of the volatile organic analysis are provided on Table 2.

Several semi-volatile organic compounds were recorded at estimate "J" values, including 2-methylnaphthalene in DP-02 and DP-06; diethylphthalate, naphthalene, flouranthene, pyrene and butylbenzylphthalate in DP-06; chrysene in DP-06 and DP-03 duplicate, bis(2-ethylhexyl)phthalate in DP-01, DP-02, DP-03, DP-05, DP-06 DP-07, DP-03 duplicate, MW-01 and MW-03; di-n-octylphthalate in DP-03 and DP-06. The presence of bis(2-ethylhexyl)phthalate in the groundwater samples may be the result of outside contamination from plastic tubing, latex gloves, or bailers (EPA Drinking Water and Health, Consumer Fact Sheet on Di (2-Ethylhexl) Phthalate) No semi-volatile organic compounds were identified that exceeded the GA groundwater standard. The results of the semi-volatile organic analysis is provided on Table 3.

One pesticide, namely beta-BHC, was presumptively identified with a "UJ" qualifier in DP-06 at 0.092 ug/L and was identified at an estimate "J" value in DP-07 at 0.18 ug/L. The concentration of beta-BHC at both locations exceed the GA groundwater standard of 0.04 ug/L. No PCB's were identified in any

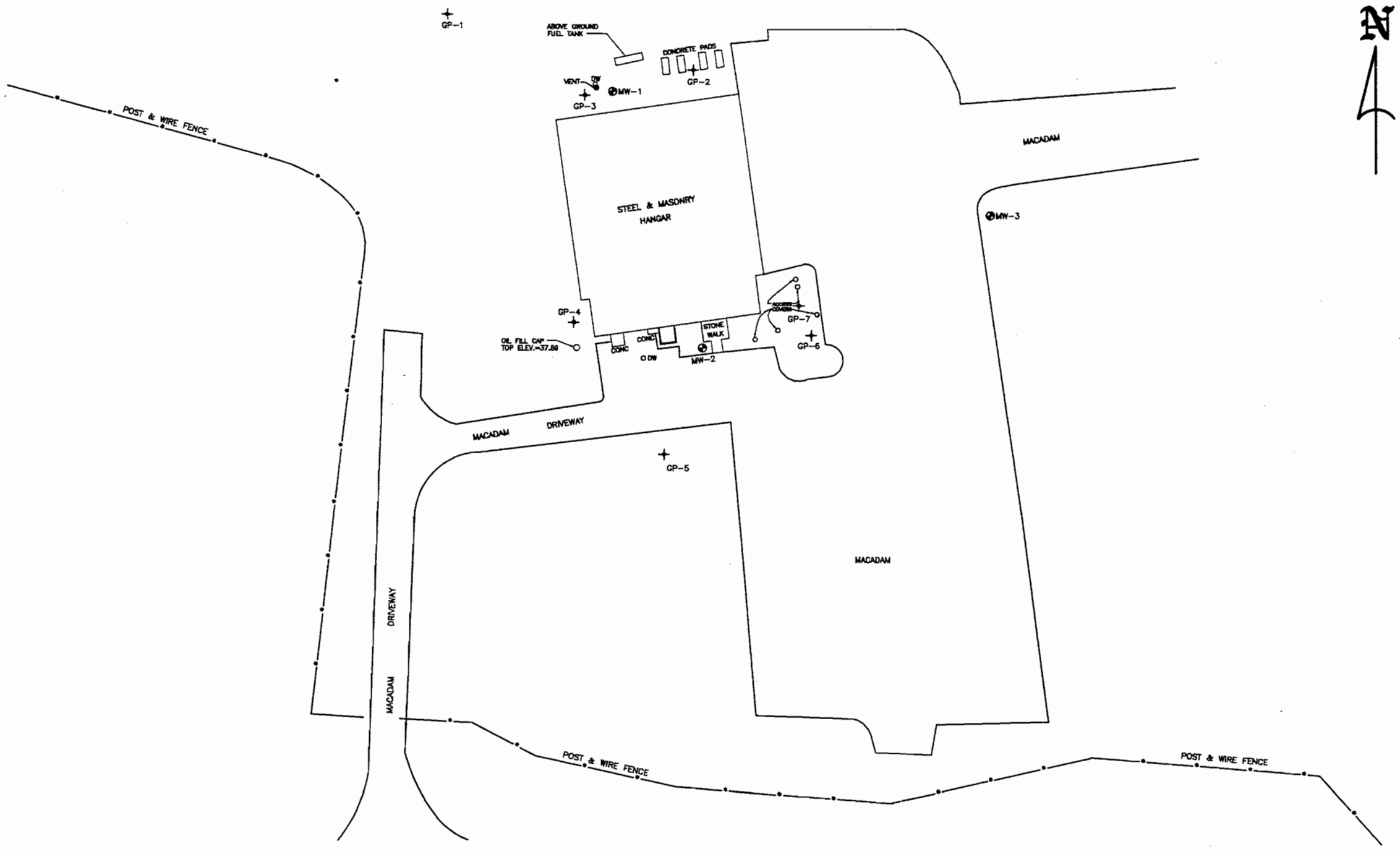


O:\KALNY\Suffolk Sites\East Hampton Aire\Figure 1-East Site-USGS

MAP SOURCE: U.S.G.S., East Hampton, New York Quad, 1956.
U.S.G.S., Sag Harbor, New York Quad, 1956.

CDM Camp Dresser & McKee

Figure 1
East Hampton Aire Site Location



N

WELL ELEVATIONS

WELL I.D.	TOP OF CASING	TOP OF PVC
MW-1	35.30	34.71
MW-2	36.07	35.94
MW-3	34.53	34.44

WELLS ARE FLUSH MOUNT

LEGEND

- MONITORING WELL
- GEOPROBE POINT

NOTES:

1. DATE OF FIELD SURVEY: FEBRUARY 3, 2000
2. VERTICAL DATUM: NGVD 1929
3. HORIZONTAL DATUM: ASSUMED
4. ADDITIONAL SURVEY: MARCH 16, 2000 (GEOPROBE POINTS)

SCALE

30 15 0 30 FT.

Figure 2

REVISIONS	YEC, INC.
	VALLEY COTTAGE — NEW YORK
	EAST HAMPTON AIRE SURVEY
	TOWN OF EAST HAMPTON
	SUFFOLK COUNTY, NEW YORK

DATE:	SCALE:	DRAWN BY:	CHECKED BY:	JOB NO.
MAR.2000	1" = 30'	MBW	DRS	A0231

Table 1
Monitoring Well Sampling Data
East Hampton Aire

Well #	OVM (ppm)	DIA. (in.)	DTW (ft.)	Total Well Column (ft.)	Actual Vol. Purged (gal.)	Temp. (C)	SAL %	pH	Cond. (ms/cm)	Turb. (NTU)	DO (mg/l)	Flow (gpm)	Gallon Purged
MW1	0	4	24.45	26.57	N/A	10.8	0	4.6	0.036	12	4.5	0.3	7
MW3	0	4	24.22	29.66	12	12.8	0	4.95	0.049	2	5.28	0.5	12

Table 2
Volatile Analytical Results Summary
East Hampton Aire

Sample ID:	DP-01	DP-02	DP-03	DP-04	DP-05	DP-06	DP-07	DUPLICATE	FB	MW-1	MW-3	TB	TB-1	NYS
Collection Date:	02/14/00	02/14/00	02/14/00	02/15/00	02/15/00	02/15/00	02/15/00	02/15/00	02/15/00	03/01/00	03/01/00	02/09/00	03/01/00	Standard
Units:	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
Chloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5
Bromomethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5
Vinyl chloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2
Chloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 UJ	5
Methylene Chloride	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	5
Acetone	5 R	4 U	5 R	5 R	5 R	5 U	5 R	5 R	3 U	5 UJ	5 UJ	5 R	5 UJ	50 G
Carbon disulfide	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5
1,1-Dichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 UJ	5
1,1-Dichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5
Chloroform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	7
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.6
2-Butanone	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	50
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5
Carbon tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 UJ	5
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	50 G
1,2-dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1
cis-1,3-dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.4 *
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5
Benzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5
trans-1,3-dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.4 *
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1
Bromoform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	50 G
4-Methyl-2-pentanone	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS
2-Hexanone	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 U	5 UJ	50 G
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 UJ	5
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 UJ	5
Toluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5
chlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5
Ethylbenzene	1 U	1 U	1 U	1 U	1 U	2	2 U	1 U	1 U	1 U	1 U	1 U	1 U	5
Styrene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5
trans-1,2-dichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5
cis-1,2-dichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5
1,2-dibromoethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5
1,3-dichlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3 *
1,4-dichlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3 *
1,2-dichlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3 *
1,2-dibromo-3-chloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.04
Vinyl acetate	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS
m/p-xylene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5
o-xylene	1 U	1 U	1 U	1 U	1 U	1	6	1 U	1 U	1 U	1 U	1 U	1 U	5

Table 3
Semi-Volatile Analytical Results Summary
East Hampton Aire

Sample ID:	*DP-01*	*DP-02*	*DP-03*	*DP-04*	*DP-05*	*DP-06*	*DP-07*	*DUPLICATE*	*FB*	*MW-1*	*MW-3*	*TB*	*TB-1*	*NYS*
Collection Date:	*02/14/00*	*02/14/00*	*02/14/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*03/01/00*	*03/01/00*	*02/09/00*	*03/01/00*	*Standard*
Units:	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			1 *
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			1
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			1 *
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			3
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			3
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			3
2-Methylpbenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			1 *
2,2'-oxybis(1-Cbloropropane)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			5
4-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			1 *
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			NS
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			5
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			0.4
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			50 G
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			1 *
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			50 G
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			5 E
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			5
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			5
Naphthalene	10 U	10 U	10 U	10 U	10 U	5 J	10 U	10 U	10 U	10 U	10 U			10 G
4-Chloroaniline	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			5
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			0.5
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			1 *
2-Methylnaphthalene	10 U	2 J	10 U	10 U	10 U	1 J	10 U	10 U	10 U	10 U	10 U			NS
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ			5
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			1 *
2,4,5-Trichlorophenol	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U			1 *
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 G
2-Nitroaniline	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U			5
Dimethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			50 G
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			NS
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			5
3-Nitroaniline	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U			5
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			20 E
2,4-Dinitrophenol	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 R	25 R			1 *
4-Nitrophenol	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 UJ	25 UJ			1 *
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			NS
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			5
Diethylphthalate	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U			50 G
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			50 G
4-Chlorophenyl-phenylether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			NS
4-Nitroaniline	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U			5
4,6-Dinitro-2-methylphenol	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 UJ	25 UJ			1 *
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			50 G
4-Bromophenyl-phenylether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			NS
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			0.04
Pentachlorophenol	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U			1 *
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			50 G
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			50 G

Table 3 (continued)
Semi-Volatiles Analytical Results Summary
East Hampton Aire

Sample ID:	*DP-01*	*DP-02*	*DP-03*	*DP-04*	*DP-05*	*DP-06*	*DP-07*	*DUPLICATE*	*FB*	*MW-1*	*MW-3*	*TB*	*TB-1*	*NYS*
Collection Date:	*02/14/00*	*02/14/00*	*02/14/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*03/01/00*	*03/01/00*	*02/09/00*	*03/01/00*	*Standard*
Units:	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			NS
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			50
Fluoranthene	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U			50 G
Pyrene	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U			50 G
Butylbenzylphthalate	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U			50 G
Benzo[a]anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			0.002 G
3,3'-Dichlorobenzidine	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			5
Chrysene	10 U	10 U	10 U	10 U	10 U	1 J	10 U	8 J	10 U	10 U	10 U			0.002 G
bis(2-Ethylhexyl)phthalate	1 J	1 J	1 J	10 U	2 J	6 J	1 J	1 J	10 U	4 J	5 J			5
Di-n-octylphthalate	10 U	10 U	1 J	10 U	10 U	3 J	10 U	10 U	10 U	10 U	10 U			50 G
Benzo[b]fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			0.002 G
Benzo[k]fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			0.002 G
Benzo[a]pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			ND
Indeno[1,2,3-cd]pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			0.002 G
Dibenz[a,h]anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			NS
Benzo[g,h,i]perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			NS

groundwater samples. Table 4 provides the results of the pesticide and PCB analysis.

Aluminum and iron were detected in all of the direct push groundwater samples. Chromium and lead were detected in all of the direct push samples with the exception of DP-01. Calcium was detected in all direct push samples with the exception of DP-01 and DP-07. Manganese was detected in all direct push samples and MW-01. Barium was identified in DP-04 and the DP-03 duplicate; copper was detected in DP-02, DP-03 and the DP-03 duplicate; sodium was detected in DP-02, DP-04 and DP-05; and zinc was identified in DP-02, DP-03, DP-03 duplicate and MW-01.

Aluminum was detected at levels above the GA groundwater standard of 2000 ug/L at all sampling locations except DP-01, MW-01 and MW-03. Iron and manganese were detected at levels above the GA groundwater standards of 300 ug/L for both metals at all sampling locations except MW-01 and MW-03. Chromium was detected at levels above the GA groundwater standard of 50 ug/L at sampling locations DP-02, DP-03 and the duplicate. Table 5 indicates the sampling locations and compounds that exceed respective groundwater standards. Tentatively identified compounds (TIC's) were identified at some of the sampling locations at estimated values (Table 6). The laboratory reports that siloxanes are not inherent in the groundwater samples, but resulted from pretreatment of the glassware during sample preparation.

Continuous soil sampling was performed at all sampling locations. Each soil sample was screened for the presence of volatile organic compounds in the field utilizing an organic vapor monitor (OVM). The results of the OVM screening and the soil descriptions were recorded on the boring logs. Copies of all boring logs are provided in Appendix B. The maximum depth of the soil borings varied from 24 feet below ground surface to 34 feet below ground surface. At six of the seven geoprobe locations one soil sample was collected for laboratory analysis. No soil sample was collected from DP-03 located adjacent to the northern leach pool. Samples were collected for laboratory analysis if the presence of volatile organic compounds were observed with the OVM. If no VOC readings were observed than the soil sample obtained from the vadose zone of the boring was collected. One MS, one MSD, one field blank, one duplicate and one trip blank were also collected for quality assurance/quality control purposes. The same trip blank was used for both the groundwater and soil samples. Sample point DP-05 (16 ft-20 ft) was used as the duplicate soil sample location.

No volatile organic compounds were identified in any of the soil samples. The results of the volatile organic analysis are provided on Table 7. Several semi-volatile organic compounds were recorded at estimate "J" values, including bis(2-ethylhexyl) phthalate in DP-06 and DP-07 and di-n-octylphthalate in DP-01, DP-06 and DP-07. The following semi volatile compounds were detected sample DP-06 at estimate "J" values: phenanthrene, flouranthene, pyrene, benzo[a]anthracene, chrysene, benzo[b]flouranthene, benzo[k]flouranthene, benzo[a]pyrene, Indeno[1,2,3-cd]pyrene and benzo[g,h,i]perylene. The presence of bis(2-ethylhexyl)phthalate in the soil samples may be the result of outside contamination from plastic spatulas, latex gloves or plastic liners (EPA Drinking Water and Health, Consumer Fact Sheet on Di (2-Ethylhexl) Phthalate) The results of the semivolatile organic analysis is provided on Table 8. No semi-volatile compounds were detected in any of the samples that exceed the NYSDEC soil cleanup objective to protect groundwater.

Two pesticides, namely 4,4'-DDE (2.2 ug/Kg) and 4,4'-DDT (2.2 ug/Kg), were identified in DP-06 at estimate "J" values. No PCB's were identified in any soil samples. Table 9 provides the results of the pesticide and PCB analysis. No pesticides or PCBs were detected in any of the samples that exceed the NYSDEC soil cleanup objective to protect groundwater.

Aluminum, chromium, iron, lead, manganese and zinc were detected in all of the direct push soil samples. Copper and vanadium were detected in soil Sample DP-01. The results of the metal analysis are provided on Table 10. The level of manganese identified in sample DP-05 and its corresponding duplicate slightly exceeded the site background level for manganese. All other metals that were identified did not exceed their respective NYSDEC TAGM recommended soil cleanup objective or eastern standard site background level. Tentatively identified compounds (TIC's) were identified at some of the sampling locations at estimated values (Table 11).

a. Area 1 acre b. EPA ID Number Not Reported

c. Completed ( )Phase I ( )Phase II (X) PSA ( )RI/FS ( )PA/SI ( )Other

9. HAZARDOUS WASTE DISPOSED (Include EPA Hazardous Waste Numbers) The are wastes identified listed were identified during this PSA.

Chromium (D007) o-xylene (F003)

10. ANALYTICAL DATA AVAILABLE

a. ( )Air (X)Groundwater ( )Surface Water ( )Sediment (X)Soil ( )Waste ( )Leachate ( )EPTox ( )TCLP

b. Contravention of Standards or Guidance Values - Refer to Tables 1, 2, 3, 4, 5, 6, 7, 8 & 9

11. CONCLUSION

12. SITE DATA

a. Nearest Surface Water: Distance 4,000 ft. Direction South Southeast Classification Georgica Pond

b. Nearest Groundwater: Depth 24.5 ft. Flow Direction Southeast (X)Sole Source ( )Primary ( )Principal

c. Nearest Water Supply: Distance 5,000 ft. Direction Northeast Active (X)Yes ( )No

d. Nearest Building: Distance Onsite ft. Direction N/A Use Building is used as office space

e. In State Economic Development Zone?	( )Y	(X)N	i. Controlled Site Access?	(X)Y	( )N
f. Crops or livestock on site?	( )Y	(X)N	j. Exposed hazardous waste?	( )Y	(X)N
g. Documented fish or wildlife mortality?	( )Y	(X)N	k. HRS Score Not Available		
h. Impact on special status fish or wildlife resource?	( )Y	(X)N	l. For Class 2: Priority Category		

13. SITE OWNER'S NAME	14. ADDRESS	15. TELEPHONE NUMBER
Town of East Hampton	159 Pantigo Place, East Hampton, New York, 11973	(631) 324-4140

16. PREPARER	17. APPROVED
Signature Date	Signature Date
Name, Title, Organization	Name, Title, Organization

Table 4
Pesticides /PBC's Analytical Summary Table
East Hampton Aire

Sample ID:	DP-01	DP-02	DP-03	DP-04	DP-05	DP-06	DP-07	DUPLICATE	FB	MW-1	MW-3	TB	TB-1	NYS
Collection Date:	02/14/00	02/14/00	02/14/00	02/15/00	02/15/00	02/15/00	02/15/00	02/15/00	02/15/00	03/01/00	03/01/00	02/09/00	03/01/00	Standard
Units:	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
alpha-BHC	0.050 U	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 UJ	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 U			0.01
beta-BHC *	0.050 U	0.050 UJ	0.050 U	0.050 U	0.050 U	0.092 JN	0.18 JN	0.050 U	0.050 U	0.050 U	0.050 U			0.04
delta-BHC	0.050 U	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 UJ	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 U			0.04
gamma-BHC (Lindane)	0.050 U	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 UJ	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 U			0.05
Heptachlor	0.050 U	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 UJ	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 U			0.04
Aldrin	0.050 U	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 UJ	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 U			ND
Heptachlor epoxide	0.050 U	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 UJ	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 U			0.03
Endosulfan I	0.050 U	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 UJ	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 U			NS
Dieldrin	0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 U			0.004
4,4'-DDE	0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 U			0.2
Endrin	0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 U			ND
Endosulfan II	0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 U			NS
4,4'-DDD	0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 U			0.3
Endosulfan sulfate	0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 U			NS
4,4'-DDT	0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 U			0.2
Methoxychlor	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U			35
Endrin ketone	0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 U			5
Endrin aldehyde	0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 U			5
alpha-chlordane	0.050 U	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 UJ	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 U			0.2 *
gamma-chlordane	0.050 U	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 UJ	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 U			0.2 *
Toxaphene	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U			.06
Aroclor-1016	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U			0.09 *
Aroclor-1221	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	4.0 UJ	4.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U			0.09 *
Aroclor-1232	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U			0.09 *
Aroclor-1242	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U			0.09 *
Aroclor-1248	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U			0.09 *
Aroclor-1254	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U			0.09 *
Aroclor-1260	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U			0.09 *

Table 5
Total Metals Analytical Results Summary
East Hampton Aire

Sample ID:	*DP-01*	*DP-02*	*DP-03*	*DP-04*	*DP-05*	*DP-06*	*DP-07*	*DUPLICATE*	*FB*	*MW-1*	*MW-3*	*TB*	*TB-1*	*NYS*
Collection Date:	*02/14/00*	*02/14/00*	*02/14/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*03/01/00*	*03/01/00*	*02/09/00*	*03/01/00*	*Standard*
Units:	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
Aluminum	615	7010	5750	13500	11300	2710	5750	7030	27.0 B	109 B	47.0 B			2000 E
Antimony	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U			3
Arsenic	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U			25
Barium	17.1 B	149 B	156 B	238	194 B	118 B	103 B	218	1.2 U	10.8 B	10.7 B			1000
Beryllium	0.20 U	0.54 B	0.49 B	0.73 B	0.74 B	0.20 U	0.45 B	0.43 B	0.20 U	0.20 U	0.20 U			3 G
Cadmium	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	2.5 B	1.3 B	0.40 U	0.40 U	2.5 B	0.40 U			5
Calcium	2680 B	5900	9950	5650	8030	9640	4500 B	11200	110 B	3640 B	3110 B			NS
Chromium	5.2 B	140	71.6	32.8	26.1	27.4	27.9	83.7	0.89 U	0.89 U	0.89 U			50
Cobalt	3.6 B	8.6 B	19.6 B	21.5 B	16.5 B	4.6 B	12.2 B	21.6 B	2.1 U	2.1 U	2.1 U			NS
Copper	1.5 U	38.1	26.0	18.1 B	15.0 B	10.2 B	11.7 B	31.4	1.5 U	4.9 B	1.5 U			200
Iron	1070	26500	16500	11700	10300	7610	8590	20000	15.7 B	71.6 B	12.6 B			300
Lead	1.6 U	9.3	17.0	15.9	13.3	6.3	11.5	23.4	1.6 U	1.6 U	1.6 U			25
Magnesium	1400 B	2030 B	1990 B	2380 B	1910 B	1670 B	1210 B	2320 B	10.5 B	545 B	1510 B			35000 G
Manganese	977	912	2590	2970	2090	4040	5720	3540	1.1 B	21.9	6.2 B			300
Mercury	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U			0.7
Nickel	5.1 B	26.7 B	26.5 B	24.7 B	15.4 B	11.4 B	12.6 B	38.2 B	2.0 U	2.0 U	2.0 U			100
Potassium	1180 J	1510 J	1120 J	1130 J	1240 J	1450 J	1090 J	1260 J	10.0 U	281 J	480 J			NS
Selenium	2.7 UJ	2.7 UJ	2.7 UJ	2.7 UJ	2.7 UJ	2.7 UJ	6.2 J	2.7 UJ	2.7 UJ	2.7 UJ	2.7 UJ			10
Silver	0.70 U	0.70 U	0.70 U	0.82 B	0.70 U	0.85 B	1.3 B	0.82 B	0.70 U	0.70 U	0.70 U			50
Sodium	4270 B	5930	4680 B	5110	5800	4220 B	3740 B	4330 B	145 B	2270 B	3170 B			20000
Thallium	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U			0.5 G
Vanadium	1.3 U	8.5 B	4.5 B	6.4 B	6.3 B	3.7 B	5.2 B	5.7 B	1.3 U	1.3 U	1.3 U			NS
Zinc	2.3 B	109	20.6	14.0 B	11.6 B	11.8 B	10.0 B	24.4	1.3 U	75.0	1.3 U			2000 G

ANALYTICAL DATA TABLE NOTES

NOTES:

** The sum of all phenols must not exceed 1.

* The sum of all forms must not exceed the value shown

* GA standard= Groundwater Discharge Standards, 6 NYCRR Parts 700-705

S = standard value

G = guidance value

B = entered if the report value is less than the Contract Required Detection Limit (CRDL) but greater than the Instrumentation Detection Limit

E= groundwater effluent limitation

N = matrix spike sample recovery not within control limits

NONE = no standard or guidance value

NS = GA standard is below detection limit

N/A = Not analyzed due to laboratory error in detection limits

ND = None Detectable

Highlighted cells indicate groundwater standard exceedances

Organic Data Qualifiers:

J = The associated numerical value is an estimated quantity.

U = The compound was analyzed for but not detected at or above the Contract Required Quantitation Limit

(CRQL), or the compound is not detected due to qualification through the method or field blank

UJ = The compound was analyzed for, but not detected. The sample quantitation limit is an estimated quantity due to variance in quality control limits.

Table 6
Tentatively Identified Compounds
East Hampton Aire

Sample ID:	*DP-01*	*DP-02*	*DP-03*	*DP-04*	*DP-05*	*DP-06*	*DP-07*	*DUPLICATE*	*FB*	*MW-1*	*MW-3*	*TB*	*TB-1*
Collection Date:	*02/14/00*	*02/14/00*	*02/14/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*03/01/00*	*03/01/00*	*02/09/00*	*03/01/00*
Units:	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
Unknown Aldole Condensate	8 R	11 R	7 R	7 R	7 R	9 R	5 R	3 R	N D	6 R	4 R	N D	N D
Unknown Siloxane(*)	N D	7 R	N D	N D	N D	N D	N D	N D	N D	N D	36 R	N D	N D
Unknown Benzene Isomer	N D	5 J	N D	N D	N D	5 J	3 J	N D	N D	N D	N D	N D	N D
Unknown Alkane, Straight Chai	N D	8 J	N D	N D	N D	N D	N D	N D	N D	N D	N D	N D	N D
C4 Subst. Benzene Isomer	N D	6 J	N D	N D	N D	16 J	7 J	N D	N D	N D	N D	N D	N D
Dihydro-Dimethyl Indene Isomer	N D	4 J	N D	N D	N D	N D	N D	N D	N D	N D	N D	N D	N D
Unknown Alkane, Branched	N D	4 J	N D	N D	N D	N D	N D	N D	N D	N D	N D	N D	N D
Methyl-naphthalene Isomer	N D	4 J	N D	N D	N D	N D	N D	N D	N D	N D	N D	N D	N D
Unknown Alkane, Cyclic	N D	21 J	N D	N D	N D	N D	N D	N D	N D	N D	N D	N D	N D
Dimethly-naphthalene Isomer	N D	4 J	N D	N D	N D	N D	N D	N D	N D	N D	N D	N D	N D
Benzene, 1-ethyl-2-methyl-	N D	N D	N D	N D	N D	6 JN	3 JN	N D	N D	N D	N D	N D	N D
C3 Subst. Benzene	N D	N D	N D	N D	N D	6 J	3 J	N D	N D	N D	N D	N D	N D
Unknown aromatic	N D	N D	N D	N D	N D	8 J	N D	N D	N D	N D	N D	N D	N D
Naphthalene, 1,2,3,4-tetrahydro-	N D	N D	N D	N D	N D	9 JN	3 JN	N D	N D	N D	N D	N D	N D
Naphthalene	N D	N D	N D	N D	N D	9 JN	N D	N D	N D	N D	N D	N D	N D
Diethylbenzene Isomer	N D	N D	N D	N D	N D	4 J	N D	N D	N D	N D	N D	N D	N D
Tetrahydro-Naphthalene Isomer	N D	N D	N D	N D	N D	9 J	N D	N D	N D	N D	N D	N D	N D
1-Adamantanol	N D	N D	N D	N D	N D	5 NJ	N D	N D	N D	N D	N D	N D	N D
Unknown Acid	N D	N D	N D	N D	N D	8 J	8 J	N D	N D	N D	N D	N D	N D
Unknown PAH	N D	N D	N D	N D	N D	4 J	N D	N D	N D	N D	N D	N D	N D

Notes:
ND = Not Detected
J = Indicates estimated value
A = Indicates that a TIC is a suspected aldol-condensation product
B = Indicates the analyte is found in the associated blank as well as in the sample
N = Indicates presumptive evidence of a compound
* Indicates suspected leaching of siloxanes from treated extraction glassware

Table 7
Volatiles Analytical Soil Results Summary
Easthampton Aire

Sample ID:	*DP-01 28'-32'*	*DP-02 0'-4"*	*DP-04 14'-16'*	*DP-05 16'-20'*	*DP-06 20'-24'*	*DP-07 12'-16'*	*DUPLICATE*	*FIELD BLANK*	*Soil Cleanup Objective*
Collection Date:	*02/14/00*	*02/14/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*to Protect GW*
Units:	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/kg)
Chloromethane	11 UJ	11 UJ	10 UJ	10 U	10 U	10 U	10 U	1 U	-
Bromomethane	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	-
Vinyl chloride	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	120
Chloroethane	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	1900
Methylene chloride	11 U	11 U	10 UJ	10 U	10 U	10 U	10 U	2 U	100
Acetone	11 U	11 U	10 U	10 U	10 U	10 U	10 U	5 R	110
Carbon disulfide	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	2700
1,1-Dichloroethene	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	400
1,1-Dichloroethane	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	100
1,2-Dichloroethene (Total)	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	300
2-Butanone	11 U	11 U	10 U	10 U	10 U	10 U	10 U	5 UJ	300
Chloroform	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	300
1,2-Dichloroethane	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	100
1,1,1-Trichloroethane	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	760
Carbon tetrachloride	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	600
Bromodichloromethane	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	-
1,2-Dichloropropane	11 UJ	11 UJ	10 UJ	10 U	10 U	10 U	10 U	1 U	-
cis-1,3-Dichloropropene	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	-
Trichloroethene	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	700
Benzene	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	60
Dibromochloromethane	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	N/A
trans-1,3-Dichloropropene	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	-
1,1,2-Trichloroethane	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	-
Bromoform	11 U	11 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	1 U	-
4-Methyl-2-pentanone	11 U	11 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	5 U	1000
2-Hexanone	11 U	11 U	10 U	10 U	10 U	10 U	10 U	5 U	-
Tetrachloroethene	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	1400
1,1,2,2-Tetrachloroethane	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	600
Toluene	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	1500
Chlorobenzene	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	1700
Ethylbenzene	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	5500
Styrene	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	-
Xylenes (total)	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	1200

Table 8
Semi-Volatiles Soil Analytical Results Summary
Easthampton Aire

Sample ID:	*DP-01 28'-32'*	*DP-02 0'-4"*	*DP-04 14'-16'*	*DP-05 16'-20'*	*DP-06 20'-24'*	*DP-07 12'-16'*	*DUPLICATE*	*FIELD BLANK*	*Soil Cleanup Objective*
Collection Date:	*02/14/00*	*02/14/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*to Protect GW*
Units:	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/kg)
2-Methylphenol	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	100
N-Nitroso-di-n-propylamine	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	-
4-Methylphenol	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	900
Hexachloroethane	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	-
Nitrobenzene	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	-
Isophorone	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	4400
2-Nitrophenol	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	330
2,4-Dimethylphenol	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	-
bis(2-Chloroethoxy)methane	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	-
2,4-Dichlorophenol	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	400
1,2,4-Trichlorobenzene	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	-
Naphthalene	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	13000
4-Chloroaniline	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	220
Hexachlorobutadiene	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	-
4-Chloro-3-methylphenol	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	240
2-Methylnaphthalene	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	36400
Hexachlorocyclopentadiene	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	-
2,4,6-Trichlorophenol	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	-
2,4,5-Trichlorophenol	870 U	900 U	860 U	860 U	860 U	860 U	860 U	10 U	100
2-Chloronaphthalene	350 U	360 U	340 U	340 U	340 U	340 U	340 U	25 U	-
2-Nitroaniline	870 U	900 U	860 U	860 U	860 U	860 U	860 U	10 U	430
Acenaphthylene	350 U	360 U	340 U	340 U	340 U	340 U	340 U	25 U	41000
2,6-Dinitrotoluene	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	1000
3-Nitroaniline	870 U	900 U	860 U	860 U	860 U	860 U	860 U	10 U	500
Acenaphthene	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	90000
2,4-Dinitrophenol	870 U	900 U	860 U	860 U	860 U	860 U	860 U	25 U	200
Dibenzofuran	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	6200
4-Nitrophenol	870 U	900 U	860 U	860 U	860 U	860 U	860 U	25 U	100
2,4-Dinitrotoluene	350 U	360 U	340 U	340 U	340 U	340 U	340 U	25 U	-
Fluorene	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	350000
Dimethylphthalate	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	2000
Diethylphthalate	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	7100
4-Chlorophenyl-phenylether	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	-
4-Nitroaniline	870 U	900 U	860 U	860 U	860 U	860 U	860 U	10 U	-
4,6-Dinitro-2-methylphenol	870 U	900 U	860 U	860 U	860 U	860 U	860 U	25 U	-
N-Nitrosodiphenylamine	350 U	360 U	340 U	340 U	340 U	340 U	340 U	25 U	-
4-Bromophenyl-phenylether	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	-
Hexachlorobenzene	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	1400
Pentachlorophenol	870 U	900 U	860 U	860 U	860 U	860 U	860 U	10 U	1000
Phenanthrene	350 U	360 U	340 U	340 U	67 J	340 U	340 U	25 U	220000

Table 8 (continued)
Semi-Volatiles Soil Analytical Results Summary
Easthampton Aire

Sample ID:	*DP-01 28'-32'*	*DP-02 0'-4'"*	*DP-04 14'-16'*	*DP-05 16'-20'*	*DP-06 20'-24'*	*DP-07 12'-16'*	*DUPLICATE*	*FIELD BLANK*	*Soil Cleanup Objective*
Collection Date:	*02/14/00*	*02/14/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*to Protect GW*
Units:	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/kg)
Anthracene	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	70000
Di-n-butylphthalate	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	8100
Fluoranthene	350 U	360 U	340 U	340 U	130 J	340 U	340 U	10 U	1900000
Pyrene	350 U	360 U	340 U	340 U	100 J	340 U	340 U	10 U	665000
Butylbenzylphthalate	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	121500
Benzo[a]anthracene	350 U	360 U	340 U	340 U	60 J	340 U	340 U	10 U	3000
3,3'-Dichlorobenzidine	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	N/A
Chrysene	350 U	360 U	340 U	340 U	98 J	340 U	340 U	10 U	400
bis(2-Ethylhexyl)phthalate	350 U	360 U	340 U	340 U	100 J	220 J	340 U	10 U	435000
Di-n-octylphthalate	42 J	360 U	340 U	340 U	74 J	210 J	340 U	10 U	120000
Benzo[b]fluoranthene	350 U	360 U	340 U	340 U	64 J	340 U	340 U	10 U	1100
Benzo[k]fluoranthene	350 UJ	360 UJ	340 UJ	340 UJ	80 J	340 UJ	340 UJ	10 U	1100
Benzo[a]pyrene	350 U	360 U	340 U	340 U	51 J	340 U	340 U	10 U	11000
Indeno[1,2,3-cd]pyrene	350 U	360 U	340 U	340 U	40 J	340 U	340 U	10 U	3200
Dibenz[a,h]anthracene	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	165000000
Benzo[g,h,i]perylene	350 U	360 U	340 U	340 U	50 J	340 U	340 U	10 U	800000
bis(2-Chloroethyl)ether	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	-
Carbazole	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	-

Table 9
Pesticides/PBC's Soil Analytical Results Summary
Easthampton Aire

Sample ID:	*DP-01 28'-32'*	*DP-02 0'-4"*	*DP-04 14'-16'*	*DP-05 16'-20'*	*DP-06 20'-24'*	*DP-07 12'-16'*	*DUPLICATE*	*FIELD BLANK*	*Soil Cleanup Objective*
Collection Date:	*02/14/00*	*02/14/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*to Protect GW*
Units:	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/kg)
alpha-BHC	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.050 U	200
beta-BHC	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.050 U	200
delta-BHC	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.050 U	300
gamma-BHC (Lindane)	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.050 U	60
Heptachlor	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.050 U	100
Aldrin	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.050 U	500
Heptachlor epoxide	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.050 U	20
Endosulfan I	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.050 U	900
Dieldrin	3.5 U	3.6 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	0.10 U	100
4,4'-DDE	3.5 U	3.6 U	3.4 U	3.4 U	2.2 J	3.4 U	3.4 U	0.10 U	4400
Endrin	3.5 U	3.6 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	0.10 U	100
Endosulfan II	3.5 U	3.6 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	0.10 U	900
4,4'-DDD	3.5 U	3.6 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	0.10 U	7700
Endosulfan sulfate	3.5 U	3.6 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	0.10 U	1000
4,4'-DDT	3.5 U	3.6 U	3.4 U	3.4 U	2.2 J	3.4 U	3.4 U	0.10 U	2500
Methoxychlor	18 UJ	18 UJ	18 UJ	18 UJ	18 UJ	18 UJ	18 UJ	0.50 UJ	900000
Endrin ketone	3.5 U	3.6 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	0.10 U	N/A
Endrin aldehyde	3.5 U	3.6 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	0.10 U	-
alpha-chlordane	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.050 U	-
gamma-chlordane	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.050 U	-
Toxaphene	180 U	180 U	180 U	180 U	180 U	180 U	180 U	5.0 U	-
Aroclor-1016	35 U	36 U	34 U	34 U	34 U	34 U	34 U	1.0 U	10000
Aroclor-1221	70 U	73 U	70 U	70 U	70 U	69 U	70 U	2.0 U	10000
Aroclor-1232	35 U	36 U	34 U	34 U	34 U	34 U	34 U	1.0 U	10000
Aroclor-1242	35 U	36 U	34 U	34 U	34 U	34 U	34 U	1.0 U	10000
Aroclor-1248	35 U	36 U	34 U	34 U	34 U	34 U	34 U	1.0 U	10000
Aroclor-1254	35 U	36 U	34 U	34 U	34 U	34 U	34 U	1.0 U	10000
Aroclor-1260	35 U	36 U	34 U	34 U	34 U	34 U	34 U	1.0 U	10000

Table 10
Total Metals Soil Analytical Results Summary
Easthampton Aire

Sample ID:	*DP-01 28'-32'*	*DP-02 0'-4"*	*DP-04 14'-16'*	*DP-05 16'-20'*	*DP-06 20'-24'*	*DP-07 12'-16'*	*DUPLICATE*	*FIELD BLANK*	*NYSDEC*	*Site*
Collection Date:	*02/14/00*	*02/14/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*TAGM*	*Background*
Units:	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(ug/L)	(mg/Kg)	(mg/Kg)
Aluminum	2240	1090	998	1370	1160	946	1600	14.0 U	SB	16491
Antimony	0.34 U	0.35 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	3.2 U	SB	13.1
Arsenic	0.79 B	0.33 U	0.31 U	0.31 U	0.31 U	0.50 B	0.31 U	3.0 U	7.5 or SB	2.8
Barium	5.6 B	2.7 B	4.5 B	4.0 B	4.1 B	3.1 B	4.3 B	1.2 U	300 or SB	29.9
Beryllium	0.095 B	0.029 B	0.057 B	0.070 B	0.043 B	0.057 B	0.098 B	0.20 U	1.0 or SB	0.43
Cadmium	0.042 U	0.044 U	0.042 U	0.041 U	0.042 U	0.041 U	0.041 U	0.40 U	1 or SB	1.5
Calcium	74.4 U	58.4 U	80.4 U	73.8 U	124 U	87.5 U	74.3 U	177 B	SB	434
Chromium	4.6	8.7	2.1	2.5	13.1	5.7	2.3	0.89 U	10 or SB	14.2
Cobalt	2.6 B	0.88 B	0.70 B	0.99 B	1.2 B	0.70 B	1.0 B	2.0 U	30 or SB	3
Copper	8.0 J	2.3 J	1.5 B	1.5 B	2.9 J	1.8 J	1.8 J	1.5 U	25 or SB	6.5
Iron	4930 J	2890 J	1950 J	2590 J	3220 J	2000 J	2890 J	9.3 B	2000 or SB	14429
Lead	5.5	1.4	0.97	1.2	1.4	1.2	1.2	1.6 U	30 or SB	15.8
Magnesium	515 B	272 B	210 B	195 B	290 B	186 B	230 B	19.8 B	SB	2122
Manganese	85.1 J	35.7 J	62.0 J	170 J	43.6 J	41.2 J	188 J	0.60 U	SB	148
Mercury	0.052 U	0.052 U	0.042 U	0.049 U	0.050 U	0.052 U	0.043 U	0.10 U	0.1	0.15
Nickel	3.1 B	1.4 B	1.5 B	2.2 B	1.6 B	1.3 B	2.4 B	2.0 U	13 or SB	11.5
Potassium	75.8 B	66.3 B	88.5 B	88.9 B	156 B	87.4 B	90.6 B	10.2 B	SB	628
Selenium	0.31 J	0.29 UJ	0.32 J	0.28 UJ	0.32 J	0.51 J	0.28 UJ	2.7 U	2 or SB	0.41
Silver	0.072 U	0.075 U	0.072 U	0.072 U	0.11 B	0.071 U	0.072 U	0.69 U	SB	2
Sodium	47.1 U	43.1 U	64.3 U	81.9 U	72.3 U	49.3 U	63.7 U	434 B	SB	196
Thallium	0.42 U	0.44 U	0.42 U	0.41 U	0.42 U	0.41 U	0.41 U	4.0 U	SB	0.35
Vanadium	9.0	3.8 B	2.8 B	3.4 B	4.4 B	2.8 B	3.8 B	1.3 U	150 or SB	25.2
Zinc	11.8 J	4.0 J	5.3 J	8.0 J	5.2 J	3.2 J	5.9 J	1.7 B	20 or SB	22.4

ANALYTICAL DATA TABLE NOTES

NOTES:

** The sum of all phenols must not exceed 1.

* The sum of all forms must not exceed the value shown

* GA standard= Groundwater Discharge Standards, 6 NYCRR Parts 700-705

S = standard value

G = guidance value

B = entered if the report value is less than the Contract Required Detection Limit (CRDL) but greater than the Instrumentation Detection Limit

E= groundwater effluent limitation

N = matrix spike sample recovery not within control limits

NONE = no standard or guidance value

NS = GA standard is below detection limit

N/A = Not analyzed due to laboratory error in detection limits

ND = None Detectable

Highlighted cells indicate groundwater standard exceedances

SB - Site Background

Organic Data Qualifiers:

J = The associated numerical value is an estimated quantity.

U = The compound was analyzed for but not detected at or above the Contract Required Quantitation Limit

(CRQL), or the compound is not detected due to qualification through the method or field blank

UJ = The compound was analyzed for, but not detected. The sample quantitation limit is an estimated quantity due to variance in quality control limits.

Table 11
Semi-Volatile Soil Organics Analysis Data Sheet
Tentatively Identified Compounds
East Hampton Aire

Sample ID:	*DP-01 28'-32'*	*DP-02 0'-4"*	*DP-04 14'-16'*	*DP-05 16'-20'*	*DP-06 20'-24'*	*DP-07 12'-16'*	*DUPLICATE*
Collection Date:	*02/14/00*	*02/14/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*
Units:	*(UG/KG)*	*(UG/KG)*	*(UG/KG)*	*(UG/KG)*	*(UG/KG)*	*(UG/KG)*	*(UG/KG)*
Unknown Aldole Condensate	5900 R	5800 R	5700 R	5700 R	5900 R	6200 R	6200 R
Unknown Hydrocarbon	N D	15 J	N D	N D	N D	N D	N D
Unknown Alkane, Branched	N D	860 J	N D	N D	N D	N D	N D
Unknown Alkane, Straight Chai	N D	480 J	N D	N D	N D	N D	N D
Unknown Alkane, Cyclic	N D	180 J	N D	N D	N D	N D	N D

Notes:
ND = Not Detected
J = Indicates estimated value
A = Indicates that a TIC is a suspected aldol-condensation product
B = Indicates the analyte is found in the associated blank as well as in the sample
N = Indicates presumptive evidence of a compound
* Indicates suspected leaching of siloxanes from treated extraction glassware

2.0 USEPA SITE INSPECTION QUESTIONNAIRE

SITE SUMMARY

Provide a brief description of the site and its operational history. State the site name, owner, operator, type of facility and operations, size of property, active of inactive status, and years of waste generation. Summarize waste treatment, storage, or disposal activities that have or may have occurred at the site; note whether these activities are documented or alleged. Identify all source types and prior spills, floods, or fires. Summarize highlights of the PA and other investigations if available. Include the following:

SITE CONDITIONS AND BACKGROUND

1. PHYSICAL LOCATION

The East Hampton Aire site (NYSDEC Site ID #152156) is located on Industrial Road in the Village of Wainscott, (Suffolk County) New York. A location plan is provided on Figure 1. The site area is generally light industrial with the East Hampton Airport to the north and east, a wooded area to the west and Industrial Road to the south. The site coordinates are 40^{o} 57' 23" (latitude) and 72^{o} 14' 58" (longitude).

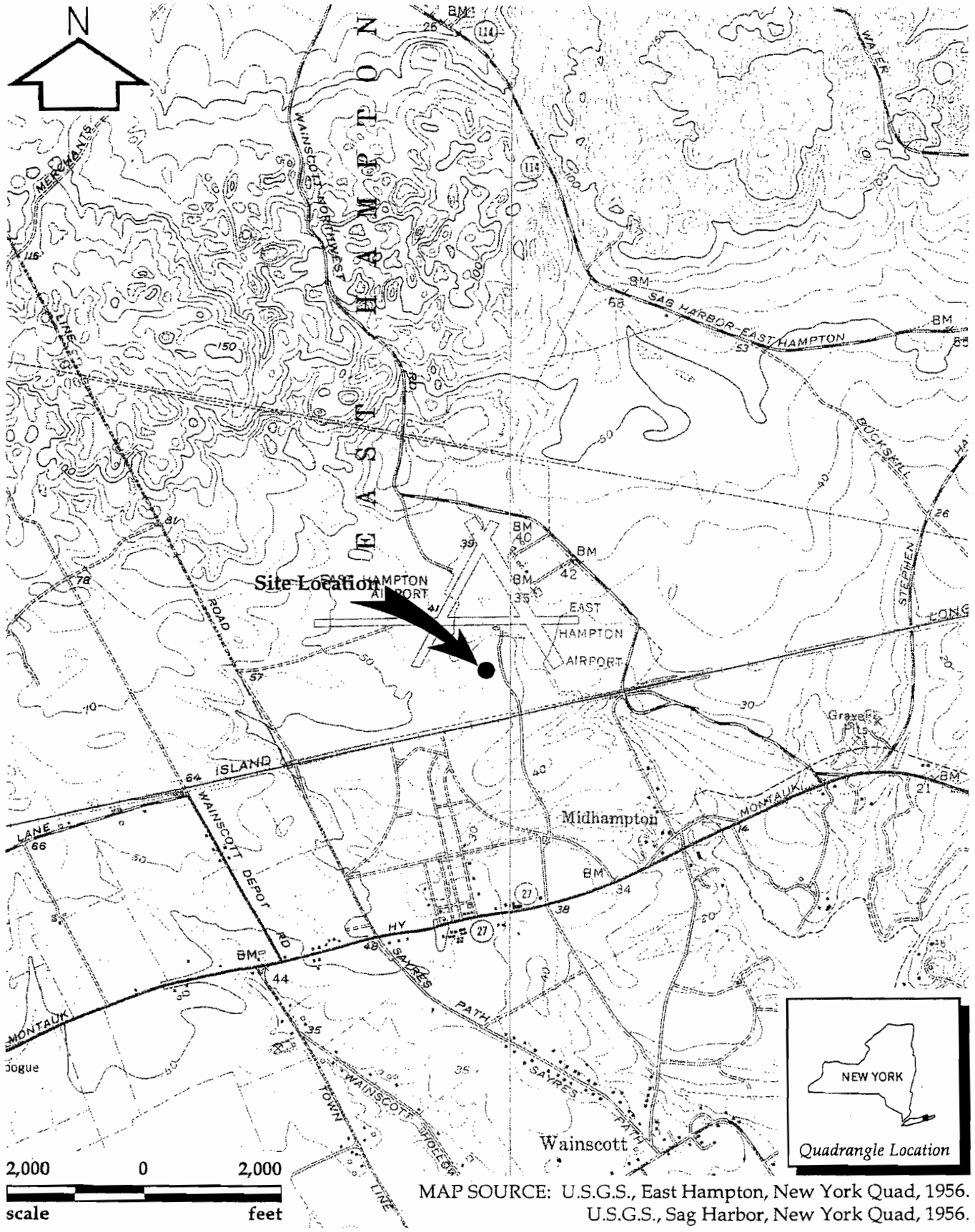
2. SITE CHARACTERISTICS

The East Hampton Aire site is currently occupied by East Hampton Airlines. The onsite facilities include the main building which houses offices, a maintenance area and an airplane hanger. Numerous vehicles and equipment are also stored on-site. Activities at the facility include flight operations and control, training, aircraft maintenance and office space. A leach pool and two corresponding overflow pools are located to the north of the hanger, a septic tank and one corresponding overflow pool are located to the east of the hanger and a sanitary pool and leach pool are located to the south of the hanger. The pools located to the north of the hanger are connected to the hanger floor drain system and the sanitary pool located to the south of the hanger is connected to an interior slop sink. The septic tank is used for sanitary waste. No documentation was identified in the files regarding the connection of the leachpool located to the south of the hanger. A propane tank is located to the north of the hanger and a 1,000 gallon is located to the southwest of the hanger. A site map is provided as Figure 2.

The main building and area to the east and south is generally flat with no apparent slope. The area directly to the north and west of the building slopes sharply and rises approximately 4 to 6 feet and then becomes level. Based on Figure 1 the site is approximately 40 feet above mean sea level (MSL). Surrounding properties are also flat with no apparent slope. The nearest surface water body is Georgica Pond located ¾ miles to the southeast of the site.

The East Hampton Aire site is located in an area consisting of a relatively flat, gently south sloping, glacial outwash plain. Beneath the site area are unconsolidated sediments of Pleistocene and Cretaceous age.

The area is directly underlain by glacial outwash of highly permeable fine to coarse quartzitic sands with gravel. These glacial deposits comprise the Upper Glacial aquifer and are approximately 130 feet thick within the study area. Porosity within such deposits

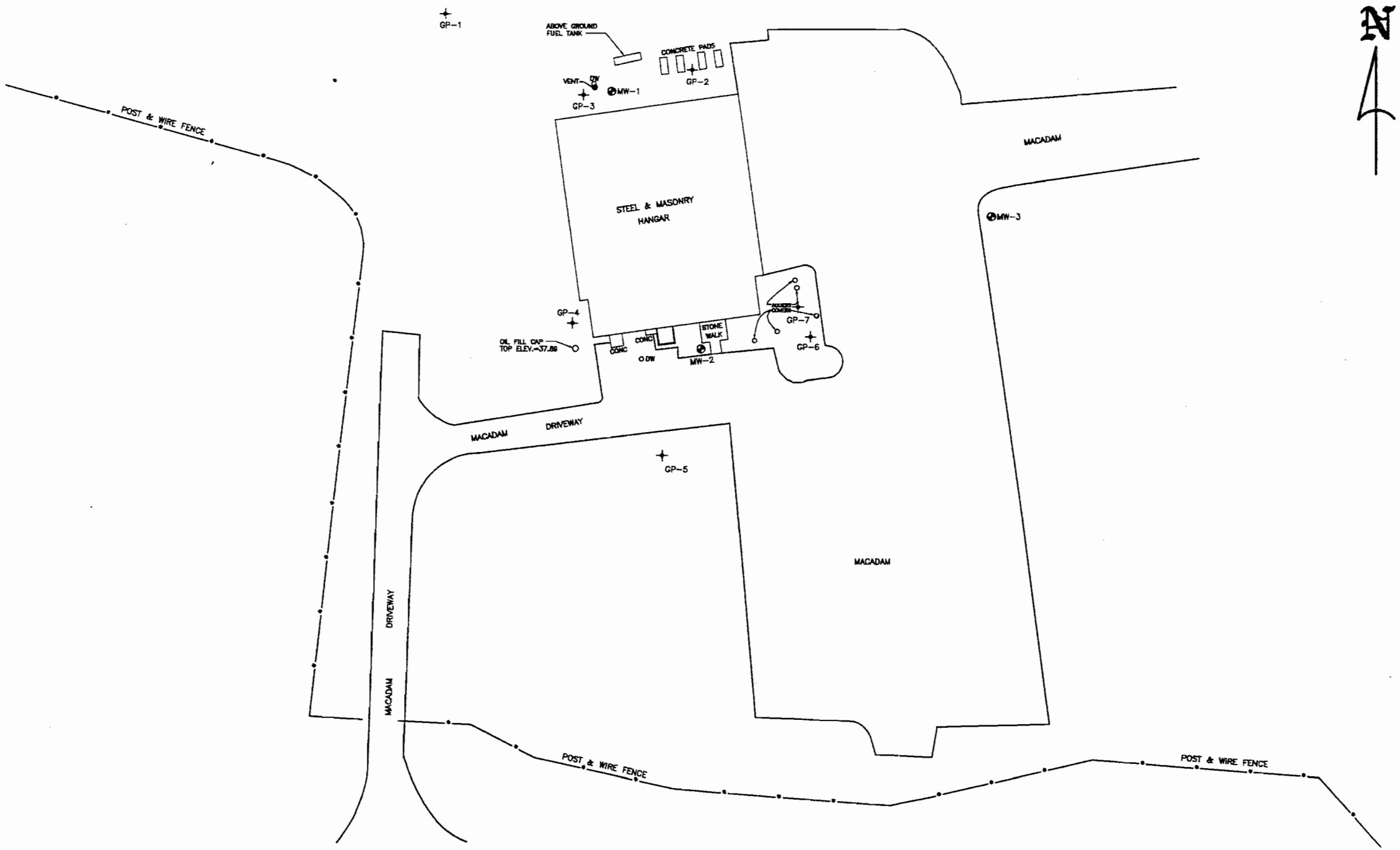


MAP SOURCE: U.S.G.S., East Hampton, New York Quad, 1956.
U.S.G.S., Sag Harbor, New York Quad, 1956.

O:\KALNY\Suffolk Sites\East Hampton Aire\Figure 1-East Site-USGS

CDM Camp Dresser & McKee

Figure 1
East Hampton Aire Site Location



N

WELL ELEVATIONS

WELL I.D.	TOP OF CASING	TOP OF PVC
MW-1	35.30	34.71
MW-2	36.07	35.94
MW-3	34.53	34.44

WELLS ARE FLUSH MOUNT

LEGEND

- MONITORING WELL
- GEOPROBE POINT

NOTES:

1. DATE OF FIELD SURVEY: FEBRUARY 3, 2000
2. VERTICAL DATUM: NGVD 1929
3. HORIZONTAL DATUM: ASSUMED
4. ADDITIONAL SURVEY: MARCH 16, 2000 (GEOPROBE POINTS)

SCALE

30 15 0 30 FT.

REVISIONS	YEC, INC.
	VALLEY COTTAGE NEW YORK
	EAST HAMPTON AIRE SURVEY
	TOWN OF EAST HAMPTON
	SUFFOLK COUNTY, NEW YORK

DATE:	SCALE:	DRAWN BY:	CHECKED BY:	JOB NO.
MAR.2000	1" = 30'	MBV	DRS	A0231

T:\95\11\A0231\ shorylm 05/05/10 10:54:42 8.48.42 KALMTOP

can be as high as 30 to 40 percent and average hydraulic conductivity's of 1.8×10^5 gpd/ft^2, and transmissivities of 2.3×10^5 gpd/ft are common.

Below the Upper Glacial aquifer lies the Magothy aquifer consisting of Cretaceous aged high to moderately permeable sands, silts, and gravels. The Magothy aquifer is over 700 feet thick within the site area and is the primary source of drinking water for Suffolk County residents. The Magothy aquifer has an estimated horizontal hydraulic conductivity of 50 ft/day (1.7×10^{-10} cm/sec) but individual sandy and gravelly beds may have values four to five times higher (Kimmel & Braids, USGS Prof. Paper 1085).

The Raritan Clay consisting of Cretaceous aged deltaic clay and silty clay beds underlie the Magothy aquifer and acts as an effective aquiclude or confining unit having a hydraulic conductivity of approximately 1.0×10^{-3} ft/day. Below the Raritan Clay is the Lloyd Sand member, which lies unconformably on Pre-Cambrian aged bedrock and is of Cretaceous age. It is composed of highly variable sands, gravels, and clays of a deltaic origin and has a moderate hydraulic conductivity of 40 ft/day (1.3×10^{-2} cm/sec) (Kimmel & Braids, USGS Prof. Paper 1085). The Llyod Sand member, or Llyod aquifer, is presently a minor source of drinking water within Suffolk County due primarily to its extreme depth.
REF: 1

3. RELEASE OR THREATENED RELEASE INTO THE ENVIRONMENT OF A HAZARDOUS SUBSTANCE, OR POLLUTANT OR CONTAMINANT

A review of the regulatory agency files identified a number of hazardous releases at the site. A correspondence dated February 21, 1992, from KBF Pollution Management to American Environmental Assessment, Corp. included analytical results of dry well samples collected in February of 1992. No report or information regarding the sampling of the dry wells was identified in the files. The sampling method and sampling locations are unknown. Therefore the reliability of these results is unknown. The results of this analysis identified high concentrations of volatile organic compounds in all dry well samples, the most contaminated being dry well # 2 including: 1,1-dichloroethene (449 ppm), 1,2-dichloroethane (76 ppm), tetrachloroethene (61.8 ppm), toluene (49.6 ppm), 1,1,1-trichloroethene (2,920 ppm) and trichloroethene (60.8 ppm). Additionally, numerous semi-volatile organic compounds were identified in dry well sample # 2 including: 1,4-dichlorobenzene (13 ppm), 4-methylphenol (700 ppm), naphthalene (210 ppm), bis (2-ethylhexyl)phthalate (46 ppm). The other dry wells were also contaminated with similar VOCs and SVOCs.

A report dated October 7, 1996 was prepared by Porcello Engineering, Inc. and submitted to the NYSDEC. The report described the removal of approximately 3 to 5 yards of sediment and liquid from each dry well and all liquid from the septic tank. Approximately 2 yards of contaminated soil was excavated from the area beneath a former above ground 10,000 gallon kerosene storage tank and 2 yards of contaminated soil was removed from a former drum storage area. End point samples were obtained from the excavations and were split with the SCDHS, Porcello never analyzed their samples.

According to the Porcello report two 4 inch monitoring wells were installed and sampled and an existing well was also sampled. The results of the sampling identified the following contaminates in the wells samples:

Compound	MW-01	MW-02	MW-03
Diethylphthalate	-	3.86 ug/L	3.86 ug/L
Di-n-Butylphalate	-	4.22 ug/L	4.22 ug/L
Alpha-chlordane	2 ug/L	3 ug/L	3 ug/L
Endosufane I	-	3 ug/L	4 ug/L
Phenol	8 ug/L	5 ug/L	8 ug/L
Antimony	450 ug/L	360 ug/L	360 ug/L
Copper	20 ug/L	20 ug/L	30 ug/L
Thallium	180 ug/l	170 ug/L	180 ug/L

The report had a number of inconsistencies that were discussed in a letter dated November 12, 1996 from Robert Seyfarth of the SCDHS to Stephen Sellinger of the NYSDEC. Some of the inconsistencies included improper sample handling, failure to analyze samples, improper monitoring well location, and a groundwater contour map that contradicts regional groundwater flow.

A letter dated December 8, 1995 indicated that no additional soil extraction was required at the site after analysis by the SCDHS of end point samples obtained during the cleanup. During a SCDHS investigation on July 13, 1995 dye testing was performed to confirm that floor drains located inside the hanger were connected to the outside leach pool. Upon confirmation of this connection, sludge samples were obtained from two onsite leaching pools located to the north of the hanger. The following compounds were identified in the primary leach pool sludge:

Organics		Metals	
Ethylbenzene	110 ppb	Aluminum	2,500 ugm/gm
Xylene(s)	790 ppb	Barium	20 ugm/gm
n-Propylbenzene	740 ppb	Cadmium	10 ugm/gm
p-Ethyltolune	2,400 ppb	Chromium	10 ugm/gm
1,3,5-Trimethylbenzene	3,700 ppb	Copper	50 ugm/gm
1,2,4-Trimethylbenzene	5,000 ppb	Iron	4,300 ugm/gm
sec-Butylbenzene	1,200 ppb	Lead	160 ugm/gm
1,2,4,5-Tetramethylbenzene	2,700 ppb	Manganese	20 ugm/gm
Napthalene	3,500 ppb	Zinc	120 ugm/gm

REF: 1, 2, 3 & 4

4. SITE ASSESSMENT ACTIVITIES/OBSERVATIONS

CDM completed a review of all available NYSDEC and SCDHS records and historical maps. Public records documenting the activities at East Hampton Aire date back to the early 1980s. According to record documents East Hampton Aire, Inc., a small commuter airline, operated at the site from the early 1970s until mid 1991. The president of East Hampton Aire, Inc. during its time of operation was George S. Gordon. During its time of operation East Hampton Aire, Inc. leased the property from the Town of East Hampton. According to record documents the Town of East Hampton is the current owner of the property and the facility is presently being leased to East Hampton Airlines. No historical fire insurance maps were identified for the site and its vicinity during a Sanborn Map database search.

During East Hampton Aire's period of operation, numerous above and below ground storage tanks were installed and removed from the subject property. In 1976 a plain steel 10,000 gallon above ground kerosene storage tank was installed to the north of the hanger. In 1978, three underground steel storage tanks were installed to the south of the hanger. Two tanks, one 6,000 gallon and one 10,000 gallon were used to store aviation fuel and one 1,000 gallon tank was used to store gasoline. The underground tanks were removed in 1990 and the above ground tank was removed in 1993. Following the removal of the tanks in 1990 a proposed 10,000 gallon underground aviation fuel tank was, according to the record documents, never installed.

A 2,000 gallon underground #2 fuel oil tank was installed to the south of the building. The age of the 2,000 gallon fuel oil tank is unknown. During the performance of the field work for this PSA, it was observed that the area of the 2,000 gallon underground tank was freshly paved and a new underground tank had been installed to the southwest of the building. According to a driver for a fuel oil company who was filling the oil tank while CDM was onsite, the new tank has been installed within the past two years and has a 1,000 gallon capacity. A recent tank listing for the site indicates that the 2,000 gallon storage tank was removed. No documentation regarding the 1,000 gallon tank was identified in the files.

In 1982 requests were made by the SCDHS to both register and test the onsite storage tanks. Following this request the tanks were registered in February 1983 and were tested in March of 1996. The 1,000 gallon and the 10,000 gallon underground storage tanks passed the Kent-Moore Test. The 6,000 gallon tank failed due to loose fitting and a leaking gasket. After the failed test the top of the tank was exposed, the fittings tightened and the manway gasket was replaced and the tank was re-tested and passed.

In November of 1984 a letter was sent to East Hampton Aire outlining the new requirements for aboveground storage tanks as described in Article 12 of the Suffolk County Sanitary Code. On March 21, 1990 an Order on Consent (No. T5-90-0830) was issued to East Hampton Aire by the SCDHS. The consent order required East Hampton Aire to bring all storage facilities for toxic or hazardous material located onsite into compliance with Suffolk County Sanitary Code. In addition, all tank systems were to be tightness tested or removed. A correspondence dated March 3, 1993 confirms the removal of the three underground tanks in December of 1990 and confirmed that a proposed 10,000 gallon underground tank was never installed. In addition, the correspondence requested that the 10,000 gallon above ground tank north of the hanger be removed or made inactive until such time that the tank is upgraded to meet the Suffolk County Sanitary Code. According to the record documents the 10,000 gallon above ground tank had indeed been removed in January of 1993.

In March of 1994 a second Order on Consent (No. W1-0671-93-12) was issued to Mr. George Gordon of East Hampton Aire, Inc. by the NYSDEC for improperly auditing the environmental conditions at the site prior to cessation of business operations and for failure to dispose of approximately 35 drums of hazardous waste. The consent order required that East Hampton Aire perform a Preliminary Site Assessment (PSA) and an Interim Remedial Measure Program (IRM Program).

A report dated October 7, 1996 was prepared by Porcello Engineering, Inc. and submitted to the NYSDEC. The report was submitted to comply with the requirements of the 1994

consent order. The report described the removal of approximately 3 to 5 yards of sediment and liquid from each dry well and all liquid was removed form the septic tank. Approximately 2 yards of contaminated soil was excavated from the area beneath the former above ground 10,000 gallon storage tank and 2 yards of contaminated soil was removed from the former drum storage area. End point samples were obtained from the excavations and were split with the SCDHS, Porcello never analyzed their samples.

According to the Porcello report two 4 inch monitoring wells were installed and sampled and an existing well was also sampled. The results of the sampling are provided in Item 3 above.

In addition to the groundwater analysis the depth to water was measured in each well and a groundwater contour map was generated. The report had a number of inconsistencies that were discussed in a letter dated November 12, 1996 from Robert Seyfarth of the SCDHS to Stephen Sellinger of the NYSDEC. Some of the inconsistencies included improper sample handling, failure to analyze samples, improper monitoring well location, and a groundwater contour map that contradicts regional groundwater flow.

A letter dated December 8, 1995 indicated that no additional soil extraction was required at the site after analysis by the SCDHS of end point samples obtained during the cleanup. During a SCDHS investigation on July 13, 1995 dye testing was performed to confirm that floor drains located inside the hanger were connected to the outside leach pool. Upon confirmation of this connection, sludge samples were obtained from two onsite leaching pools located to the north of the hanger. The compounds that were identified in the primary leach pool sludge are described in Item 3, above.

To meet the objectives of this investigation and the NYSDEC Technical Work Plan, CDM's Site Specific Scope of Work outlined procedures to conduct site reconnaissance and utilities clearance and collect geoprobe soil and groundwater samples and collect groundwater samples from existing monitoring onsite wells.

Six geoprobe soil and seven geoprobe groundwater samples were collected around the former East Hampton Aire site at an average depth of 24 to 25 feet below ground surface. One up gradient geoprobe was installed to the northwest of the hanger and surrounding structures. The remaining five geoprobes were installed downgradient of various site structures and features including: a former above ground kerosene storage tank, underground fuel oil storage tank, and drum storage area and an existing leach pool, septic tank, and overflow pool.

Zebra Environmental of Lynbrook, NY performed the geoprobe drilling in accordance with the procedures described in the approved site operation and Quality Assurance Plan. The CDM on-site geologist collected both groundwater and soil samples. Groundwater samples were collected with the use of a screen point sampler and dedicated disposable tubing. Groundwater was placed directly into the following: two 40-mL vials for VOC analysis, one 1-Liter plastic container for metal analysis, two 2-Liter amber bottle for BNA analysis, two 2-Liter amber bottles for pesticides and PCB analysis and one 250 mL plastic container for cyanide analysis.

Soil samples were collected with the use of a 4-foot macro sampler and disposable liners. The macro sampler was driven at four foot intervals and samples were removed from the

liners and placed into the following: two 2-oz jars for VOC analysis and one-32 oz jar for SVOC, metals, pesticides and PCB analysis.

Groundwater Sampling

As described above, seven geoprobe groundwater samples were collected and analyzed. In addition to the geoprobe locations a total of two groundwater samples were obtained from two existing onsite monitoring wells. A third onsite monitoring well was blocked with a foreign object and was unable to be sampled. All groundwater samples were collected at locations on the former East Hampton Aire property. Samples were collected with the use of dedicated diposable tubing and dedicated bailers and immediately following the sampling were delivered to H2M Labs. Sample analysis was for full TCL parameters. One MS, one MSD, one field blank, one duplicate and one trip blank were also collected for quality assurance/quality control purposes. Sample point DP-03 was used as the duplicate groundwater sample location. CDM monitored the quality and quantity of well purge water obtained from the two monitoring wells. Data is presented in Table 1.

Two volatile organic compounds were identified above their respective detection limits including ethylbenzene (2 ug/L) in DP-06 and DP-07 and o-xylene (1 ug/L and 6 ug/L) in DP-06 and DP-07, respectively. The level of o-xylene at 6 ug/L exceeds its respective groundwater quality standard of 5 ug/L. No other volatile organic compounds were identified that exceeded the GA groundwater standard. The results of the volatile organic analysis are provided on Table 2.

Several semi-volatile organic compounds were recorded at estimate "J" values, including 2-methylnaphthalene in DP-02 and DP-06; diethylphthalate, naphthalene, flouranthene, pyrene and butylbenzylphthalate in DP-06; chrysene in DP-06 and DP-03 duplicate, bis(2-ethylhexyl)phthalate in DP-01, DP-02, DP-03, DP-05, DP-06 DP-07, DP-03 duplicate, MW-01 and MW-03; di-n-octylphthalate in DP-03 and DP-06. The presence of bis(2-ethylhexyl)phthalate in the groundwater samples may be the result of outside contamination from plastic tubing, latex gloves, or bailers (EPA Drinking Water and Health, Consumer Fact Sheet on Di (2-Ethylhexl) Phthalate) No semi-volatile organic compounds were identified that exceeded the GA groundwater standard. The results of the semi-volatile organic analysis is provided on Table 3.

One pesticide, namely beta-BHC, was presumptively identified with a "UJ" qualifier in DP-06 at 0.092 ug/L and was identified at an estimate "J" value in DP-07 at 0.18 ug/L. The concentration of beta-BHC at both locations exceed the GA groundwater standard of 0.04 ug/L. No PCB's were identified in any groundwater samples. Table 4 provides the results of the pesticide and PCB analysis.

Aluminum and iron were detected in all of the direct push groundwater samples. Chromium and lead were detected in all of the direct push samples with the exception of DP-01. Calcium was detected in all direct push samples with the exception of DP-01 and DP-07. Manganese was detected in all direct push samples and MW-01. Barium was identified in DP-04 and the DP-03 duplicate; copper was detected in DP-02, DP-03 and the DP-03 duplicate; sodium was detected in DP-02, DP-04 and DP-05; and zinc was identified in DP-02, DP-03, DP-03 duplicate and MW-01.

Aluminum was detected at levels above the GA groundwater standard of 2000 ug/L at all sampling locations except DP-01, MW-01 and MW-03. Iron and manganese were

detected at levels above the GA groundwater standards of 300 ug/L for both metals at all sampling locations except MW-01 and MW-03. Chromium was detected at levels above the GA groundwater standard of 50 ug/L at sampling locations DP-02, DP-03 and the duplicate. Table 5 indicates the sampling locations and compounds that exceed respective groundwater standards.

Tentatively identified compounds (TIC's) were identified at some of the sampling locations at estimated values (Table 6). The laboratory reports that siloxanes are not inherent in the groundwater samples, but resulted from pretreatment of the glassware during sample preparation.

Soil Sampling

Continuous soil sampling was performed at all sampling locations. Each soil sample was screened for the presence of volatile organic compounds in the field utilizing an organic vapor monitor (OVM). The results of the OVM screening and the soil descriptions were recorded on the boring logs. Copies of all boring logs are provided in Appendix B.

The maximum depth of the soil borings varied from 24 feet below ground surface to 34 feet below ground surface. At six of the seven geoprobe locations one soil sample was collected for laboratory analysis. No soil sample was collected from DP-03 located adjacent to the northern leach pool. Samples were collected for laboratory analysis if the presence of volatile organic compounds were observed with the OVM. If no VOC readings were observed than the soil sample obtained from the vadose zone of the boring was collected. One MS, one MSD, one field blank, one duplicate and one trip blank were also collected for quality assurance/quality control purposes. The same trip blank was used for both the groundwater and soil samples. Sample point DP-05 (16 ft-20 ft) was used as the duplicate soil sample location. The following table provides a list of the soil samples that were collected for analysis. Included on this table are associated OVM readings and soil description.

Soil Sample Description

Sample	Depth (feet)	OVM (ppm)*	Description
DP-01	28 - 32	0.4	Tan, coarse sand
DP-02	0 - 4	1.4	Orange/tan, medium sand
DP-03	No Sample Collected		
DP-04	14 - 16	0.6	Tan, medium sand
DP-05	16 - 20	0.2	Reddish tan, medium sand
DP-06	20 - 24	0.2	Dark brown/gray, medium-coarse sand
DP-07	12 - 16	0.8	Tan, medium sand

Note: Background OVM readings varied from 0.0 ppm to 0.2 ppm.

No volatile organic compounds were identified in any of the soil samples. The results of the volatile organic analysis are provided on Table 7.

Several semi-volatile organic compounds were recorded at estimate "J" values, including bis(2-ethylhexyl) phthalate in DP-06 and DP-07 and di-n-octylphthalate in DP-01, DP-06 and DP-07. The following semi volatile compounds were detected sample DP-06 at estimate "J" values: phenanthrene, flouranthene, pyrene, benzo[a]anthracene, chrysene, benzo[b]flouranthene, benzo[k]flouranthene, benzo[a]pyrene, Indeno[1,2,3-cd]pyrene

and benzo[g,h,i]perylene. The presence of bis(2-ethylhexyl)phthalate in the soil samples may be the result of outside contamination from plastic spatulas, latex gloves or plastic liners (EPA Drinking Water and Health, Consumer Fact Sheet on Di (2-Ethylhexl) Phthalate) The results of the semivolatile organic analysis is provided on Table 8. No semi-volatile compounds were detected in any of the samples that exceed the NYSDEC soil cleanup objective to protect groundwater.

Two pesticides, namely 4,4'-DDE (2.2 ug/Kg) and 4,4'-DDT (2.2 ug/Kg), were identified in DP-06 at estimate "J" values. No PCB's were identified in any soil samples. Table 9 provides the results of the pesticide and PCB analysis. No pesticides or PCBs were detected in any of the samples that exceed the NYSDEC soil cleanup objective to protect groundwater.

Aluminum, chromium, iron, lead, manganese and zinc were detected in all of the direct push soil samples. Copper and vanadium were detected in soil Sample DP-01. The results of the metal analysis are provided on Table 10. The level of manganese identified in sample DP-05 and its corresponding duplicate slightly exceeded the site background level for manganese. All other metals that were identified did not exceed their respective NYSDEC TAGM recommended soil cleanup objective or eastern standard site background level.

Tentatively identified compounds (TIC's) were identified at some of the sampling locations at estimated values (Table 11).
REF: 1, 2, 3, 5, 6, 7, 8, 9, 10 & 11

5. CERCLA STATUS

All file searches indicate that the East Hampton Aire site is not on the CERLA list.
REF: 12

6. OTHER ACTIONS TO DATE (e.g., Federal removal[1], Federal remedial[2] or pre-remedial actions, State actions, other violations)

Other than this PSA, only the investigations and remedial actions performed by the SCDOH and NYSDEC described in Items 3 and 4 above have occurred at the site.

7. STATE AND LOCAL AUTHORITIES ROLE (Intervention)

Contamination was identified on-site during previous investigations performed by the responsible party, the SCDOH and NYSDEC. The potentially responsible party performed tank, drum and soil removal at the site; however, the extent and full impact of the identified contamination was unknown. The NYSDEC determined that a PSA was necessary to determine the impact to soil and groundwater at the site. In September 1999, NYSDEC assigned CDM to conduct the PSA.

POSSIBLE THREAT TO PUBLIC HEALTH OR WELFARE OR THE ENVIRONMENT, AND STATUTORY AND REGULATORY AUTHORITIES (permits–local, state, and federal)

[1] Short term or emergency action
[2] Long term cleanup action

Table 1
Monitoring Well Sampling Data
East Hampton Aire

Well #	OVM (ppm)	DIA. (in.)	DTW (ft.)	Total Well olumn (ft.	Actual Vol. urged (gal	Temp. (C)	SAL %	pH	Cond. (ms/cm)	Turb. (NTU)	DO (mg/l)	Flow (gpm)	Gallon Purged
MW1	0	4	24.45	26.57	N/A	10.8	0	4.6	0.036	12	4.5	0.3	7
MW3	0	4	24.22	29.66	12	12.8	0	4.95	0.049	2	5.28	0.5	12

Table 2
Volatile Analytical Results Summary
East Hampton Aire

Sample ID:	*DP-01*	*DP-02*	*DP-03*	*DP-04*	*DP-05*	*DP-06*	*DP-07*	*DUPLICATE*	*FB*	*MW-1*	*MW-3*	*TB*	*TB-1*	*NYS*
Collection Date:	*02/14/00*	*02/14/00*	*02/14/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*03/01/00*	*03/01/00*	*02/09/00*	*03/01/00*	*Standard*
Units:	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
Chloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5
Bromomethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5
Vinyl chloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2
Chloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 UJ	5
Methylene Chloride	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	5
Acetone	5 R	4 U	5 R	5 R	5 R	5 U	5 R	5 R	3 U	5 UJ	5 UJ	5 R	5 UJ	50 G
Carbon disulfide	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5
1,1-Dichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 UJ	5
1,1-Dichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5
Chloroform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	7
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.6
2-Butanone	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	50
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1
Carbon tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 UJ	5
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	50 G
1,2-dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1
cis-1,3-dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.4 *
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5
Benzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5
trans-1,3-dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.4 *
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1
Bromoform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	50 G
4-Methyl-2-pentanone	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS
2-Hexanone	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 U	5 UJ	50 G
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 UJ	5
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 UJ	5
Toluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5
chlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5
Ethylbenzene	1 U	1 U	1 U	1 U	1 U	2	2 U	1 U	1 U	1 U	1 U	1 U	1 U	5
Styrene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5
trans-1,2-dichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5
cis-1,2-dichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5
1,2-dibromoethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5
1,3-dichlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3 *
1,4-dichlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3 *
1,2-dichlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3 *
1,2-dibromo-3-chloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.04
Vinyl acetate	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS
m/p-xylene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5
o-xylene	1 U	1 U	1 U	1 U	1 U	1	6	1 U	1 U	1 U	1 U	1 U	1 U	5

Table 3
Semi-Volatile Analytical Results Summary
East Hampton Aire

Sample ID:	*DP-01*	*DP-02*	*DP-03*	*DP-04*	*DP-05*	*DP-06*	*DP-07*	*DUPLICATE*	*FB*	*MW-1*	*MW-3*	*TB*	*TB-1*	*NYS*
Collection Date:	*02/14/00*	*02/14/00*	*02/14/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*03/01/00*	*03/01/00*	*02/09/00*	*03/01/00*	*Standard*
Units:	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			1 *
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			1
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			1 *
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			3
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			3
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			3
2-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			1 *
2,2'-oxybis(1-Chloropropane)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			5
4-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			1 *
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			NS
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			5
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			0.4
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			50 G
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			1 *
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			50 G
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			5 E
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			5
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			5
Naphthalene	10 U	10 U	10 U	10 U	10 U	5 J	10 U	10 U	10 U	10 U	10 U			10 G
4-Chloroaniline	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			5
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			0.5
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			1 *
2-Methylnaphthalene	10 U	2 J	10 U	10 U	10 U	1 J	10 U	10 U	10 U	10 U	10 U			NS
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ			5
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			1 *
2,4,5-Trichlorophenol	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U			1 *
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 G
2-Nitroaniline	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U			5
Dimethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			50 G
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			NS
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			5
3-Nitroaniline	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U			5
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			20 E
2,4-Dinitrophenol	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 R	25 R			1 *
4-Nitrophenol	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 UJ	25 UJ			1 *
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			NS
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			5
Diethylphthalate	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U			50 G
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			50 G
4-Chlorophenyl-phenylether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			NS
4-Nitroaniline	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U			5
4,6-Dinitro-2-methylphenol	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 UJ	25 UJ			1 *
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			50 G
4-Bromophenyl-phenylether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			NS
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			0.04
Pentachlorophenol	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U			1 *
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			50 G
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			50 G

Table 3 (continued)
Semi-Volatiles Analytical Results Summary
East Hampton Aire

Sample ID:	*DP-01*	*DP-02*	*DP-03*	*DP-04*	*DP-05*	*DP-06*	*DP-07*	*DUPLICATE*	*FB*	*MW-1*	*MW-3*	*TB*	*TB-1*	*NYS*
Collection Date:	*02/14/00*	*02/14/00*	*02/14/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*03/01/00*	*03/01/00*	*02/09/00*	*03/01/00*	*Standard*
Units:	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			NS
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			50
Fluoranthene	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U			50 G
Pyrene	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U			50 G
Butylbenzylphthalate	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U			50 G
Benzo[a]anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			0.002 G
3,3'-Dichlorobenzidine	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			5
Chrysene	10 U	10 U	10 U	10 U	10 U	1 J	10 U	8 J	10 U	10 U	10 U			0.002 G
bis(2-Ethylhexyl)phthalate	1 J	1 J	1 J	10 U	2 J	6 J	1 J	1 J	10 U	4 J	5 J			5
Di-n-octylphthalate	10 U	10 U	1 J	10 U	10 U	3 J	10 U	10 U	10 U	10 U	10 U			50 G
Benzo[b]fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			0.002 G
Benzo[k]fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			0.002 G
Benzo[a]pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			ND
Indeno[1,2,3-cd]pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			0.002 G
Dibenz[a,h]anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			NS
Benzo[g,h,i]perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			NS

Table 4
Pesticides /PBC's Analytical Summary Table
East Hampton Aire

Sample ID:	*DP-01*	*DP-02*	*DP-03*	*DP-04*	*DP-05*	*DP-06*	*DP-07*	*DUPLICATE*	*FB*	*MW-1*	*MW-3*	*TB*	*TB-1*	*NYS*
Collection Date:	*02/14/00*	*02/14/00*	*02/14/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*03/01/00*	*03/01/00*	*02/09/00*	*03/01/00*	*Standard*
Units:	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
alpha-BHC	0.050 U	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 UJ	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 U			0.01
beta-BHC	0.050 U	0.050 UJ	0.050 U	0.050 U	0.050 U	**0.092 JN**	**0.18 JN**	0.050 U	0.050 U	0.050 U	0.050 U			0.04
delta-BHC	0.050 U	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 UJ	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 U			0.04
gamma-BHC (Lindane)	0.050 U	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 UJ	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 U			0.05
Heptachlor	0.050 U	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 UJ	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 U			0.04
Aldrin	0.050 U	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 UJ	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 U			ND
Heptachlor epoxide	0.050 U	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 UJ	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 U			0.03
Endosulfan I	0.050 U	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 UJ	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 U			NS
Dieldrin	0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 U			0.004
4,4'-DDE	0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 U			0.2
Endrin	0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 U			ND
Endosulfan II	0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 U			NS
4,4'-DDD	0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 U			0.3
Endosulfan sulfate	0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 U			NS
4,4'-DDT	0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 U			0.2
Methoxychlor	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U			35
Endrin ketone	0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 U			5
Endrin aldehyde	0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 U			5
alpha-chlordane	0.050 U	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 UJ	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 U			0.2 *
gamma-chlordane	0.050 U	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 UJ	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 U			0.2 *
Toxaphene	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U			.06
Aroclor-1016	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U			0.09 *
Aroclor-1221	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	4.0 UJ	4.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U			0.09 *
Aroclor-1232	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U			0.09 *
Aroclor-1242	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U			0.09 *
Aroclor-1248	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U			0.09 *
Aroclor-1254	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U			0.09 *
Aroclor-1260	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U			0.09 *

Table 5

Total Metals Analytical Results Summary

East Hampton Aire

Sample ID:	*DP-01*	*DP-02*	*DP-03*	*DP-04*	*DP-05*	*DP-06*	*DP-07*	*DUPLICATE*	*FB*	*MW-1*	*MW-3*	*TB*	*TB-1*	*NYS*
Collection Date:	*02/14/00*	*02/14/00*	*02/14/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*03/01/00*	*03/01/00*	*02/09/00*	*03/01/00*	*Standard*
Units:	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
Aluminum	615	7010	5750	13500	11300	2710	5750	7030	27.0 B	109 B	47.0 B			2000 E
Antimony	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U			3
Arsenic	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U			25
Barium	17.1 B	149 B	156 B	238	194 B	118 B	103 B	218	1.2 U	10.8 B	10.7 B			1000
Beryllium	0.20 U	0.54 B	0.49 B	0.73 B	0.74 B	0.20 U	0.45 B	0.43 B	0.20 U	0.20 U	0.20 U			3 G
Cadmium	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	2.5 B	1.3 B	0.40 U	0.40 U	2.5 B	0.40 U			5
Calcium	2680 B	5900	9950	5650	8030	9640	4500 B	11200	110 B	3640 B	3110 B			NS
Chromium	5.2 B	140	71.6	32.8	26.1	27.4	27.9	83.7	0.89 U	0.89 U	0.89 U			50
Cobalt	3.6 B	8.6 B	19.6 B	21.5 B	16.5 B	4.6 B	12.2 B	21.6 B	2.1 U	2.1 U	2.1 U			NS
Copper	1.5 U	38.1	26.0	18.1 B	15.0 B	10.2 B	11.7 B	31.4	1.5 U	4.9 B	1.5 U			200
Iron	1070	26500	16500	11700	10300	7610	8590	20000	15.7 B	71.6 B	12.6 B			300
Lead	1.6 U	9.3	17.0	15.9	13.3	6.3	11.5	23.4	1.6 U	1.6 U	1.6 U			25
Magnesium	1400 B	2030 B	1990 B	2380 B	1910 B	1670 B	1210 B	2320 B	10.5 B	545 B	1510 B			35000 G
Manganese	977	912	2590	2970	2090	4040	5720	3540	1.1 B	21.9	6.2 B			300
Mercury	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U			0.7
Nickel	5.1 B	26.7 B	26.5 B	24.7 B	15.4 B	11.4 B	12.6 B	38.2 B	2.0 U	2.0 U	2.0 U			100
Potassium	1180 J	1510 J	1120 J	1130 J	1240 J	1450 J	1090 J	1260 J	10.0 U	281 J	480 J			NS
Selenium	2.7 UJ	2.7 UJ	2.7 UJ	2.7 UJ	2.7 UJ	2.7 UJ	6.2 J	2.7 UJ	2.7 UJ	2.7 UJ	2.7 UJ			10
Silver	0.70 U	0.70 U	0.70 U	0.82 B	0.70 U	0.85 B	1.3 B	0.82 B	0.70 U	0.70 U	0.70 U			50
Sodium	4270 B	5930	4680 B	5110	5800	4220 B	3740 B	4330 B	145 B	2270 B	3170 B			20000
Thallium	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U			0.5 G
Vanadium	1.3 U	8.5 B	4.5 B	6.4 B	6.3 B	3.7 B	5.2 B	5.7 B	1.3 U	1.3 U	1.3 U			NS
Zinc	2.3 B	109	20.6	14.0 B	11.6 B	11.8 B	10.0 B	24.4	1.3 U	75.0	1.3 U			2000 G

ANALYTICAL DATA TABLE NOTES

NOTES:

** The sum of all phenols must not exceed 1.

* The sum of all forms must not exceed the value shown

* GA standard= Groundwater Discharge Standards, 6 NYCRR Parts 700-705

S = standard value

G = guidance value

B = entered if the report value is less than the Contract Required Detection Limit (CRDL) but greater than the Instrumentation Detection Limit

E= groundwater effluent limitation

N = matrix spike sample recovery not within control limits

NONE = no standard or guidance value

NS = GA standard is below detection limit

N/A = Not analyzed due to laboratory error in detection limits

ND = None Detectable

Highlighted cells indicate groundwater standard exceedances

Organic Data Qualifiers:

J = The associated numerical value is an estimated quantity.

U = The compound was analyzed for but not detected at or above the Contract Required Quantitation Limit

(CRQL), or the compound is not detected due to qualification through the method or field blank

UJ = The compound was analyzed for, but not detected. The sample quantitation limit is an estimated quantity due to variance in quality control limits.

Table 6
Tentatively Identified Compounds
East Hampton Aire

Sample ID:	*DP-01*	*DP-02*	*DP-03*	*DP-04*	*DP-05*	*DP-06*	*DP-07*	*DUPLICATE*	*FB*	*MW-1*	*MW-3*	*TB*	*TB-1*
Collection Date:	*02/14/00*	*02/14/00*	*02/14/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*03/01/00*	*03/01/00*	*02/09/00*	*03/01/00*
Units:	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
Unknown Aldole Condensate	8 R	11 R	7 R	7 R	7 R	9 R	5 R	3 R	N D	6 R	4 R	N D	N D
Unknown Siloxane(*)	N D	7 R	N D	N D	N D	N D	N D	N D	N D	N D	36 R	N D	N D
Unknown Benzene Isomer	N D	5 J	N D	N D	N D	5 J	3 J	N D	N D	N D	N D	N D	N D
Unknown Alkane, Straight Chai	N D	8 J	N D	N D	N D	N D	N D	N D	N D	N D	N D	N D	N D
C4 Subst. Benzene Isomer	N D	6 J	N D	N D	N D	16 J	7 J	N D	N D	N D	N D	N D	N D
Dihydro-Dimethyl Indene Isomer	N D	4 J	N D	N D	N D	N D	N D	N D	N D	N D	N D	N D	N D
Unknown Alkane, Branched	N D	4 J	N D	N D	N D	N D	N D	N D	N D	N D	N D	N D	N D
Methyl-naphthalene Isomer	N D	4 J	N D	N D	N D	N D	N D	N D	N D	N D	N D	N D	N D
Unknown Alkane, Cyclic	N D	21 J	N D	N D	N D	N D	N D	N D	N D	N D	N D	N D	N D
Dimethly-naphthalene Isomer	N D	4 J	N D	N D	N D	N D	N D	N D	N D	N D	N D	N D	N D
Benzene, 1-ethyl-2-methyl-	N D	N D	N D	N D	N D	6 JN	3 JN	N D	N D	N D	N D	N D	N D
C3 Subst. Benzene	N D	N D	N D	N D	N D	6 J	3 J	N D	N D	N D	N D	N D	N D
Unknown aromatic	N D	N D	N D	N D	N D	8 J	N D	N D	N D	N D	N D	N D	N D
Naphthalene, 1,2,3,4-tetrahydro-	N D	N D	N D	N D	N D	9 JN	3 JN	N D	N D	N D	N D	N D	N D
Naphthalene	N D	N D	N D	N D	N D	9 JN	N D	N D	N D	N D	N D	N D	N D
Diethylbenzene Isomer	N D	N D	N D	N D	N D	4 J	N D	N D	N D	N D	N D	N D	N D
Tetrahydro-Naphthalene Isomer	N D	N D	N D	N D	N D	9 J	N D	N D	N D	N D	N D	N D	N D
1-Adamantanol	N D	N D	N D	N D	N D	5 NJ	N D	N D	N D	N D	N D	N D	N D
Unknown Acid	N D	N D	N D	N D	N D	8 J	8 J	N D	N D	N D	N D	N D	N D
Unknown PAH	N D	N D	N D	N D	N D	4 J	N D	N D	N D	N D	N D	N D	N D

Notes:
ND = Not Detected
J = Indicates estimated value
A = Indicates that a TIC is a suspected aldol-condensation product
B = Indicates the analyte is found in the associated blank as well as in the sample
N = Indicates presumptive evidence of a compound
* Indicates suspected leaching of siloxanes from treated extraction glassware

Table 7
Volatiles Analytical Soil Results Summary
Easthampton Aire

Sample ID:	*DP-01 28'-32'*	*DP-02 0'-4"*	*DP-04 14'-16'*	*DP-05 16'-20'*	*DP-06 20'-24'*	*DP-07 12'-16'*	*DUPLICATE*	*FIELD BLANK*	*Soil Cleanup Objective*
Collection Date:	*02/14/00*	*02/14/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*to Protect GW*
Units:	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/kg)
Chloromethane	11 UJ	11 UJ	10 UJ	10 U	10 U	10 U	10 U	1 U	-
Bromomethane	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	-
Vinyl chloride	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	120
Chloroethane	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	1900
Methylene chloride	11 U	11 U	10 UJ	10 U	10 U	10 U	10 U	2 U	100
Acetone	11 U	11 U	10 U	10 U	10 U	10 U	10 U	5 R	110
Carbon disulfide	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	2700
1,1-Dichloroethene	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	400
1,1-Dichloroethane	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	100
1,2-Dichloroethene (Total)	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	300
2-Butanone	11 U	11 U	10 U	10 U	10 U	10 U	10 U	5 UJ	300
Chloroform	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	300
1,2-Dichloroethane	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	100
1,1,1-Trichloroethane	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	760
Carbon tetrachloride	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	600
Bromodichloromethane	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	-
1,2-Dichloropropane	11 UJ	11 UJ	10 UJ	10 U	10 U	10 U	10 U	1 U	-
cis-1,3-Dichloropropene	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	-
Trichloroethene	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	700
Benzene	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	60
Dibromochloromethane	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	N/A
trans-1,3-Dichloropropene	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	-
1,1,2-Trichloroethane	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	-
Bromoform	11 U	11 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	1 U	-
4-Methyl-2-pentanone	11 U	11 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	5 U	1000
2-Hexanone	11 U	11 U	10 U	10 U	10 U	10 U	10 U	5 U	-
Tetrachloroethene	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	1400
1,1,2,2-Tetrachloroethane	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	600
Toluene	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	1500
Chlorobenzene	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	1700
Ethylbenzene	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	5500
Styrene	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	-
Xylenes (total)	11 U	11 U	10 U	10 U	10 U	10 U	10 U	1 U	1200

Table 8
Semi-Volatiles Soil Analytical Results Summary
Easthampton Aire

Sample ID:	*DP-01 28'-32'*	*DP-02 0'-4"*	*DP-04 14'-16'*	*DP-05 16'-20'*	*DP-06 20'-24'*	*DP-07 12'-16'*	*DUPLICATE*	*FIELD BLANK*	*Soil Cleanup Objective*
Collection Date:	*02/14/00*	*02/14/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*to Protect GW*
Units:	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/kg)
2-Methylphenol	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	100
N-Nitroso-di-n-propylamine	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	-
4-Methylphenol	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	900
Hexachloroethane	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	-
Nitrobenzene	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	-
Isophorone	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	4400
2-Nitrophenol	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	330
2,4-Dimethylphenol	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	-
bis(2-Chloroethoxy)methane	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	-
2,4-Dichlorophenol	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	400
1,2,4-Trichlorobenzene	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	-
Naphthalene	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	13000
4-Chloroaniline	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	220
Hexachlorobutadiene	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	-
4-Chloro-3-methylphenol	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	240
2-Methylnaphthalene	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	36400
Hexachlorocyclopentadiene	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	-
2,4,6-Trichlorophenol	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	-
2,4,5-Trichlorophenol	870 U	900 U	860 U	860 U	860 U	860 U	860 U	10 U	100
2-Chloronaphthalene	350 U	360 U	340 U	340 U	340 U	340 U	340 U	25 U	-
2-Nitroaniline	870 U	900 U	860 U	860 U	860 U	860 U	860 U	10 U	430
Acenaphthylene	350 U	360 U	340 U	340 U	340 U	340 U	340 U	25 U	41000
2,6-Dinitrotoluene	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	1000
3-Nitroaniline	870 U	900 U	860 U	860 U	860 U	860 U	860 U	10 U	500
Acenaphthene	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	90000
2,4-Dinitrophenol	870 U	900 U	860 U	860 U	860 U	860 U	860 U	25 U	200
Dibenzofuran	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	6200
4-Nitrophenol	870 U	900 U	860 U	860 U	860 U	860 U	860 U	25 U	100
2,4-Dinitrotoluene	350 U	360 U	340 U	340 U	340 U	340 U	340 U	25 U	-
Fluorene	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	350000
Dimethylphthalate	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	2000
Diethylphthalate	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	7100
4-Chlorophenyl-phenylether	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	-
4-Nitroaniline	870 U	900 U	860 U	860 U	860 U	860 U	860 U	10 U	-
4,6-Dinitro-2-methylphenol	870 U	900 U	860 U	860 U	860 U	860 U	860 U	25 U	-
N-Nitrosodiphenylamine	350 U	360 U	340 U	340 U	340 U	340 U	340 U	25 U	-
4-Bromophenyl-phenylether	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	-
Hexachlorobenzene	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	1400
Pentachlorophenol	870 U	900 U	860 U	860 U	860 U	860 U	860 U	10 U	1000
Phenanthrene	350 U	360 U	340 U	340 U	67 J	340 U	340 U	25 U	220000

Table 8 (continued)
Semi-Volatiles Soil Analytical Results Summary
Easthampton Aire

Sample ID:	*DP-01 28'-32'*	*DP-02 0'-4"*	*DP-04 14'-16'*	*DP-05 16'-20'*	*DP-06 20'-24'*	*DP-07 12'-16'*	*DUPLICATE*	*FIELD BLANK*	*Soil Cleanup Objective*
Collection Date:	*02/14/00*	*02/14/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*to Protect GW*
Units:	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/kg)
Anthracene	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	70000
Di-n-butylphthalate	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	8100
Fluoranthene	350 U	360 U	340 U	340 U	130 J	340 U	340 U	10 U	1900000
Pyrene	350 U	360 U	340 U	340 U	100 J	340 U	340 U	10 U	665000
Butylbenzylphthalate	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	121500
Benzo[a]anthracene	350 U	360 U	340 U	340 U	60 J	340 U	340 U	10 U	3000
3,3'-Dichlorobenzidine	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	N/A
Chrysene	350 U	360 U	340 U	340 U	98 J	340 U	340 U	10 U	400
bis(2-Ethylhexyl)phthalate	350 U	360 U	340 U	340 U	100 J	220 J	340 U	10 U	435000
Di-n-octylphthalate	42 J	360 U	340 U	340 U	74 J	210 J	340 U	10 U	120000
Benzo[b]fluoranthene	350 U	360 U	340 U	340 U	64 J	340 U	340 U	10 U	1100
Benzo[k]fluoranthene	350 UJ	360 UJ	340 UJ	340 UJ	80 J	340 UJ	340 UJ	10 U	1100
Benzo[a]pyrene	350 U	360 U	340 U	340 U	51 J	340 U	340 U	10 U	11000
Indeno[1,2,3-cd]pyrene	350 U	360 U	340 U	340 U	40 J	340 U	340 U	10 U	3200
Dibenz[a,h]anthracene	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	165000000
Benzo[g,h,i]perylene	350 U	360 U	340 U	340 U	50 J	340 U	340 U	10 U	800000
bis(2-Chloroethyl)ether	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	-
Carbazole	350 U	360 U	340 U	340 U	340 U	340 U	340 U	10 U	-

Table 9
Pesticides/PBC's Soil Analytical Results Summary
Easthampton Aire

Sample ID:	*DP-01 28'-32'*	*DP-02 0'-4"*	*DP-04 14'-16'*	*DP-05 16'-20'*	*DP-06 20'-24'*	*DP-07 12'-16'*	*DUPLICATE*	*FIELD BLANK*	*Soil Cleanup Objective*
Collection Date:	*02/14/00*	*02/14/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*to Protect GW*
Units:	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/kg)
alpha-BHC	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.050 U	200
beta-BHC	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.050 U	200
delta-BHC	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.050 U	300
gamma-BHC (Lindane)	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.050 U	60
Heptachlor	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.050 U	100
Aldrin	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.050 U	500
Heptachlor epoxide	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.050 U	20
Endosulfan I	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.050 U	900
Dieldrin	3.5 U	3.6 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	0.10 U	100
4,4'-DDE	3.5 U	3.6 U	3.4 U	3.4 U	2.2 J	3.4 U	3.4 U	0.10 U	4400
Endrin	3.5 U	3.6 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	0.10 U	100
Endosulfan II	3.5 U	3.6 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	0.10 U	900
4,4'-DDD	3.5 U	3.6 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	0.10 U	7700
Endosulfan sulfate	3.5 U	3.6 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	0.10 U	1000
4,4'-DDT	3.5 U	3.6 U	3.4 U	3.4 U	2.2 J	3.4 U	3.4 U	0.10 U	2500
Methoxychlor	18 UJ	18 UJ	18 UJ	18 UJ	18 UJ	18 UJ	18 UJ	0.50 UJ	900000
Endrin ketone	3.5 U	3.6 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	0.10 U	N/A
Endrin aldehyde	3.5 U	3.6 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	0.10 U	-
alpha-chlordane	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.050 U	-
gamma-chlordane	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.050 U	-
Toxaphene	180 U	180 U	180 U	180 U	180 U	180 U	180 U	5.0 U	-
Aroclor-1016	35 U	36 U	34 U	34 U	34 U	34 U	34 U	1.0 U	10000
Aroclor-1221	70 U	73 U	70 U	70 U	70 U	69 U	70 U	2.0 U	10000
Aroclor-1232	35 U	36 U	34 U	34 U	34 U	34 U	34 U	1.0 U	10000
Aroclor-1242	35 U	36 U	34 U	34 U	34 U	34 U	34 U	1.0 U	10000
Aroclor-1248	35 U	36 U	34 U	34 U	34 U	34 U	34 U	1.0 U	10000
Aroclor-1254	35 U	36 U	34 U	34 U	34 U	34 U	34 U	1.0 U	10000
Aroclor-1260	35 U	36 U	34 U	34 U	34 U	34 U	34 U	1.0 U	10000

Table 10
Total Metals Soil Analytical Results Summary
Easthampton Aire

Sample ID:	*DP-01 28'-32'*	*DP-02 0'-4"*	*DP-04 14'-16'*	*DP-05 16'-20'*	*DP-06 20'-24'*	*DP-07 12'-16'*	*DUPLICATE*	*FIELD BLANK*	*NYSDEC*	*Site*
Collection Date:	*02/14/00*	*02/14/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*TAGM*	*Background*
Units:	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(ug/L)	(mg/Kg)	(mg/Kg)
Aluminum	2240	1090	998	1370	1160	946	1600	14.0 U	SB	16491
Antimony	0.34 U	0.35 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	3.2 U	SB	13.1
Arsenic	0.79 B	0.33 U	0.31 U	0.31 U	0.31 U	0.50 B	0.31 U	3.0 U	7.5 or SB	2.8
Barium	5.6 B	2.7 B	4.5 B	4.0 B	4.1 B	3.1 B	4.3 B	1.2 U	300 or SB	29.9
Beryllium	0.095 B	0.029 B	0.057 B	0.070 B	0 043 B	0.057 B	0.098 B	0.20 U	1.0 or SB	0.43
Cadmium	0.042 U	0.044 U	0.042 U	0.041 U	0.042 U	0.041 U	0.041 U	0.40 U	1 or SB	1.5
Calcium	74.4 U	58.4 U	80.4 U	73.8 U	124 U	87.5 U	74.3 U	177 B	SB	434
Chromium	4.6	8.7	2.1	2.5	13.1	5.7	2.3	0.89 U	10 or SB	14.2
Cobalt	2.6 B	0.88 B	0.70 B	0.99 B	1.2 B	0.70 B	1.0 B	2.0 U	30 or SB	3
Copper	8.0 J	2.3 J	1.5 B	1.5 B	2.9 J	1.8 J	1.8 J	1.5 U	25 or SB	6.5
Iron	4930 J	2890 J	1950 J	2590 J	3220 J	2000 J	2890 J	9.3 B	2000 or SB	14429
Lead	5.5	1.4	0.97	1.2	1.4	1.2	1.2	1.6 U	30 or SB	15.8
Magnesium	515 B	272 B	210 B	195 B	290 B	186 B	230 B	19.8 B	SB	2122
Manganese	85.1 J	35.7 J	62.0 J	170 J	43.6 J	41.2 J	188 J	0.60 U	SB	148
Mercury	0.052 U	0.052 U	0.042 U	0.049 U	0.050 U	0.052 U	0.043 U	0.10 U	0.1	0.15
Nickel	3.1 B	1.4 B	1.5 B	2.2 B	1.6 B	1.3 B	2.4 B	2.0 U	13 or SB	11.5
Potassium	75.8 B	66.3 B	88.5 B	88.9 B	156 B	87.4 B	90.6 B	10.2 B	SB	628
Selenium	0.31 J	0.29 UJ	0.32 J	0.28 UJ	0.32 J	0.51 J	0.28 UJ	2.7 U	2 or SB	0.41
Silver	0.072 U	0.075 U	0 072 U	0.072 U	0.11 B	0.071 U	0.072 U	0.69 U	SB	2
Sodium	47.1 U	43.1 U	64.3 U	81.9 U	72.3 U	49.3 U	63.7 U	434 B	SB	196
Thallium	0.42 U	0.44 U	0.42 U	0.41 U	0.42 U	0.41 U	0.41 U	4.0 U	SB	0.35
Vanadium	9.0	3.8 B	2.8 B	3.4 B	4.4 B	2.8 B	3.8 B	1.3 U	150 or SB	25.2
Zinc	11.8 J	4.0 J	5.3 J	8.0 J	5.2 J	3.2 J	5.9 J	1.7 B	20 or SB	22.4

ANALYTICAL DATA TABLE NOTES

NOTES:

** The sum of all phenols must not exceed 1.

* The sum of all forms must not exceed the value shown

* GA standard= Groundwater Discharge Standards, 6 NYCRR Parts 700-705

S = standard value

G = guidance value

B = entered if the report value is less than the Contract Required Detection Limit (CRDL) but greater than the Instrumentation Detection Limit

E= groundwater effluent limitation

N = matrix spike sample recovery not within control limits

NONE = no standard or guidance value

NS = GA standard is below detection limit

N/A = Not analyzed due to laboratory error in detection limits

ND = None Detectable

Highlighted cells indicate groundwater standard exceedances

SB - Site Background

Organic Data Qualifiers:

J = The associated numerical value is an estimated quantity.

U = The compound was analyzed for but not detected at or above the Contract Required Quantitation Limit

(CRQL), or the compound is not detected due to qualification through the method or field blank

UJ = The compound was analyzed for, but not detected. The sample quantitation limit is an estimated quantity due to variance in quality control limits.

Table 11
Semi-Volatile Soil Organics Analysis Data Sheet
Tentatively Identified Compounds
East Hampton Aire

Sample ID:	*DP-01 28'-32'*	*DP-02 0'-4''*	*DP-04 14'-16'*	*DP-05 16'-20'*	*DP-06 20'-24'*	*DP-07 12'-16'*	*DUPLICATE*
Collection Date:	*02/14/00*	*02/14/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*	*02/15/00*
Units:	*(UG/KG)*	*(UG/KG)*	*(UG/KG)*	*(UG/KG)*	*(UG/KG)*	*(UG/KG)*	*(UG/KG)*
Unknown Aldole Condensate	5900 R	5800 R	5700 R	5700 R	5900 R	6200 R	6200 R
Unknown Hydrocarbon	N D	15 J	N D	N D	N D	N D	N D
Unknown Alkane, Branched	N D	860 J	N D	N D	N D	N D	N D
Unknown Alkane, Straight Chai	N D	480 J	N D	N D	N D	N D	N D
Unknown Alkane, Cyclic	N D	180 J	N D	N D	N D	N D	N D

Notes:
ND = Not Detected
J = Indicates estimated value
A = Indicates that a TIC is a suspected aldol-condensation product
B = Indicates the analyte is found in the associated blank as well as in the sample
N = Indicates presumptive evidence of a compound
* Indicates suspected leaching of siloxanes from treated extraction glassware

1. POSSIBLE THREATS TO THE PUBLIC HEALTH AND WELFARE

The volatile organic compounds o-xylene and ethylbenzene were identified in onsite groundwater samples. Additionally, various semi-volatile organic compounds namely polycyclic aromatic hydrocarbons (PAHs), and the pesticide beta-BHC were also identified in groundwater samples.

Aluminum, iron, manganese and chromium were detected in groundwater samples at levels exceeding their respective GA groundwater standard. The presence of iron and manganese in the water sample may be naturally occurring as these metals were also detected upgradient of the hanger area. The chromium identified does not excessively exceed the groundwater standard however does indicate the presence of minor chromium contamination. Aluminum was detected in the upgradeint sample but not at levels exceeding the GA groundwater standard.

Other than manganese, no contaminants were detected that exceeded recommended soil cleanup objectives in any of the soil samples. The level of manganese that was detected was slightly higher than the site background levels and is most likely naturally occurring.

A well record search provided by the Suffolk County Water Authority (SCWA) indicates that there are two supply wells and one test boring location within a three mile radius of this site. The two supply wells are located approximately 1 mile to the northeast of the site. The CDM database had limited information regarding these wells. However the wells are located upgradient of the site and should not be impacted by the contamination identified at the site.

The SCWA also provided a list of private wells located within a three mile radius of the site. The nearest well is located approximately 3,500 feet to the northeast of the site. The nearest downgradient well is located approximately 4,800 feet south east of the site at the Wainscott Motel. No additional information was available regarding this well.

REF: 13

2. POSSIBLE THREATS TO THE ENVIORONMENT

As stated above, the groundwater beneath the East Hampton Aire site is contaminated with o-xylene, chromium and aluminum at levels exceeding their respective GA groundwater standard. The level of o-xylene at 6 ug/L identified in the sample obtained from downgradient of the septic tank only slightly exceeded the GA groundwater standard of 5 ug/L. The highest concentration of chromium was detected in the sample obtained from DP-02 at 140 ug/L. Samples obtained from locations downgradient of the hanger area namely DP-05 and DP-06 had concentrations of chromium lower than the groundwater standard. This indicates that the chromium in the groundwater appears to be naturally attenuating as it migrates. The presence of iron, aluminum and manganese in the majority of the samples may be the result of interference resulting from unfiltered sampling. The samples obtained from the monitoring wells failed to indicate the presence of any metals in excess of the detection limit.

Because of the low levels of contaminants detected and the failure to detect contaminants in downgradient samples no potential impacts to Georgica Pond (surface water located

approximately ¾ miles from the site) were identified during the PSA and no sampling of surface waters was conducted as part of this PSA.

PERMITS – LOCAL, STATE AND FEDERAL

All underground and below ground tanks have been removed, with the exception of a newly installed 1,000 gallon fuel oil tank. As this tank is below 1,100 gallons it is not listed in the UST database. No other permit information was identified in the regulatory agency files.

REF: 12

EXPECTED CHANGE IN THE ENVIRONMENTAL CONDITIONS SHOULD ACTION BE TAKEN AS CONSISTANT WITH REPORT INFORMATION AND RECOMMENDATION

All soil samples that were screened in the field or analyzed in the laboratory indicate that the soil at the site is not contaminated at levels exceeding recommended cleanup objectives. Therefore it appears that there is no source of contamination within the onsite soil. However, this does not rule out that the subsurface drainage structures remain as sources of contamination as numerous contaminants have been detected within these structures in the past. The levels of contaminants identified in the onsite groundwater do not indicate gross contamination. However, certain compounds such as PAHs detected at trace concentrations in shallow groundwater, may be at higher concentrations at lower groundwater elevations.

ENFORCEMENT HISTORY OF THE SITE

1. Is there an organization taking appropriate, timely action?

CDM conducted the PSA under contract to NYSDEC in February and March of 2000. After a review of the PSA report, NYSDEC will determine the appropriate coarse of action.

SITE SKETCH

Provide a sketch of the site with available information. Indicate all pertinent features of the site and nearby environments including: delineation of site boundary, land cover/trees and other vegetation, utilities (water, electrical, gas, sewage, storm drains), sources of wastes, areas of visible and buried wastes, buildings, residences, access roads, parking areas, fences or other barriers restricting access to the site, fields, drainage channel or pathways, water bodies, wells, sensitive environments and other features such as hills and valleys. Be certain to indicate a north arrow.

Refer to figure 2.

SITE ASSESSMENT REPORT:

PART I: SITE INFORMATION

1. Site Name/Alias East Hampton Aire

Street Address 90 Industrial Road

City Wainscott **State** New York **Zip Code** 11975

Describe Site Boundaries (North, South, East, West)

East Hampton Airport is located to the north and east of the site. Undeveloped woods bound the site to the west and Industrial Road bounds the southern portion of the site.

2. County Suffolk **County Code*** 103 **Cong. Dist.** 03

3.CERCLIS ID No. N/A **Region** 1

4. Tax Map Section No. 192.00 **Block No.** 01.00 **Lot No.** 8.

5. Latitude 40° 57' 23" **Longitude** 72° 14' 58"

USGS Quads. East Hampton, NY & Sag Harbor, NY

6. Approximate size of site 1 acre

7. Owner Town of East Hampton **Telephone Number** (631) 324-4140

Street 159 Pantigo Place

City East Hampton **State** New York **Zip Code** 11937

8. Operator East Hampton Aire (George Gordon, President) **Telephone Number** Unknown

Street 267 Fifth Avenue, Suite 801 25

City New York **State** New York **Zip Code** 10016

9. Type of Ownership

Private ( )	**Unknown** ( )	**Federal** ( )	
State ( )	**County** ( )	**Municipal** (**X**)	**Other**( )

10. Owner/Operator Notification on File: The facility is listed as a State Hazardous Waste Site (SHWS). Additionally, a spill was reported at the site on 4/17/1995 to the NYSDEC and a spill number was issued (#9500627). The spill number was closed on 8/31/1995.

RCRA 3001 Date N/A **CERCLA 103c Date** N/A

Other ***(Specify, Date)***
NYSDEC Class 2A site where hazardous contamination is suspected. **REF: 12**

11. Permit Information

Permit	Permit No.	Date Issued	Expiration Date

Comments: No active permits were identified for the site.

12. Site Status East Hampton Aire vacated the property in 1991. Currently East Hampton Airlines operates at the site.

Active (X) **Inactive ( )** **Unknown ( )**

13. Years of Operation Early 1970s to 1991

REF: 12

14. Identify the types of waste sources (e.g., landfill, surface impoundment, piles, stained soil, above- or below-ground tanks or containers, land treatment, etc.) on site. Initiate as many waste unit numbers as needed to identify all waste sources on site.

(a) Waste Sources

Waste Unit No.	Waste Source Type	Facility Name for Unit
1.	Sludge and sediment	Leachpools
2.	Sludge and sediment	Septic Tank
3.	Leaking Drums	Drum storage area
4.	Leaking Storage Tank	Above ground tank
5.	Groundwater Plume	N/A

(b) Other Areas of Concern

Identify any miscellaneous spills, dumping, etc. on site; describe the materials and identify their locations on site.

No additional spills were identified onsite.

15. Describe the regulatory history of the site, including the scope and objectives of any previous response actions, investigations and litigation by State, Local and Federal agencies (indicate type, affiliation, date of investigations).

In 1982 requests were made by the SCDHS to both register and test the onsite storage tanks. Following this request the tanks were registered in February 1983 and were tested in March of 1996. The 1,000 gallon and the 10,000 gallon underground storage tanks passed the Kent-Moore Test. The 6,000 gallon tank failed due to loose fitting and a leaking gasket. After the failed test the top of the tank was exposed, the fittings tightened and the manway gasket was replaced and the tank was re-tested and passed.

In November of 1984 a letter was sent to East Hampton Aire outlining the new requirements for aboveground storage tanks as described in Article 12 of the Suffolk County Sanitary Code. On March 21, 1990 an Order on Consent (No. T5-90-0830) was

issued to East Hampton Aire by the SCDHS. The consent order required East Hampton Aire to bring all storage facilities for toxic or hazardous material located onsite into compliance with Suffolk County Sanitary Code. In addition, all tank systems were to be tightness tested or removed. A correspondence dated March 3, 1993 confirms the removal of the three underground tanks in December of 1990 and confirmed that a proposed 10,000 gallon underground tank was never installed. In addition, the correspondence requested that the 10,000 gallon above ground tank north of the hanger be removed or made inactive until such time that the tank is upgraded to meet the Suffolk County Sanitary Code. According to the record documents the 10,000 gallon above ground tank had indeed been removed in January of 1993.

In March of 1994 a second Order on Consent (No. W1-0671-93-12) was issued to Mr. George Gordon of East Hampton Aire, Inc. by the NYSDEC for improperly auditing the environmental conditions at the site prior to cessation of business operations and for failure to dispose of approximately 35 drums of hazardous waste. The consent order required that East Hampton Aire perform a Preliminary Site Assessment (PSA) and an Interim Remedial Measure Program (IRM Program).

A report dated October 7, 1996 was prepared by Porcello Engineering, Inc. and submitted to the NYSDEC. The report was submitted to comply with the requirements of the 1994 consent order. The report described the removal of approximately 3 to 5 yards of sediment and liquid from each dry well and all liquid was removed form the septic tank. Approximately 2 yards of contaminated soil was excavated from the area beneath the former above ground 10,000 gallon storage tank and 2 yards of contaminated soil was removed from the former drum storage area. End point samples were obtained from the excavations and were split with the SCDHS, Porcello never analyzed their samples.

According to the Porcello report two 4 inch monitoring wells were installed and sampled and an existing well was also sampled. The results of the sampling are as follows:

Compound	MW-01	MW-02	MW-03
Diethylphthalate	-	3.86 ug/L	3.86 ug/L
Di-n-Butylphalate	-	4.22 ug/L	4.22 ug/L
Alpha-chlordane	2 ug/L	3 ug/L	3 ug/L
Endosufane I	-	3 ug/L	4 ug/L
Phenol	8 ug/L	5 ug/L	8 ug/L
Antimony	450 ug/L	360 ug/L	360 ug/L
Copper	20 ug/L	20 ug/L	30 ug/L
Thallium	180 ug/l	170 ug/L	180 ug/L

In addition to the groundwater analysis the depth to water was measured in each well and a groundwater contour map was generated. The report had a number of inconsistencies that were discussed in a letter dated November 12, 1996 from Robert Seyfarth of the SCDHS to Stephen Sellinger of the NYSDEC. Some of the inconsistencies included improper sample handling, failure to analyze samples, improper monitoring well location, and a groundwater contour map that contradicts regional groundwater flow.

A letter dated December 8, 1995 indicated that no additional soil extraction was required at the site after analysis by the SCDHS of end point samples obtained during the cleanup. During a SCDHS investigation on July 13, 1995 dye testing was performed to confirm that floor drains located inside the hanger were connected to the outside leach pool.

Upon confirmation of this connection, sludge samples were obtained from two onsite leaching pools located to the north of the hanger. The following compounds were identified in the primary leach pool sludge:

Organics		Metals	
Ethylbenzene	110 ppb	Aluminum	2,500 ugm/gm
Xylene(s)	790 ppb	Barium	20 ugm/gm
n-Propylbenzene	740 ppb	Cadmium	10 ugm/gm
p-Ethyltolune	2,400 ppb	Chromium	10 ugm/gm
1,3,5-Trimethylbenzene	3,700 ppb	Copper	50 ugm/gm
1,2,4-Trimethylbenzene	5,000 ppb	Iron	4,300 ugm/gm
sec-Butylbenzene	1,200 ppb	Lead	160 ugm/gm
1,2,4,5-Tetramethylbenzene	2,700 ppb	Manganese	20 ugm/gm
Napthalene	3,500 ppb	Zinc	120 ugm/gm

REF: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 & 11

a) **Is the site or any waste source subject to Petroleum Exclusion? Identify petroleum products and by products that justify this decision.**

As there are no longer any remaining leaking storage tanks onsite, and any soil contaminated with petroleum has subsequently been removed the site is not subject to petroleum exclusion.

REF: 14

b) **Are pesticides produced and stored on site? Does the facility apply pesticides (FIFRA or Federal Insecticide, Fungicide, and Rodenticide Act) to any part of the property?**

No documentation of pesticide use, production or storage at the site was identified in the file search. **REF:**

c) **Is the site or any waste source subject to RCRA Subtitle C (briefly explain)?**

No, the site is not a RCRA site.

REF: 8

d) **Is the site or any waste source maintained under the authority of the Nuclear Regulatory Commission (NRC) ?**

The regulatory agency files did not indicate that East Hampton Aire was involved with any radioactive materials.

16. Information available from:

Contact: Daniel Eaton **Agency:** NYSDEC **Telephone Number:** (518) 457-0639

Preparers: David Keil
Christopher Korzenko

Agency/Company:
Camp Dresser & McKee

Date: July 2000 **Telephone Number:** (516) 496-8400

PART II: WASTE SOURCE INFORMATION

For each of the waste units (sources) identified in Part I, complete the following items.

Waste Unit (#) 1 & 2

Source Type

__ Constituent
__ Wastestream
__ Landfill
__ Contaminated Soil
__ Surface Impoundment (buried/backfilled)
__ Pile(Specify type: chemical, junk, trash, tailings, etc.)
__ Drums
__ Land Treatment
__ Tanks/Containers
X Other (Specify) Contaminated leachpool and cesspool sludge and sediment

Waste Unit (#) 3

Source Type

__ Constituent
__ Wastestream
__ Landfill
__ Contaminated Soil
__ Surface Impoundment (buried/backfilled)
__ Pile(Specify type: chemical, junk, trash, tailings, etc.)
X Drums
__ Land Treatment
__ Tanks/Containers
__ Other (Specify)

Waste Unit (#) 4

Source Type

__ Constituent
__ Wastestream
__ Landfill
__ Contaminated Soil
__ Surface Impoundment (buried/backfilled)
__ Pile(Specify type: chemical, junk, trash, tailings, etc.)
__ Drums
__ Land Treatment
X Tanks/Containers
__ Other (Specify)

Waste Unit (#) 5

Source Type

__ **Constituent**	__ **Wastestream**
__ **Landfill**	__ **Contaminated Soil**
__ **Surface Impoundment (buried/backfilled)**	__ **Pile(Specify type: chemical, junk, trash, tailings, etc.)**
__ **Drums**	__ **Land Treatment**
__ **Tanks/Containers**	**X Other (Specify) Contaminated groundwater**

Description:

1. **Describe the types of containers, impoundments or other storage systems (i.e. concrete lined surface impoundment) and any labels that may be present.**

   The drums that were reportedly onsite in 1994 were removed following a consent order requiring their removal. In addition, all above ground and under ground tanks were removed prior to the PSA. The only storage tanks located onsite were an underground 1,000 gallon fuel oil tank, which has reportedly been installed in the past 2 to 3 years, and an above ground propane tank. No other storage systems were observed on the site.

   REF: 7, 8, 9 & 10

2. **Describe the physical condition of the containers or storage systems (i.e. rusted and/or bulging metal drums).**

   The physical condition of the underground tank could not be ascertained during the inspection. The propane tank appeared to be in good condition. It was reported that the drums and tanks that were on site, which have since been removed, showed evidence of leaks.

3. **Describe any secondary containment that may be present (e.g. drums on concrete pad in building or above ground tank surrounded by berm).**

   Reportedly there was no secondary containment for any of the drums and tanks that were removed from the site. No additional containment was noted in the files or observed at the site.

Hazardous Waste Quantity - for each source, evaluate waste quantity by as many tiers (a-d) as you have information to support.

Waste units 1 and 2 are based on analytical data observed in the record files. The depth of contaminated sludge and sediment was not determined during these previous inspections and investigations.

Waste units 3 and 4 have reportedly been removed from the site. Any contaminated soil associated with these waste sources was also reportedly removed. The soil data generated from this PSA indicates that there is no longer any contaminated soil in the vicinity of these former storage areas.

The horizontal and vertical extent of the groundwater plume was not fully defined during the PSA. Therefore, the quantity of groundwater contamination could not be determined.

Hazardous Substances/Physical State – During the PSA chromium, aluminum, manganese iron, and o-xylene were detected in the groundwater beneath the site at levels exceeding there respective groundwater standard. The presence of aluminum iron and manganese may be attributed to natural background levels. The chromium in its original state may have originated from washing down materials associated with engine parts and other mechanical equipment that is prevalent within the hanger. The o-xylene in combination with other trace semi-volatile compounds namely PAHs may be attributed to the mishandling and improper disposal of used motor oil and other similar materials.

PART III: SAMPLING RESULTS

EXISTING ANALYTICAL DATA

Review and summarize any previously existing groundwater, soil, sediment, surface water, air, or waste sample analyses. Discuss the precision, accuracy, representativeness and completeness of previous sampling efforts. Describe the concentrations of chemicals of concern based on available data and media impacted. These parameters should be evaluated by examining the results of routine quality control procedures. Any suspected problems with this data should be identified. This is especially if the data cannot be used for HRS purposes. Any problems should receive the immediate attention of the work assignment manager. Identify data gaps.

A description of previous sampling efforts, including summaries of analytical data, is provided above in Section I, Item 4, "Site Assessment Activities/Observations". The QA/QC status for data obtained during previous investigations is unknown. However, no suspected problems with the data were readily noted.

SITE INSPECTION RESULTS

As appropriate to the particular site collect samples from air, drainage ditches, soil (surface and subsurface), standing pools of liquids, storage containers, stream and pond surface water, sediments (upgradient, at suspected source and downgradient) and ground water (upgradient, beneath site and downgradient). Samples are to be used for NPL listing purposes or to support an EE/CA (Engineering Evaluation/Cost Analysis) (as opposed to sampling used to determine immediate fire, explosion or direct contact hazards), and should go through CLP for full TAL and TCL analysis. Background samples are always necessary to document an observed release. Those samples that are considered background samples should be clearly identified.

To meet the objectives of this investigation and the NYSDEC Technical Work Plan, CDM's Site Specific Scope of Work outlined procedures to conduct site reconnaissance and utilities clearance and collect geoprobe soil and groundwater samples and collect groundwater samples from existing monitoring onsite wells.

Six geoprobe soil and groundwater samples were collected around the former East Hampton Aire site at an average depth of 24 to 25 feet below ground surface. One up gradient geoprobe was installed to the northwest of the hanger and surrounding structures. The remaining five geoprobes were installed downgradient of various site structures and features including: a former above ground kerosene storage tank, underground fuel oil storage tank, and drum storage area and an existing leach pool, septic tank, and overflow pool.

Zebra Environmental of Lynbrook, NY performed the geoprobe drilling in accordance with the procedures described in the approved site operation and Quality Assurance Plan. The CDM on-site geologist collected both groundwater and soil samples. Groundwater samples were collected with the use of a screen point sampler and dedicated disposable tubing. Groundwater was placed directly into the following: two 40-mL vials for VOC analysis, one 1-Liter plastic container for metal analysis, two 2-Liter amber bottle for

BNA analysis, two 2-Liter amber bottles for pesticides and PCB analysis and one 250 mL plastic container for cyanide analysis.

Soil samples were collected with the use of a 4-foot macro sampler and disposable liners. The macro sampler was driven at four foot intervals and samples were removed from the liners and placed into the following: two 2-oz jars for VOC analysis and one-32 oz jar for SVOC, metals, pesticides and PCB analysis.

Groundwater Sampling

As described above, seven geoprobe groundwater samples were collected and analyzed. In addition to the geoprobe locations a total of two groundwater samples were obtained from two existing onsite monitoring wells. A third onsite monitoring well was blocked with a foreign object and was unable to be sampled. All groundwater samples were collected at locations on the former East Hampton Aire property. Samples were collected with the use of dedicated diposable tubing and dedicated bailers and immediately following the sampling were delivered to H2M Labs. Sample analysis was for full TCL parameters. One MS, one MSD, one field blank, one duplicate and one trip blank were also collected for quality assurance/quality control purposes. Sample point DP-03 was used as the duplicate groundwater sample location. CDM monitored the quality and quantity of well purge water obtained from the two monitoring wells. Data is presented in Table 1.

Groundwater was analyzed according to the requirements of NYSDEP ASP 10/95 method 95-4 for low concentration volatile organic compounds, Method 95-2 TCL base neutral extractables, Method 95-3 PCB's, Pesticides and TAL metals and cyanide by Method 6010B. Mercury and cyanide were analyzed by Method 7470A and Method 335.2 respectively.

Two volatile organic compounds were identified above their respective detection limits including ethylbenzene (2 ug/L) in DP-06 and DP-07 and o-xylene (1 ug/L and 6 ug/L) in DP-06 and DP-07, respectively. The level of o-xylene at 6 ug/L exceeds its respective groundwater quality standard of 5 ug/L. No other volatile organic compounds were identified that exceeded the GA groundwater standard. The results of the volatile organic analysis are provided on Table 2.

Several semi-volatile organic compounds were recorded at estimate "J" values, including 2-methylnaphthalene in DP-02 and DP-06; diethylphthalate, naphthalene, flouranthene, pyrene and butylbenzylphthalate in DP-06; chrysene in DP-06 and DP-03 duplicate, bis(2-ethylhexyl)phthalate in DP-01, DP-02, DP-03, DP-05, DP-06 DP-07, DP-03 duplicate, MW-01 and MW-03; di-n-octylphthalate in DP-03 and DP-06. The presence of bis(2-ethylhexyl)phthalate in the groundwater samples may be the result of outside contamination from plastic tubing, latex gloves, or bailers (EPA Drinking Water and Health, Consumer Fact Sheet on Di (2-Ethylhexl) Phthalate) No semi-volatile organic compounds were identified that exceeded the GA groundwater standard. The results of the semi-volatile organic analysis is provided on Table 3.

One pesticide, namely beta-BHC, was presumptively identified with a "UJ" qualifier in DP-06 at 0.092 ug/L and was identified at an estimate "J" value in DP-07 at 0.18 ug/L. The concentration of beta-BHC at both locations exceed the GA groundwater standard of 0.04 ug/L. No PCB's were identified in any groundwater samples. Table 4 provides the results of the pesticide and PCB analysis.

Aluminum and iron were detected in all of the direct push groundwater samples. Chromium and lead were detected in all of the direct push samples with the exception of DP-01. Calcium was detected in all direct push samples with the exception of DP-01 and DP-07. Manganese was detected in all direct push samples and MW-01. Barium was identified in DP-04 and the DP-03 duplicate; copper was detected in DP-02, DP-03 and the DP-03 duplicate; sodium was detected in DP-02, DP-04 and DP-05; and zinc was identified in DP-02, DP-03, DP-03 duplicate and MW-01.

Aluminum was detected at levels above the GA groundwater standard of 2000 ug/L at all sampling locations except DP-01, MW-01 and MW-03. Iron and manganese were detected at levels above the GA groundwater standards of 300 ug/L for both metals at all sampling locations except MW-01 and MW-03. Chromium was detected at levels above the GA groundwater standard of 50 ug/L at sampling locations DP-02, DP-03 and the duplicate. Table 5 indicates the sampling locations and compounds that exceed respective groundwater standards.

Tentatively identified compounds (TIC's) were identified at some of the sampling locations at estimated values (Table 6). The laboratory reports that siloxanes are not inherent in the groundwater samples, but resulted from pretreatment of the glassware during sample preparation.

Soil Sampling

Continuous soil sampling was performed at all sampling locations. Each soil sample was screened for the presence of volatile organic compounds in the field utilizing an organic vapor monitor (OVM). The results of the OVM screening and the soil descriptions were recorded on the boring logs. Copies of all boring logs are provided in Appendix B.

The maximum depth of the soil borings varied from 24 feet below ground surface to 34 feet below ground surface. At six of the seven geoprobe locations one soil sample was collected for laboratory analysis. No soil sample was collected from DP-03 located adjacent to the northern leach pool. Samples were collected for laboratory analysis if the presence of volatile organic compounds were observed with the OVM. If no VOC readings were observed than the soil sample obtained from the vadose zone of the boring was collected. One MS, one MSD, one field blank, one duplicate and one trip blank were also collected for quality assurance/quality control purposes. The same trip blank was used for both the groundwater and soil samples. Sample point DP-05 (16 ft-20 ft) was used as the duplicate soil sample location. Soil was analyzed according to the requirements of NYSDEC ASP 10/95 method 95-1 for volatile organic compounds in soil and 95-4 for low concentration volatile organic compounds in water; Method 95-3 for PCB's and pesticides; Method 95-2 for the TCL base-neutral-acid extractables; Method 200.7 CLP-M for TAL metals; and Method 245.1 CLP-M for mercury. Table 7 provides a list of the soil samples that were collected for analysis. Included on this table are associated OVM readings and soil description.

Table 7 – Soil Sampling

Sample	Depth (feet)	OVM (ppm)*	Description
DP-01	28 - 32	0.4	Tan, coarse sand
DP-02	0 - 4	1.4	Orange/tan, medium sand

DP-03	No Sample Collected		
DP-04	14 - 16	0.6	Tan, medium sand
DP-05	16 - 20	0.2	Reddish tan, medium sand
DP-06	20 - 24	0.2	Dark brown/gray, medium-coarse sand
DP-07	12 - 16	0.8	Tan, medium sand

Note: Background OVM readings varied from 0.0 ppm to 0.2 ppm.

No volatile organic compounds were identified in any of the soil samples. The results of the volatile organic analysis are provided on Table 8.

Several semi-volatile organic compounds were recorded at estimate "J" values, including bis(2-ethylhexyl) phthalate in DP-06 and DP-07 and di-n-octylphthalate in DP-01, DP-06 and DP-07. The following semi volatile compounds were detected sample DP-06 at estimate "J" values: phenanthrene, flouranthene, pyrene, benzo[a]anthracene, chrysene, benzo[b]flouranthene, benzo[k]flouranthene, benzo[a]pyrene, Indeno[1,2,3-cd]pyrene and benzo[g,h,i]perylene. The presence of bis(2-ethylhexyl)phthalate in the soil samples may be the result of outside contamination from plastic spatulas, latex gloves or plastic liners (EPA Drinking Water and Health, Consumer Fact Sheet on Di (2-Ethylhexl) Phthalate) The results of the semivolatile organic analysis is provided on Table 9. No semi-volatile compounds were detected in any of the samples that exceed the NYSDEC soil cleanup objective to protect groundwater.

Two pesticides, namely 4,4'-DDE (2.2 ug/Kg) and 4,4'-DDT (2.2 ug/Kg), were identified in DP-06 at estimate "J" values. No PCB's were identified in any soil samples. Table 9 provides the results of the pesticide and PCB analysis. No pesticides or PCBs were detected in any of the samples that exceed the NYSDEC soil cleanup objective to protect groundwater.

Aluminum, chromium, iron, lead, manganese and zinc were detected in all of the direct push soil samples. Copper and vanadium were detected in soil Sample DP-01. The results of the metal analysis are provided on Table 10. The level of manganese identified in sample DP-05 and its corresponding duplicate slightly exceeded the site background level for manganese. All other metals that were identified did not exceed their respective NYSDEC TAGM recommended soil cleanup objective or eastern standard site background level.

Tentatively identified compounds (TIC's) were identified at some of the sampling locations at estimated values (Table 11).

Based on the data generated from this PSA it appears that minor petroleum contamination exists in the soil and groundwater in the vicinity of the leach pools and septic tank located to the east of the hanger. This conclusion is based upon the numerous volatile and semi-volatile organic compounds identified at estimated concentrations at sampling locations DP-06 and DP-07. Many of the semi-volatile compounds identified in DP-06 and DP-07 are polycyclic aromatic hydrocarbons (PAHs). Based on the history of the site the PAHs as well as other compounds identified in the samples may be the result of improper handling and/or disposal of used motor oils. Additionally, there is slight chromium contamination in the vicinity of the former above ground tank and leach pool, both located to the north of the hanger building.

PART IV: HAZARD ASSESSMENT

GROUNDWATER ROUTE

1. **Describe the likelihood of a release of contaminant(s) to groundwater as follows: observed release, suspected release, or none. Identify contaminants detected or suspected and provide a rationale for attributing them to the site. For observed release, define the supporting analytical evidence and relationship to background.**

   Based on the data generated from this PSA the groundwater has been slightly impacted by the storage and disposal practices at the site. The soil analysis indicates that the source of contamination has been removed, with the exception of the subsurface drainage structures. These structures in the past have been found to contain various contaminants that may impact the groundwater. An analysis of these structures was not included in this PSA. The level of contamination identified in the groundwater slightly exceeds the GA groundwater standards. With the source presumably removed it may be assumed that an increase in groundwater contamination will not occur so long as the contaminant status of the subsurface drainage structures is verified.

2. **Describe the aquifer of concern; include information such as stratigraphy, depth, thickness, geologic composition, areas of karst terrain, permeability, overlying strata, confining layers, interconnections, discontinuities, depth to water table, groundwater flow direction. Attach a sketch of stratigraphic column.**

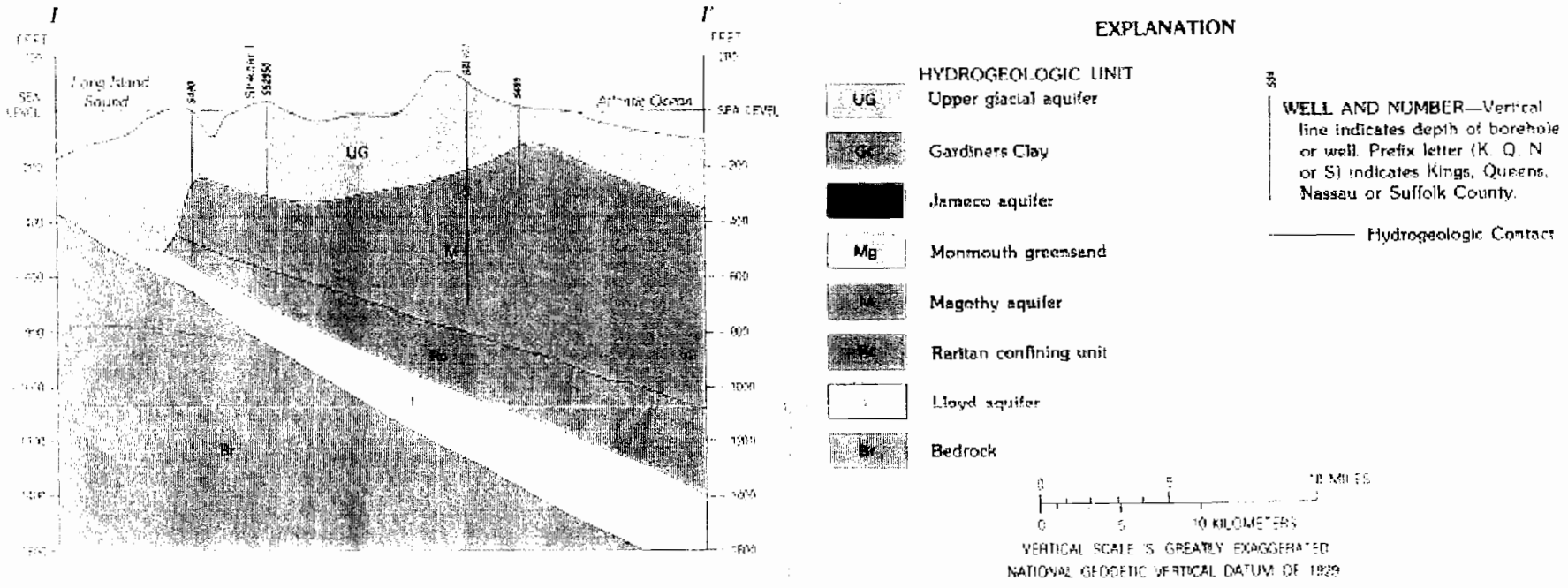
   The East Hampton Aire site is located in an area consisting of a relatively flat, gently south sloping, glacial outwash plain. Beneath the site area are unconsolidated sediments of Pleistocene and Cretaceous age. The stratigraphy beneath the site is represented schematically in Figure 3.

   The area is directly underlain by glacial outwash of highly permeable fine to coarse quartzitic sands with gravel. These glacial deposits comprise the Upper Glacial aquifer and are approximately 130 feet thick within the study area. Porosity within such deposits can be as high as 30 to 40 percent and average hydraulic conductivity's of 1.8×10^5 gpd/ft^2, and transmissivities of 2.3×10^5 gpd/ft are common.

   Below the Upper Glacial aquifer lies the Magothy aquifer consisting of Cretaceous aged high to moderately permeable sands, silts, and gravels. The Magothy aquifer is over 700 feet thick within the site area and is the primary source of drinking water for Suffolk County residents. The Magothy aquifer has an estimated horizontal hydraulic conductivity of 50 ft/day (1.7×10^{-10} cm/sec) but individual sandy and gravelly beds may have values four to five times higher (Kimmel & Braids, USGS Prof. Paper 1085).

   The Raritan Clay consisting of Cretaceous aged deltaic clay and silty clay beds underlie the Magothy aquifer and acts as an effective aquiclude or confining unit having a hydraulic conductivity of approximately 1.0×10^{-3} ft/day. Below the Raritan Clay is the Lloyd Sand member, which lies unconformably on Pre-Cambrian aged bedrock and is of Cretaceous age. It is composed of highly variable sands, gravels, and clays of a deltaic origin and has a moderate hydraulic conductivity of 40 ft/day (1.3×10^{-2} cm/sec) (Kimmel & Braids, USGS Prof. Paper 1085). The Llyod Sand member, or Llyod aquifer, is presently a minor source of drinking water within Suffolk County due primarily to its extreme depth.

O:\KALNY\Suffolk Sites\East Hampton Aire\Figure 1-2



MAP SOURCE: Hydrologic Framework Of Long Island, N.Y.D.A. Smolonsky, H.T. Buxton, And P.K. Shernoff

Figure 3
Generated North-South Cross Section Through East Hampton Aire Site

According to the Suffolk County groundwater contour map, groundwater within the general area of the site flows in a south-southeasterly direction. Groundwater velocities (horizontal) within the Upper Glacial aquifer range between one (1) and four (4)feet/day (McClymonds & Franke, 1972.).
REF: 15

3. **What is the depth from the lowest point of waste disposal/storage to the highest seasonal level of the saturated zone of the aquifer(s) of concern?**

Based on the monitoring well sampling the water table was encountered between 24 and 25 feet below ground surface. No documentation regarding the depth of the drywells or cesspool was identified in the agency files. The above ground storage tank was located at grade making the distance form the source to the water table 24 feet. The same holds true for the drum storage area, which was also located at grade.

4. **What is the permeability value of the least permeable continuous intervening stratum between the ground surface and the top of the aquifer of concern?**

The East Hampton Aire site is located in an area consisting of a relatively flat, gently south sloping, glacial outwash plain. Beneath the site area are unconsolidated sediments of Pleistocene and Cretaceous age. The area is directly underlain by glacial outwash of highly permeable fine to coarse quartzitic sands with gravel. Porosity within such deposits can be as high as 30 to 40 percent and average hydraulic conductivity's of 1.8 x 10^5 gpd/ft^2, and transmissivities of 2.3 x 10^5 gpd/ft are common.

5. **What is the net precipitation at the site (inches)?**

The average precipitation for nearby Bridgehampton, New York is 45.4 inches annually. The average annual evapotranspiration is 17.8 inches. Therefore, the total net precipitation at the site was estimated to be approximately 27.6 inches.
REF: 16

6. **What is the distance to and depth of the nearest well that is currently used for drinking purposes?**

A well record search provided by the Suffolk County Water Authority (SCWA) indicates that there are two supply wells and one test boring location within a three mile radius of this site. The two supply wells are located approximately 1 mile to the northeast of the site. The CDM database had limited information regarding these wells. However the wells are located upgradient of the site and should not be impacted by the contamination identified at the site.

The SCWA also provided a list of private wells located within a three mile radius of the site. The nearest well is located approximately 3,500 feet to the northeast of the site. The nearest downgradient well is located approximately 4,800 feet south east of the site at the Wainscott Motel. No additional information was available regarding this well.
REF: 13

7. **If a release to groundwater is observed or suspected, determine the number of people that obtain drinking water from wells that are documented or suspected to be actually contaminated by hazardous substance(s) attributed to an observed release from the site.**

The public supply wells are located upgradient of the site and should not be impacted by contamination observed at the site. The nearest downgradient private well is located approximately 4,800 feet southeast of the site and may be screened in the upper glacial aquifer. Because only slight contamination was identified onsite this well should not be impacted, due to natural attenuation.
REF: 13

8. **Identify the population served by wells (private + municipal) located within 4 miles of the site that draw from the aquifer(s) of concern.**

As discussed in Item 6 above there are two public supply wells that draw groundwater within a three mile radius of the site. The potential population impacted is as follows:

Distance	Population of Upper Glacial Aquifer
0 - 1/4 mi	N/A
>1/4 - 1/2 mi	N/A
0 - 1 mi	487
>1 - 2 mi	109
>2 - 3 mi	3,759
>3 - 4 mi	4,107

REF: 17

State whether groundwater is blended with surface water, groundwater, or both before distribution.

Groundwater is not blended with surface water prior to distribution.

Is a designated well head protection area within 4 miles of the site?

All of Suffolk County's groundwater is considered as being withdrawn from a sole source aquifer. By definition, the total area of a sole source aquifer is considered a wellhead protection area. Therefore, the entire 4 mile radius is within a well head protection area.
REF: 18

Does a waste source overlie a designated or proposed wellhead protection area? If a release to groundwater is observed or suspected. does a designated or proposed wellhead protection area lie within the contaminant boundary of the release?

Being that all of Suffolk County is considered a well head protection area, the groundwater contamination identified during this investigation would be considered within the wellhead protection area.
REF: 18

9. **Identify one of the following resource uses of groundwater within 4 miles of the site (i.e., commercial livestock watering, ingredient in commercial food preparation, supply for commercial aquaculture, supply for major, or designated water recreation area, excluding drinking water use, irrigation (5-acre minimum) of commercial food or commercial forage crops, unusable).**

A number of private wells are located within a three mile radius of the site. The description of ownership for these wells varies from private residences to restaurants. It may also be presumed that some of these wells are used for agricultural purposes as much of the east end of Long Island is rural.

REF: 13

SURFACE WATER ROUTE

10. **Describe the likelihood of a release of contaminant(s) to surface water as follows: release, suspected release, or none. Identify contaminants detected or suspected and provide a rationale for attributing them to the site. For observed release, define the supporting analytical evidence and relationship to background.**

Based on the data collected to date, contamination from the site is not believed to have reached the nearest body of surface water. The route to the nearest body of surface water would be Georgica Pond via groundwater or via surface runoff. This surface water runoff is collected by onsite drywells and storm drains and would not likely reach Georgica Pond. Due to natural attenuation and the low level of groundwater contamination observed at the site, Georgica Pond, which is located approximately 3/4 miles to the southeast of the site, should not be impacted via groundwater migration.
REF: Figure 1

11. **Identify the nearest down slope surface water. Include a description of possible surface drainage patterns from the site.**

The nearest down slope surface water is Georgica Pond, which drains into the Atlantic Ocean. Due to drywells, storm drains, natural and man-made drainage barriers and channels there is no likely drainage route to Georgica Pond.
REF: Figure 1

12. **What is the distance to the nearest down slope surface water? Measure the distance along a course that runoff can be expected to follow.**

Georgica Pond is approximately 3/4 miles southeast of the site. The natural topography of the site tends to slope to the southeast to Industrial Road. Any runoff reaching Industrial Road would be collected by storm drains.
REF: Figure 1

13. **Identify all surface water body types within 15 downstream miles.**

Name	Water Body Type	Flow	Saline/Fresh/Brackish
Georgica Pond	Pond	N/A	Fresh

Atlantic Ocean	Ocean	N/A	Saline

REF: Figure 1

14. Determine the 2 yr, 24 hr rainfall (inches) for the site?

The 2-yr, 24-hr rainfall for Long Island is 3.25 inches.

REF: 19

15. Determine size of drainage area (Acres) for the sources at the site?

Based on the site survey, the site is approximately 1 acre. However, much of the site is developed and covered with either buildings or pavement therefore reducing the actual drainage area by approximately half.

16. Describe the predominant soil group in the drainage area?

The soil at the site is generally Carver and Plymouth sands. The Carver sands consist of deep, excessively drained, coarse textured soils. Carver soils have a very low moisture capacity. The Plymouth series consists of deep, excessively drained, coarse textured soils that formed in the a mantle of loamy sand or sand over thick layers of stratified coarse sand and gravel. Plymouth soils have low to very low moisture capacity.
REF: 20

16. Determine the floodplain (1 yr., 10 yr., 100 yr., 500 yr., none) that the site is within.

The site is not located within any floodplain.

18. Identify drinking water intakes in surface waters within 15 miles downstream of the point of surface water entry. For each intake identify: the name of the surface water body in which the intake is located, the distance in miles from the point of surface water entry, population served, and stream flow at the intake location.

There are no surface water bodies downgradient of the site that serve as drinking water supplies.

19. Identify fisheries that exist within 15 miles downstream of the point of surface water entry. For each fishery specify the following information:

Fishery	WB	Distance From PPE	Flow (cfs)	Saline/Fresh/Brackish
Atlantic Ocean	Ocean	1.5 miles	N/A	Saline

20. Identify surface water sensitive environments that exist within 15 miles of the point of surface water entry.

Environment	WB Type	Distance from PPE	Flow (cfs)	Wetland Frontage
Georgica Pond	Pond	0	N/A	>3 miles
Great South Bay	Bay	1.5 miles	N/A	Excessive

REF: 21

21. **If a release to surface water is observed or suspected, identify any intakes, fisheries, and sensitive environments from question Nos. 18-20 that are or may be actually contaminated by hazardous substance(s) attributed to an observed release from the site.**

There have been no known or suspected releases to any surface water bodies, therefore no sensitive areas are known to be contaminated as a result of the East Hampton Aire site. Additionally, no surface water sampling was performed as part of the PSA.

22. **Identify whether the surface water is used for any of the following purposes, such as: irrigation (5 acre minimum) of commercial food or commercial forage crops, watering of commercial livestock, commercial food preparation, recreation, potential drinking water supply?**

Georgica Pond is utilized for recreational activities such as swimming, boating and fishing. The Atlantic Ocean is used for commercial fishing as well as recreational activities such as swimming and boating.

SOIL EXPOSURE PATHWAY

23. **Determine the number of people that occupy residences or attend school or day care on or within 200 feet of an area of observed contamination.**

Contamination was not detected above cleanup objectives in any of the soil samples obtained at the site. Therefore there is no soil exposure risk.

24. **Determine the number of people that regularly work on or within 200 feet of an area of observed or suspected contamination.**

Contamination was not detected above cleanup objectives in any of the soil samples obtained at the site. Therefore there is no soil exposure risk.

25. **Identify terrestrial sensitive environments on or within 200 feet of an area of observed or suspected contamination.**

Contamination was not detected above cleanup objectives in any of the soil samples obtained at the site. Therefore there is no soil exposure risk.

26. **Identify whether there are any of the following resource uses, such as commercial agriculture, silviculture, livestock production or grazing within an observed or suspected contamination boundary?**

Contamination was not detected above cleanup objectives in any of the soil samples obtained at the site. Therefore there is no soil exposure risk.

AIR ROUTE

27. Describe the likelihood of release of contaminants to air as follows: observed release, suspected release, or none. Identify contaminants detected or suspected and provide a rationale for attributing them to the site. For observed release define the supporting analytical evidence and relationship to background.

No air releases have been identified at the site.

28. Determine populations that reside within 4 miles of the site.

Distance	Population
0 (on-site)	~ 10
0 - 1/4 mi	N/A
>1/4 - 1/2 mi	N/A
0 - 1 mi	487
>1 - 2 mi	109
>2 - 3 mi	3,759
>3 - 4 mi	4,107

The total population that resides within four miles of the site is 8,462.
REF: 17

29. Identify sensitive environments and wetlands acreage (wetland acreage only for wetlands sensitive environment) within 4 miles of the site.

Distance	Type of Sensitive Environment	Actual Distance from site (miles)	Wetland Acreage
0 (on-site)			
0-1/4 mi.			
>1/4-1/2 mi.			
>1/2-1 mi.	1. Estuarine, Subtidal, Unconsolidated bottom.	0.75 miles	135
>1-2 mi.	2. Marine, Subtidal, Unconsolidated Bottom	2.25 miles	>35
>2-3 mi.			
>3-4 mi.			

All wetlands described above are part of the Georgica Pond and Atlantic Ocean systems.
REF:22

30. **If a release to air is observed or suspected, determine the number of people that reside or are suspected to reside within the area of air contamination (might be actual contamination) from the release.**

No air releases have been identified at the site.

31. **If a release to air is observed or suspected, identify any sensitive environments, that are or may be located within the area of air contamination from the release.**

No air releases have been identified at the site.

REFERENCES

Photograph 1
Installation of DP-01 – East Hampton Airport in background
(Looking North)

Photograph 2
Installation of DP-01
(Looking West)

Photograph 3
North side of hanger – dry well cover at center and concrete tank pads at left
(Looking Southeast)

Photograph 4
West side of hanger
(Looking South)

Photograph 5
East side of hanger – taxi area at left and fuel truck in foreground
(Looking South)

Photograph 6
South side of hanger – MW-01 in foreground and hanger entrance in background
(Looking Northeast)

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LOG OF BORING

BORING # DP-01
Page 1 of 1
Permit #:
Job #: 0897-27207-EHA.FLD

Project _____ Location East Hampton Aire
Date Drilled 2/14/00 Drilling Co.: Zebra
Total Depth 36 ft Method Used: Direct Push
Inspector C. Korzenko Organic Vapor Inst: OVM Water depth: 36 ft

Depth (feet)	Sample No.	Sample Inter.	Adv/Rec (feet)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
4		0'-4'		0.2	Coarse Sand, Tan Orange		
8		4'-8'		0.0	Medium Sand, Tan		
12		8'-12'		0.0	Medium Sand, Tan		
16		12'-16'		0.2	Fine Sand, Tan		
		16'-20'		0.0	Fine Sand, Tan		
24		20'-24'		0.0	Fine Sand, Tan		
		24'-28'		0.0	Fine Sand, Tan		
32		28'-32'		0.4	Coarse Sand, Tan		

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LOG OF BORING

BORING # DP-02
Page 1 of 1
Permit #:
Job #: 0897-27207-EHA.FLD

Project
Location East Hampton Aire
Date Drilled 2/14/00
Drilling Co.: Zebra
Total Depth 30 ft
Method Used: Direct Push
Inspector C. Korzenko
Organic Vapor Inst: OVM
Water depth: 25'-30'

Depth (feet)	Sample No.	Sample Inter.	Adv/Rec (feet)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
4		0'-4'		1.4	Medium Sand, Orange / Tan		
8		4'-8'		0.2	Medium Sand with Cobbles, Tan		
12		8'-12'		0.2	Fine Sand with Cobbles, Tan		
16		12'-16'		0.0	Fine Sand with Cobbles, Tan		
20		16'-20'		0.0	Fine Sand with Cobbles, Tan		
24		20'-24'		0.0	Medium / Coarse Sand, Tan		

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LOG OF BORING

BORING # DP-03
Page 1 of 1
Permit #:
Job #: 0897-27207-EHA.FLD

Project
Location East Hapton Aire
Date Drilled 2/14/00
Drilling Co.: Zebra
Total Depth 30 ft
Method Used: Direct Push
Inspector C. Korzenko
Organic Vapor Inst: OVM
Water depth: 25'-30'

Depth (feet)	Sample No.	Sample Inter.	Adv/Rec (feet)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
4		0'-4'		0.0	Medium Sand, Tan		
8		4'-8'		0.0	Medium Sand, Tan		
12		8'-12'		0.2	Medium / Fine Sand, Tan		
16		12'-16'		0.0	Medium / Fine, Sand Tan		
20		16'-20'		0.0	Medium Sand with Cobbles, Tan		
24		20'-24'		0.0	Coarse / Medium Sand with Cobbles, Tan		

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LOG OF BORING

BORING # DP-04
Page 1 of 1
Permit #:
Job #: 0897-27207-EHA.FLD

Project
Location East Hampton Aire
Date Drilled 2/15/00
Drilling Co.: Zebra
Total Depth 30 ft
Method Used: Direct Push
Inspector C. Korzenko
Organic Vapor Inst: OVM
Water depth: 25'-30'

Depth (feet)	Sample No.	Sample Inter.	Adv/Rec (feet)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
4		0'-4'		0.0	Fine Sand, Dark Brown		
8		4'-8'		0.0	Fine / Medium Sand, Tan		
12		8'-12'		0.2	Fine / Medium Sand, Tan and Orange		
16		12'-16'		0.6	Medium Sand, Light Tan, 14'-16' Tan		
20		16'-20'		0.0	Medium Sand, Tan		
24		20'-24'		0.0	Medium Sand, Tan		

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LOG OF BORING

BORING # DP-05
Page 1 of 1
Permit #:
Job #: 0897-27207-EHA.FLD

Project
Location East Hampton Aire
Date Drilled 2/15/00
Drilling Co.: Zebra
Total Depth 30 ft
Method Used: Direct Push
Inspector C. Korzenko
Organic Vapor Inst: OVM
Water depth: 25'-30'

Depth (feet)	Sample No.	Sample Inter.	Adv/Rec (feet)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
4		0'-4'		0.2	0'-1' Top Soil, 1'-4' Medium Sand, Tan		
8		4'-8'		0.0	Medium Sand with Cobbles, Tan		
12		8'-12'		0.2	Medium Sand, Dark Tan		
16		12'-16'		0.0	Medium Sand, Tan		
20		16'-20'		0.2	Medium Sand, Tan Reddish		
24		20'-24'		0.0	Medium Sand, Tan Reddish		

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LOG OF BORING

BORING # DP-06
Page 1 of 1
Permit #:
Job #: 0897-27207-EHA.FLD

Project
Location East Hampton Aire
Date Drilled 2/15/00
Drilling Co.: Zebra
Total Depth 30 ft
Method Used: Direct Push
Inspector C. Korzenko
Organic Vapor Inst: OVM
Water depth: 25'-30'

Depth (feet)	Sample No.	Sample Inter.	Adv/Rec (feet)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
4		0'-4'		0.2	0'-1.5' Top Soil 1.5'-4' Medium Sand, Brown		
8		4'-8'		0.2	4'-6' Medium Sand, Tan 6'-8' Coarse Sand, Tan		
12		8'-12'		0.2	Coarse Sand with Cobbles, Dark Tan		
16		12'-16'		0.2	Medium Sand with Cobbles, Tan		
20		16'-20'		0.2	Medium Sand, Tan		
24		20'-24'		0.2	Medium / Coarse Sand, Dark Brown / Gray		

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LOG OF BORING

BORING # DP-07
Page 1 of 1
Permit #:
Job #: 0897-27207-EHA.FLD

Project
Location East Hampton
Date Drilled 2/15/00
Drilling Co.: Zebra
Total Depth 30'
Method Used: Direct Push
Inspector C. Korzenko
Organic Vapor Inst: OVM
Water depth: 25'-30'

Depth (feet)	Sample No.	Sample Inter.	Adv/Rec (feet)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
4		0'-4'		0.2	0'-1.5' Top Soil Reddish Brown 1.5'-4' Medium Sand Reddish Brown		
8		4'-8'		0.2	Medium Sand, Tan		
12		8'-12'		0.2	Coarse / Medium Sand with Cobbles Light Tan		
16		12'-16'		0.8	Medium Sand, Tan		
20		16'-20'		0.2	Medium / Coarse Sand, Tan		
24		20'-24'		0.2	Medium / Coarse Sand, Tan		

CW CHEMWORLD ENVIRONMENTAL, INC.
Environmental Consultants

June 30, 2000

Mr. David Keil
Camp Dresser & McKee, Inc.
100 Crossways Park West
Suite 415
Woodbury, New York 11797

RE: Data Usability Summary Report (DUSR)
East Hampton Aire Project
H2M Labs, Inc.
SDG Nos. CDM030, CDM030A and CD&M031
Analyses for Volatile Organics, Base/Neutral and Acid Extractable Organics, Pesticides/PCBs and Inorganics

Dear Mr. Keil:

Data Usability Summary Report (DUSR) technical services were performed by ChemWorld Environmental, Inc. for the East Hampton Aire Project for the sampling event of February 14 - 15, 2000. The analytical data from the Sample Delivery Group (SDG) Nos. referenced above was reviewed (screened) for the parameters noted. The data screening consisted of a review of the Quality Control (QC) Summary Forms and a brief review of various chromatograms and quantitation reports. The QC Forms were reviewed to determine whether any data required qualification based upon QC deviations noted on the Forms. The associated Analytical Data Result Forms are included as Attachment A. These Forms include data qualifiers as described within this letter report.

The DUSR review items include the following, as method appropriate:

- Holding Times from Verified Time of Sample Receipt (VTSR)
- Surrogate Recovery
- GC/MS Instrument Performance Check
- Initial and Continuing Calibration
- Matrix Spike / Matrix Spike Duplicates (MS/MSD)
- Matrix Spike Blanks (MSB)
- Tentatively Identified Compounds (TICs)
- Internal Standards
- Method and Field Blanks
- CRDL Standards for ICP
- Laboratory Duplicate Samples
- Laboratory Control Samples (LCS)
- ICP Interference Check
- ICP Serial Dilutions

The QC Summary Forms included various deviations based upon the acceptable limits for quality control. The following should be noted regarding qualification of the data set for the review items above.

14 Orchard Way North, Rockville, Maryland 20854, Tel. (301) 294-6144, Fax (301) 309-6640

Volatiles, SDG No. CDM030

Continuing Calibration: The Percent Difference (%D) was found to exceed the limit of 25% for several volatile compounds from the continuing calibrations on 2/22/2000 at 16:16 and 3/07/2000 at 11:08. The associated sample results were qualified as 'UJ', estimated, for the non-detectable results, for these compounds. Positive results were not detected for the compounds affected. However, the non-detectable results for acetone associated with the continuing calibration on 2/22/2000 were qualified as 'R', unusable, due to a response factor of greater than 0.01 but less than 0.05.

Field Blank: Acetone was detected at 3 ug/L in the field blank associated with the samples. A limit of ten times this acetone result was used for review and qualification of the associated water samples. Sample results which were found to be less than the respective blank limit were qualified as 'U', not detected. Sample results which were found to be less than the respective blank limit and were reported at less than the Contract Required Quantitation Limit (CRQL) were qualified as 'U', not detected, at the CRQL.

Volatiles, SDG No. CDM031

Continuing Calibration: The %D was found to exceed the limit of 25% for several volatile compounds from the continuing calibrations on 2/17/2000 at 21:57, 2/18/2000 at 13:58 and 2/22/2000 at 16:16. The associated sample results were qualified as 'UJ', estimated, for the non-detectable results, for the affected compounds. Positive results were not detected for these compounds. In addition, the non-detectable result for acetone for the field blank sample associated with the continuing calibration on 2/22/2000 was qualified as 'R', unusable, due to a response factor of greater than 0.01 but less than 0.05.

Method Blank: Methylene chloride was detected at 1 ug/Kg in one of the three method blanks and at 5 ug/Kg in another method blank associated with the samples. A limit of ten times the highest methylene chloride result was used for review and qualification of the associated soil samples. Sample results which were found to be less than the respective blank limit were qualified as 'U', not detected. Sample results which were found to be less than the respective blank limit and were reported at less than the Contract Required Quantitation Limit (CRQL) were qualified as 'U', not detected, at the CRQL.

Semi-Volatiles, SDG No. CDM030

TICs: TICs were qualified as 'R', unusable, in accordance with USEPA Region II guidelines for common lab contaminants.

Semi-Volatiles, SDG No. CDM030A

Continuing Calibration: The %D was found to exceed the limit of 25% for several of the semi-volatile compounds from the continuing calibration on 3/13/2000 at 12:50. The associated sample results were qualified as 'UJ', estimated, for the non-detectable results, for these compounds. Positive results were not detected for the compounds affected. In addition, the response factor for 2,4-Dinitrophenol was generated at greater than 0.01 but less than 0.05 for the continuing calibration on 3/13/2000. The associated non-detectable results for this compound were qualified as 'R', unusable. Positive results were not detected for 2,4-Dinitrophenol.

TICs: TICs were qualified as 'R', unusable, in accordance with USEPA Region II guidelines for common lab contaminants.

Semi-Volatiles, SDG No. CDM031

Continuing Calibration: The %D was found to exceed the limit of 25% for benzo(K)fluoranthene from the continuing calibration on 2/25/2000 at 13:31. The associated sample results were qualified as 'J', estimated, for the positive results and 'UJ', estimated, for the non-detectable results, for this compound.

TICs: TICs were qualified as 'R', unusable, in accordance with USEPA Region II guidelines for common lab contaminants.

Pesticide / PCB's, SDG No. CDM030

Surrogates: Low and high surrogate recovery were generated for the surrogates for samples DP02, DP06 and DP07. These samples were qualified as 'J', estimated, for the positive results and 'UJ', estimated, for the non-detectable results.

Percent Difference For GC Columns: Samples DP06 and DP07 generated %D's of greater than 25% for the two GC columns for beta-BHC. The associated sample results were qualified as 'J', estimated, where the %D exceeded 25% but was less than 70%. For instances where the %D exceeded 70%, the associated data was qualified as 'JN', presumptively present at an approximate quantity.

Pesticide / PCB's, SDG No. CDM031

Linearity: The Percent Relative Standard Deviation (%RSD) was found to exceed the limit of 20% for methoxychlor from the initial calibration on 2/28/2000. The associated sample results for this compound were qualified as 'UJ', estimated, for the non-detectable results. Positive results were not detected for methoxychlor.

Percent Difference For GC Columns: Sample DP06 generated a %D of greater than 25% for the two GC columns for 4,4'DDE. The associated sample result was qualified as 'J', estimated.

Inorganics, SDG No. CDM030

ICP Serial Dilution: Potassium was found to generate a %D at greater than 10%. The associated sample results which exceed 10 times the Instrument Detection Limit (IDL) for potassium were qualified as 'J', estimated.

Matrix Spike Recovery: Recovery was generated low and out of the acceptable 75-125% range for selenium. The associated water samples were qualified as 'J', estimated, for the positive results and 'UJ', estimated, for the non-detectable results for selenium.

Inorganics, SDG No. CDM031

Matrix Spike Recovery: Recovery was generated low and out of the acceptable 75-125% range for selenium and high for managanese. The associated soil samples were qualified as 'J', estimated, for the positive results and 'UJ', estimated, for the non-detectable results for selenium and 'J', estimated, for the positive results, only, for manganese.

Laboratory Duplicate: Poor precision was generated for the soil samples for iron. The associated samples were qualified as 'J', estimated, for the positive results for this inorganic.

ICP Serial Dilution: Copper and zinc were found to generate %D's at greater than 10%. The associated sample results which exceed 10 times the IDL for these inorganics were qualified as 'J', estimated.

Field Blank: The field blank contained 6 of the 23 inorganics analyzed. The inorganics included the following: calcium, iron, magnesium, potassium, sodium and zinc. The associated sample results for the soils which were found to be less than five times the respective field blank value were qualified as 'U', not detected. Sample results which exceed the blank limit do not require qualification.

Please contact me by telephone at 301-294-6144, should you require additional information or clarification regarding this Letter Report.

Sincerely,

Andrea P. Schuessler

Andrea P. Schuessler, CHMM
ChemWorld Environmental, Inc.

c: CD-2100.6 file

ORGANIC DATA QUALIFIERS

U - Indicates that the compound was analyzed for, but not detected at or above the Contract Required Quantitation Limit (CRQL), or the compound is not detected due to qualification through the method or field blank.

J - The associated numerical value is an estimated quantity.

JN - Tentatively identified with approximated concentrations (Volatile and Semi-Volatile Organics). Presumptively present at an approximated quantity (Pesticides/PCBs).

UJ - The compound was analyzed for, but not detected. The sample quantitation limit is an estimated quantity due to variance from quality control limits.

C - Applies to Pesticide results where the identification has been confirmed by GC/MS.

E - Reported value is estimated due to quantitation above the calibration range.

D - Reported result taken from diluted sample analysis.

A - Aldol condensation product.

R - Reported value is unusable and rejected due to variance from quality control limits.

NA - Not Analyzed.

INORGANIC DATA QUALIFIERS

U - Indicates analyte not detected at or above the Contract Required Detection Limit (CRDL), or the compound is not detected due to qualification through the method or field blank.

B - Indicates analyte result is between Instrument Detection Limit (IDL) and CRDL.

J - The reported value is estimated due to variance from quality control limits.

UJ - The element was analyzed for, but not detected. The sample quantitation limit is an estimate due to variance from quality control limits.

E - Reported value is estimated because of the presence of interference.

R - Reported value is unusable and rejected due to variance from quality control limits.

NA - Not analyzed.

Attachment A

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP-01

Lab Name: H2M LABS,INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 200000216-012

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3503.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. Date Analyzed: 02/22/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	UR
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-dichloroethene	1	U
75-34-3	1,1-dichloroethane	1	U
78-93-3	2-Butanone	5	UJ
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
48-87-5	1,2-dichloropropane	1	U
10061-01-5	cis-1,3-dichloropropene	1	U
79-01-6	Trichloroethene	1	U
71-43-2	Benzene	1	U
124-48-1	Dibromochloromethane	1	U
10061-02-6	trans-1,3-dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-17-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
156-60-5	trans-1,2-dichloroethene	1	U
108-05-4	Vinyl acetate	1	U
156-59-2	cis-1,2-dichloroethene	1	U
109-93-4	1,2-dibromoethane	1	U
1330-20-7	m\p-xylene	1	U
95-47-6	o-xylene	1	U
541-73-1	1,3-dichlorobenzene	1	U
106-46-7	1,4-dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DP-01

Lab Name: H2M LABS,INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 200000216-012

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3503.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. Date Analyzed: 02/22/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-50-1	1,2-dichlorobenzene	1	U
96-12-8	1,2-dibromo-3-chloropropane	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP-02

Lab Name: H2M LABS,INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 200000216-013

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3504.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. Date Analyzed: 02/22/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	4	U
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-dichloroethene	1	U
75-34-3	1,1-dichloroethane	1	U
78-93-3	2-Butanone	5	UJ
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
48-87-5	1,2-dichloropropane	1	U
10061-01-5	cis-1,3-dichloropropene	1	U
79-01-6	Trichloroethene	1	U
71-43-2	Benzene	1	U
124-48-1	Dibromochloromethane	1	U
10061-02-6	trans-1,3-dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-17-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
156-60-5	trans-1,2-dichloroethene	1	U
108-05-4	Vinyl acetate	1	U
156-59-2	cis-1,2-dichloroethene	1	U
109-93-4	1,2-dibromoethane	1	U
1330-20-7	m\p-xylene	1	U
95-47-6	o-xylene	1	U
541-73-1	1,3-dichlorobenzene	1	U
106-46-7	1,4-dichlorobenzene	1	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP-02

Lab Name: H2M LABS,INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 200000216-013

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3504.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. Date Analyzed: 02/22/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
95-50-1	1,2-dichlorobenzene	1	U
96-12-8	1,2-dibromo-3-chloropropane	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP-03

Lab Name: H2M LABS,INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 200000216-014

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3505.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. Date Analyzed: 02/22/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	UR
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-dichloroethene	1	U
75-34-3	1,1-dichloroethane	1	U
78-93-3	2-Butanone	5	UJ
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
48-87-5	1,2-dichloropropane	1	U
10061-01-5	cis-1,3-dichloropropene	1	U
79-01-6	Trichloroethene	1	U
71-43-2	Benzene	1	U
124-48-1	Dibromochloromethane	1	U
10061-02-6	trans-1,3-dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-17-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
156-60-5	trans-1,2-dichloroethene	1	U
108-05-4	Vinyl acetate	1	U
156-59-2	cis-1,2-dichloroethene	1	U
109-93-4	1,2-dibromoethane	1	U
1330-20-7	m\p-xylene	1	U
95-47-6	o-xylene	1	U
541-73-1	1,3-dichlorobenzene	1	U
106-46-7	1,4-dichlorobenzene	1	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP-03

Lab Name: H2M LABS,INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 200000216-014

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3505.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. Date Analyzed: 02/22/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
95-50-1	1,2-dichlorobenzene	1	U
96-12-8	1,2-dibromo-3-chloropropane	1	U

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DP-04

Lab Name: H2M LABS,INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 200000216-015

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3506.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. Date Analyzed: 02/22/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-dichloroethene	1	U
75-34-3	1,1-dichloroethane	1	U
78-93-3	2-Butanone	5	UJ
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
48-87-5	1,2-dichloropropane	1	U
10061-01-5	cis-1,3-dichloropropene	1	U
79-01-6	Trichloroethene	1	U
71-43-2	Benzene	1	U
124-48-1	Dibromochloromethane	1	U
10061-02-6	trans-1,3-dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-17-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
156-60-5	trans-1,2-dichloroethene	1	U
108-05-4	Vinyl acetate	1	U
156-59-2	cis-1,2-dichloroethene	1	U
109-93-4	1,2-dibromoethane	1	U
1330-20-7	m\p-xylene	1	U
95-47-6	o-xylene	1	U
541-73-1	1,3-dichlorobenzene	1	U
106-46-7	1,4-dichlorobenzene	1	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP-04

Lab Name: H2M LABS,INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 200000216-015

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3506.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. Date Analyzed: 02/22/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
95-50-1	1,2-dichlorobenzene	1	U
96-12-8	1,2-dibromo-3-chloropropane	1	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP-05

Lab Name: H2M LABS,INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 200000216-016

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3507.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. Date Analyzed: 02/22/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-dichloroethene	1	U
75-34-3	1,1-dichloroethane	1	U
78-93-3	2-Butanone	5	U J
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
48-87-5	1,2-dichloropropane	1	U
10061-01-5	cis-1,3-dichloropropene	1	U
79-01-6	Trichloroethene	1	U
71-43-2	Benzene	1	U
124-48-1	Dibromochloromethane	1	U
10061-02-6	trans-1,3-dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-17-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
156-60-5	trans-1,2-dichloroethene	1	U
108-05-4	Vinyl acetate	1	U
156-59-2	cis-1,2-dichloroethene	1	U
109-93-4	1,2-dibromoethane	1	U
1330-20-7	m\p-xylene	1	U
95-47-6	o-xylene	1	U
541-73-1	1,3-dichlorobenzene	1	U
106-46-7	1,4-dichlorobenzene	1	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP-05

Lab Name: H2M LABS,INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 200000216-016

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3507.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. Date Analyzed: 02/22/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
95-50-1	1,2-dichlorobenzene	1	U
96-12-8	1,2-dibromo-3-chloropropane	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP-06

Lab Name: H2M LABS,INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 200000216-017

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3508.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. Date Analyzed: 02/22/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-dichloroethene	1	U
75-34-3	1,1-dichloroethane	1	U
78-93-3	2-Butanone	5	UJ
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
48-87-5	1,2-dichloropropane	1	U
10061-01-5	cis-1,3-dichloropropene	1	U
79-01-6	Trichloroethene	1	U
71-43-2	Benzene	1	U
124-48-1	Dibromochloromethane	1	U
10061-02-6	trans-1,3-dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-17-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	2	
100-42-5	Styrene	1	U
156-60-5	trans-1,2-dichloroethene	1	U
108-05-4	Vinyl acetate	1	U
156-59-2	cis-1,2-dichloroethene	1	U
109-93-4	1,2-dibromoethane	1	U
1330-20-7	m\p-xylene	1	U
95-47-6	o-xylene	1	
541-73-1	1,3-dichlorobenzene	1	U
106-46-7	1,4-dichlorobenzene	1	U

1A

VOLATILE CRGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP-06

Lab Name: H2M LABS,INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 200000216-017

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3508.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. Date Analyzed: 02/22/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
95-50-1	1,2-dichlorobenzene	1	U
96-12-8	1,2-dibromo-3-chloropropane	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DP-07

Lab Name: H2M LABS,INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 200000216-018

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3509.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. Date Analyzed: 02/22/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-dichloroethene	1	U
75-34-3	1,1-dichloroethane	1	U
78-93-3	2-Butanone	5	U J
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
48-87-5	1,2-dichloropropane	1	U
10061-01-5	cis-1,3-dichloropropene	1	U
79-01-6	Trichloroethene	1	U
71-43-2	Benzene	1	U
124-48-1	Dibromochloromethane	1	U
10061-02-6	trans-1,3-dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-17-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	2	
100-42-5	Styrene	1	U
156-60-5	trans-1,2-dichloroethene	1	U
108-05-4	Vinyl acetate	1	U
156-59-2	cis-1,2-dichloroethene	1	U
109-93-4	1,2-dibromoethane	1	U
1330-20-7	m\p-xylene	1	U
95-47-6	o-xylene	6	
541-73-1	1,3-dichlorobenzene	1	U
106-46-7	1,4-dichlorobenzene	1	U

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DP-07

Lab Name: H2M LABS,INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 200000216-018

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3509.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. Date Analyzed: 02/22/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
95-50-1	1,2-dichlorobenzene	1	U
96-12-8	1,2-dibromo-3-chloropropane	1	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPLICATE

Lab Name: H2M LABS,INC Contract: _____

Lab Code: 10478 Case No.: _____ SAS No.: _____ SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 200000216-019

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3512.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	U R
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-dichloroethene	1	U
75-34-3	1,1-dichloroethane	1	U
78-93-3	2-Butanone	5	U J
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
48-87-5	1,2-dichloropropane	1	U
10061-01-5	cis-1,3-dichloropropene	1	U
79-01-6	Trichloroethene	1	U
71-43-2	Benzene	1	U
124-48-1	Dibromochloromethane	1	U
10061-02-6	trans-1,3-dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-17-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
156-60-5	trans-1,2-dichloroethene	1	U
108-05-4	Vinyl acetate	1	U
156-59-2	cis-1,2-dichloroethene	1	U
109-93-4	1,2-dibromoethane	1	U
1330-20-7	m\p-xylene	1	U
95-47-6	o-xylene	1	U
541-73-1	1,3-dichlorobenzene	1	U
106-46-7	1,4-dichlorobenzene	1	U

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPLICATE

Lab Name: H2M LABS,INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 200000216-019

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3512.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. Date Analyzed: 02/22/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
95-50-1	1,2-dichlorobenzene	1	U
96-12-8	1,2-dibromo-3-chloropropane	1	U

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

FB

Lab Name: H2M LABS,INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 200000216-020

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3513.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. Date Analyzed: 02/22/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	3	J
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-dichloroethene	1	U
75-34-3	1,1-dichloroethane	1	U
78-93-3	2-Butanone	5	UJ
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
48-87-5	1,2-dichloropropane	1	U
10061-01-5	cis-1,3-dichloropropene	1	U
79-01-6	Trichloroethene	1	U
71-43-2	Benzene	1	U
124-48-1	Dibromochloromethane	1	U
10061-02-6	trans-1,3-dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-17-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
156-60-5	trans-1,2-dichloroethene	1	U
108-05-4	Vinyl acetate	1	U
156-59-2	cis-1,2-dichloroethene	1	U
109-93-4	1,2-dibromoethane	1	U
1330-20-7	m\p-xylene	1	U
95-47-6	o-xylene	1	U
541-73-1	1,3-dichlorobenzene	1	U
106-46-7	1,4-dichlorobenzene	1	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB

Lab Name: H2M LABS,INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 200000216-020

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3513.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. Date Analyzed: 02/22/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-50-1	1,2-dichlorobenzene	1	U
96-12-8	1,2-dibromo-3-chloropropane	1	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: H2M LABS,INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 20000302-042

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3603.D

Level: (low/med) LOW Date Received: 03/02/00

% Moisture: not dec. Date Analyzed: 03/07/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	UJ
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	UJ
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-dichloroethene	1	UJ
75-34-3	1,1-dichloroethane	1	U
78-93-3	2-Butanone	5	UJ
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	UJ
75-27-4	Bromodichloromethane	1	U
48-87-5	1,2-dichloropropane	1	U
10061-01-5	cis-1,3-dichloropropene	1	U
79-01-6	Trichloroethene	1	U
71-43-2	Benzene	1	U
124-48-1	Dibromochloromethane	1	U
10061-02-6	trans-1,3-dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	UJ
127-17-4	Tetrachloroethene	1	UJ
79-34-5	1,1,2,2-Tetrachloroethane	1	UJ
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
156-60-5	trans-1,2-dichloroethene	1	U
108-05-4	Vinyl acetate	1	U
156-59-2	cis-1,2-dichloroethene	1	U
109-93-4	1,2-dibromoethane	1	U
1330-20-7	m\p-xylene	1	U
95-47-6	o-xylene	1	U
541-73-1	1,3-dichlorobenzene	1	U
106-46-7	1,4-dichlorobenzene	1	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: H2M LABS,INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 20000302-042

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3603.D

Level: (low/med) LOW Date Received: 03/02/00

% Moisture: not dec. Date Analyzed: 03/07/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-50-1	1,2-dichlorobenzene	1	U
96-12-8	1,2-dibromo-3-chloropropane	1	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name: H2M LABS,INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 20000302-043

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3604.D

Level: (low/med) LOW Date Received: 03/02/00

% Moisture: not dec. Date Analyzed: 03/07/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	UJ
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	UJ
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-dichloroethene	1	UJ
75-34-3	1,1-dichloroethane	1	U
78-93-3	2-Butanone	5	UJ
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	UJ
75-27-4	Bromodichloromethane	1	U
48-87-5	1,2-dichloropropane	1	U
10061-01-5	cis-1,3-dichloropropene	1	U
79-01-6	Trichloroethene	1	U
71-43-2	Benzene	1	U
124-48-1	Dibromochloromethane	1	U
10061-02-6	trans-1,3-dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	UJ
127-17-4	Tetrachloroethene	1	UJ
79-34-5	1,1,2,2-Tetrachloroethane	1	UJ
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
156-60-5	trans-1,2-dichloroethene	1	U
108-05-4	Vinyl acetate	1	U
156-59-2	cis-1,2-dichloroethene	1	U
109-93-4	1,2-dibromoethane	1	U
1330-20-7	m\p-xylene	1	U
95-47-6	o-xylene	1	U
541-73-1	1,3-dichlorobenzene	1	U
106-46-7	1,4-dichlorobenzene	1	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name: H2M LABS,INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 20000302-043

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3604.D

Level: (low/med) LOW Date Received: 03/02/00

% Moisture: not dec. Date Analyzed: 03/07/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-50-1	1,2-dichlorobenzene	1	U
96-12-8	1,2-dibromo-3-chloropropane	1	U

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB

Lab Name: H2M LABS,INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 200000216-021

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3514.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. Date Analyzed: 02/22/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	UR
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-dichloroethene	1	U
75-34-3	1,1-dichloroethane	1	U
78-93-3	2-Butanone	5	UJ
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
48-87-5	1,2-dichloropropane	1	U
10061-01-5	cis-1,3-dichloropropene	1	U
79-01-6	Trichloroethene	1	U
71-43-2	Benzene	1	U
124-48-1	Dibromochloromethane	1	U
10061-02-6	trans-1,3-dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-17-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
156-60-5	trans-1,2-dichloroethene	1	U
108-05-4	Vinyl acetate	1	U
156-59-2	cis-1,2-dichloroethene	1	U
109-93-4	1,2-dibromoethane	1	U
1330-20-7	m\p-xylene	1	U
95-47-6	o-xylene	1	U
541-73-1	1,3-dichlorobenzene	1	U
106-46-7	1,4-dichlorobenzene	1	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB

Lab Name: H2M LABS,INC Contract:

Lab Code: 10478 Case No.: SAS No : SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 200000216-021

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3514.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. Date Analyzed: 02/22/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-50-1	1,2-dichlorobenzene	1	U
96-12-8	1,2-dibromo-3-chloropropane	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB-1

Lab Name: H2M LABS,INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 20000302-044;

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3605.D

Level: (low/med) LOW Date Received: 03/02/00

% Moisture: not dec. Date Analyzed: 03/07/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	UJ
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	UJ
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-dichloroethene	1	UJ
75-34-3	1,1-dichloroethane	1	U
78-93-3	2-Butanone	5	UJ
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	UJ
75-27-4	Bromodichloromethane	1	U
48-87-5	1,2-dichloropropane	1	U
10061-01-5	cis-1,3-dichloropropene	1	U
79-01-6	Trichloroethene	1	U
71-43-2	Benzene	1	U
124-48-1	Dibromochloromethane	1	U
10061-02-6	trans-1,3-dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	UJ
127-17-4	Tetrachloroethene	1	UJ
79-34-5	1,1,2,2-Tetrachloroethane	1	UJ
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
156-60-5	trans-1,2-dichloroethene	1	U
108-05-4	Vinyl acetate	1	U
156-59-2	cis-1,2-dichloroethene	1	U
109-93-4	1,2-dibromoethane	1	U
1330-20-7	m\p-xylene	1	U
95-47-6	o-xylene	1	U
541-73-1	1,3-dichlorobenzene	1	U
106-46-7	1,4-dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-1

Lab Name: H2M LABS,INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 20000302-044;

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3605.D

Level: (low/med) LOW Date Received: 03/02/00

% Moisture: not dec. Date Analyzed: 03/07/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-50-1	1,2-dichlorobenzene	1	U
96-12-8	1,2-dibromo-3-chloropropane	1	U

S 0131

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DP-01(28-32')

Lab Name: H2M LABS, INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM-031

Matrix: (soil/water) SOIL Lab Sample ID: 20000216-023

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P14153.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. 5 Date Analyzed: 02/18/00

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	UJ
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	~~2~~ 11	~~JB~~ U
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-4	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	UJ
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
71-43-2	Benzene	11	U
124-48-1	Dibromochloromethane	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

11 U

S 0035

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP-02(0-4')

Lab Name: H2M LABS, INC Contract: _____

Lab Code: 10478 Case No.: _____ SAS No.: _____ SDG No.: CDM-031

Matrix: (soil/water) SOIL Lab Sample ID: 20000216-024

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P14154.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. 8 Date Analyzed: 02/18/00

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	UJ
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	~~2~~	~~JB~~ 11U
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-4	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	UJ
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
71-43-2	Benzene	11	U
124-48-1	Dibromochloromethane	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

S 0040

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DP-04(14-16')

Lab Name: H2M LABS, INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM-031

Matrix: (soil/water) SOIL Lab Sample ID: 20000216-025

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P14149.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. 4 Date Analyzed: 02/17/00

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	UJ
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	UJ
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	UJ
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

S 0047

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP-05(16-20')

Lab Name: H2M LABS, INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM-031

Matrix: (soil/water) SOIL Lab Sample ID: 20000216-026

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P14161.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. 4 Date Analyzed: 02/18/00

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	~~3~~	JB
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	UJ
108-10-1	4-Methyl-2-Pentanone	10	UJ
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

10 U

S 0054

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DP-06(20-24')

Lab Name: H2M LABS, INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM-031

Matrix: (soil/water) SOIL Lab Sample ID: 20000216-027

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P14162.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. 3 Date Analyzed: 02/18/00

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	~~2~~ 10	~~JB~~ U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	UJ
108-10-1	4-Methyl-2-Pentanone	10	UJ
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

10U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DP-07(12-16')

Lab Name: H2M LABS, INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM-031

Matrix: (soil/water) SOIL Lab Sample ID: 0216-028

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P14163.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. 3 Date Analyzed: 02/18/00

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	~~2~~	~~JB~~
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	UJ
108-10-1	4-Methyl-2-Pentanone	10	UJ
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

10 U

S 0068

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPLICATE

Lab Name: H2M LABS, INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM-031

Matrix: (soil/water) SOIL Lab Sample ID: 20000216-029;

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P14166.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. 4 Date Analyzed: 02/18/00

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	~~3~~	~~JB~~
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	UJ
108-10-1	4-Methyl-2-Pentanone	10	UJ
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

10 U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Field ~~TRIP~~ BLANK

Lab Name: H2M LABS, INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM-031

Matrix: (soil/water) WATER Lab Sample ID: 200000216-022

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3515.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. Date Analyzed: 02/22/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-35-4	1,1-dichloroethene	1	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene chloride	2	U
156-60-5	trans-1,2-dichloroethene	1	U
108-05-4	Vinyl acetate	1	U
78-93-3	2-Butanone	5	UJ
75-34-3	1,1-dichloroethane	1	U
156-59-2	cis-1,2-dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-dichloropropene	1	U
108-88-3	Toluene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
10061-02-6	trans-1,3-dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
108383/106	m\p-xylene	1	U
95-47-6	o-xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-dichlorobenzene	1	U
106-46-7	1,4-dichlorobenzene	1	U

S 0082

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Field
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Lab Name: H2M LABS, INC Contract: _____

Lab Code: 10478 Case No.: _____ SAS No.: _____ SDG No.: CDM-031

Matrix: (soil/water) WATER Lab Sample ID: 200000216-022

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3515.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
541-73-1	1,2-dichlorobenzene	1	U
96-12-8	1,2-dibromo-3-chloropropane	1	U

S 0083

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

cdm030 SAMPLE NO.

DP-01

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0216012

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D06154

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/18/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/23/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorphenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
132-64-9	Dibenzofuran	10	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

cdm030 SAMPLE NO.

DP-01

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0216012

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D06154

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/18/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/23/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-02-7	4-Nitrophenol	25	U
121-14-2	2,4-Dinitrotoluene	10	U
86-73-7	Fluorene	10	U
131-11-3	Dimethylphthalate	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo[a]anthracene	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-ethylhexyl)Phthalate	1	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
86-74-8	Carbazole	10	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

cdm030 SAMPLE NO.

DP-02

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0216013

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D06166

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/18/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/23/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	2	J
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorphenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
132-64-9	Dibenzofuran	10	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

cdm030 SAMPLE NO.

DP-02

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0216013

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D06166

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/18/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/23/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-02-7	4-Nitrophenol	25	U
121-14-2	2,4-Dinitrotoluene	10	U
86-73-7	Fluorene	10	U
131-11-3	Dimethylphthalate	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo[a]anthracene	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-ethylhexyl)Phthalate	1	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
86-74-8	Carbazole	10	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

cdm030 SAMPLE NO.

DP-03

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0216014

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D06156

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/18/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/23/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorphenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
132-64-9	Dibenzofuran	10	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

cdm030 SAMPLE NO.

DP-03

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0216014

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D06156

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/18/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/23/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-02-7	4-Nitrophenol	25	U
121-14-2	2,4-Dinitrotoluene	10	U
86-73-7	Fluorene	10	U
131-11-3	Dimethylphthalate	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo[a]anthracene	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-ethylhexyl)Phthalate	1	J
117-84-0	Di-n-octylphthalate	1	J
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
86-74-8	Carbazole	10	U

(1) - Cannot be separated from Diphenylamine

FORM 1 cdm030 SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DP-04

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0216015

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D06167

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/18/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/23/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorphenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
132-64-9	Dibenzofuran	10	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

cdm030 SAMPLE NO.

DP-04

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0216015

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D06167

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/18/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/23/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-02-7	4-Nitrophenol	25	U
121-14-2	2,4-Dinitrotoluene	10	U
86-73-7	Fluorene	10	U
131-11-3	Dimethylphthalate	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo[a]anthracene	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-ethylhexyl)Phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
86-74-8	Carbazole	10	U

(1) - Cannot be separated from Diphenylamine

FORM 1 cdm030 SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DP-05

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0216016

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D06158

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/18/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/23/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorphenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
132-64-9	Dibenzofuran	10	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

cdm030 SAMPLE NO.

DP-05

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0216016

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D06158

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/18/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/23/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-02-7	4-Nitrophenol	25	U
121-14-2	2,4-Dinitrotoluene	10	U
86-73-7	Fluorene	10	U
131-11-3	Dimethylphthalate	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo[a]anthracene	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-ethylhexyl)Phthalate	2	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
86-74-8	Carbazole	10	U

(1) - Cannot be separated from Diphenylamine

FORM 1 cdm030 SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DP-06

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0216017

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D06159

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/18/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/23/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	5	J
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	1	J
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorphenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
132-64-9	Dibenzofuran	10	U

S 0082

FORM 1 cdm030 SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DP-06

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0216017

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D06159

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/18/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/23/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-02-7	4-Nitrophenol	25	U
121-14-2	2,4-Dinitrotoluene	10	U
86-73-7	Fluorene	10	U
131-11-3	Dimethylphthalate	10	U
84-66-2	Diethylphthalate	2	J
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	2	J
129-00-0	Pyrene	2	J
85-68-7	Butylbenzylphthalate	2	J
56-55-3	Benzo[a]anthracene	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
218-01-9	Chrysene	1	J
117-81-7	bis(2-ethylhexyl)Phthalate	6	J
117-84-0	Di-n-octylphthalate	3	J
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
86-74-8	Carbazole	10	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

cdm030 SAMPLE NO.

DP-07

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0216018

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D06160

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/18/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/23/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorphenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
132-64-9	Dibenzofuran	10	U

S 0090

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

cdm030 SAMPLE NO.

DP-07

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0216018

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D06160

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/18/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/23/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-02-7	4-Nitrophenol	25	U
121-14-2	2,4-Dinitrotoluene	10	U
86-73-7	Fluorene	10	U
131-11-3	Dimethylphthalate	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo[a]anthracene	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-ethylhexyl)Phthalate	1	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
86-74-8	Carbazole	10	U

(1) - Cannot be separated from Diphenylamine

S 0031

FORM 1 cdm030 SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DUPLICATE

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0216019

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D06163

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/18/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/23/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorphenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
132-64-9	Dibenzofuran	10	U

S 0098

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

cdm030 SAMPLE NO.

DUPLICATE

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0216019

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D06163

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/18/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/23/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-02-7	4-Nitrophenol	25	U
121-14-2	2,4-Dinitrotoluene	10	U
86-73-7	Fluorene	10	U
131-11-3	Dimethylphthalate	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo[a]anthracene	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-ethylhexyl)Phthalate	8	J
117-84-0	Di-n-octylphthalate	1	J
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
86-74-8	Carbazole	10	U

(1) - Cannot be separated from Diphenylamine

S 0093

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

cdm030 SAMPLE NO.

FIELDBLK

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0216020

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D06164

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/18/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/23/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorphenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
132-64-9	Dibenzofuran	10	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

cdm030 SAMPLE NO.

FIELDBLK

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0216020

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D06164

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/18/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/23/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-02-7	4-Nitrophenol	25	U
121-14-2	2,4-Dinitrotoluene	10	U
86-73-7	Fluorene	10	U
131-11-3	Dimethylphthalate	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo[a]anthracene	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-ethylhexyl)Phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
86-74-8	Carbazole	10	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

cdm030a SAMPLE NO.

MW-1

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM030A

Matrix: (soil/water) WATER Lab Sample ID: 0302042

Sample wt/vol: 1000 (g/mL) ML Lab File ID: B04640

Level: (low/med) LOW Date Received: 03/02/00

% Moisture: ____ decanted: (Y/N)___ Date Extracted:03/06/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 03/13/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	UJ
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorphenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	UR
132-64-9	Dibenzofuran	10	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

cdm030a SAMPLE NO.

MW-1

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM030A

Matrix: (soil/water) WATER Lab Sample ID: 0302042

Sample wt/vol: 1000 (g/mL) ML Lab File ID: B04640

Level: (low/med) LOW Date Received: 03/02/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted:03/06/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 03/13/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-02-7	4-Nitrophenol	25	U J
121-14-2	2,4-Dinitrotoluene	10	U
86-73-7	Fluorene	10	U
131-11-3	Dimethylphthalate	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U J
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo[a]anthracene	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-ethylhexyl)Pnthalate	4	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
86-74-8	Carbazole	10	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

cdm030a SAMPLE NO.

MW-3

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM030A

Matrix: (soil/water) WATER Lab Sample ID: 0302043

Sample wt/vol: 1000 (g/mL) ML Lab File ID: B04641

Level: (low/med) LOW Date Received: 03/02/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted:03/06/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 03/13/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U J
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorphenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	~~U~~ R
132-64-9	Dibenzofuran	10	U

FORM I SV

S 0122

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

cdm030a SAMPLE NO.

MW-3

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM030A

Matrix: (soil/water) WATER Lab Sample ID: 0302043

Sample wt/vol: 1000 (g/mL) ML Lab File ID: B04641

Level: (low/med) LOW Date Received: 03/02/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted:03/06/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 03/13/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-02-7	4-Nitrophenol	25	UJ
121-14-2	2,4-Dinitrotoluene	10	U
86-73-7	Fluorene	10	U
131-11-3	Dimethylphthalate	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	UJ
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo[a]anthracene	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-ethylhexyl)Phthalate	5	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
86-74-8	Carbazole	10	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

cdm031 SAMPLE NO.

DP-01 28-32

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM031

Matrix: (soil/water) SOIL Lab Sample ID: 0216023

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D06178

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: 5 decanted: (Y/N) N Date Extracted:02/18/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 02/25/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
106-44-5	4-Methylphenol	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	Bis(2-chloroethoxy)methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorphenol	870	U
91-58-7	2-Chloronaphthalene	870	U
88-74-4	2-Nitroaniline	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	870	U
83-32-9	Acenaphthene	350	U
51-28-5	2,4-Dinitrophenol	870	U
132-64-9	Dibenzofuran	350	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

cdm031 SAMPLE NO.

DP-01 28-32

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM031

Matrix: (soil/water) SOIL Lab Sample ID: 0216023

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D06178

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: 5 decanted: (Y/N) N Date Extracted:02/18/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 02/25/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-02-7	4-Nitrophenol	870	U
121-14-2	2,4-Dinitrotoluene	350	U
86-73-7	Fluorene	350	U
131-11-3	Dimethylphthalate	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
100-01-6	4-Nitroaniline	870	U
534-52-1	4,6-Dinitro-2-methylphenol	870	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	870	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
84-74-2	Di-n-Butylphthalate	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
56-55-3	Benzo[a]anthracene	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-ethylhexyl)Phthalate	350	U
117-84-0	Di-n-octylphthalate	42	J
205-99-2	Benzo[b]fluoranthene	350	U
207-08-9	Benzo[k]fluoranthene	350	U J
50-32-8	Benzo[a]pyrene	350	U
193-39-5	Indeno[1,2,3-cd]pyrene	350	U
53-70-3	Dibenz[a,h]anthracene	350	U
191-24-2	Benzo[g,h,i]perylene	350	U
111-44-4	bis(2-Chloroethyl)ether	350	U
86-74-8	Carbazole	350	U

(1) - Cannot be separated from Diphenylamine

S [illegible]

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

cdm031 SAMPLE NO.

DP-02 0-4

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM031

Matrix: (soil/water) SOIL Lab Sample ID: 0216024

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D06179

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: 8 decanted: (Y/N) N Date Extracted:02/18/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 02/25/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	360	U
108-60-1	2,2'-oxybis(1-Chloropropane)	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
95-50-1	1,2-Dichlorobenzene	360	U
95-48-7	2-Methylphenol	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
106-44-5	4-Methylphenol	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	Bis(2-chloroethoxy)methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
59-50-7	4-Chloro-3-Methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorphenol	900	U
91-58-7	2-Chloronaphthalene	900	U
88-74-4	2-Nitroaniline	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
99-09-2	3-Nitroaniline	900	U
83-32-9	Acenaphthene	360	U
51-28-5	2,4-Dinitrophenol	900	U
132-64-9	Dibenzofuran	360	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

cdm031 SAMPLE NO.

DP-02 0-4

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM031

Matrix: (soil/water) SOIL Lab Sample ID: 0216024

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D06179

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: 8 decanted: (Y/N) N Date Extracted:02/18/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 02/25/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-02-7	4-Nitrophenol	900	U
121-14-2	2,4-Dinitrotoluene	360	U
86-73-7	Fluorene	360	U
131-11-3	Dimethylphthalate	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
100-01-6	4-Nitroaniline	900	U
534-52-1	4,6-Dinitro-2-methylphenol	900	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	900	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
84-74-2	Di-n-Butylphthalate	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
85-68-7	Butylbenzylphthalate	360	U
56-55-3	Benzo[a]anthracene	360	U
91-94-1	3,3'-Dichlorobenzidine	360	U
218-01-9	Chrysene	360	U
117-81-7	bis(2-ethylhexyl)Phthalate	360	U
117-84-0	Di-n-octylphthalate	360	U
205-99-2	Benzo[b]fluoranthene	360	U
207-08-9	Benzo[k]fluoranthene	360	UJ
50-32-8	Benzo[a]pyrene	360	U
193-39-5	Indeno[1,2,3-cd]pyrene	360	U
53-70-3	Dibenz[a,h]anthracene	360	U
191-24-2	Benzo[g,h,i]perylene	360	U
111-44-4	bis(2-Chloroethyl)ether	360	U
86-74-8	Carbazole	360	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

cdm031 SAMPLE NO.

DP-04 14-16

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM031

Matrix: (soil/water) SOIL Lab Sample ID: 0216025

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D06180

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: 4 decanted: (Y/N) N Date Extracted:02/18/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 02/25/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	340	U
108-60-1	2,2'-oxybis(1-Chloropropane)	340	U
95-57-8	2-Chlorophenol	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
95-50-1	1,2-Dichlorobenzene	340	U
95-48-7	2-Methylphenol	340	U
621-64-7	N-Nitroso-di-n-propylamine	340	U
106-44-5	4-Methylphenol	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
111-91-1	Bis(2-chloroethoxy)methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
59-50-7	4-Chloro-3-Methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorphenol	860	U
91-58-7	2-Chloronaphthalene	860	U
88-74-4	2-Nitroaniline	340	U
208-96-8	Acenaphthylene	340	U
606-20-2	2,6-Dinitrotoluene	340	U
99-09-2	3-Nitroaniline	860	U
83-32-9	Acenaphthene	340	U
51-28-5	2,4-Dinitrophenol	860	U
132-64-9	Dibenzofuran	340	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

cdm031 SAMPLE NO.

DP-04 14-16

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM031

Matrix: (soil/water) SOIL Lab Sample ID: 0216025

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D06180

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: 4 decanted: (Y/N) N Date Extracted:02/18/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 02/25/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-02-7	4-Nitrophenol	860	U
121-14-2	2,4-Dinitrotoluene	340	U
86-73-7	Fluorene	340	U
131-11-3	Dimethylphthalate	340	U
84-66-2	Diethylphthalate	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
100-01-6	4-Nitroaniline	860	U
534-52-1	4,6-Dinitro-2-methylphenol	860	U
86-30-6	N-Nitrosodiphenylamine (1)	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	860	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
84-74-2	Di-n-Butylphthalate	340	U
206-44-0	Fluoranthene	340	U
129-00-0	Pyrene	340	U
85-68-7	Butylbenzylphthalate	340	U
56-55-3	Benzo[a]anthracene	340	U
91-94-1	3,3'-Dichlorobenzidine	340	U
218-01-9	Chrysene	340	U
117-81-7	bis(2-ethylhexyl)Phthalate	340	U
117-84-0	Di-n-octylphthalate	340	U
205-99-2	Benzo[b]fluoranthene	340	U
207-08-9	Benzo[k]fluoranthene	340	UJ
50-32-8	Benzo[a]pyrene	340	U
193-39-5	Indeno[1,2,3-cd]pyrene	340	U
53-70-3	Dibenz[a,h]anthracene	340	U
191-24-2	Benzo[g,h,i]perylene	340	U
111-44-4	bis(2-Chloroethyl)ether	340	U
86-74-8	Carbazole	340	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

cdm031 SAMPLE NO.

DP-05 16-20

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM031

Matrix: (soil/water) SOIL Lab Sample ID: 0216026

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D06181

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: 4 decanted: (Y/N) N Date Extracted: 02/18/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 02/25/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	340	U
108-60-1	2,2'-oxybis(1-Chloropropane)	340	U
95-57-8	2-Chlorophenol	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
95-50-1	1,2-Dichlorobenzene	340	U
95-48-7	2-Methylphenol	340	U
621-64-7	N-Nitroso-di-n-propylamine	340	U
106-44-5	4-Methylphenol	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
111-91-1	Bis(2-chloroethoxy)methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
59-50-7	4-Chloro-3-Methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorphenol	860	U
91-58-7	2-Chloronaphthalene	860	U
88-74-4	2-Nitroaniline	340	U
208-96-8	Acenaphthylene	340	U
606-20-2	2,6-Dinitrotoluene	340	U
99-09-2	3-Nitroaniline	860	U
83-32-9	Acenaphthene	340	U
51-28-5	2,4-Dinitrophenol	860	U
132-64-9	Dibenzofuran	340	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

cdm031 SAMPLE NO.

DP-05 16-20

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM031

Matrix: (soil/water) SOIL Lab Sample ID: 0216026

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D06181

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: 4 decanted: (Y/N) N Date Extracted: 02/18/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 02/25/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-02-7	4-Nitrophenol	860	U
121-14-2	2,4-Dinitrotoluene	340	U
86-73-7	Fluorene	340	U
131-11-3	Dimethylphthalate	340	U
84-66-2	Diethylphthalate	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
100-01-6	4-Nitroaniline	860	U
534-52-1	4,6-Dinitro-2-methylphenol	860	U
86-30-6	N-Nitrosodiphenylamine (1)	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	860	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
84-74-2	Di-n-Butylphthalate	340	U
206-44-0	Fluoranthene	340	U
129-00-0	Pyrene	340	U
85-68-7	Butylbenzylphthalate	340	U
56-55-3	Benzo[a]anthracene	340	U
91-94-1	3,3'-Dichlorobenzidine	340	U
218-01-9	Chrysene	340	U
117-81-7	bis(2-ethylhexyl)Phthalate	340	U
117-84-0	Di-n-octylphthalate	340	U
205-99-2	Benzo[b]fluoranthene	340	U
207-08-9	Benzo[k]fluoranthene	340	UJ
50-32-8	Benzo[a]pyrene	340	U
193-39-5	Indeno[1,2,3-cd]pyrene	340	U
53-70-3	Dibenz[a,h]anthracene	340	U
191-24-2	Benzo[g,h,i]perylene	340	U
111-44-4	bis(2-Chloroethyl)ether	340	U
86-74-8	Carbazole	340	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

cdm031 SAMPLE NO.

DP-06 20-24

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM031

Matrix: (soil/water) SOIL Lab Sample ID: 0216027

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D06182

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: 4 decanted: (Y/N) N Date Extracted:02/18/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 02/25/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	340	U
108-60-1	2,2'-oxybis(1-Chloropropane)	340	U
95-57-8	2-Chlorophenol	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
95-50-1	1,2-Dichlorobenzene	340	U
95-48-7	2-Methylphenol	340	U
621-64-7	N-Nitroso-di-n-propylamine	340	U
106-44-5	4-Methylphenol	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
111-91-1	Bis(2-chloroethoxy)methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
59-50-7	4-Chloro-3-Methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorphenol	860	U
91-58-7	2-Chloronaphthalene	860	U
88-74-4	2-Nitroaniline	340	U
208-96-8	Acenaphthylene	340	U
606-20-2	2,6-Dinitrotoluene	340	U
99-09-2	3-Nitroaniline	860	U
83-32-9	Acenaphthene	340	U
51-28-5	2,4-Dinitrophenol	860	U
132-64-9	Dibenzofuran	340	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

cdm031 SAMPLE NO.

DP-06 20-24

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM031

Matrix: (soil/water) SOIL Lab Sample ID: 0216027

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D06182

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: 4 decanted: (Y/N) N Date Extracted:02/18/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 02/25/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-02-7	4-Nitrophenol	860	U
121-14-2	2,4-Dinitrotoluene	340	U
86-73-7	Fluorene	340	U
131-11-3	Dimethylphthalate	340	U
84-66-2	Diethylphthalate	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
100-01-6	4-Nitroaniline	860	U
534-52-1	4,6-Dinitro-2-methylphenol	860	U
86-30-6	N-Nitrosodiphenylamine (1)	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	860	U
85-01-8	Phenanthrene	67	J
120-12-7	Anthracene	340	U
84-74-2	Di-n-Butylphthalate	340	U
206-44-0	Fluoranthene	130	J
129-00-0	Pyrene	100	J
85-68-7	Butylbenzylphthalate	340	U
56-55-3	Benzo[a]anthracene	60	J
91-94-1	3,3'-Dichlorobenzidine	340	U
218-01-9	Chrysene	98	J
117-81-7	bis(2-ethylhexyl)Phthalate	100	J
117-84-0	Di-n-octylphthalate	74	J
205-99-2	Benzo[b]fluoranthene	64	J
207-08-9	Benzo[k]fluoranthene	80	J
50-32-8	Benzo[a]pyrene	51	J
193-39-5	Indeno[1,2,3-cd]pyrene	40	J
53-70-3	Dibenz[a,h]anthracene	340	U
191-24-2	Benzo[g,h,i]perylene	50	J
111-44-4	bis(2-Chloroethyl)ether	340	U
86-74-8	Carbazole	340	U

(1) - Cannot be separated from Diphenylamine

FORM 1 cdm031 SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DP-07 12-16

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM031

Matrix: (soil/water) SOIL Lab Sample ID: 0216028

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D06183

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: 3 decanted: (Y/N) N Date Extracted: 02/18/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/25/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	340	U
108-60-1	2,2'-oxybis(1-Chloropropane)	340	U
95-57-8	2-Chlorophenol	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
95-50-1	1,2-Dichlorobenzene	340	U
95-48-7	2-Methylphenol	340	U
621-64-7	N-Nitroso-di-n-propylamine	340	U
106-44-5	4-Methylphenol	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
111-91-1	Bis(2-chloroethoxy)methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
59-50-7	4-Chloro-3-Methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorphenol	860	U
91-58-7	2-Chloronaphthalene	860	U
88-74-4	2-Nitroaniline	340	U
208-96-8	Acenaphthylene	340	U
606-20-2	2,6-Dinitrotoluene	340	U
99-09-2	3-Nitroaniline	860	U
83-32-9	Acenaphthene	340	U
51-28-5	2,4-Dinitrophenol	860	U
132-64-9	Dibenzofuran	340	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

cdm031 SAMPLE NO

DP-07 12-16

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM031

Matrix: (soil/water) SOIL Lab Sample ID: 0216028

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D06183

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: 3 decanted: (Y/N) N Date Extracted:02/18/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 02/25/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-02-7	4-Nitrophenol	860	U
121-14-2	2,4-Dinitrotoluene	340	U
86-73-7	Fluorene	340	U
131-11-3	Dimethylphthalate	340	U
84-66-2	Diethylphthalate	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
100-01-6	4-Nitroaniline	860	U
534-52-1	4,6-Dinitro-2-methylphenol	860	U
86-30-6	N-Nitrosodiphenylamine (1)	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	860	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
84-74-2	Di-n-Butylphthalate	340	U
206-44-0	Fluoranthene	340	U
129-00-0	Pyrene	340	U
85-68-7	Butylbenzylphthalate	340	U
56-55-3	Benzo[a]anthracene	340	U
91-94-1	3,3'-Dichlorobenzidine	340	U
218-01-9	Chrysene	340	U
117-81-7	bis(2-ethylhexyl)Phthalate	220	J
117-84-0	Di-n-octylphthalate	210	J
205-99-2	Benzo[b]fluoranthene	340	U
207-08-9	Benzo[k]fluoranthene	340	UJ
50-32-8	Benzo[a]pyrene	340	U
193-39-5	Indeno[1,2,3-cd]pyrene	340	U
53-70-3	Dibenz[a,h]anthracene	340	U
191-24-2	Benzo[g,h,i]perylene	340	U
111-44-4	bis(2-Chloroethyl)ether	340	U
86-74-8	Carbazole	340	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

cdm031 SAMPLE NO.

DUPLICATE

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM031

Matrix: (soil/water) SOIL Lab Sample ID: 0216029

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D06186

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: 4 decanted: (Y/N) N Date Extracted:02/18/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 02/26/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	340	U
108-60-1	2,2'-oxybis(1-Chloropropane)	340	U
95-57-8	2-Chlorophenol	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
95-50-1	1,2-Dichlorobenzene	340	U
95-48-7	2-Methylphenol	340	U
621-64-7	N-Nitroso-di-n-propylamine	340	U
106-44-5	4-Methylphenol	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
111-91-1	Bis(2-chloroethoxy)methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
59-50-7	4-Chloro-3-Methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorphenol	860	U
91-58-7	2-Chloronaphthalene	860	U
88-74-4	2-Nitroaniline	340	U
208-96-8	Acenaphthylene	340	U
606-20-2	2,6-Dinitrotoluene	340	U
99-09-2	3-Nitroaniline	860	U
83-32-9	Acenaphthene	340	U
51-28-5	2,4-Dinitrophenol	860	U
132-64-9	Dibenzofuran	340	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

cdm031 SAMPLE NO.

DUPLICATE

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM031

Matrix: (soil/water) SOIL Lab Sample ID: 0216029

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D06186

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: 4 decanted: (Y/N) N Date Extracted: 02/18/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/26/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-02-7	4-Nitrophenol	860	U
121-14-2	2,4-Dinitrotoluene	340	U
86-73-7	Fluorene	340	U
131-11-3	Dimethylphthalate	340	U
84-66-2	Diethylphthalate	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
100-01-6	4-Nitroaniline	860	U
534-52-1	4,6-Dinitro-2-methylphenol	860	U
86-30-6	N-Nitrosodiphenylamine (1)	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	860	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
84-74-2	Di-n-Butylphthalate	340	U
206-44-0	Fluoranthene	340	U
129-00-0	Pyrene	340	U
85-68-7	Butylbenzylphthalate	340	U
56-55-3	Benzo[a]anthracene	340	U
91-94-1	3,3'-Dichlorobenzidine	340	U
218-01-9	Chrysene	340	U
117-81-7	bis(2-ethylhexyl)Phthalate	340	U
117-84-0	Di-n-octylphthalate	340	U
205-99-2	Benzo[b]fluoranthene	340	U
207-08-9	Benzo[k]fluoranthene	340	UJ
50-32-8	Benzo[a]pyrene	340	U
193-39-5	Indeno[1,2,3-cd]pyrene	340	U
53-70-3	Dibenz[a,h]anthracene	340	U
191-24-2	Benzo[g,h,i]perylene	340	U
111-44-4	bis(2-Chloroethyl)ether	340	U
86-74-8	Carbazole	340	U

(1) - Cannot be separated from Diphenylamine

FORM 1 cdm031 SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

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Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM031

Matrix: (soil/water) WATER Lab Sample ID: 0216022

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D06165

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/18/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/23/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorphenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
132-64-9	Dibenzofuran	10	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

cdm031 SAMPLE NO.

FIELDBLANK

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM031

Matrix: (soil/water) WATER Lab Sample ID: 0216022

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D06165

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/18/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/23/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-02-7	4-Nitrophenol	25	U
121-14-2	2,4-Dinitrotoluene	10	U
86-73-7	Fluorene	10	U
131-11-3	Dimethylphthalate	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo[a]anthracene	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-ethylhexyl)Phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
86-74-8	Carbazole	10	U

(1) - Cannot be separated from Diphenylamine

S 0086

ipcb 1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP01

Lab Name: H2M LABS, INC. Contract:

Lab Code: Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0216-012

Sample wt/vol: 1000 (g/mL) mL Lab File ID: RB00832.CDF

% Moisture: decanted: (Y/N) N Date Received: 2/15/00

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 2/19/00

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 2/23/00

Injection Volume: 0.5 (uL) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	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
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP02

Lab Name: H2M LABS, INC. Contract:

Lab Code: Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0216-013

Sample wt/vol: 1000 (g/mL) mL Lab File ID: RB00833.CDF

% Moisture: decanted: (Y/N) N Date Received: 2/15/00

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 2/19/00

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 2/23/00

Injection Volume: 0.5 (uL) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.050	UJ
319-85-7	beta-BHC	0.050	UJ
319-86-8	delta-BHC	0.050	UJ
58-89-9	gamma-BHC (Lindane)	0.050	UJ
76-44-8	Heptachlor	0.050	UJ
309-00-2	Aldrin	0.050	UJ
1024-57-3	Heptachlor epoxide	0.050	UJ
959-98-8	Endosulfan I	0.050	UJ
60-57-1	Dieldrin	0.10	UJ
72-55-9	4,4'-DDE	0.10	UJ
72-20-8	Endrin	0.10	UJ
33213-65-9	Endosulfan II	0.10	UJ
72-54-8	4,4'-DDD	0.10	UJ
1031-07-8	Endosulfan sulfate	0.10	UJ
50-29-3	4,4'-DDT	0.10	UJ
72-43-5	Methoxychlor	0.50	UJ
53494-70-5	Endrin ketone	0.10	UJ
7421-36-3	Endrin aldehyde	0.10	UJ
5103-71-9	alpha-Chlordane	0.050	UJ
5103-74-2	gamma-Chlordane	0.050	UJ
8001-35-2	Toxaphene	5.0	UJ
12674-11-2	Aroclor-1016	1.0	UJ
11104-28-2	Aroclor-1221	2.0	UJ
11141-16-5	Aroclor-1232	1.0	UJ
53469-21-9	Aroclor-1242	1.0	UJ
12672-29-6	Aroclor-1248	1.0	UJ
11097-69-1	Aroclor-1254	1.0	UJ
11096-82-5	Aroclor-1260	1.0	UJ

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PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP03

Lab Name: H2M LABS, INC. Contract: SDG No.: CDM030

Lab Code: Case No.: SAS No.:

Matrix: (soil/water) WATER Lab Sample ID: 0216-014

Sample wt/vol: 1000 (g/mL) mL Lab File ID: RB00834.CDF

% Moisture: decanted: (Y/N) N Date Received: 2/15/00

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 2/19/00

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 2/23/00

Injection Volume: 0.5 (uL) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	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
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE PCBs ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP04

Lab Name: H2M LABS, INC. Contract:

Lab Code: Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0216-015

Sample wt/vol: 1000 (g/mL) mL Lab File ID: RB00835.CDF

% Moisture: decanted: (Y/N) N Date Received: 2/15/00

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 2/19/00

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 2/23/00

Injection Volume: 0.5 (uL) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	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
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP05

Lab Name: H2M LABS, INC. Contract:

Lab Code: Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0216-016

Sample wt/vol: 1000 (g/mL) mL Lab File ID: RB00836.CDF

% Moisture: decanted: (Y/N) N Date Received: 2/15/00

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 2/19/00

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 2/23/00

Injection Volume: 0.5 (uL) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	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
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

S 0077

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PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP06

Lab Name: H2M LABS, INC. Contract:

Lab Code: Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0216-017

Sample wt/vol: 1000 (g/mL) mL Lab File ID: RB00837.CDF

% Moisture: decanted: (Y/N) N Date Received: 2/15/00

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 2/19/00

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 2/23/00

Injection Volume: 0.5 (uL) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.050	U J
319-85-7	beta-BHC	0.092	X J N
319-86-8	delta-BHC	0.050	U J
58-89-9	gamma-BHC (Lindane)	0.050	U J
76-44-8	Heptachlor	0.050	U J
309-00-2	Aldrin	0.050	U J
1024-57-3	Heptachlor epoxide	0.050	U J
959-98-8	Endosulfan I	0.050	U J
60-57-1	Dieldrin	0.10	U J
72-55-9	4,4'-DDE	0.10	U J
72-20-8	Endrin	0.10	U J
33213-65-9	Endosulfan II	0.10	U J
72-54-8	4,4'-DDD	0.10	U J
1031-07-8	Endosulfan sulfate	0.10	U J
50-29-3	4,4'-DDT	0.10	U J
72-43-5	Methoxychlor	0.50	U J
53494-70-5	Endrin ketone	0.10	U J
7421-36-3	Endrin aldehyde	0.10	U J
5103-71-9	alpha-Chlordane	0.050	U J
5103-74-2	gamma-Chlordane	0.050	U J
8001-35-2	Toxaphene	5.0	U J
12674-11-2	Aroclor-1016	1.0	U J
11104-28-2	Aroclor-1221	4.0	U J
11141-16-5	Aroclor-1232	1.0	U J
53469-21-9	Aroclor-1242	1.0	U J
12672-29-6	Aroclor-1248	1.0	U J
11097-69-1	Aroclor-1254	1.0	U J
11096-82-5	Aroclor-1260	1.0	U J

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PESTICIDE PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP07

Lab Name: H2M LABS, INC. Contract:

Lab Code: Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0216-018

Sample wt/vol: 1000 (g/mL) mL Lab File ID: RB00838.CDF

% Moisture: decanted: (Y/N) N Date Received: 2/15/00

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 2/19/00

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 2/23/00

Injection Volume: 0.5 (uL) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.050	U J
319-85-7	beta-BHC	0.18	P J
319-86-8	delta-BHC	0.050	U J
58-89-9	gamma-BHC (Lindane)	0.050	U J
76-44-8	Heptachlor	0.050	U J
309-00-2	Aldrin	0.050	U J
1024-57-3	Heptachlor epoxide	0.050	U J
959-98-8	Endosulfan I	0.050	U J
60-57-1	Dieldrin	0.10	U J
72-55-9	4,4'-DDE	0.10	U J
72-20-8	Endrin	0.10	U J
33213-65-9	Endosulfan II	0.10	U J
72-54-8	4,4'-DDD	0.10	U J
1031-07-8	Endosulfan sulfate	0.10	U J
50-29-3	4,4'-DDT	0.10	U J
72-43-5	Methoxychlor	0.50	U J
53494-70-5	Endrin ketone	0.10	U J
7421-36-3	Endrin aldehyde	0.10	U J
5103-71-9	alpha-Chlordane	0.050	U J
5103-74-2	gamma-Chlordane	0.050	U J
8001-35-2	Toxaphene	5.0	U J
12674-11-2	Aroclor-1016	1.0	U J
11104-28-2	Aroclor-1221	4.0	U J
11141-16-5	Aroclor-1232	1.0	U J
53469-21-9	Aroclor-1242	1.0	U J
12672-29-6	Aroclor-1248	1.0	U J
11097-69-1	Aroclor-1254	1.0	U J
11096-82-5	Aroclor-1260	1.0	U J

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PESTICIDE PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP

Lab Name: H2M LABS, INC. Contract:

Lab Code: Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0216-019

Sample wt/vol: 1000 (g/mL) mL Lab File ID: RB00841.CDF

% Moisture: decanted: (Y/N) N Date Received: 2/15/00

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 2/19/00

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 2/23/00

Injection Volume: 0.5 (uL) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	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
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE pab ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB

Lab Name: H2M LABS, INC. Contract:

Lab Code: Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0216-020

Sample wt/vol: 1000 (g/mL) mL Lab File ID: RB00842.CDF

% Moisture: decanted: (Y/N) N Date Received: 2/15/00

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 2/19/00

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 2/23/00

Injection Volume: 0.5 (uL) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	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
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D

PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW1

Lab Name: H2M LABS, INC. Contract:

Lab Code: Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0302-042

Sample wt/vol: 1000 (g/mL) mL Lab File ID: RB01233.CDF

% Moisture: decanted: (Y/N) N Date Received: 3/2/00

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 3/7/00

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 3/9/00

Injection Volume: 0.5 (uL) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	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
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

S 0117

PCB

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW3

Lab Name: H2M LABS, INC. Contract:

Lab Code: Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0302-043

Sample wt/vol: 1000 (g/mL) mL Lab File ID: RB01234.CDF

% Moisture: decanted: (Y/N) N Date Received: 3/2/00

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 3/7/00

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 3/10/00

Injection Volume: 0.5 (uL) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	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
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

S 0125

1D

PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP01

Lab Name: H2M LABS, INC. Contract:

Lab Code: Case No.: SAS No.: SDG No.: CDM031

Matrix: (soil/water) SOIL Lab Sample ID: 0216-023

Sample wt/vol: 30 (g/mL) g Lab File ID: RB01122.CDF

% Moisture: 4.7 decanted: (Y/N) N Date Received: 02/15/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/18/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 03/04/00

Injection Volume: 0.5 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 5.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.5	U
72-55-9	4,4'-DDE	3.5	U
72-20-8	Endrin	3.5	U
33213-65-9	Endosulfan II	3.5	U
72-54-8	4,4'-DDD	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
50-29-3	4,4'-DDT	3.5	U
72-43-5	Methoxychlor	18	U J
53494-70-5	Endrin ketone	3.5	U
7421-36-3	Endrin aldehyde	3.5	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	35	U
11104-28-2	Aroclor-1221	70	U
11141-16-5	Aroclor-1232	35	U
53469-21-9	Aroclor-1242	35	U
12672-29-6	Aroclor-1248	35	U
11097-69-1	Aroclor-1254	35	U
11096-82-5	Aroclor-1260	35	U

PCB

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP02

Lab Name: H2M LABS, INC. Contract:

Lab Code: Case No.: SAS No.: SDG No.: CDM031

Matrix: (soil/water) SOIL Lab Sample ID: 0216-024

Sample wt/vol: 30 (g/mL) g Lab File ID: RB01123.CDF

% Moisture: 8.1 decanted: (Y/N) N Date Received: 02/15/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/18/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 03/04/00

Injection Volume: 0.5 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 5.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4'-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4'-DDD	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4'-DDT	3.6	U
72-43-5	Methoxychlor	18	U J
53494-70-5	Endrin ketone	3.6	U
7421-36-3	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	36	U
11104-28-2	Aroclor-1221	73	U
11141-16-5	Aroclor-1232	36	U
53469-21-9	Aroclor-1242	36	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	36	U
11096-82-5	Aroclor-1260	36	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP04

Lab Name: H2M LABS, INC. Contract:

Lab Code: Case No.: SAS No.: SDG No.: CDM031

Matrix: (soil/water) SOIL Lab Sample ID: 0216-025

Sample wt/vol: 30 (g/mL) g Lab File ID: RB01124.CDF

% Moisture: 4.1 decanted: (Y/N) N Date Received: 02/15/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/18/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 03/04/00

Injection Volume: 0.5 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 5.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.4	U
72-55-9	4,4'-DDE	3.4	U
72-20-8	Endrin	3.4	U
33213-65-9	Endosulfan II	3.4	U
72-54-8	4,4'-DDD	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
50-29-3	4,4'-DDT	3.4	U
72-43-5	Methoxychlor	18	U J
53494-70-5	Endrin ketone	3.4	U
7421-36-3	Endrin aldehyde	3.4	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	34	U
11104-28-2	Aroclor-1221	70	U
11141-16-5	Aroclor-1232	34	U
53469-21-9	Aroclor-1242	34	U
12672-29-6	Aroclor-1248	34	U
11097-69-1	Aroclor-1254	34	U
11096-82-5	Aroclor-1260	34	U

S 0052

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP05

Lab Name: H2M LABS, INC. Contract:

Lab Code: Case No.: SAS No.: SDG No.: CDM031

Matrix: (soil/water) SOIL Lab Sample ID: 0216-026

Sample wt/vol: 30 (g/mL) g Lab File ID: RB01125.CDF

% Moisture: 3.6 decanted: (Y/N) N Date Received: 02/15/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/18/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 03/04/00

Injection Volume: 0.5 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 5.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.4	U
72-55-9	4,4'-DDE	3.4	U
72-20-8	Endrin	3.4	U
33213-65-9	Endosulfan II	3.4	U
72-54-8	4,4'-DDD	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
50-29-3	4,4'-DDT	3.4	U
72-43-5	Methoxychlor	18	UJ
53494-70-5	Endrin ketone	3.4	U
7421-36-3	Endrin aldehyde	3.4	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	34	U
11104-28-2	Aroclor-1221	70	U
11141-16-5	Aroclor-1232	34	U
53469-21-9	Aroclor-1242	34	U
12672-29-6	Aroclor-1248	34	U
11097-69-1	Aroclor-1254	34	U
11096-82-5	Aroclor-1260	34	U

pcb

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP06

Lab Name: H2M LABS, INC. Contract:

Lab Code: Case No.: SAS No.: SDG No.: CDM031

Matrix: (soil/water) SOIL Lab Sample ID: 0216-027

Sample wt/vol: 30 (g/mL) g Lab File ID: RB01126.CDF

% Moisture: 3.9 decanted: (Y/N) N Date Received: 02/15/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/18/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 03/04/00

Injection Volume: 0.5 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 5.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.4	U
72-55-9	4,4'-DDE	2.2	J
72-20-8	Endrin	3.4	U
33213-65-9	Endosulfan II	3.4	U
72-54-8	4,4'-DDD	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
50-29-3	4,4'-DDT	2.2	J
72-43-5	Methoxychlor	18	U J
53494-70-5	Endrin ketone	3.4	U
7421-36-3	Endrin aldehyde	3.4	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	34	U
11104-28-2	Aroclor-1221	70	U
11141-16-5	Aroclor-1232	34	U
53469-21-9	Aroclor-1242	34	U
12672-29-6	Aroclor-1248	34	U
11097-69-1	Aroclor-1254	34	U
11096-82-5	Aroclor-1260	34	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP07

Lab Name: H2M LABS, INC. Contract:

Lab Code: Case No.: SAS No.: SDG No.: CDM031

Matrix: (soil/water) SOIL Lab Sample ID: 0216-028

Sample wt/vol: 30 (g/mL) g Lab File ID: RB01127.CDF

% Moisture: 3.1 decanted: (Y/N) N Date Received: 02/15/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/18/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 03/04/00

Injection Volume: 0.5 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 5.0 Suifur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.4	U
72-55-9	4,4'-DDE	3.4	U
72-20-8	Endrin	3.4	U
33213-65-9	Endosulfan II	3.4	U
72-54-8	4,4'-DDD	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
50-29-3	4,4'-DDT	3.4	U
72-43-5	Methoxychlor	18	UJ
53494-70-5	Endrin ketone	3.4	U
7421-36-3	Endrin aldehyde	3.4	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	34	U
11104-28-2	Aroclor-1221	69	U
11141-16-5	Aroclor-1232	34	U
53469-21-9	Aroclor-1242	34	U
12672-29-6	Aroclor-1248	34	U
11097-69-1	Aroclor-1254	34	U
11096-82-5	Aroclor-1260	34	U

1D

PESTICIDE PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPLICATE

Lab Name: H2M LABS, INC. Contract:

Lab Code: Case No.: SAS No.: SDG No.: CDM031

Matrix: (soil/water) SOIL Lab Sample ID: 0216-029

Sample wt/vol: 30 (g/mL) g Lab File ID: RB01130.CDF

% Moisture: 3.6 decanted: (Y/N) N Date Received: 02/15/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/18/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 03/04/00

Injection Volume: 0.5 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 5.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.4	U
72-55-9	4,4'-DDE	3.4	U
72-20-8	Endrin	3.4	U
33213-65-9	Endosulfan II	3.4	U
72-54-8	4,4'-DDD	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
50-29-3	4,4'-DDT	3.4	U
72-43-5	Methoxychlor	18	U J
53494-70-5	Endrin ketone	3.4	U
7421-36-3	Endrin aldehyde	3.4	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	34	U
11104-28-2	Aroclor-1221	70	U
11141-16-5	Aroclor-1232	34	U
53469-21-9	Aroclor-1242	34	U
12672-29-6	Aroclor-1248	34	U
11097-69-1	Aroclor-1254	34	U
11096-82-5	Aroclor-1260	34	U

S 0080

1D

PESTICIDE PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELDBL

Lab Name: H2M LABS, INC. Contract:

Lab Code: Case No.: SAS No.: SDG No.: CDM031

Matrix: (soil/water) WATER Lab Sample ID: O216022

Sample wt/vol: 1000 (g/mL) mL Lab File ID: RB00843.CDF

% Moisture: decanted: (Y/N) N Date Received: 02/15/00

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 02/19/00

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 02/23/00

Injection Volume: 0.5 (uL) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	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
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U J
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

S 0088

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP-01

Lab Name: H2M_LABS,_INC._____ Contract: _____

Lab Code: 10478_ Case No.: _____ SAS No.: _____ SDG No.: CD&M030

Matrix (soil/water): WATER__ Lab Sample ID: 20000216-012

Level (low/med): LOW____ Date Received: 02/15/00_

% Solids: _____

Concentration Units (ug/L or mg/kg dry weight): UG/L__

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	615			P
7440-36-0	Antimony	3.2	U		P
7440-38-2	Arsenic	3.0	U		P
7440-39-3	Barium	17.1	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	2680	B		P
7440-47-3	Chromium	5.2	B		P
7440-48-4	Cobalt	3.6	B		P
7440-50-8	Copper	1.5	U		P
7439-89-6	Iron	1070			P
7439-92-1	Lead	1.6	U		P
7439-95-4	Magnesium	1400	B		P
7439-96-5	Manganese	977			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	5.1	B		P
7440-09-7	Potassium	1180	J	~~B~~ E	P
7782-49-2	Selenium	2.7	UJ	~~U~~ *N	P
7440-22-4	Silver	0.70	U		P
7440-23-5	Sodium	4270	B		P
7440-28-0	Thallium	4.0	U		P
7440-62-2	Vanadium	1.3	U		P
7440-66-6	Zinc	2.3	B		P
	Cyanide				NR

Color Before: COLORLESS_ Clarity Before: CLEAR__ Texture: _____

Color After: COLORLESS_ Clarity After: CLEAR__ Artifacts: _____

Comments:
REPORTED_3/16/00_____
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NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP-02

Name: H2M_LABS,_INC._____ Contract: _____

Code: 10478_ Case No.: _____ SAS No.: _____ SDG No.: CD&M030

rix (soil/water): WATER__ Lab Sample ID: 20000216-013

el (low/med): LOW____ Date Received: 02/15/00_

olids: _____

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7010			P
7440-36-0	Antimony	3.2	U		P
7440-38-2	Arsenic	3.0	U		P
7440-39-3	Barium	149	B		P
7440-41-7	Beryllium	0.54	B		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	5900			P
7440-47-3	Chromium	140			P
7440-48-4	Cobalt	8.6	B		P
7440-50-8	Copper	38.1			P
7439-89-6	Iron	26500			P
7439-92-1	Lead	9.3			P
7439-95-4	Magnesium	2030	B		P
7439-96-5	Manganese	912			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	26.7	B		P
7440-09-7	Potassium	1510 J	~~B~~	~~E~~	P
7782-49-2	Selenium	2.7 UJ	~~U~~	~~*N~~	P
7440-22-4	Silver	0.70	U		P
7440-23-5	Sodium	5930			P
7440-28-0	Thallium	4.0	U		P
7440-62-2	Vanadium	8.5	B		P
7440-66-6	Zinc	109			P
	Cyanide				NR

lor Before: COLORLESS_ Clarity Before: CLEAR__ Texture: _____

lor After: COLORLESS_ Clarity After: CLEAR__ Artifacts: _____

nments:
REPORTED_3/16/00_____

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP-03

Lab Name: H2M_LABS,_INC._____ Contract: _____

Lab Code: 10478_ Case No.: _____ SAS No.: _____ SDG No.: CD&M030

Matrix (soil/water): WATER__ Lab Sample ID: 20000216-014

Level (low/med): LOW____ Date Received: 02/15/00_

% Solids: _____

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5750			P
7440-36-0	Antimony	3.2	U		P
7440-38-2	Arsenic	3.0	U		P
7440-39-3	Barium	156	B		P
7440-41-7	Beryllium	0.49	B		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	9950			P
7440-47-3	Chromium	71.6			P
7440-48-4	Cobalt	19.6	B		P
7440-50-8	Copper	26.0			P
7439-89-6	Iron	16500			P
7439-92-1	Lead	17.0			P
7439-95-4	Magnesium	1990	B		P
7439-96-5	Manganese	2590			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	26.5	B		P
7440-09-7	Potassium	1120 J	B	E	P
7782-49-2	Selenium	2.7 UJ	U	N	P
7440-22-4	Silver	0.70	U		P
7440-23-5	Sodium	4680	B		P
7440-28-0	Thallium	4.0	U		P
7440-62-2	Vanadium	4.5	B		P
7440-66-6	Zinc	20.6			P
	Cyanide				NR

Color Before: COLORLESS_ Clarity Before: CLEAR__ Texture: _____

Color After: COLORLESS_ Clarity After: CLEAR__ Artifacts: _____

Comments:
REPORTED_3/16/00_____

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP-04

Lab Name: H2M_LABS,_INC._____ Contract: _____

Code: 10478_ Case No.: _____ SAS No.: _____ SDG No.: CD&M030

Matrix (soil/water): WATER__ Lab Sample ID: 20000216-015

Level (low/med): LOW____ Date Received: 02/15/00_

% Solids: _____

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13500			P
7440-36-0	Antimony	3.2	U		P
7440-38-2	Arsenic	3.0	U		P
7440-39-3	Barium	238			P
7440-41-7	Beryllium	0.73	B		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	5650			P
7440-47-3	Chromium	32.8			P
7440-48-4	Cobalt	21.5	B		P
7440-50-8	Copper	18.1	B		P
7439-89-6	Iron	11700			P
7439-92-1	Lead	15.9			P
7439-95-4	Magnesium	2380	B		P
7439-96-5	Manganese	2970			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	24.7	B		P
7440-09-7	Potassium	1130	J ~~B~~	~~E~~	P
7782-49-2	Selenium	2.7	UJ ~~U~~	~~N~~	P
7440-22-4	Silver	0.82	B		P
7440-23-5	Sodium	5110			P
7440-28-0	Thallium	4.0	U		P
7440-62-2	Vanadium	6.4	B		P
7440-66-6	Zinc	14.0	B		P
_____	Cyanide	_____			NR

Color Before: COLORLESS_ Clarity Before: CLEAR__ Texture: _____

Color After: COLORLESS_ Clarity After: CLEAR__ Artifacts: _____

Comments:
REPORTED_3/16/00_____

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP-05

Lab Name: H2M_LABS,_INC._____ Contract: _____

Lab Code: 10478_ Case No.: _____ SAS No.: _____ SDG No.: CD&M030

Matrix (soil/water): WATER__ Lab Sample ID: 20000216-016

Level (low/med): LOW____ Date Received: 02/15/00_

% Solids: _____

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11300			P
7440-36-0	Antimony	3.2	U		P
7440-38-2	Arsenic	3.0	U		P
7440-39-3	Barium	194	B		P
7440-41-7	Beryllium	0.74	B		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	8030			P
7440-47-3	Chromium	26.1			P
7440-48-4	Cobalt	16.5	B		P
7440-50-8	Copper	15.0	B		P
7439-89-6	Iron	10300			P
7439-92-1	Lead	13.3			P
7439-95-4	Magnesium	1910	B		P
7439-96-5	Manganese	2090			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	15.4	B		P
7440-09-7	Potassium	1240 J	~~B~~	~~E~~	P
7782-49-2	Selenium	2.7 UJ	~~U~~	~~*N~~	P
7440-22-4	Silver	0.70	U		P
7440-23-5	Sodium	5800			P
7440-28-0	Thallium	4.0	U		P
7440-62-2	Vanadium	6.3	B		P
7440-66-6	Zinc	11.6	B		P
	Cyanide				NR

Color Before: COLORLESS_ Clarity Before: CLEAR__ Texture: _____

Color After: COLORLESS_ Clarity After: CLEAR__ Artifacts: _____

Comments:
REPORTED_3/16/00_____

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP-06

Name: H2M_LABS,_INC._____ Contract: _____

Code: 10478_ Case No.: _____ SAS No.: _____ SDG No.: CD&M030

rix (soil/water): WATER__ Lab Sample ID: 20000216-017

el (low/med): LOW____ Date Received: 02/15/00_

olids: _____

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2710			P
7440-36-0	Antimony	3.2	U		P
7440-38-2	Arsenic	3.0	U		P
7440-39-3	Barium	118	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	2.5	B		P
7440-70-2	Calcium	9640			P
7440-47-3	Chromium	27.4			P
7440-48-4	Cobalt	4.6	B		P
7440-50-8	Copper	10.2	B		P
7439-89-6	Iron	7610			P
7439-92-1	Lead	6.3			P
7439-95-4	Magnesium	1670	B		P
7439-96-5	Manganese	4040			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	11.4	B		P
7440-09-7	Potassium	1450 J	~~B~~	~~E~~	P
7782-49-2	Selenium	2.7 UJ	~~U~~	~~N~~	P
7440-22-4	Silver	0.85	B		P
7440-23-5	Sodium	4220	B		P
7440-28-0	Thallium	4.0	U		P
7440-62-2	Vanadium	3.7	B		P
7440-66-6	Zinc	11.8	B		P
	Cyanide				NR

lor Before: COLORLESS_ Clarity Before: CLEAR__ Texture: _____

or After: COLORLESS_ Clarity After: CLEAR__ Artifacts: _____

ments:
REPORTED_3/16/00_____

S 0086

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP-07

Lab Name: H2M_LABS,_INC._____ Contract: _____

ab Code: 10478_ Case No.: _____ SAS No.: _____ SDG No.: CD&M030

Matrix (soil/water): WATER__ Lab Sample ID: 20000216-018

evel (low/med): LOW____ Date Received: 02/15/00_

Solids: _____

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5750			P
7440-36-0	Antimony	3.2	U		P
7440-38-2	Arsenic	3.0	U		P
7440-39-3	Barium	103	B		P
7440-41-7	Beryllium	0.45	B		P
7440-43-9	Cadmium	1.3	B		P
7440-70-2	Calcium	4500	B		P
7440-47-3	Chromium	27.9			P
7440-48-4	Cobalt	12.2	B		P
7440-50-8	Copper	11.7	B		P
7439-89-6	Iron	8590			P
7439-92-1	Lead	11.5			P
7439-95-4	Magnesium	1210	B		P
7439-96-5	Manganese	5720			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	12.6	B		P
7440-09-7	Potassium	1090 J	B	E	P
7782-49-2	Selenium	6.2	J	N	P
7440-22-4	Silver	1.3	B		P
7440-23-5	Sodium	3740	B		P
7440-28-0	Thallium	4.0	U		P
7440-62-2	Vanadium	5.2	B		P
7440-66-6	Zinc	10.0	B		P
	Cyanide				NR

Color Before: COLORLESS_ Clarity Before: CLEAR__ Texture: _____

olor After: COLORLESS_ Clarity After: CLEAR__ Artifacts: _____

Comments:
REPORTED_3/16/00_____

S 0094

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPLICATE

Name: H2M_LABS,_INC._____ Contract: _____

Code: 10478_ Case No.: _____ SAS No.: _____ SDG No.: CD&M030

Matrix (soil/water): WATER__ Lab Sample ID: 20000216-019

Level (low/med): LOW____ Date Received: 02/15/00_

% Solids: _____

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7030			P
7440-36-0	Antimony	3.2	U		P
7440-38-2	Arsenic	3.0	U		P
7440-39-3	Barium	218			P
7440-41-7	Beryllium	0.43	B		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	11200			P
7440-47-3	Chromium	83.7			P
7440-48-4	Cobalt	21.6	B		P
7440-50-8	Copper	31.4			P
7439-89-6	Iron	20000			P
7439-92-1	Lead	23.4			P
7439-95-4	Magnesium	2320	B		P
7439-96-5	Manganese	3540			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	38.2	B		P
7440-09-7	Potassium	1260 J	~~B~~	~~E~~	P
7782-49-2	Selenium	2.7 UJ	~~U~~	~~*N~~	P
7440-22-4	Silver	0.82	B		P
7440-23-5	Sodium	4330	B		P
7440-28-0	Thallium	4.0	U		P
7440-62-2	Vanadium	5.7	B		P
7440-66-6	Zinc	24.4			P
	Cyanide				NR

Color Before: COLORLESS_ Clarity Before: CLEAR__ Texture: _____

Color After: COLORLESS_ Clarity After: CLEAR__ Artifacts: _____

Comments:
REPORTED_3/16/00_____

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD_BLANK

Lab Name: H2M_LABS,_INC._____ Contract: _____

Lab Code: 10478_ Case No.: _____ SAS No.: _____ SDG No.: CD&M030

Matrix (soil/water): WATER__ Lab Sample ID: 20000216-020

Level (low/med): LOW____ Date Received: 02/15/00_

% Solids: _____

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	27.0	B		P
7440-36-0	Antimony	3.2	U		P
7440-38-2	Arsenic	3.0	U		P
7440-39-3	Barium	1.2	U		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	110	B		P
7440-47-3	Chromium	0.89	U		P
7440-48-4	Cobalt	2.1	U		P
7440-50-8	Copper	1.5	U		P
7439-89-6	Iron	15.7	B		P
7439-92-1	Lead	1.6	U		P
7439-95-4	Magnesium	10.5	B		P
7439-96-5	Manganese	1.1	B		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	2.0	U		P
7440-09-7	Potassium	10.0 U	U	E	P
7782-49-2	Selenium	2.7 UJ	U	*N	P
7440-22-4	Silver	0.70	U		P
7440-23-5	Sodium	145	B		P
7440-28-0	Thallium	4.0	U		P
7440-62-2	Vanadium	1.3	U		P
7440-66-6	Zinc	1.3	U		P
	Cyanide				NR

Color Before: COLORLESS_ Clarity Before: CLEAR__ Texture: _____

Color After: COLORLESS_ Clarity After: CLEAR__ Artifacts: _____

Comments:
REPORTED_3/16/00_____

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Name: H2M_LABS,_INC._____ Contract: _____

Code: 10478_ Case No.: _____ SAS No.: _____ SDG No.: CD&M030

Matrix (soil/water): WATER__ Lab Sample ID: 20000302-042

Level (low/med): LOW____ Date Received: 03/02/00_

% Solids: _____

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	109	B		P
7440-36-0	Antimony	3.2	U		P
7440-38-2	Arsenic	3.0	U		P
7440-39-3	Barium	10.8	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	2.5	B		P
7440-70-2	Calcium	3640	B		P
7440-47-3	Chromium	0.89	U		P
7440-48-4	Cobalt	2.1	U		P
7440-50-8	Copper	4.9	B		P
7439-89-6	Iron	71.6	B		P
7439-92-1	Lead	1.6	U		P
7439-95-4	Magnesium	545	B		P
7439-96-5	Manganese	21.9			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	2.0	U		P
7440-09-7	Potassium	281 J	~~B~~	E	P
7782-49-2	Selenium	2.7 UJ	~~U~~	*N	P
7440-22-4	Silver	0.70	U		P
7440-23-5	Sodium	2270	B		P
7440-28-0	Thallium	4.0	U		P
7440-62-2	Vanadium	1.3	U		P
7440-66-6	Zinc	75.0			P
	Cyanide				NR

Color Before: COLORLESS_ Clarity Before: CLEAR__ Texture: _____

Color After: COLORLESS_ Clarity After: CLEAR__ Artifacts: _____

Comments:
REPORTED_3/16/00_____

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name: H2M_LABS,_INC._____ Contract: _____

Lab Code: 10478_ Case No.: _____ SAS No.: _____ SDG No.: CD&M030

Matrix (soil/water): WATER__ Lab Sample ID: 20000302-043

Level (low/med): LOW____ Date Received: 03/02/00_

% Solids: _____

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	47.0	B		P
7440-36-0	Antimony	3.2	U		P
7440-38-2	Arsenic	3.0	U		P
7440-39-3	Barium	10.7	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	3110	B		P
7440-47-3	Chromium	0.89	U		P
7440-48-4	Cobalt	2.1	U		P
7440-50-8	Copper	1.5	U		P
7439-89-6	Iron	12.6	B		P
7439-92-1	Lead	1.6	U		P
7439-95-4	Magnesium	1510	B		P
7439-96-5	Manganese	6.2	B		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	2.0	U		P
7440-09-7	Potassium	480 J	~~B~~	~~E~~	P
7782-49-2	Selenium	2.7 UJ	~~U~~	~~EN~~	P
7440-22-4	Silver	0.70	U		P
7440-23-5	Sodium	3170	B		P
7440-28-0	Thallium	4.0	U		P
7440-62-2	Vanadium	1.3	U		P
7440-66-6	Zinc	1.3	U		P
	Cyanide				NR

Color Before: COLORLESS_ Clarity Before: CLEAR__ Texture: _____

Color After: COLORLESS_ Clarity After: CLEAR__ Artifacts: _____

Comments:
REPORTED_3/16/00_____

NYSDEC - ASP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP-01(28'-32')

Lab Name: H2M_LABS,_INC._____ Contract: _____

Lab Code: 10478_ Case No.: _____ SAS No.: _____ SDG No.: CD&M031

Matrix (soil/water): SOIL___ Lab Sample ID: 20000216-023

Level (low/med): LOW____ Date Received: 02/15/00_

% Solids: 95.3___

Concentration Units (ug/L or mg/kg dry weight): MG/KG_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2240			P
7440-36-0	Antimony	0.34	U		P
7440-38-2	Arsenic	0.79	B		P
7440-39-3	Barium	5.6	B		P
7440-41-7	Beryllium	0.095	B		P
7440-43-9	Cadmium	0.042	U		P
7440-70-2	Calcium	74.4 U	B		P
7440-47-3	Chromium	4.6		N	P
7440-48-4	Cobalt	2.6	B		P
7440-50-8	Copper	8.0	J		P
7439-89-6	Iron	4930	J	N	P
7439-92-1	Lead	5.5			P
7439-95-4	Magnesium	515	B		P
7439-96-5	Manganese	85.1	J	N	P
7439-97-6	Mercury	0.052	U		CV
7440-02-0	Nickel	3.1	B		P
7440-09-7	Potassium	75.8	B		P
7782-49-2	Selenium	0.31 J	B	N	P
7440-22-4	Silver	0.072	U		P
7440-23-5	Sodium	47.1 U	B		P
7440-28-0	Thallium	0.42	U		P
7440-62-2	Vanadium	9.0			P
7440-66-6	Zinc	11.8	J		P
	Cyanide				NR

Color Before: LT_BROWN_ Clarity Before: _____ Texture: MEDIUM

Color After: LT_YELLOW_ Clarity After: CLEAR__ Artifacts: _____

Comments:

REPORTED_3/24/00

NYSDEC - ASP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP-02(0'-4')

Lab Name: H2M_LABS,_INC._____ Contract: _____

Lab Code: 10478_ Case No.: _____ SAS No.: _____ SDG No.: CD&M031

Matrix (soil/water): SOIL___ Lab Sample ID: 20000216-024

Level (low/med): LOW____ Date Received: 02/15/00_

% Solids: 91.9___

Concentration Units (ug/L or mg/kg dry weight): MG/KG_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1090			P
7440-36-0	Antimony	0.35	U		P
7440-38-2	Arsenic	0.33	U		P
7440-39-3	Barium	2.7	B		P
7440-41-7	Beryllium	0.029	B		P
7440-43-9	Cadmium	0.044	U		P
7440-70-2	Calcium	58.4 U	~~B~~		P
7440-47-3	Chromium	8.7		~~*~~	P
7440-48-4	Cobalt	0.88	B		P
7440-50-8	Copper	2.3 J	~~B~~		P
7439-89-6	Iron	2890	J	~~*~~	P
7439-92-1	Lead	1.4			P
7439-95-4	Magnesium	272	B		P
7439-96-5	Manganese	35.7	J	~~N~~	P
7439-97-6	Mercury	0.052	U		CV
7440-02-0	Nickel	1.4	B		P
7440-09-7	Potassium	66.3	B		P
7782-49-2	Selenium	0.29 UJ	~~U~~	~~N~~	P
7440-22-4	Silver	0.075	U		P
7440-23-5	Sodium	43.1 U	~~B~~		P
7440-28-0	Thallium	0.44	U		P
7440-62-2	Vanadium	3.8	B		P
7440-66-6	Zinc	4.0	J		P
	Cyanide				NR

Color Before: LT_BROWN_ Clarity Before: _____ Texture: MEDIUM

Color After: LT_YELLOW_ Clarity After: CLEAR__ Artifacts: _____

Comments:

REPORTED_3/24/00_____

NYSDEC - ASP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP-04(14'-16')

ab Name: H2M_LABS,_INC._____ Contract: _____

ab Code: 10478_ Case No.: _____ SAS No.: _____ SDG No.: CD&M031

latrix (soil/water): SOIL___ Lab Sample ID: 20000216-025

evel (low/med): LOW____ Date Received: 02/15/00_

; Solids: 95.9___

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	998			P
7440-36-0	Antimony	0.33	U		P
7440-38-2	Arsenic	0.31	U		P
7440-39-3	Barium	4.5	B		P
7440-41-7	Beryllium	0.057	B		P
7440-43-9	Cadmium	0.042	U		P
7440-70-2	Calcium	80.4 U	~~B~~		P
7440-47-3	Chromium	2.1		*	P
7440-48-4	Cobalt	0.70	B		P
7440-50-8	Copper	1.5	B		P
7439-89-6	Iron	1950	J	*	P
7439-92-1	Lead	0.97			P
7439-95-4	Magnesium	210	B		P
7439-96-5	Manganese	62.0	J	N	P
7439-97-6	Mercury	0.042	U		CV
7440-02-0	Nickel	1.5	B		P
7440-09-7	Potassium	88.5	B		P
7782-49-2	Selenium	0.32 J	~~B~~	N	P
7440-22-4	Silver	0.072	U		P
7440-23-5	Sodium	64.3 U	~~B~~		P
7440-28-0	Thallium	0.42	U		P
7440-62-2	Vanadium	2.8	B		P
7440-66-6	Zinc	5.3	J		P
	Cyanide				NR

Color Before: LT_BROWN_ Clarity Before: _____ Texture: MEDIUM

Color After: LT_YELLOW_ Clarity After: CLEAR__ Artifacts: _____

Comments:

REPORTED_3/24/00_____

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP-05(16'-20')

Lab Name: H2M_LABS,_INC._____ Contract: _____

Lab Code: 10478_ Case No.: _____ SAS No.: _____ SDG No.: CD&M031

Matrix (soil/water): SOIL___ Lab Sample ID: 20000216-026

Level (low/med): LOW____ Date Received: 02/15/00_

% Solids: 96.4___

Concentration Units (ug/L or mg/kg dry weight): MG/KG_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1370			P
7440-36-0	Antimony	0.33	U		P
7440-38-2	Arsenic	0.31	U		P
7440-39-3	Barium	4.0	B		P
7440-41-7	Beryllium	0.070	B		P
7440-43-9	Cadmium	0.041	U		P
7440-70-2	Calcium	73.8 U	~~B~~		P
7440-47-3	Chromium	2.5		/	P
7440-48-4	Cobalt	0.99	B		P
7440-50-8	Copper	1.5	B		P
7439-89-6	Iron	2590	J	/	P
7439-92-1	Lead	1.2			P
7439-95-4	Magnesium	195	B		P
7439-96-5	Manganese	170	J	N	P
7439-97-6	Mercury	0.049	U		CV
7440-02-0	Nickel	2.2	B		P
7440-09-7	Potassium	88.9	B		P
7782-49-2	Selenium	0.28 UJ	~~U~~	N	P
7440-22-4	Silver	0.072	U		P
7440-23-5	Sodium	81.9 U	~~B~~		P
7440-28-0	Thallium	0.41	U		P
7440-62-2	Vanadium	3.4	B		P
7440-66-6	Zinc	8.0	J		P
	Cyanide				NR

Color Before: LT_BROWN_ Clarity Before: _____ Texture: MEDIUM

Color After: LT_YELLOW_ Clarity After: CLEAR__ Artifacts: _____

Comments:
REPORTED_3/24/00_____

NYSDEC - AS
1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP-06(20'-24')

Lab Name: H2M_LABS,_INC._____ Contract: _____

Lab Code: 10478_ Case No.: _____ SAS No.: _____ SDG No.: CD&M031

Matrix (soil/water): SOIL___ Lab Sample ID: 20000216-027

Level (low/med): LOW____ Date Received: 02/15/00_

% Solids: 96.1___

Concentration Units (ug/L or mg/kg dry weight): MG/KG_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1160			P
7440-36-0	Antimony	0.33	U		P
7440-38-2	Arsenic	0.31	U		P
7440-39-3	Barium	4.1	B		P
7440-41-7	Beryllium	0.043	B		P
7440-43-9	Cadmium	0.042	U		P
7440-70-2	Calcium	124 U	~~B~~		P
7440-47-3	Chromium	13.1		✓	P
7440-48-4	Cobalt	1.2	B		P
7440-50-8	Copper	2.9	J		P
7439-89-6	Iron	3220	J	✓	P
7439-92-1	Lead	1.4			P
7439-95-4	Magnesium	290	B		P
7439-96-5	Manganese	43.6	J	N	P
7439-97-6	Mercury	0.050	U		CV
7440-02-0	Nickel	1.6	B		P
7440-09-7	Potassium	156	B		P
7782-49-2	Selenium	0.32 J	~~B~~	N	P
7440-22-4	Silver	0.11	B		P
7440-23-5	Sodium	72.3 U	~~B~~		P
7440-28-0	Thallium	0.42	U		P
7440-62-2	Vanadium	4.4	B		P
7440-66-6	Zinc	5.2	J		P
	Cyanide				NR

Color Before: LT_BROWN_ Clarity Before: _____ Texture: MEDIUM

Color After: LT_YELLOW_ Clarity After: CLEAR__ Artifacts: _____

Comments:

REPORTED_3/24/00_____

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DP-07(12'-16')

Lab Name: H2M_LABS,_INC._____ Contract: _____

Lab Code: 10478_ Case No.: _____ SAS No.: _____ SDG No.: CD&M031

Matrix (soil/water): SOIL___ Lab Sample ID: 20000216-028

Level (low/med): LOW____ Date Received: 02/15/00_

% Solids: 96.9___

Concentration Units (ug/L or mg/kg dry weight): MG/KG_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	946			P
7440-36-0	Antimony	0.33	U		P
7440-38-2	Arsenic	0.50	B		P
7440-39-3	Barium	3.1	B		P
7440-41-7	Beryllium	0.057	B		P
7440-43-9	Cadmium	0.041	U		P
7440-70-2	Calcium	87.5 U	~~B~~		P
7440-47-3	Chromium	5.7		~~N~~	P
7440-48-4	Cobalt	0.70	B		P
7440-50-8	Copper	1.8 J	~~B~~		P
7439-89-6	Iron	2000	J	~~N~~	P
7439-92-1	Lead	1.2			P
7439-95-4	Magnesium	186	B		P
7439-96-5	Manganese	41.2	J	~~N~~	P
7439-97-6	Mercury	0.052	U		CV
7440-02-0	Nickel	1.3	B		P
7440-09-7	Potassium	87.4	B		P
7782-49-2	Selenium	0.51 J	~~B~~	~~N~~	P
7440-22-4	Silver	0.071	U		P
7440-23-5	Sodium	49.3 U	~~B~~		P
7440-28-0	Thallium	0.41	U		P
7440-62-2	Vanadium	2.8	B		P
7440-66-6	Zinc	3.2	J		P
	Cyanide				NR

Color Before: LT_BROWN_ Clarity Before: _____ Texture: MEDIUM

Color After: LT_YELLOW_ Clarity After: CLEAR__ Artifacts: _____

Comments:

REPORTED_3/24/00_____

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPLICATE

Lab Name: H2M_LABS,_INC._____ Contract: _____

Lab Code: 10478_ Case No.: _____ SAS No.: _____ SDG No.: CD&M031

Matrix (soil/water): SOIL___ Lab Sample ID: 20000216-029

Level (low/med): LOW____ Date Received: 02/15/00_

% Solids: 96.4___

Concentration Units (ug/L or mg/kg dry weight): MG/KG_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1600			P
7440-36-0	Antimony	0.33	U		P
7440-38-2	Arsenic	0.31	U		P
7440-39-3	Barium	4.3	B		P
7440-41-7	Beryllium	0.098	B		P
7440-43-9	Cadmium	0.041	U		P
7440-70-2	Calcium	74.3 U	~~B~~		P
7440-47-3	Chromium	2.3		~~*~~	P
7440-48-4	Cobalt	1.0	B		P
7440-50-8	Copper	1.8 J	~~B~~		P
7439-89-6	Iron	2890	J	~~*~~	P
7439-92-1	Lead	1.2			P
7439-95-4	Magnesium	230	B		P
7439-96-5	Manganese	188	J	~~N~~	P
7439-97-6	Mercury	0.043	U		CV
7440-02-0	Nickel	2.4	B		P
7440-09-7	Potassium	90.6	B		P
7782-49-2	Selenium	0.28 UJ	~~U~~	~~N~~	P
7440-22-4	Silver	0.072	U		P
7440-23-5	Sodium	63.7 U	~~B~~		P
7440-28-0	Thallium	0.41	U		P
7440-62-2	Vanadium	3.8	B		P
7440-66-6	Zinc	5.9	J		P
	Cyanide				NR

Color Before: LT_BROWN_ Clarity Before: _____ Texture: MEDIUM

Color After: LT_YELLOW_ Clarity After: CLEAR__ Artifacts: _____

Comments:
REPORTED_3/24/00

NYSDEC - ASP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD_BLANK

Lab Name: H2M_LABS,_INC._____ Contract: _____

Lab Code: 10478_ Case No.: _____ SAS No.: _____ SDG No.: CD&M031

Matrix (soil/water): WATER__ Lab Sample ID: 20000216-022

Level (low/med): LOW____ Date Received: 02/15/00_

% Solids: _____

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14.0	U		P
7440-36-0	Antimony	3.2	U		P
7440-38-2	Arsenic	3.0	U		P
7440-39-3	Barium	1.2	U		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	177	B		P
7440-47-3	Chromium	0.89	U		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	1.5	U		P
7439-89-6	Iron	9.3	B		P
7439-92-1	Lead	1.6	U		P
7439-95-4	Magnesium	19.8	B		P
7439-96-5	Manganese	0.60	U		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	2.0	U		P
7440-09-7	Potassium	10.2	B		P
7782-49-2	Selenium	2.7	U		P
7440-22-4	Silver	0.69	U		P
7440-23-5	Sodium	434	B		P
7440-28-0	Thallium	4.0	U		P
7440-62-2	Vanadium	1.3	U		P
7440-66-6	Zinc	1.7	B		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR__ Texture: _____

Color After: LT_YELLOW Clarity After: CLEAR__ Artifacts: _____

Comments:

REPORTED_3/24/00_____

S 0089

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DP-01

Lab Name: H2M LABS,INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 200000216-012

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3503.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. Date Analyzed: 02/22/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DP-02

Lab Name: H2M LABS,INC Contract: _____

Lab Code: 10478 Case No.: _____ SAS No.: _____ SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 200000216-013

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3504.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DP-03

Lab Name: H2M LABS,INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 200000216-014

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3505.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. Date Analyzed: 02/22/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DP-04

Lab Name: H2M LABS,INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 200000216-015

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3506.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. Date Analyzed: 02/22/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DP-05

Lab Name: H2M LABS,INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 200000216-016

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3507.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. Date Analyzed: 02/22/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DP-06

Lab Name: H2M LABS,INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 200000216-017

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3508.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. Date Analyzed: 02/22/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 10

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 000611-14-3	Benzene, 1-ethyl-2-methyl-	7.39	6	JN
2.	C3-Substitute Benzene	7.81	6	J
3.	C4-Substitute Benzene	8.00	4	J
4.	C4-Substitute Benzene	8.05	4	J
5.	C4-Substitute Benzene	8.09	8	J
6.	C4-Substitute Benzene	8.21	4	J
7.	C4-Substitute Benzene	8.49	6	J
8.	unknown aromatic	8.52	8	J
9. 000119-64-2	Naphthalene, 1,2,3,4-tetrahydro-	8.63	9	JN
10. 000091-20-3	Naphthalene	8.97	9	JN

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DP-07

Lab Name: H2M LABS,INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 200000216-018

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3509.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. Date Analyzed: 02/22/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 6

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 000611-14-3	Benzene, 1-ethyl-2-methyl-	7.39	3	JN
2.	C3-Substitute Benzene	7.80	3	J
3.	C4-Substitute Benzene	8.09	3	J
4.	C4-Substitute Benzene	8.49	3	J
5.	C4-Substitute Benzene	8.51	4	J
6. 000119-64-2	Naphthalene, 1,2,3,4-tetrahydro-	8.63	3	JN

1E

VOLAT'LE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUPLICATE

Lab Name: H2M LABS,INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 200000216-019

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3512.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. Date Analyzed: 02/22/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FB

Lab Name: H2M LABS,INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 200000216-020

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3513.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. Date Analyzed: 02/22/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-1

Lab Name: H2M LABS,INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 20000302-042

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3603.D

Level: (low/med) LOW Date Received: 03/02/00

% Moisture: not dec. Date Analyzed: 03/07/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

S 0113

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-3

Lab Name: H2M LABS,INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 20000302-043

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3604.D

Level: (low/med) LOW Date Received: 03/02/00

% Moisture: not dec. Date Analyzed: 03/07/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB

Lab Name: H2M LABS,INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 200000216-021

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3514.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. Date Analyzed: 02/22/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB-1

Lab Name: H2M LABS,INC Contract: _____

Lab Code: 10478 Case No.: _____ SAS No.: _____ SDG No.: CD+M030

Matrix: (soil/water) WATER Lab Sample ID: 20000302-044;

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3605.D

Level: (low/med) LOW Date Received: 03/02/00

% Moisture: not dec. _____ Date Analyzed: 03/07/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DP-01(28-32')

Lab Name: H2M LABS, INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM-031

Matrix: (soil/water) SOIL Lab Sample ID: 20000216-023

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P14153.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. 5 Date Analyzed: 02/18/00

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

S 0034

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DP-02(0-4')

Lab Name: H2M LABS, INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM-031

Matrix: (soil/water) SOIL Lab Sample ID: 20000216-024

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P14154.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. 8 Date Analyzed: 02/18/00

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 2

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown hydrocarbon	18.72	11	J
2.	unknown hydrocarbon	19.05	15	J

S 0041

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DP-04(14-16')

Lab Name: H2M LABS, INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM-031

Matrix: (soil/water) SOIL Lab Sample ID: 20000216-025

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P14149.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. 4 Date Analyzed: 02/17/00

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

S 0048

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DP-05(16-20')

Lab Name: H2M LABS, INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM-031

Matrix: (soil/water) SOIL Lab Sample ID: 20000216-026

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P14161.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. 4 Date Analyzed: 02/18/00

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

S 0055

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DP-06(20-24')

Lab Name: H2M LABS, INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM-031

Matrix: (soil/water) SOIL Lab Sample ID: 20000216-027

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P14162.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. 3 Date Analyzed: 02/18/00

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

S 0062

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DP-07(12-16')

Lab Name: H2M LABS, INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM-031

Matrix: (soil/water) SOIL Lab Sample ID: 0216-028

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P14163.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. 3 Date Analyzed: 02/18/00

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

S 0069

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUPLICATE

Lab Name: H2M LABS, INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM-031

Matrix: (soil/water) SOIL Lab Sample ID: 20000216-029;

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P14166.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. 4 Date Analyzed: 02/18/00

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

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Lab Name: H2M LABS, INC Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM-031

Matrix: (soil/water) WATER Lab Sample ID: 200000216-022

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F3515.D

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: not dec. Date Analyzed: 02/22/00

GC Column: RTX624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

S 0084

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

cdm030 SAMPLE NO.

DP-01

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0216012

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D06154

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/18/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/23/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALDOL CONDENSATE	3.42	8	~~JA~~ R
2.		UNKNOWN	8.95	3	J
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

cdm030 SAMPLE NO.

DP-02

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0216013

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D06166

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/18/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/23/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: ~~20~~ 14 (3/17/00) CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALDOL CONDENSATE	3.40	11	~~JA~~ B ~~B~~ R
2.	UNKNOWN SILOXANE (*)	4.76	7	~~J~~ R
3.	UNKNOWN BENZENE ISOMER	5.70	5	J
4.	UNKNOWN BENZENE ISOMER	5.76	5	J
5.	UNKNOWN ALKANE,STRAIGHT CHAI	5.80	6	J
6.	C4 SUBST. BENZENE ISOMER	5.99	6	J
7.	C4 SUBST. BENZENE ISOMER	6.09	4	J
8.	UNKNOWN SILOXANE (*)	6.28	5	~~J~~ R
9.	C4 SUBST. BENZENE ISOMER	6.50	6	J
10.	UNKNOWN	6.63	5	J
11.	UNKNOWN ALKANE,STRAIGHT CHAI	6.85	8	J
12.	DIHYDRO-DIMETHYL INDENE ISOM	6.99	4	J
13.	UNKNOWN ALKANE,BRANCHED	7.62	4	J
14.	METHYL-NAPHTHALENE ISOMER	8.31	4	J
15.	UNKNOWN ALKANE,STRAIGHT CHAI	8.99	7	J
16.	DIMETHYL-NAPHTHALENE ISOMER	9.44	4	J
17.	UNKNOWN ALKANE,STRAIGHT CHAI	9.63	4	J
18.	UNKNOWN	9.83	5	J
19.	UNKNOWN ALKANE,STRAIGHT CHAI	10.02	4	J
20.	UNKNOWN ALKANE,CYCLIC	11.81	21	J
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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

cdm030 SAMPLE NO.

DP-03

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0216014

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D06156

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/18/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/23/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

G 3/29/00

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALDOL CONDENSATE	3.41	7	~~JA~~ B R
2.		UNKNOWN	8.96	2	J ~~B~~ B
3.					
4.					
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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

cdm030 SAMPLE NO.

DP-04

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0216015

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D06167

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/18/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/23/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 1

CONCENTRATION UNITS:
-(ug/L or ug/Kg) ug/L

3/25/00

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALDOL CONDENSATE	3.42	7	JA ~~B~~ R
2.					
3.					
4.					
5.					
6.					
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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

cdm030 SAMPLE NO.

DP-05

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0216016

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D06158

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/18/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/23/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

3/28/00

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALDOL CONDENSATE	3.42	7	~~JAB~~ K
2.					
3.					
4.					
5.					
6.					
7.					
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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

cdm030 SAMPLE NO.

DP-06

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0216017

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D06159

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/18/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/23/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

3/28/00

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALDOL CONDENSATE	3.41	9	~~JAB~~ R B
2.	DIETHYLBENZENE ISOMER	5.39	4	J
3.	UNKNOWN	5.45	5	J
4.	UNKNOWN BENZENE ISOMER	5.58	5	J
5.	C4 SUBST. BENZENE ISOMER	5.70	5	J
6.	C4 SUBST. BENZENE ISOMER	6.09	5	J
7.	C4 SUBST. BENZENE ISOMER	6.49	16	J
8.	TETRAHYDRO-NAPHTHALENE ISOME	6.63	9	J
9.	UNKNOWN	7.20	4	J
10. 768-95-6	1-ADAMANTANOL	7.70	5	NJ
11.	UNKNOWN ACID	9.08	5	J
12.	UNKNOWN	9.56	5	J
13.	UNKNOWN ACID	9.63	8	J
14.	UNKNOWN	9.71	3	J
15.	UNKNOWN	9.94	6	J
16.	UNKNOWN	10.07	6	J
17.	UNKNOWN	10.23	5	J
18.	UNKNOWN PAH	10.36	4	J
19.	UNKNOWN	11.48	4	J
20.	UNKNOWN	12.33	4	J
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22.				
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S 0054

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

cdm030 SAMPLE NO.

DP-07

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0216018

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D06160

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/18/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/23/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

3/28/00

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALDOL CONDENSATE	3.01	4	~~JA~~ R
2.	UNKNOWN ALDOL CONDENSATE	3.41	5	~~JA~~ ~~B~~ R
3.	C4 SUBST. BENZENE ISOMER	6.49	7	J
4.	UNKNOWN ACID	9.33	6	J
5.	UNKNOWN ACID	9.62	8	J
6.	UNKNOWN	9.70	5	J
7.	UNKNOWN BENZENE ISOMER	9.82	3	J
8.	UNKNOWN ACID	9.91	2	J
9.	UNKNOWN	9.93	4	J
10.	UNKNOWN	10.05	3	J
11.	UNKNOWN	10.22	3	J
12.	UNKNOWN	10.40	3	J
13.	UNKNOWN	10.75	3	J
14.	UNKNOWN	10.83	2	J
15.	UNKNOWN	10.91	3	J
16.	UNKNOWN	11.14	3	J
17.	UNKNOWN	11.57	3	J
18.	UNKNOWN	11.99	3	J
19.	UNKNOWN ACID	12.17	2	J
20.	UNKNOWN	12.30	2	J
21.				
22.				
23.				
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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

cdm030 SAMPLE NO.

DUPLICATE

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0216019

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D06163

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/18/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/23/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALDOL CONDENSATE	6.04	3	~~JA~~ R
2.					
3.					
4.					
5.					
6.					
7.					
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S 0160

FORM 1

cdm030 SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELDBLK

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM030

Matrix: (soil/water) WATER Lab Sample ID: 0216020

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D06164

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/18/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/23/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

cdm030a SAMPLE NO.

MW-1

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM030A

Matrix: (soil/water) WATER Lab Sample ID: 0302042

Sample wt/vol: 1000 (g/mL) ML Lab File ID: B04640

Level: (low/med) LOW Date Received: 03/02/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted:03/06/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 03/13/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALDOL CONDENSATE	4.54	6	~~JA~~ R
2.		UNKNOWN	10.33	3	J ~~C~~
3.					
4.					
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FORM I SV-TIC

S 0116

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

cdm030a SAMPLE NO.

MW-3

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM030A

Matrix: (soil/water) WATER Lab Sample ID: 0302043

Sample wt/vol: 1000 (g/mL) ML Lab File ID: B04641

Level: (low/med) LOW Date Received: 03/02/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted:03/06/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 03/13/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 13

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALDOL CONDENSATE	4.54	4	~~JA~~ R
2.		UNKNOWN	10.33	3	J
3.		UNKNOWN SILOXANE (*)	16.65	2	J R
4.		UNKNOWN SILOXANE (*)	17.13	8	J
5.		UNKNOWN SILOXANE (*)	17.61	19	J
6.		UNKNOWN SILOXANE (*)	18.13	29	J
7.		UNKNOWN SILOXANE (*)	18.71	36	J
8.		UNKNOWN SILOXANE (*)	19.39	36	J
9.		UNKNOWN SILOXANE (*)	20.19	32	J
10.		UNKNOWN SILOXANE (*)	21.16	29	J
11.		UNKNOWN SILOXANE (*)	22.35	22	J
12.		UNKNOWN SILOXANE (*)	23.81	17	J
13.		UNKNOWN SILOXANE (*)	25.63	11	J
14.					
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* interfered with GC/MS analysis after acid preservation

FORM I SV-TIC

S 0124

FORM 1

cdm031 SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DP-01 28-32

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM031

Matrix: (soil/water) SOIL Lab Sample ID: 0216023

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D06178

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: 5 decanted: (Y/N) N Date Extracted: 02/18/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 02/25/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALDOL CONDENSATE	3.40	5900	JAB K
2.					
3.					
4.					
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3/2/00

FORM 1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

cdm031 SAMPLE NO.

DP-02 0-4

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM031

Matrix: (soil/water) SOIL Lab Sample ID: 0216024

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D06179

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: 8 decanted: (Y/N) N Date Extracted:02/18/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 02/25/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0

Number TICs found: ~~16~~ 7 3/2/00

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALDOL CONDENSATE	3.40	5800	~~JA~~ R
2.		UNKNOWN ALKANE,BRANCHED	7.62	540	J
3.		UKNOWN ALKANE, STRAIGHT CHAI	8.11	290	J
4.		UKNOWN ALKANE, CYCLIC	8.68	180	J
5.		UNKNOWN ALKANE,BRANCHED	8.74	650	J
6.		UKNOWN ALKANE, STRAIGHT CHAI	8.98	210	J
7.		UNKNOWN ALKANE,BRANCHED	9.02	180	J
8.		UNKNOWN ALKANE,BRANCHED	9.09	180	J
9.		UNKNOWN ALKANE,BRANCHED	9.63	860	J
10.		UNKNOWN ALKANE,BRANCHED	9.82	160	J
11.		UKNOWN ALKANE, STRAIGHT CHAI	10.01	480	J
12.		UKNOWN ALKANE, STRAIGHT CHAI	11.01	400	J
13.		UKNOWN ALKANE, STRAIGHT CHAI	11.47	410	J
14.		UKNOWN ALKANE, STRAIGHT CHAI	11.95	180	J
15.		UNKNOWN ALKANE,BRANCHED	12.00	410	J
16.		UNKNOWN	18.53	140	J
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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

cdm031 SAMPLE NO.

DP-04 14-16

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM031

Matrix: (soil/water) SOIL Lab Sample ID: 0216025

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D06180

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: 4 decanted: (Y/N) N Date Extracted: 02/18/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 02/25/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALDOL CONDENSATE	3.41	5700	JAB ~~R~~
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FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

cdm031 SAMPLE NO.

DP-05 16-20

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM031

Matrix: (soil/water) SOIL Lab Sample ID: 0216026

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D06181

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: 4 decanted: (Y/N) N Date Extracted:02/18/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 02/25/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALDOL CONDENSATE	3.41	5700	~~JA~~ J R
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mvd 3/22/02

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

cdm031 SAMPLE NO.

DP-06 20-24

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM031

Matrix: (soil/water) SOIL Lab Sample ID: 0216027

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D06182

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: 4 decanted: (Y/N) N Date Extracted:02/18/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 02/25/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALDOL CONDENSATE	3.41	5900	~~JAB~~ R
2.		UNKNOWN	21.44	150	J
3.					
4.					
5.					
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Qual 3/22/00

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

cdm031 SAMPLE NO.

DP-07 12-16

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM031

Matrix: (soil/water) SOIL Lab Sample ID: 0216028

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D06183

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: 3 decanted: (Y/N) N Date Extracted: 02/18/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 02/25/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALDOL CONDENSATE	3.40	6200	~~JAB~~ R
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3/22/00

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

cdm031 SAMPLE NO.

DUPLICATE

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM031

Matrix: (soil/water) SOIL Lab Sample ID: 0216029

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D06186

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: 4 decanted: (Y/N) N Date Extracted:02/18/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 02/26/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALDOL CONDENSATE	3.41	6200	~~JAB~~ R
2.					
3.					
4.					
5.					
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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

cdm031 SAMPLE NO.

FIELDBLANK

Lab Name: H2M LABS INC. Contract:

Lab Code: 10478 Case No.: SAS No.: SDG No.: CDM031

Matrix: (soil/water) WATER Lab Sample ID: 0216022

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D06165

Level: (low/med) LOW Date Received: 02/15/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/18/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/23/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
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Date	Document	To	From	Contents [1]
10-18-82	Correspondence	Councilman Parson	A. Santino SCDHS	Testing found one 10,000 gallon tank leaking at Montauk Caribbean Airways.
02-01-83	Tank Registration Form	SCDHS	----	List of tanks and locations at East Hampton Aire.
03-24-86	Tank Test	A. Santino SCDHS	G & M Dege, Inc.	Tank test, all three tanks passed.
03-21-90	Consent Order	EHA	SCDHS	Order on Consent No. TS-90-0830. Order states: 1. All storage facilities brought into compliance with SCDHS sanitary codes and obtain a permit for each tank. 2. All tanks shall be tightness tested or removed. 3. If any tank fails the tightness test, it shall be emptied immediately.
02-21-92	Lab Results	----	KBF, Inc.	----
03-03-93	Correspondence	Tony Bullock Supervisor Town Of East Hampton	A. Santino SCDHS	EHA discontinued its operation and abandoned its facilities, ownership now with the Town.
03-08-93	Correspondence	A. Santino SCDHS	Tony Bullock Supervisor Town Of East Hampton	Matter of EHA under litigation, ownership not clear.
01-14-94	Tank Test	SCDHS	G & M Dege, Inc.	Tank test of 2,000 gallon tank passed.
03-30-94	Consent Order	EHA	NYSDEC	Order on Consent No. W1-0671-93-12. Order scope of work, IRM: 1. Septic tank and dry wells shall be pumped and cleaned. 2. Contaminated areas underneath the AST and drum storage area will be remediated. PSA: 1. Monitoring wells (2 or 3) will be installed. 2. One round of water samples will be collected.

Table 1
East Hampton Aire Summary Of Selected Public Records Files

Date	Document	To	From	Contents [1]
07-07-94	Contract	NYSDEC	Porcello Engineering, Inc.	Contract for consulting services entailing sampling and removal of sludge and soil, monitoring well installation, analysis of water samples and PSA report.
04-27-95	Correspondence	Robert Marino NYSDEC	County Clerk SC	Reclassification of EHA due to several drums of chlorinated solvents abandoned on-site and some of the drums leaking their content onto the ground.
06-01-95	Correspondence	George Sweikert NYSDEC	Porcello Engineering, Inc.	Report discussing clean up procedures performed at EHA.
06-06-95	Lab Results	NYSDOH File	----	Lab results from EHA.
08-28-95	Correspondence	Cynthia Shea TOEH	Robert Seyforth SCDHS	Lab results from 2 leaching pools show concentrations indicative of unpermitted discharge of industrial waste.
12-18-96	Report	Mike O'Toole NYSDEC	Porcello Engineering, Inc.	Report on PSA and IRM done at EHA.
03-03-97	Memorandum	Chris LaFermina NYSDEC	David Harrington NYSDEC	Comments to Porcello Engineering report.
07-24-97	Correspondence	David Harrington NYSDEC	Robert Seyforth SCDHS	Copies of SCDHS site sketches, sample results and inspection notes from EHA.
10-21-99	Tank List	SCDHS	----	Tank list from EHA.

NOTE:

[1] - This section provides a brief summary of the contents of each selected document. The reader is advised to thoroughly examine the complete document and/or file for complete evaluation, interpretation and intent of said document and/or file.

FILE SOURCE: Suffolk County Department of Health Services, Hauppauge, New York
New York State Department of Environmental Conservation, Stony Brook, New York

Table 1

East Hampton Aire Summary Of Selected Public Records Files

List of References

Reference Number	Description
1	Correspondence From: Robert Seyfarth Of: Office of Pollution Control Suffolk County Department of Health Services To: Dave Harrington Of: Environmental Remediation NYSDEC Note: Maps, Observations, Interviews and Data Included
2	Correspondence From: Michael Veraldi Of: KBF Pollution Management, Inc. To: Dan Hirschberger Of: American Environmental Assessment, Corp. Note: Data and Invoice Included
2 A	Correspondence From: Keith Heffelfinger Of: Porcello Engineering, Inc. To: George Sweikert Of: NYSDEC Note: Maps, Receipts and Data Included
3	Correspondence From: Robert Seyfarth Of: Office of Pollution Control Suffolk County Department of Health Services To: Stephen Sellinger Of: Eastern Field Unit, NYSDEC
4	Correspondence From: Robert Seyfarth Of: Investigation Services Bureau Suffolk County Department of Health Services To: Cynthia Ahlgren Shea Of: Town Attorney Town of East Hampton Note: Inspectors Observations, Interviews, and Laboratory Results Included
5	EDR Sanborn Map Report. Completed 6/22/00.
6	Suffolk County Department of Health Services. Toxic Liquid Storage Registration Form
6 A	East Hampton Aire Tank Listing as of 10-21-99.
7	Correspondences Regarding East Hampton Aire.
8	Correspondence From: Kevin F. Loyst Kevin J. Phillips, P.E., Ph.D. Of: Fanning, Phillips and Molnar Engineers and Geohydrologists To: Bureau of Hazardous Materials Management Of: Suffolk County Department of Health Services Note: Data and Schematics are Included
9	G & M Dege, Inc., Gasoline Pumps & Gas Station Equipment. Data Chart for Tank System Tightness Test.

Reference Number	Description
10	Correspondence From: Alexander M. Santino, P.E. Of: Office of Pollution Control Department of Health Services To: Tony Bullock Of: Town of East Hampton Note: Data, Memo, and Schematic Included
11	Correspondence From: D. C. Gobbi, R.S. Of: Investigation Services Bureau Suffolk County Department of Health Services To: Jack Roddy Of: Hull & Roddy, Inc.
12	EDR-Radius Map with GeoCheck. East Hampton Aire, June 21, 2000.
13	Map and Site Locations.
13 A	Suffolk County Comprehensive Water Resources Management Plan. Prepared by Dvirka and Bartilucci and Malcolm Pirnie Inc.
14	OECA Scope of the CERCLA Petroleum Exclusion.
15	Water Table Contour Map, East Hampton Aire.
16	Suffolk County Comprehensive Water Resources Management Plan. Prepared by Dvirka and Bartilucci and Malcolm Pirnie Inc.
17	Suffolk County Department of Planning. Map and Population Survey.
18	NYSDEC, Telephone Interview with Mr. Spitz, 2-15-00. Contact Person was Bill Kwitnicki, YEC Inc.
19	Northeast Regional Climate Center, Research Series, September 1993. Atlas of Precipitation Extremes for the Northeastern United States and Canada.
20	Soil Survey of Suffolk County Provided by the United States Department of Agriculture, Soil Conservation Service.
21	Georgica Pond Water Management Issues Report.
22	U.S. Fish and Wildlife Service Generated Map and Wetland Data.

Reference 1

Correspondence

From: Robert Seyfarth
Of: Office of Pollution Control
Suffolk County Department of Health Services

To: Dave Harrington
Of: Environmental Remediation
NYSDEC

Note: Maps, Observations, Interviews and Data Included

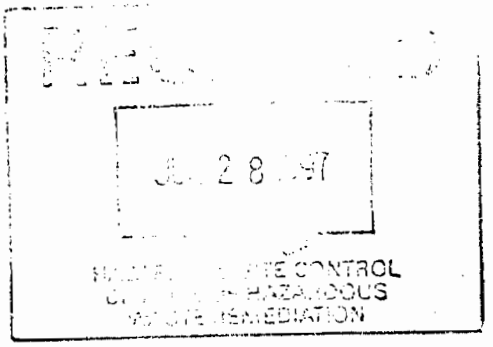
COUNTY OF SUFFOLK

ROBERT J. GAFFNEY
SUFFOLK COUNTY EXECUTIVE

DEPARTMENT OF HEALTH SERVICES

MARY E. HIBBERD, M.D., M.P.H.
COMMISSIONER

July 24, 1997



Dave Harrington
Environmental Remediation
NYS DEC
50 Wolf Road
Albany, New York 12233-7010

RE: East Hampton Aire

Dear Mr. Harrington:

As you requested, I am enclosing copies of site sketches, sample results, correspondence and inspection notes for the above referenced site. At this time, it appears that the leaching pools associated with the floor drain systems in the hangar, as well as the original sanitary system, have been adequately cleaned to protect the groundwater supply.

The area near the "concrete footings" to the north of the hangar, where elevated levels of Methylene Chloride were detected in the consultant's "endpoint" samples, has never been addressed. As we discussed, there are also questions concerning the placement of the groundwater monitoring wells and groundwater flow direction calculated in Porcello Engineering's "Report Package".

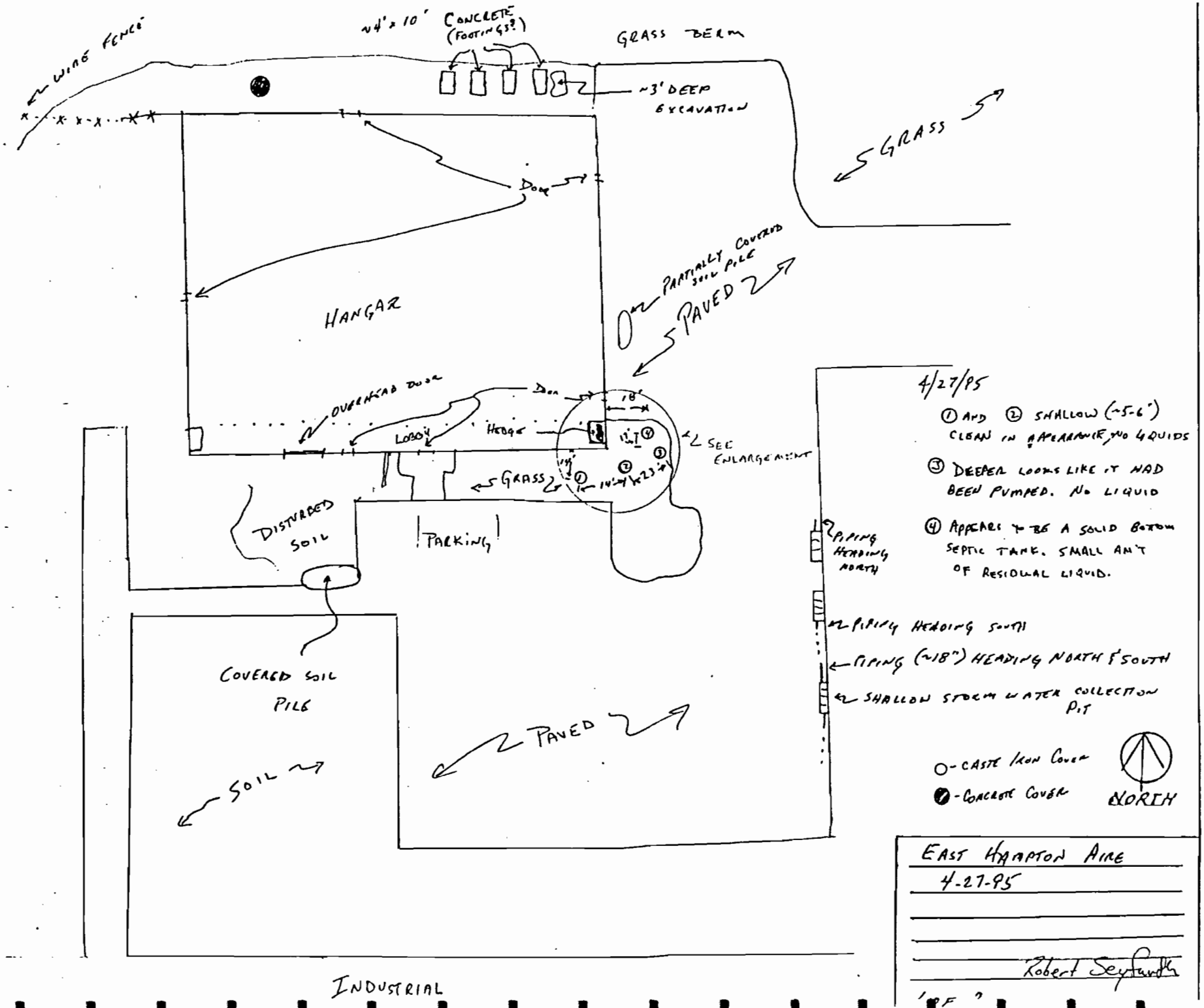
If you need any additional information or assistance, please feel free to contact me at (516) 854-2504.

Sincerely,

Robert Seyfarth
Associate Public Health Sanitarian
Office of Pollution Control

cc: D. Gobbi

15 HORSEBLOCK PLACE ■ FARMINGVILLE, NEW YORK 11738-1220 ■ (516) 854-25
FAX# 854-2505


WIRE FENCE
~4' x 10' CONCRETE (FOOTINGS?)
GRASS BERM
~3' DEEP EXCAVATION
GRASS
DOOR
HANGAR
PARTIALLY COVERED SOIL PILE
PAVED
OVERHEAD DOOR
DOOR
18'
LOBBY
HEDGE
SEE ENLARGEMENT
GRASS
DISTURBED SOIL
PARKING
PIPING HEADING NORTH
4/27/95
① AND ② SHALLOW (~5-6') CLEAN IN APPEARANCE, NO LIQUIDS
③ DEEPER LOOKS LIKE IT HAD BEEN PUMPED. NO LIQUID
④ APPEARS TO BE A SOLID BOTTOM SEPTIC TANK. SMALL AM'T OF RESIDUAL LIQUID.
PIPING HEADING SOUTH
PIPING (~18") HEADING NORTH & SOUTH
SHALLOW STORM WATER COLLECTION PIT
COVERED SOIL PILE
PAVED
SOIL
O - CASTE IRON COVER
● - CONCRETE COVER
NORTH
INDUSTRIAL
EAST HAMPTON AIRE
4-27-95
Robert Seyfarth

SUFFOLK COUNTY
DEP'T OF
HEALTH SERVICES

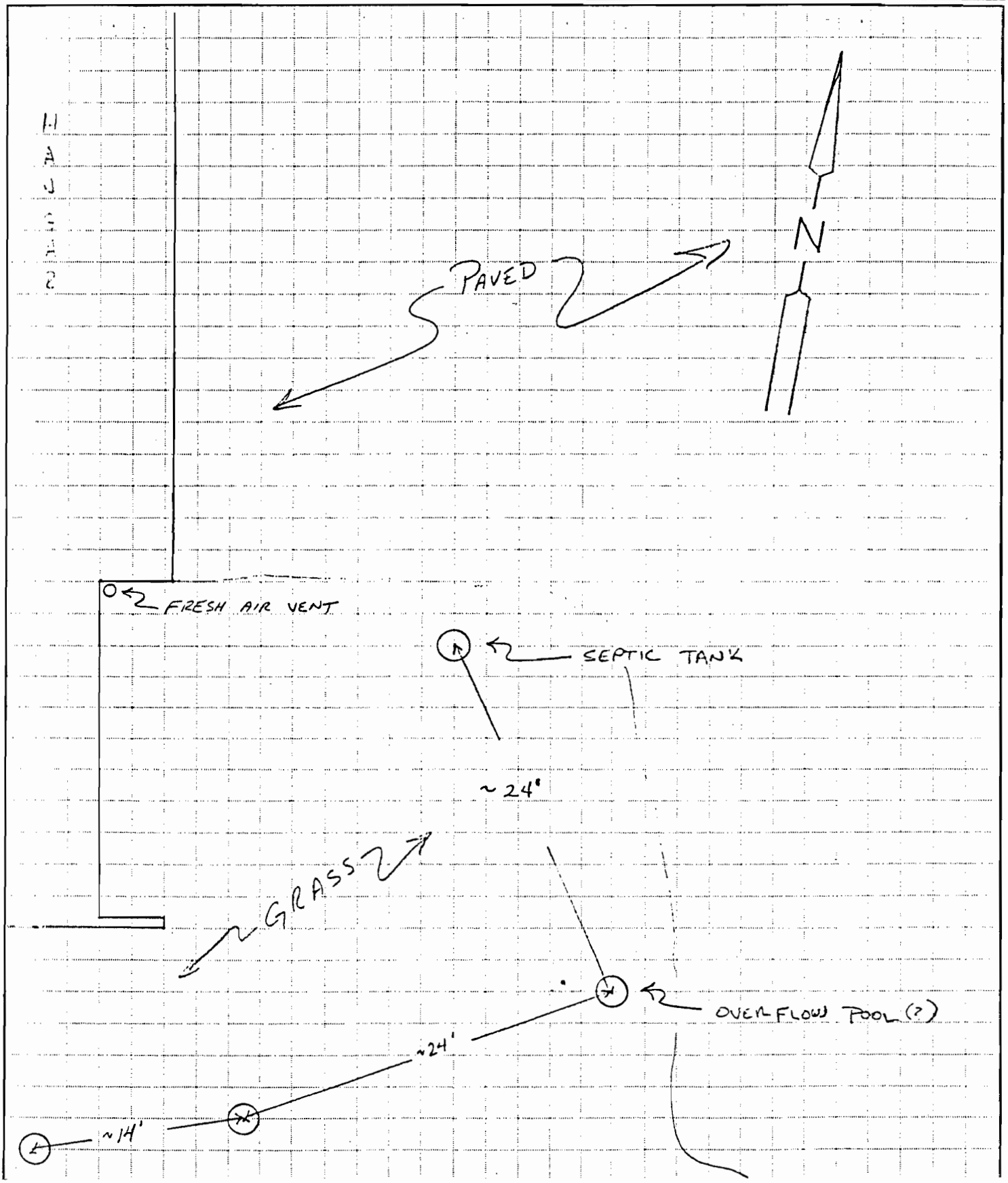
JOB EAST HAMPTON AIR

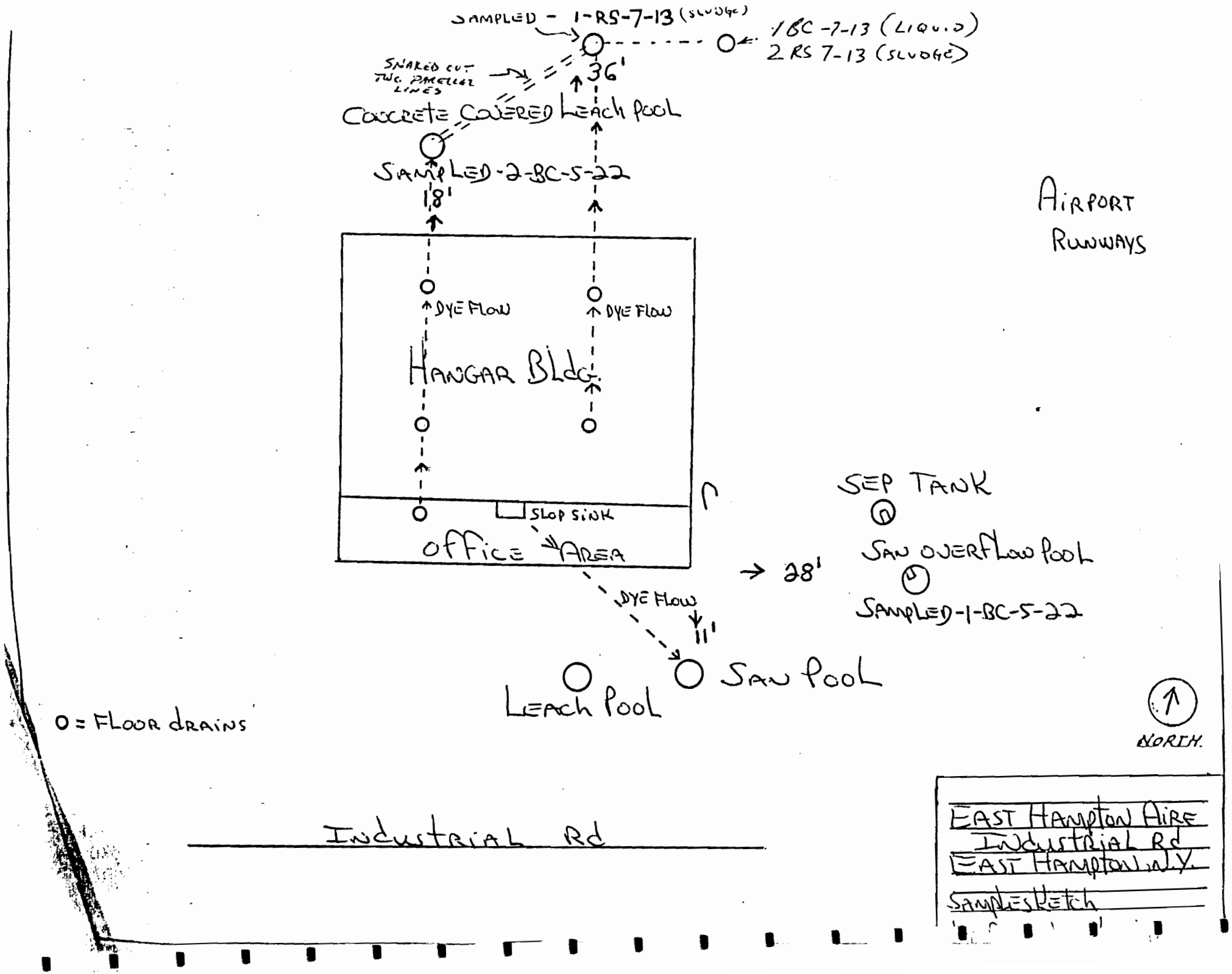
SHEET NO. 2 OF 2

CALCULATED BY SEYFARTH DATE 4-27-95

CHECKED BY _____ DATE _____

SCALE 1/4" ~ 2'




SAMPLED - 1-RS-7-13 (SLUDGE)
1BC-7-13 (LIQUID)
2 RS 7-13 (SLUDGE)
SNAKED CUT TWO PARALLEL LINES
36'
CONCRETE COVERED LEACH POOL
SAMPLED-2-BC-5-22
18'
AIRPORT RUNWAYS
DYE FLOW
DYE FLOW
HANGAR BLDG.
SLOP SINK
OFFICE AREA
SEP TANK
SAN OVERFLOW POOL
SAMPLED-1-BC-5-22
28'
DYE FLOW
11'
SAN POOL
LEACH POOL
O = FLOOR DRAINS
NORTH
INDUSTRIAL RD
EAST HAMPTON AIRE
INDUSTRIAL RD
EAST HAMPTON, N.Y.
SAMPLE SKETCH

CONTINUED: INSPECTORS OBSERVATIONS OR INTERVIEWS

EAST HAMPTON AIRE
Industrial Rd.
EAST HAMPTON, N.Y.

5/22/95 AM

SECURED Samples - 1-2-BC-5-22, soils, for ORG. & MET. from two LEACH pools. Pools dry. See Sketch. The pools appeared to have been cleaned out, along with an ACT. Sep. tank, which was piped to one of the pools, See Sketch. Soil sampled had no off colors. Samples with assist from B. Seyfarth.

B. Cook

7/13/95 AM

Met with B. Seyfarth & Reps of EAST HAMPTON TOWN. Dye tested ALL INTERIOR FLOOR DRAINS & SECURED SAMPLES 1-2-RS-7-13 & 1-BC-7-13, from two EXPOSED INDUSTRIAL LEACH pools. See Sketch. Samples taken for ORG., METAL & TCLP. The SLUDGE of 1-RS-7-13, was DARK BLACK & had PETROL. ODOR. The SLUDGE of 2-RS-7-13, was SLIGHTLY DARK in COLOR. The LIQ. 1-BC-7-13, had SLIGHT GREEN, RED COLOR, possibly due to our dyes.

B. Cook

PUBLIC & ENVIRONMENTAL HEALTH LABORATORY
NYSDOH LAB ID. NUMBER 10528
E. Curcio, P.H. San.

ORGANIC & FLASHPOINT ANALYSIS OF INDUSTRIAL & HAZARDOUS MATERIALS

I.D. No. IW-595101
Field No. 1BC 522

Date Completed 6-5-
EPA Method 8260/1010/

Name East Hampton Aire — overflow soil

Remarks SANITARY POOL "END POINT" SAMPLE

* Indicates TCLP Compounds

Compound	ppb	Compound	ppb
[] Purgeable Halocarbons1		Acetone	<500
Chlorodifluoromethane		*Methyl ethyl ketone	<500
Dichlorodifluoromethane		Methyl isobutyl ketone	<500
Trichlorofluoromethane		tert-Butyl methyl ether	
*Vinyl Chloride		*Benzene	—
Chloromethane		Toluene	
Bromomethane		*Chlorobenzene	
Chloroethane		Ethylbenzene	
		Xylene(s)	
[] Purgeable Halocarbons2/Aromatics		Styrene	
*1,1-Dichloroethene		Isopropylbenzene	
Methylene Chloride		Bromobenzene	
Freon 113	<100	Chlorotoluene(s)	<100
trans-1,2-Dichloroethene		n-Propylbenzene	
1,1-Dichloroethane		p-Ethyltoluene	
cis-1,2-Dichloroethene		1,3,5-Trimethylbenzene	
Bromochloromethane	<100	tert-Butylbenzene	
*Chloroform		1,2,4-Trimethylbenzene	
2,2-Dichloropropane		1,3-Dichlorobenzene	
1,2-Dichloroethane		*1,4-Dichlorobenzene	<100
1,1,1-Trichloroethane		sec-Butylbenzene	
1,1-Dichloropropene		p-Isopropyltoluene	
*Carbon Tetrachloride		*1,2-Dichlorobenzene	
Dibromomethane		n-Butylbenzene	
1,2-Dichloropropane		p-Diethylbenzene	
Bromodichloromethane		1,2,4,5-Tetramethylbenzene	
*Trichloroethene		1,2,4-Trichlorobenzene	
cis-1,3-Dichloropropene		Naphthalene	
trans-1,3-Dichloropropene	<100	1,2,3-Trichlorobenzene	
1,1,2-Trichloroethane			
1,3-Dichloropropane		[] Miscellaneous	
Dibromochloromethane		Vinyl acetate	
1,2-Dibromoethane		2-Chloroethyl vinyl ether	
*Tetrachloroethene			
1,1,1,2-Tetrachloroethane	<100		
Bromoform			
1,1,2,2-Tetrachloroethane			
1,2,3-Trichloropropane			
1,2-Dibromo-3-chloropropane	<100		
*Hexachlorobutadiene			

RESULTS ARE <40ppb FOR PURGEABLE HALOCARBONS 2/AROMATICS — EXCEPT WHERE NOTED.

Analyst SJA

[] Flash Point
Pensky-Martens Closed Cup Flash Point _____ °C= _____ °F

Analyst _____

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES
CENTER FOR FORENSIC SCIENCES
PUBLIC & ENVIRONMENTAL HEALTH LABORATORY
NYSDOH LAB ID. NUMBER 10528
ORGANIC & FLASHPOINT ANALYSIS OF INDUSTRIAL & HAZARDOUS MATERIALS

Date AUG 15 1995
Received from Lab
E. Curcio, P.H. San.

Lab. No. IW- 795092
Field No. IRS 7-13

Date Completed 7-31-95
EPA Method 8260/1010/
L.P.-Soil

Name East Hampton Aire

Remarks EAST FLOOR DRAIN SYSTEM LEACHING POOL

* Indicates TCLP Compounds

Compound	ppb	Compound	ppb
[] Purgeable Halocarbons1		Acetone	<1300
Chlorodifluoromethane		*Methyl ethyl ketone	<1300
Dichlorodifluoromethane		Methyl isobutyl ketone	<1300
Trichlorofluoromethane		tert-Butyl methyl ether	
*Vinyl Chloride		*Benzene	
Chloromethane		Toluene	
Bromomethane		*Chlorobenzene	
Chloroethane		Ethylbenzene	110
		Xylene(s)	790
[X] Purgeable Halocarbons2/Aromatics		Styrene	
*1,1-Dichloroethene		Isopropylbenzene	—
Methylene Chloride		Bromobenzene	—
Freon 113		Chlorotoluene(s)	—
trans-1,2-Dichloroethene		n-Propylbenzene	740
1,1-Dichloroethane		p-Ethyltoluene	2400
cis-1,2-Dichloroethene		1,3,5-Trimethylbenzene	3700
Bromochloromethane		tert-Butylbenzene	—
*Chloroform	—	1,2,4-Trimethylbenzene	5000
2,2-Dichloropropane		1,3-Dichlorobenzene	—
1,2-Dichloroethane		*1,4-Dichlorobenzene	—
1,1,1-Trichloroethane		sec-Butylbenzene	1200
1,1-Dichloropropene		p-Isopropyltoluene	
*Carbon Tetrachloride		*1,2-Dichlorobenzene	—
Dibromomethane	<250	n-Butylbenzene	—
1,2-Dichloropropane		p-Diethylbenzene	—
Bromodichloromethane	<250	1,2,4,5-Tetramethylbenzene	27000
*Trichloroethene		1,2,4-Trichlorobenzene	—
cis-1,3-Dichloropropene	<250	Naphthalene	3500
trans-1,3-Dichloropropene	<250	1,2,3-Trichlorobenzene	—
1,1,2-Trichloroethane	<250		
1,3-Dichloropropane		[] Miscellaneous	
Dibromochloromethane	<250	Vinyl acetate	
1,2-Dibromoethane	<250	2-Chloroethyl vinyl ether	
*Tetrachloroethene			
1,1,1,2-Tetrachloroethane		RESULTS ARE <100ppb FOR PURGEABLE HALOCARBONS 2/AROMATICS — EXCEPT WHERE NOTED.	
Bromoform	<250		
1,1,2,2-Tetrachloroethane		GC/MS ANALYSIS INDICATES THE PRESENCE OF HYDROCARBONS SIMILAR TO THOSE FOUND IN A PETROLEUM DISTILLATE.	
1,2,3-Trichloropropane			
1,2-Dibromo-3-chloropropane	—		
*Hexachlorobutadiene	—	Analyst	SMO

[] Flash Point
Pensky-Martens Closed Cup Flash Point _____ °C= _____ °F

Analyst

SUFFOLK COUNTY DEPARTMENT OF HEALTH
DIVISION OF MEDICAL LEGAL INVESTIGATIONS & FORENSIC SCIENCES
PUBLIC & ENVIRONMENTAL HEALTH LABORATORY

Date AUG 15 1995
Received from Lab
E. Curcio, P.H. San.

FIELD NO. IRS7-13 LAB NO. IW 755042

DATE COMPLETED 8/11/95 LH

NAME OF FIRM East Hampton Airc.

REMARKS/INSTRUCTIONS (soil)

TEST	RESULT		TEST	RESULT MG/L		TEST	RESULT MG/L
pH (Field)			C.O.D.			Nickel	<10.
pH (Lab)			Cyanide			Palladium	—
TEST	RESULT		Phenols			Potassium	160.
	MG/LITER	X	METALS	µgm/gm	(ppm)	»Selenium	<10.
Chloride			Aluminum	2500.		Silicon	~~<2.~~
Fluoride			Antimony	<10		»Silver	<2.
Sulfate			»Arsenic	<10.		Sodium	170.
Sulfite			»Barium	20.		Strontium	—
Sulfide			Beryllium	<1.		Thallium	<25
MBAS			Boron	—		Tin	—
T.O.C.			»Cadmium	10.		Titanium	—
Total P			Calcium	540.		Vanadium	<10.
Nitrate-N			»Chromium	10.		Zinc	120.
Nitrite-N			Cobalt	<10.		Cr^{+6}	
Ammonia-N			Copper	50.		EP Toxicity	(»)
TKN			Iron	4300.	X	TCLP	(»)
Total Solids			»Lead	160.		Arsenic	<5.0
Susp. Solids			Magnesium	360.		Barium	<100.
Diss. Solids			Manganese	20.		Cadmium	<1.0
Oil & Grease			Molybdenum	75.		Chromium	<5.0

EP Toxicity and TCLP include all metals marked with »

Lead	<5.0
Selenium	<1.0
Silver	<5.0

,52

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES
CENTER FOR FORENSIC SCIENCES
PUBLIC & ENVIRONMENTAL HEALTH LABORATORY
NYSDOH LAB ID. NUMBER 10528
ORGANIC & FLASHPOINT ANALYSIS OF INDUSTRIAL & HAZARDOUS MATERIALS

Date AUG 15 1995
Received from Lab
E. Curcio, P.H. San.
Results Satisfactory

Lab. No. IW- 795041
Field No. 1BC 7-13

Date Completed 7/18/95
EPA Method (8260)/1010/

Name East Hampton Aire C.P.

Remarks OVERFLOW POOL FROM FLOOR DRAIN SYSTEM

* Indicates TCLP Compounds

Compound	ppb	Compound	ppb
[] Purgeable Halocarbons1		Acetone	<500
Chlorodifluoromethane		*Methyl ethyl ketone	<500
Dichlorodifluoromethane		Methyl isobutyl ketone	<500
Trichlorofluoromethane		tert-Butyl methyl ether	
*Vinyl Chloride		*Benzene	
Chloromethane		Toluene	
Bromomethane		*Chlorobenzene	
Chloroethane		Ethylbenzene	
		Xylene(s)	
[] Purgeable Halocarbons2/Aromatics		Styrene	
*1,1-Dichloroethene		Isopropylbenzene	
Methylene Chloride		Bromobenzene	
Freon 113		Chlorotoluene(s)	
trans-1,2-Dichloroethene		n-Propylbenzene	
1,1-Dichloroethane		p-Ethyltoluene	
cis-1,2-Dichloroethene		1,3,5-Trimethylbenzene	
Bromochloromethane	<100	tert-Butylbenzene	
*Chloroform		1,2,4-Trimethylbenzene	
2,2-Dichloropropane	<100	1,3-Dichlorobenzene	
1,2-Dichloroethane		*1,4-Dichlorobenzene	
1,1,1-Trichloroethane		sec-Butylbenzene	
1,1-Dichloropropene		p-Isopropyltoluene	
*Carbon Tetrachloride		*1,2-Dichlorobenzene	
Dibromomethane		n-Butylbenzene	
1,2-Dichloropropane		p-Diethylbenzene	
Bromodichloromethane		1,2,4,5-Tetramethylbenzene	
*Trichloroethene		1,2,4-Trichlorobenzene	
cis-1,3-Dichloropropene		Naphthalene	
trans-1,3-Dichloropropene	<100	1,2,3-Trichlorobenzene	<100
1,1,2-Trichloroethane			
1,3-Dichloropropane		[] Miscellaneous	
Dibromochloromethane		Vinyl acetate	
1,2-Dibromoethane		2-Chloroethyl vinyl ether	
*Tetrachloroethene			
1,1,1,2-Tetrachloroethane			
Bromoform			
1,1,2,2-Tetrachloroethane			
1,2,3-Trichloropropane			
1,2-Dibromo-3-chloropropane	<100		
*Hexachlorobutadiene			

RESULTS ARE <40ppb FOR PURGEABLE HALOCARBONS 2/AROMATICS EXCEPT WHERE NOTED.

Analyst

[] Flash Point
Pensky-Martens Closed Cup Flash Point_____°C=_____°F

Analyst

Reference 2

Correspondence

From: Michael Veraldi
Of: KBF Pollution Management, Inc.

To: Dan Hirschberger
Of: American Environmental Assessment, Corp.

Note: Data and Invoice Included

KBF®

KBF POLLUTION MANAGEMENT, INC.

1110-A FARMINGDALE ROAD, NORTH LINDENHURST, NEW YORK 11757-1024

PHONE (516) 225-0007 · 1 (800) 366-1426 FAX (516) 225-0048

152156

February 21, 1992

Mr. Dan Hirschberger
American Environmental Assessment, Corp.
56 Toledo Street
Farmingdale, New York 11735

Re: Analytical Report (East Hampton Airline)

Dear Mr. Hirschberger:

KBF is pleased to submit the analysis conducted on your samples 774 1-5 taken by your facility and received by KBF on February 17, 1992.

Also enclosed is the invoice for the above mentioned samples.

If you have any questions or require further information, please call at your convenience.

BEST REGARDS
KBF POLLUTION MANAGEMENT INC.
ENVIROMENTAL ANALYTICAL LABORATORY

Michael Veraldi

MICHAEL VERALDI
LABORATORY DIRECTOR

MV/js
cc file

KBF POLLUTION MANAGEMENT, INC.
1110 FARMINGDALE ROAD, NORTH LINDENHURST NEW YORK 11757-1024
PHONE (516)225-0007 - (800)366-1456 - FAX (516)225-0048

February 21, 1992

Client Sample ID: *see below*
Lab Sample ID: *774.-1,2,3,4,5*
Sample Matrix: *Soil*

Date Received: *February 17, 1992*
Date Analyzed: *February 21, 1992*
Client Sample ID: *KBF ID #286*

ANALYTICAL DATA

Client Sample ID#	Parameter	Result mg/kg
Dry Well #1	*TPHC*	*1,220*
Dry Well #2	*TPHC*	*10,200*
Dry Well #3	*TPHC*	*19,100*
Sample #4	*TPHC*	*12,900*
Sample#5	*TPHC*	*2,660*

CERTIFIED BY: Michael Veraldi

MICHAEL VERALDI
LABORATORY DIRECTOR

MV/js

KBF POLLUTION MANAGEMENT, INC.
1110 FARMINGDALE ROAD, NORTH LINDENHURST NEW YORK 11757-1024
PHONE (516)225-0007 - (800)366-1456 - FAX (516)225-0048

February 21, 1992

Client Sample ID:	*Dry Well #1*	**Date Received:**	*February 17, 1992*
Lab Sample ID:	*774-1*	**Date Digested:**	*2/18,2/21/92*
Sample Matrix:	*Soil*	**Date Analyzed:**	*2/19, 1/21/92*
		Customer ID#:	*KBF ID #286*

ANALYTICAL DATA FOR METAL DIGESTION

Metal	Chemical Symbol	Concentration mg/kg
Arsenic	As	<0.05
Silver	Ag	<0.05
Barium	Ba	8.00
Cadmium	Cd	<0.05
Chromium	Cr	10.0
Copper	Cu	97.5
Iron	Fe	1530.
Lead	Pb	32.5
Manganese	Mn	5.50
Mercury	Hg	<0.020
Nickel	Ni	3.00
Selenium	Se	<0.05
Zinc	Zn	231.

CERTIFIED BY: Michael Veraldi
MICHAEL VERALDI
LABORATORY DIRECTOR

KBF POLLUTION MANAGEMENT, INC.
1110 FARMINGDALE ROAD, NORTH LINDENHURST NEW YORK 11757-1024
PHONE (516)225-0007 - (800)366-1456 - FAX (516)225-0048

Client Sample ID:	*Dry Well #1*	**Date Received:**	*February 17, 1992*
Lab Sample ID:	*774-1*	**Date Analyzed:**	*February 20, 1992*
Sample Matrix:	*Soil*	**Customer ID:**	*KBF ID# 286*

PRIORITY POLLUTANT ANALYSIS EPA METHOD 8240/624 VOLATILES

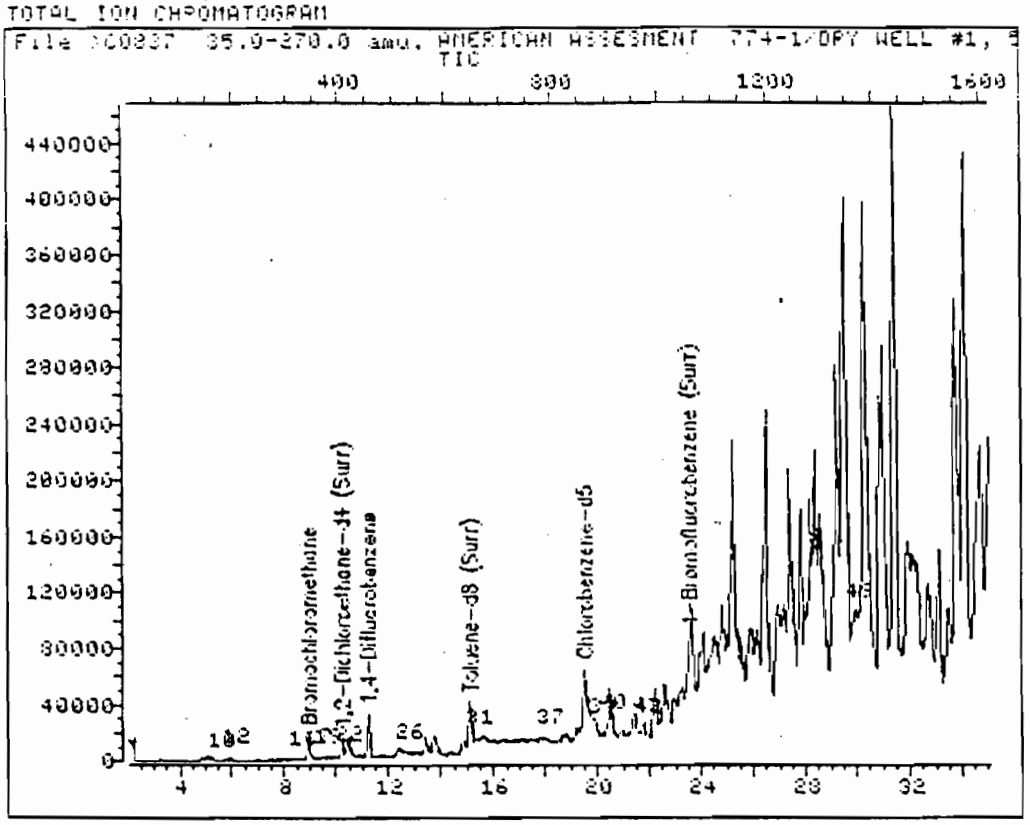
DILUTION FACTOR 1.3

CAS #	PARAMETER	ug/kg	
67-64-1	Acetone	<13.0	
78-93-3	2-Butanone	<13.0	
71-43-2	Benzene	<6.5	
75-27-4	Bromodichloromethane	<6.5	
75-25-2	Bromoform	<6.5	
74-83-9	Bromomethane	<13.0	
75-15-0	Carbon Disulfide	<6.5	
56-23-5	Carbon Tetrachloride	<6.5	
108-90-7	Chlorobenzene	<6.5	
75-00-3	Chloroethane	<13.0	
110-75-8	2-Chloroethylvinyl ether	<13.0	
67-66-3	Chloroform	<6.5	
74-87-3	Chloromethane	<13.0	
124-48-1	Dibromochloromethane	<6.5	
95-50-1	1,2-Dichlorobenzene	<13.0	
541-73-1	1,3-Dichlorobenzene	<13.0	
106-46-7	1,4-Dichlorobenzene	<13.0	
75-34-3	1,1-Dichloroethene	<6.5	
107-06-2	1,2-Dichloroethane	<6.5	
75-35-4	1,1-Dichloroethane	<6.5	
156-60-5	trans-1,2-Dichloroethene	<6.5	
78-87-5	1,2-Dichloropropane	<6.5	
10061-01-5	cis-1,3-Dichloropropane	<6.5	
10061-02-6	trans-1,3-Dichloropropane	<6.5	
100-41-4	Ethylbenzene	<6.5	
591-78-6	2-Hexanone	<13.0	
108-10-1	4-Methyl-2-Pentanone	<13.0	
75-09-2	Methylene Chloride	7.76	B in blank
100-42-5	Styrene	<6.5	
79-34-5	1,1,2,2-Tetrachloroethane	<6.5	
127-18-4	Tetrachloroethene	<6.5	
108-88-3	Toluene	4.51	J less than detection l.
71-55-6	1,1,1-Trichloroethane	<6.5	
79-00-5	1,1,2-Trichloroethane	<6.5	
79-01-6	Trichloroethene	<6.5	
75-69-4	Trichlorofluoromethane	<6.5	
108-05-4	Vinyl Acetate	<13.0	
75-01-4	Vinyl Chloride	<13.0	
	Total Xylenes	30.8	

CERTIFIED BY: Michael Veraldi

MICHAEL VERALDI LABORATORY DIRECTOR

TOTAL ION CHROMATOGRAM



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Name: AMERICAN ASSESMENT Instrument ID: MSD #2
Misc: 774-1/DRY WELL #1, 5g/5ml, REC'D 2/17/92

Id File: VOAID::QT
Title: EPA 624 - VOLATILE ORGANICS
Last Calibration: 911203 15:21 Last Qcal Time: 920220 09:06

Operator ID: TOM
Quant Time : 920220 16:31
Injected at: 920220 15:55

KBF POLLUTION MANAGEMENT, INC.
1110 FARMINGDALE ROAD, NORTH LINDENHURST NEW YORK 11757-1024
PHONE (516)225-0007 - (800)366-1456 - FAX (516)225-0048

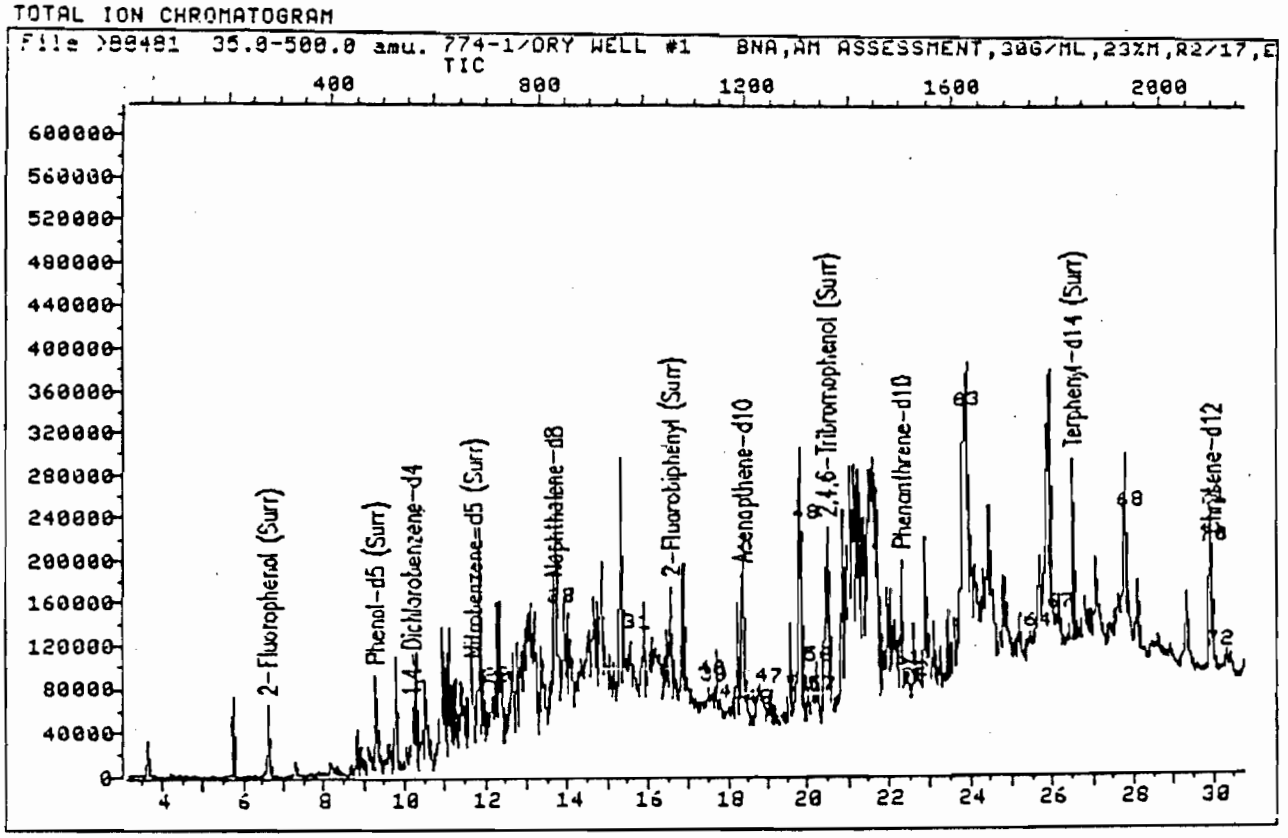
February 21, 1992

Client Sample ID:	*Dry Well #1*	**Date Received:**	*February 17, 1992*
Lab Sample ID:	*774-1*	**Date Extracted:**	*February 18, 1992*
Sample Matrix:	*Soil*	**Date Analyzed:**	*February 20, 1992*
		Customer ID:	*KBF ID# 286*

EPA METHOD 8270 BNA-SEMI VOLATILES DILUTION FACTOR 43.3

CAS#	PARAMETER	ug/kg /PPB
110-86-1	Pyridine	<433.
108-95-2	Phenol	<433.
62-53-3	Aniline	<433.
111-44-4	bis(2-Chloroethyl)ether	<433.
95-57-8	2-Chlorophenol	<433.
541-73-1	1,3-Dichlorobenzene	<433.
106-46-7	1,4-Dichlorobenzene	<433.
100-51-6	Benzyl Alcohol	<433.
95-50-1	1,2 Dichlorobenzene	<433.
95-48-7	2-Methylphenol	<433.
39638-32-9	bis(2-Chloroisopropyl)ether	<433.
106-44-5	4-Methylphenol	<433.
621-64-7	N-Nitroso-di-n-propylamine	<433.
67-72-1	Hexachloroethane	<433.
98-95-3	Nitrobenzene	<433.
78-59-1	Isophorone	<433.
88-75-5	2-Nitrophenol	<433.
105-67-9	2,4-Dimethylphenol	<433.
65-85-0	Benzoic Acid	<2,165.
111-91-1	bis(2-Chloroethoxy)methane	<433.
120-83-2	2,4-Dichlorophenol	<433.
120-82-1	1,2,4-Trichlorobenzene	<433.
91-20-3	Naphthalene	1,100.
106-47-8	4-Chloroaniline	<433.
87-68-3	Hexochlorobutadiene	<433.
59-50-7	4-Chloro-3-methylphenol	<433.
91-57-6	2-Methylnaphthalene	570.
77-47-4	Hexachlorocyclopentadiene	<433.
88-06-2	2,4,6-Trichlorophenol	<433.
95-95-4	2,4,5-Trichlorophenol	<2,165.
91-58-7	2-Chloronaphthalene	<433.
88-74-4	2-Nitroaniline	<2,165.
131-11-3	Dimethylphthalate*	<433.
606-20-2	2,6-Dinitrotoluene	<433.
208-96-8	Acenaphthylene	<433.
99-09--2	3-Nitroaniline	<2,165.
83-32-9	Acenaphthene	<433.
51-28-5	2,4-Dinitrophenol	<2,165.

TOTAL ION CHROMATOGRAM



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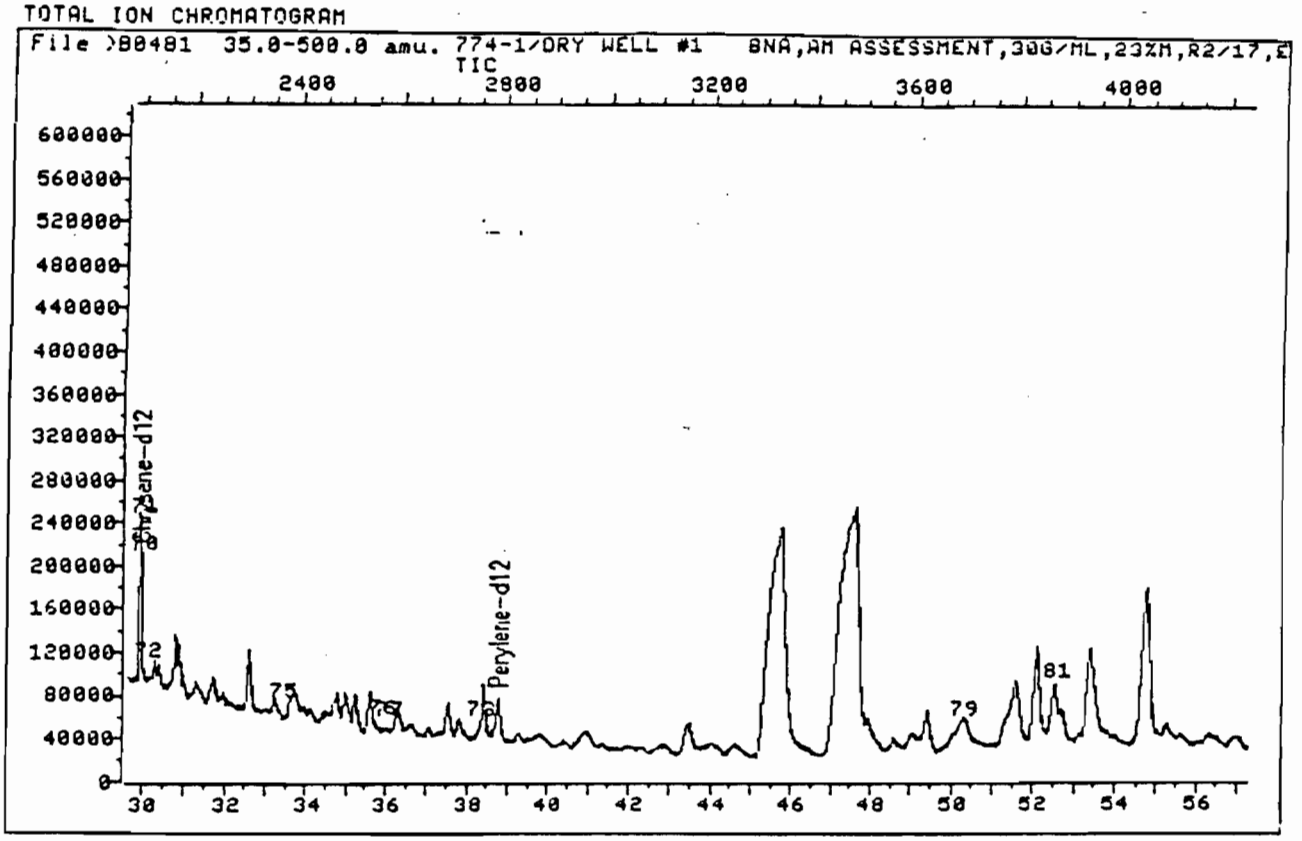
Name: 774-1/DRY WELL #1 Instrument ID: MSD #1
Misc: BNA,AM ASSESSMENT,30G/ML,23%M,R2/17,E2/18,MSD#1 BTL# 4

Id File: BNAID::QT
Title: EPA METHOD 625 - SEMIVOLATILES EXTRACTABLES/BNA
Last Calibration: : Last Qcal Time: 920220 09:14

Operator ID: KBF
Quant Time : 920220 13:12
Injected at: 920220 12:13

TOTAL ION CHROMATOGRAM



Data File: >B0481::D4 Quant Output File: ^B0481::D2
Name: 774-1/DRY WELL #1 Instrument ID: MSD #1
Misc: BNA,AM ASSESSMENT,30G/ML,23%M,R2/17,E2/18,MSD#1 BTL# 4

Id File: BNAID::QT
Title: EPA METHOD 625 - SEMIVOLATILES EXTRACTABLES/BNA
Last Calibration: : Last Qcal Time: 920220 09:14

Operator ID: KBF
Quant Time : 920220 13:12
Injected at: 920220 12:13

KBF POLLUTION MANAGEMENT, INC.
1110 FARMINGDALE ROAD, NORTH LINDENHURST NEW YORK 11757-1024
PHONE (516)225-0007 - (800)366-1456 - FAX (516)225-0048

February 21, 1992

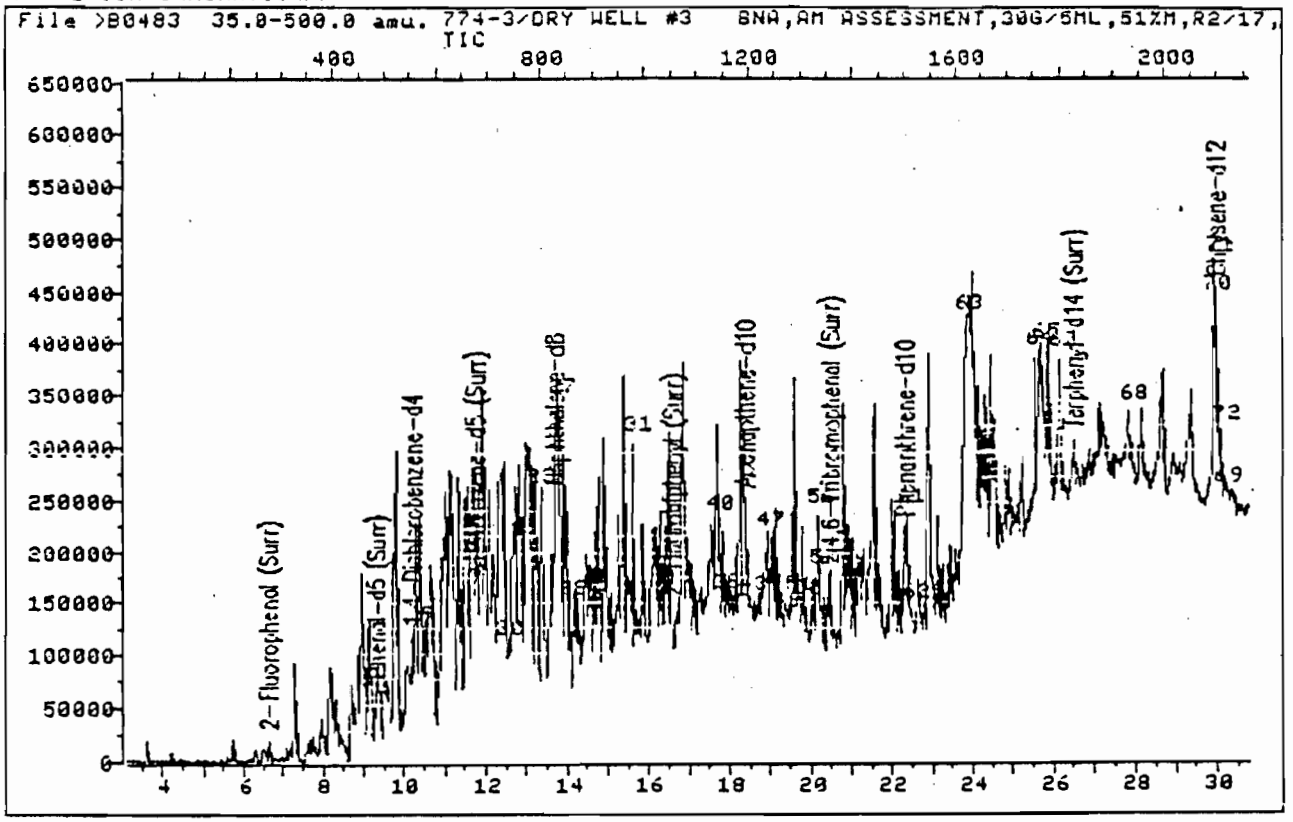
Client Sample ID:	*Dry Well #2*	**Date Received:**	*February 17, 1992*
Lab Sample ID:	*774-2*	**Date Digested:**	*2/18, 2/21/92*
Sample Matrix:	*Soil*	**Date Analyzed:**	*2/19, 1/21/92*
		Customer ID#:	*KBF ID #286*

ANALYTICAL DATA FOR METAL DIGESTION

Metal	Chemical Symbol	Concentration mg/kg PPm
Arsenic	As	<0.05
Silver	Ag	<0.05
Barium	Ba	<1.00
Cadmium	Cd	<0.05
Chromium	Cr	<0.05
Copper	Cu	36.5
Iron	Fe	478.
Lead	Pb	12.5
Manganese	Mn	4.50
Mercury	Hg	<0.020
Nickel	Ni	2.50
Selenium	Se	<0.05
Zinc	Zn	65.5

CERTIFIED BY: Michael Veraldi
MICHAEL VERALDI
LABORATORY DIRECTOR

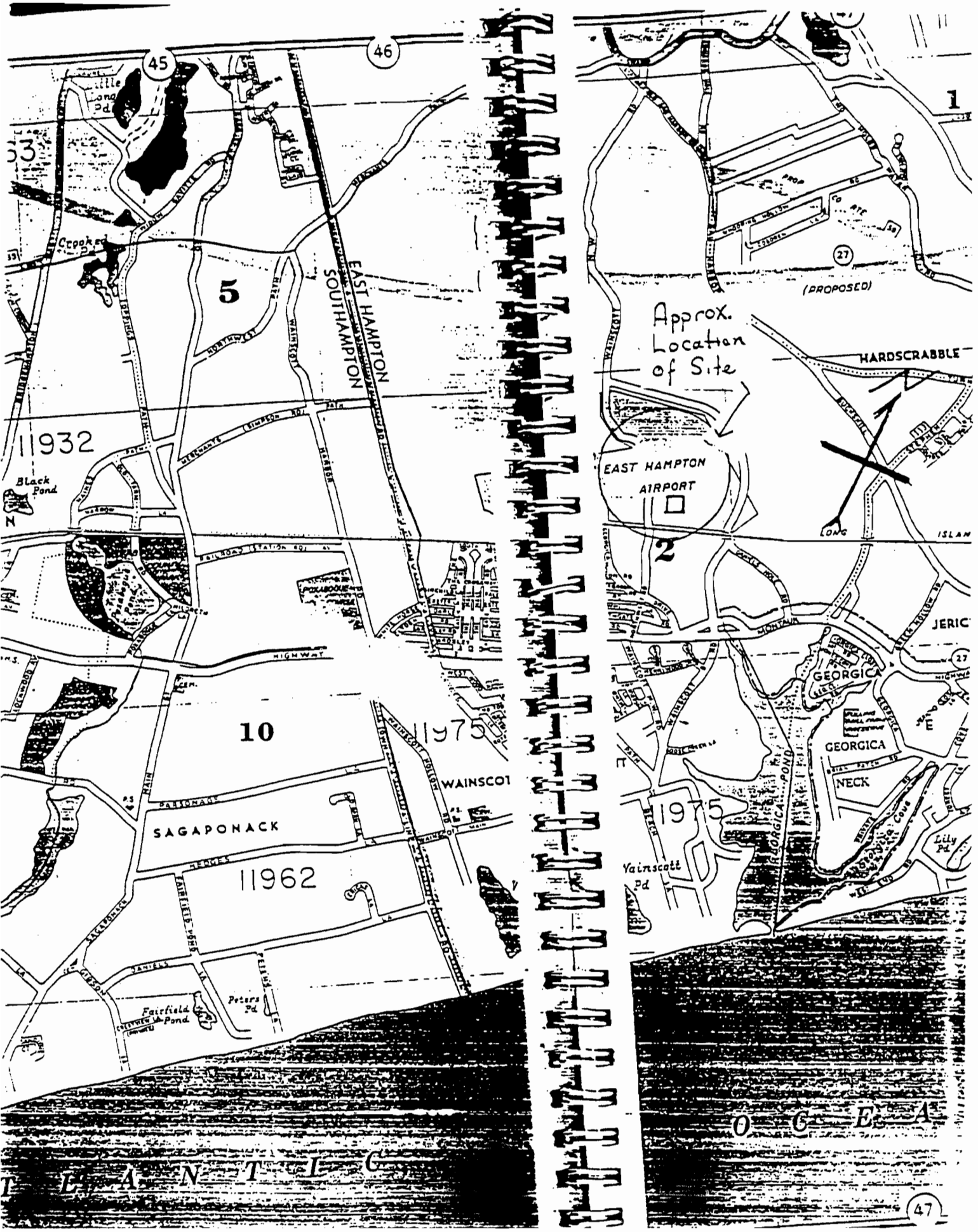
TOTAL ION CHROMATOGRAM

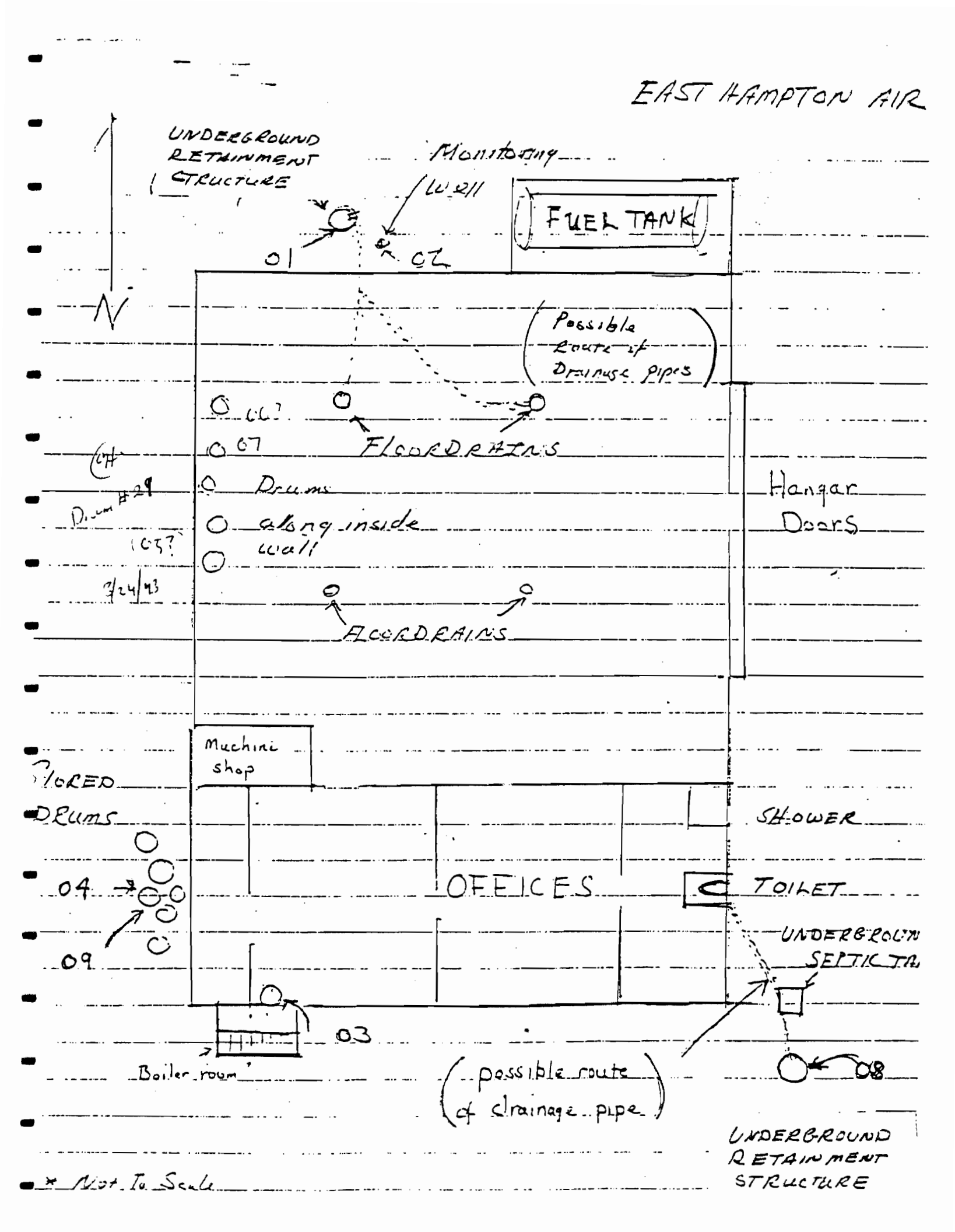


Data File: >B0483::D4 Quant Output File: ^B0483::D2
Name: 774-3/DRY WELL #3 Instrument ID: MSD #1
Misc: BNA,AM ASSESSMENT,30G/5ML,51%M,R2/17,E2/18,MSD#1 BTL# 6

Id File: BNAID::QT
Title: EPA METHOD 625 - SEMIVOLATILES EXTRACTABLES/BNA
Last Calibration: : Last Qcal Time: 920220 09:14

Operator ID: KBF
Quant Time : 920220 15:25
Injected at: 920220 14:26


45
46
Little Long Pd
Crooked Pd
5
EAST HAMPTON
SOUTHAMPTON
11932
Black Pond
10
1975
WAINSCOT
SAGAPONACK
11962
Fairfield Pond
Peters Pd
1
(PROPOSED)
Approx. Location of Site
HARDSCRABBLE
EAST HAMPTON AIRPORT
2
GEORGICA
GEORGICA NECK
GEORGICA POND
1975
Yainscott Pd
Lily Pd
27
47
OCEAN


EAST HAMPTON AIR
UNDERGROUND RETAINMENT STRUCTURE
Monitoring Well
FUEL TANK
01
02
Possible route of Drainage pipes
FLOOR DRAINS
07
Drums along inside wall
Hangar Doors
7/24/93
FLOOR DRAINS
Machine shop
STORED DRUMS
SHOWER
04
OFFICES
TOILET
09
UNDERGROUND SEPTIC TK
03
Boiler room
possible route of drainage pipe
08
UNDERGROUND RETAINMENT STRUCTURE
* Not To Scale

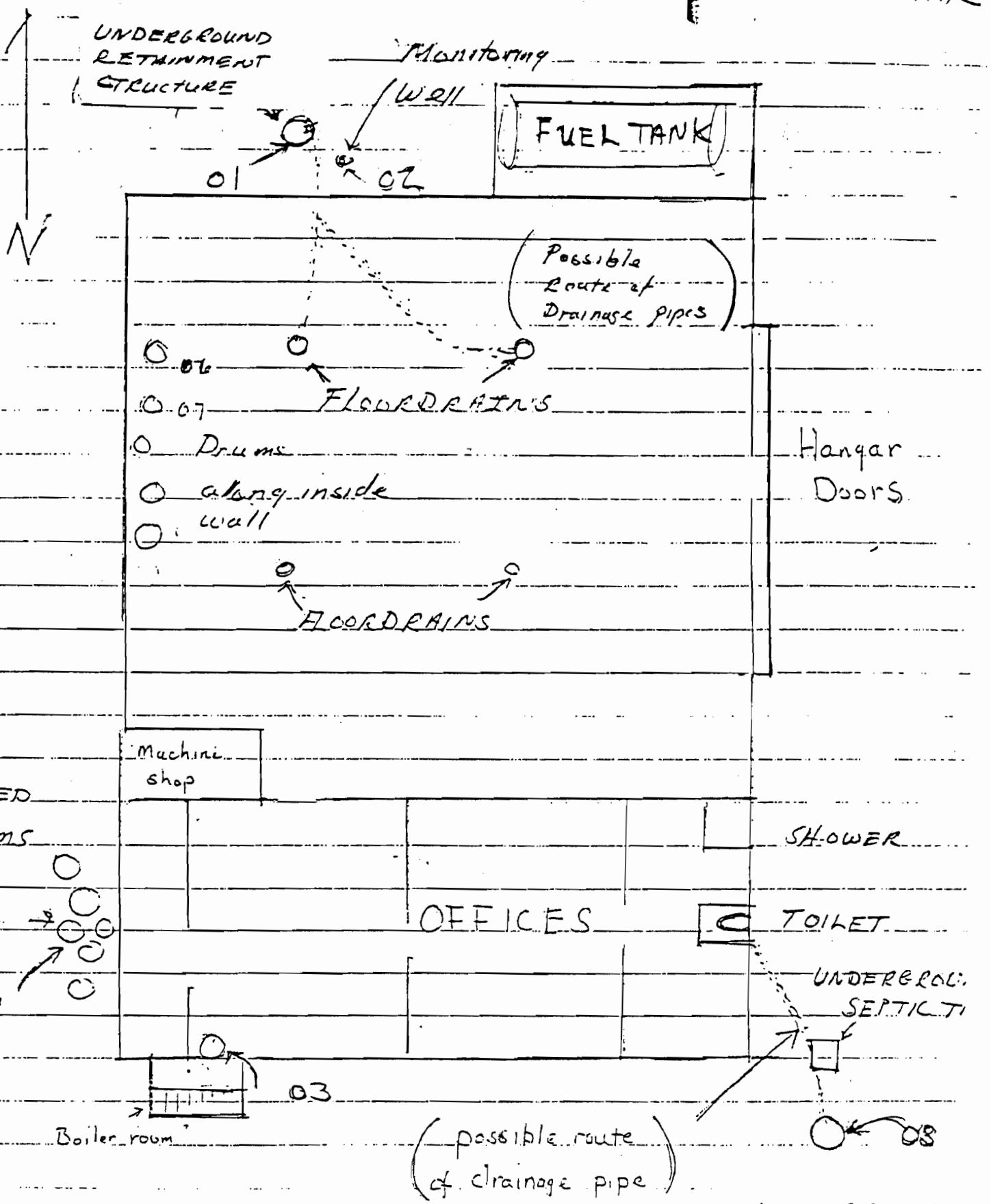
SAMPLE #	LOCATION	ANALYSIS	CONSTITUENT	CONC. (PPB)	DTECTN	COMMENTS
01	N.W. DRYWELL/HOLDING T	SPDES VOA #624 PP METALS SEMI-VOA SPDES #625	METHYLENE CHLORIDE	2.10E+01	B	
			NAPTHALENE	1.90E+02	*	SPDES VIO
			2-METHYLNAPTHALENE	1.10E+02		
			BIS(2-ETHYTLHEXYL)PHTHAL	1.90E+02	*	
			PHENANTHRENE	1.00E+00		
			ARSENIC	1.04E+01		
			CADMIUM	1.73E+02	*	
			CHROMIUM	1.73E+02	*	
			COPPER	1.78E+03	*	
			ZINC	1.66E+03	*	
			MERCURY	4.90E-01		
02	MONITORING WELL	SPDES VOA #624 SEMI-VOA SPDES #625 PP METALS	METHYLENE CHLORIDE	1.20E+02	B*	SPDES VIO
			DI-N-BUTYLPTHALATE	9.00E-01	J	
			ARSENIC	7.90E+00	J	
			CHROMIUM	5.10E+00	J	
			COPPER	1.71E+01	J	
			NICKEL	1.01E+01	J	
			ZINC	3.72E+01		
02	PLASTIC 210 LITER DRUM BOILER ROOM	VOA #8240	METHYLENE CHLORIDE	1.90E+03	BE	
			TOLUENE	1.30E+01	J	
			STYRENE	1.30E+01	J	
03 DL			METHYLENE CHLORIDE	1.30E+03	B	
			ACETONE	4.70E+01	BJ	
			TOLUENE	3.40E+01	J	
03 REP			METHYLENE CHLORIDE	1.50E+03	B	
			ACETONE	5.20E+01	BJ	
			TOLUENE	3.10E+01		
04	55 GALLON DRUM WASTE OUTSIDE	IGNITABILITY VOA #8240				IGNITABLE
			2-BUTANONE	6.20E+05		
			TOLUENE	8.80E+05		
			4-METHYL-2-PETANONE	6.40E+04		
			ETHYLBENZENE	1.20E+05		
			XYLENE	6.40E+05		
			BENZENE	9.20E+03		
05	55 GALLON DRUM-OUTSIDE	VOA #8240	METHYLENE CHLORIDE	1.00E+04	BJ	
			ACETONE	9.50E+03	J	
			2-BUTANONE	1.30E+05		
			TOLUENE	5.10E+05		
			ETHYLBENZENE	7.20E+04		
			XYLENE	2.80E+05		
			4-METHYL-2-PENTANONE	1.20E+04		
06	55-GALLON DRUM- INSIDE	EPTOX VOA #8240	METHYLENE CHLORIDE	2.20E+08	BE	
			CHROMIUM	8.88E+03		EPTONIC
06 DL			METHYLENE CHLORIDE	8.90E+08	B	
07	55 GALLON DRUM INSIDE HIGHLY VISCOUS LIQUID	VOA #8240	METHYLENE CHLORIDE	1.30E+03	B	IGNITABLE
			TOLUENE	7.20E+01		
			4-METHYL-2-PENTANONE	6.50E+02	J	
07RE			METHYLENE CHLORIDE	1.10E+03		
			TOLUENE	1.10E+04		
			4-METHYL-2-PENTANONE	9.00E+02	J	
08	SEDIMENT FROM SANITARY DRYWELL	TCL METALS(SEDIMENT) VOA #8240	ALUMINUM	1.71E+06		
			ARSENIC	1.90E+03	J	
			BARIUM	4.82E+04		
			CADMIUM	1.79E+04		
			CHROMIUM	1.25E+04		
			LEAD	1.95E+05		
			MERCURY	3.00E+03		
			NICKEL	7.60E+03	J	
			CYANIDE	6.10E+03		
09	SEDIMENT NEXT TO DRUMS OUTSIDE	VOA #8240	METHYLENE CHLORIDE	1.30E+01	B	
			ACETONE	2.10E+01	BJ	

* DENOTES VIOLATION OF 6 NYCRRR PART 703.5

J- SUBSTANCE PRESENT BUT FOUND BELOW THE DETECTION LIMIT

B- FOUND IN BLANK

EAST HAMPTON AIR



* Not To Scale

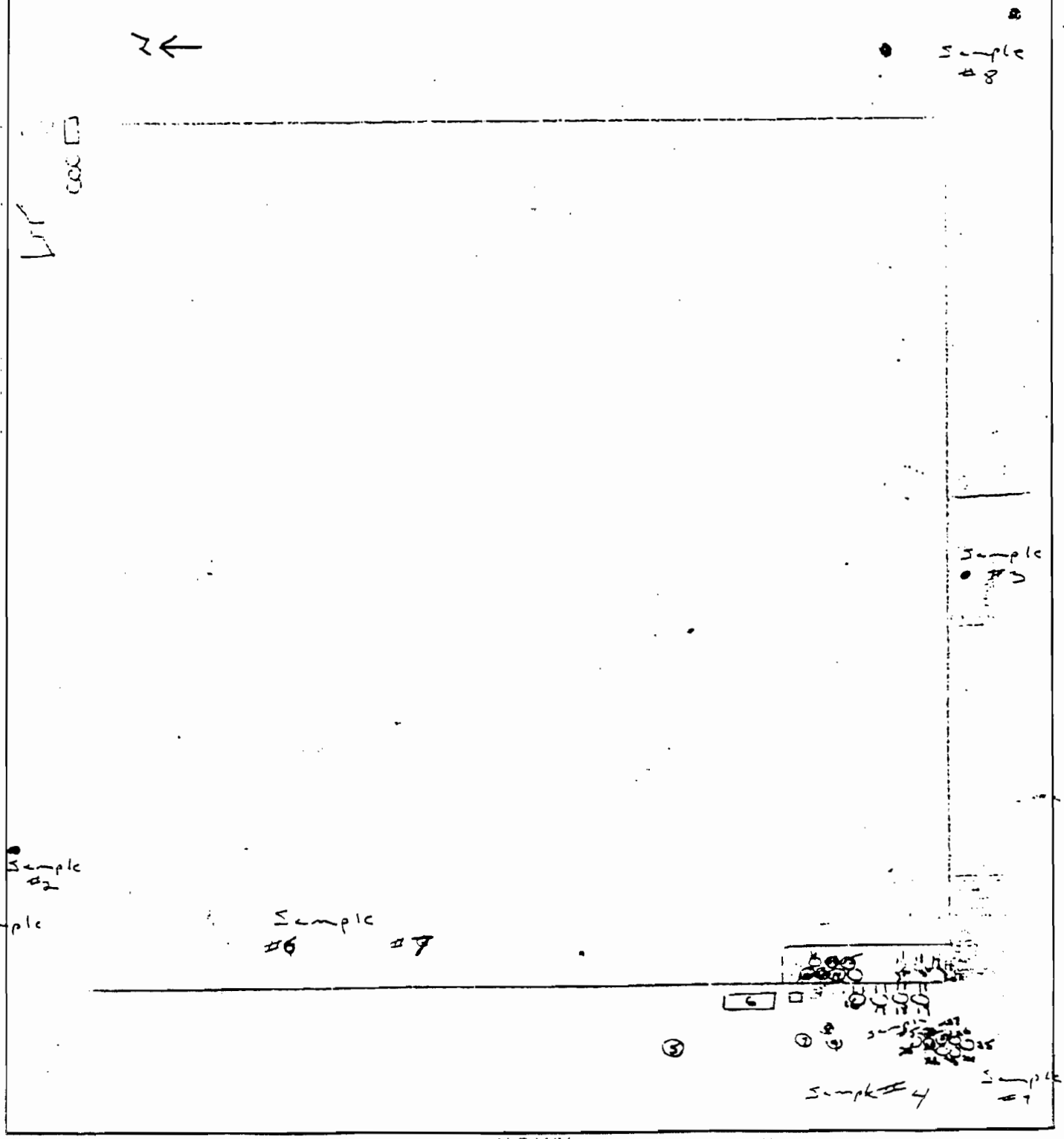
All Locations are approximate

41-15-48 (10/87)—25c NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF LAW ENFORCEMENT

NARRATIVE REPORT

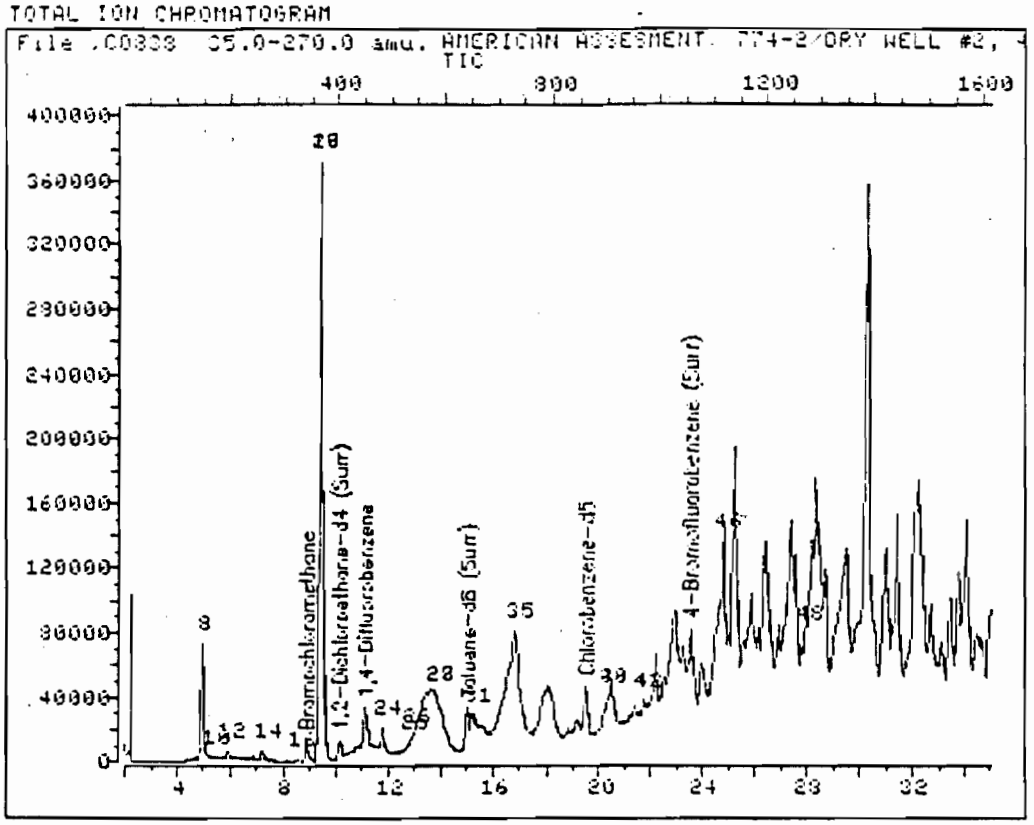
Continuation Sheet
#S—

CASE NUMBER	CASE NAME
ECO/INVESTIGATOR	DATE
SUBJECT/PURPOSE:	



Note Sample #5 = Drum #29 ALBANY Sample #7

TOTAL ION CHROMATOGRAM



Data File: >C0838::D5 Quant Output File: ^C0838::D2
Name: AMERICAN ASSESMENT Instrument ID: MSD #2
Misc: 774-2/DRY WELL #2, 4g/10ml MeOH, 100ul/5ml, REC'D 2/17

Id File: VOAID::QT
Title: EPA 624 - VOLATILE ORGANICS
Last Calibration: 911203 15:21 Last Qcal Time: 920220 09:06

Operator ID: TOM
Quant Time : 920220 17:16
Injected at: 920220 16:40

KBF POLLUTION MANAGEMENT, INC.
1110 FARMINGDALE ROAD, NORTH LINDENHURST NEW YORK 11757-1024
PHONE (516)225-0007 - (800)366-1456 - FAX (516)225-0048

February 21, 1992

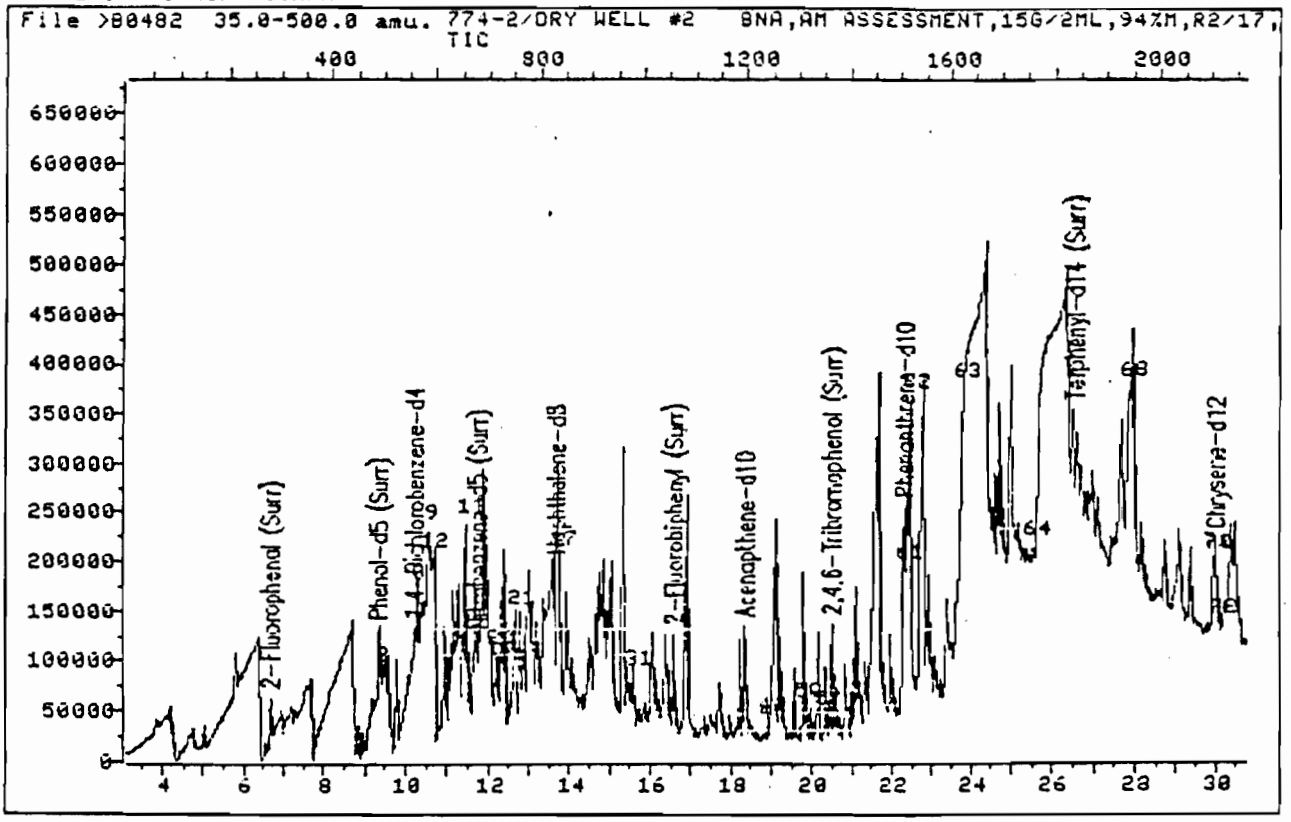
Client Sample ID:	*Dry Well #2*	**Date Received:**	*February 17, 1992*
Lab Sample ID:	*774-2*	**Date Extracted:**	*February 18, 1992*
Sample Matrix:	*Soil*	**Date Analyzed:**	*February 20, 1992*
		Customer ID:	*KBF ID# 286*

EPA METHOD 8270 BNA-SEMI VOLATILES

CAS#	PARAMETER	ug/kg
100-02-7	4-Nitrophenol	<11,110.
121-14-2	2,4-Dinitrotoluene	<2,222.
132-64-9	Dibenzofuran	<2,222.
84-66-2	Diethylphthalate	<2,222.
7005-72-3	4-Chlorophenyl-phenylether	<2,222.
86-73-7	Fluorene	<2,222.
100-01-6	4-Nitroaniline	<11,110.
534-52-1	4,6-Dinitro-2-methylphenol	<11,110.
86-30-6	N-Nitrosodiphenylamine	<2,222.
103-33-3	Azobenzene	<2,222.
101-55-3	4-Bromophenyl-phenylether	<2,222.
118-74-1	Hexachlorobenzene	<2,222.
87-86-5	Pentachlorophenol	<11,110.
85-01-8	Phenanthrene	5,500. J
120-12-7	Anthracene	<2,222.
84-74-2	Di-n-butylphthalate	<2,222.
206-44-0	Fluoranthene	6,800. J
129-00-0	Pyrene	<2,222.
92-87-5	Benzidine	<17,776.
85-68-7	Butylbenzylphthalate	<2,222.
91-94-1	3,3'-Dichlorobenzidine	<2,222.
56-55-3	Benzo(a)anthracene	<2,222.
117-81-7	bis(2-Ethylhexyl)phthalate	46,000.
218-01-9	Chrysene	4,600. J
117-84-0	Di-n-octylphthalate	2,100. J
205-99-2	Benzo(b)fluoranthene	4,800. J
207-08-9	Benzo(k)fluoranthene	<2,222.
50-32-8	Benzo(a)pyrene	<2,222.
193-39-5	Indeno(1,2,3-cd)pyrene	<2,222.
53-70-3	Dibenz(a,h)anthracene	<2,222.
191-24-2	Benzo(g,h,i)perylene	<2,222.

CERTIFIED BY: Michael Veraldi
MICHAEL VERALDI
LABORATORY DIRECTOR

TOTAL ION CHROMATOGRAM



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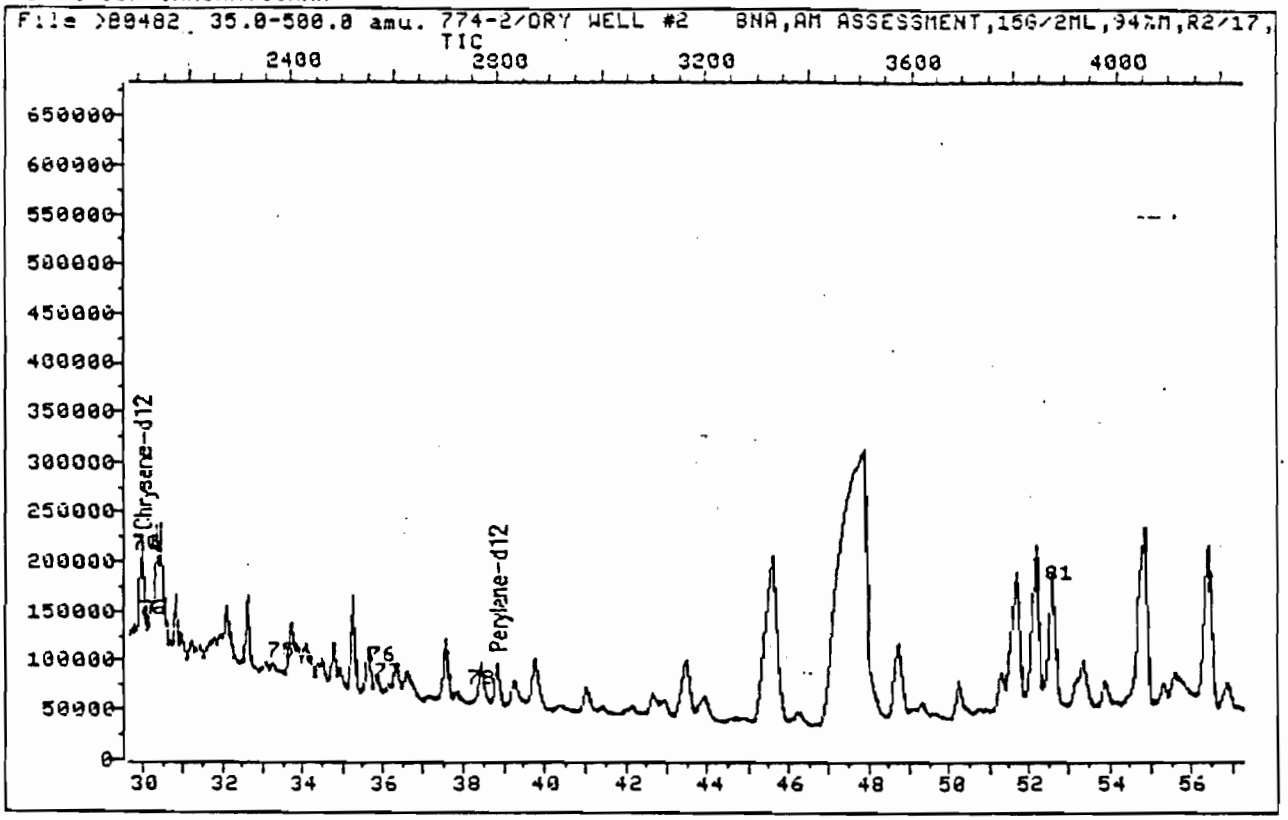
Name: 774-2/DRY WELL #2 Instrument ID: MSD #1
Misc: BNA,AM ASSESSMENT,15G/2ML,94%M,R2/17,E2/18,MSD#1 BTL# 5

Id File: BNAID::QT
Title: EPA METHOD 625 - SEMIVOLATILES EXTRACTABLES/BNA
Last Calibration: : Last Qcal Time: 920220 09:14

Operator ID: KBF
Quant Time : 920220 14:18
Injected at: 920220 13:19

TOTAL ION CHROMATOGRAM



Data File: >B0482::D4 Quant Output File: ^B0482::D2
Name: 774-2/DRY WELL #2 Instrument ID: MSD #1
Misc: BNA,AM ASSESSMENT,15G/2ML,94%M,R2/17,E2/18,MSD#1 BTL# 5

Id File: BNAID::QT
Title: EPA METHOD 625 - SEMIVOLATILES EXTRACTABLES/BNA
Last Calibration: : Last Qcal Time: 920220 09:14

Operator ID: KBF
Quant Time : 920220 14:18
Injected at: 920220 13:19

KBF POLLUTION MANAGEMENT, INC.
1110 FARMINGDALE ROAD, NORTH LINDENHURST NEW YORK 11757-1024
PHONE (516)225-0007 - (800)366-1456 - FAX (516)225-0048

February 21, 1992

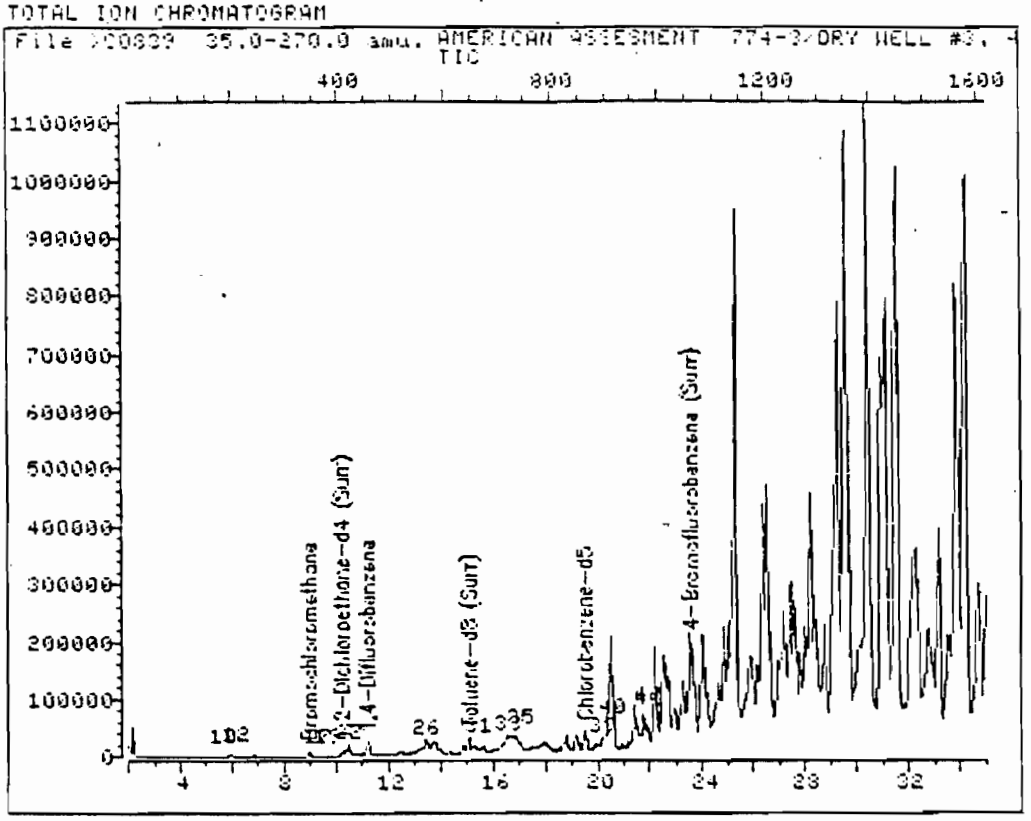
Client Sample ID:	*Dry Well #3*	**Date Received:**	*February 17, 1992*
Lab Sample ID:	*774-3*	**Date Digested:**	*2/18,2/21/92*
Sample Matrix:	*Soil*	**Date Analyzed:**	*2/19, 1/21/92*
		Customer ID#:	*KBF ID #286*

ANALYTICAL DATA FOR METAL DIGESTION

Metal	Chemical Symbol	Concentration mg/kg
Arsenic	As	<0.05
Silver	Ag	2.50
Barium	Ba	40.5
Cadmium	Cd	31.0
Chromium	Cr	29.5
Copper	Cu	189.
Iron	Fe	8500.
Lead	Pb	405. Possibly TCLP
Manganese	Mn	32.5
Mercury	Hg	<0.020
Nickel	Ni	22.5
Selenium	Se	<0.05
Zinc	Zn	1190.

CERTIFIED BY: Michael Veraldi
MICHAEL VERALDI
LABORATORY DIRECTOR

TOTAL ION CHROMATOGRAM

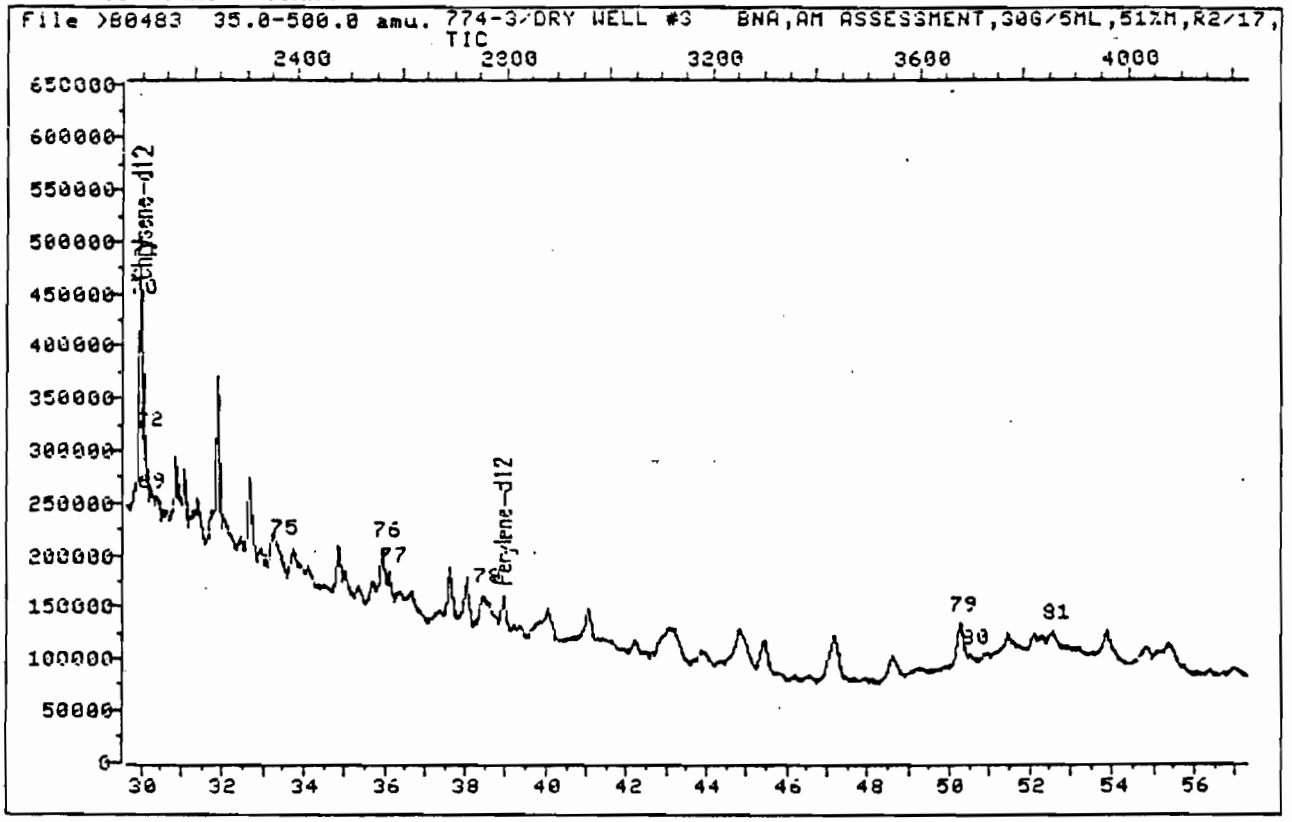


Data File: >C0839::D5 Quant Output File: ^C0839::D2
Name: AMERICAN ASSESMENT Instrument ID: MSD #2
Misc: 774-3/DRY WELL #3, 4g/10ml MeOH, 100ul/5ml, REC'D 2/17

Id File: VOAID::QT
Title: EPA 624 - VOLATILE ORGANICS
Last Calibration: 911203 15:21 Last Qcal Time: 920220 09:06

Operator ID: TOM
Quant Time : 920220 18:01
Injected at: 920220 17:26

TOTAL ION CHROMATOGRAM



Data File: >B0483::D4 Quant Output File: ^B0483::D2
Name: 774-3/DRY WELL #3 Instrument ID: MSD #1
Misc: BNA,AM ASSESSMENT,30G/5ML,51%M,R2/17,E2/18,MSD#1 BTL# 6

Id File: BNAID::QT
Title: EPA METHOD 625 - SEMIVOLATILES EXTRACTABLES/BNA
Last Calibration: : Last Qcal Time: 920220 09:14

Operator ID: KBF
Quant Time : 920220 15:25
Injected at: 920220 14:26

KBF POLLUTION MANAGEMENT, INC.
1110 FARMINGDALE ROAD, NORTH LINDENHURST NEW YORK 11757-1024
PHONE (516)225-0007 - (800)366-1456 - FAX (516)225-0048

February 21, 1992

Client Sample ID:	*Sample #4*	**Date Received:**	*February 17, 1992*
Lab Sample ID:	*774-4*	**Date Digested:**	*2/18,2/21/92*
Sample Matrix:	*Soil*	**Date Analyzed:**	*2/19, 1/21/92*
		Customer ID#:	*KBF ID #286*

ANALYTICAL DATA FOR METAL DIGESTION

Metal	Chemical Symbol	Concentration mg/kg
Arsenic	As	<0.05
Silver	Ag	<0.05
Barium	Ba	2.50
Cadmium	Cd	<0.05
Chromium	Cr	3.50
Copper	Cu	8.00
Iron	Fe	2630.
Lead	Pb	19.5
Manganese	Mn	12.5
Mercury	Hg	<0.020
Nickel	Ni	5.00
Selenium	Se	<0.05
Zinc	Zn	14.5

CERTIFIED BY: Michael Veraldi
MICHAEL VERALDI
LABORATORY DIRECTOR

KBF POLLUTION MANAGEMENT, INC.
1110 FARMINGDALE ROAD, NORTH LINDENHURST NEW YORK 11757-1024
PHONE (516)225-0007 - (800)366-1456 - FAX (516)225-0048

Client Sample ID:	*Sample #4*	**Date Received:**	*February 17, 1992*
Lab Sample ID:	*774-4*	**Date Analyzed:**	*February 20, 1992*
Sample Matrix:	*Soil*	**Customer ID:**	*KBF ID# 286*

PRIORITY POLLUTANT ANALYSIS EPA METHOD 8240/624 VOLATILES

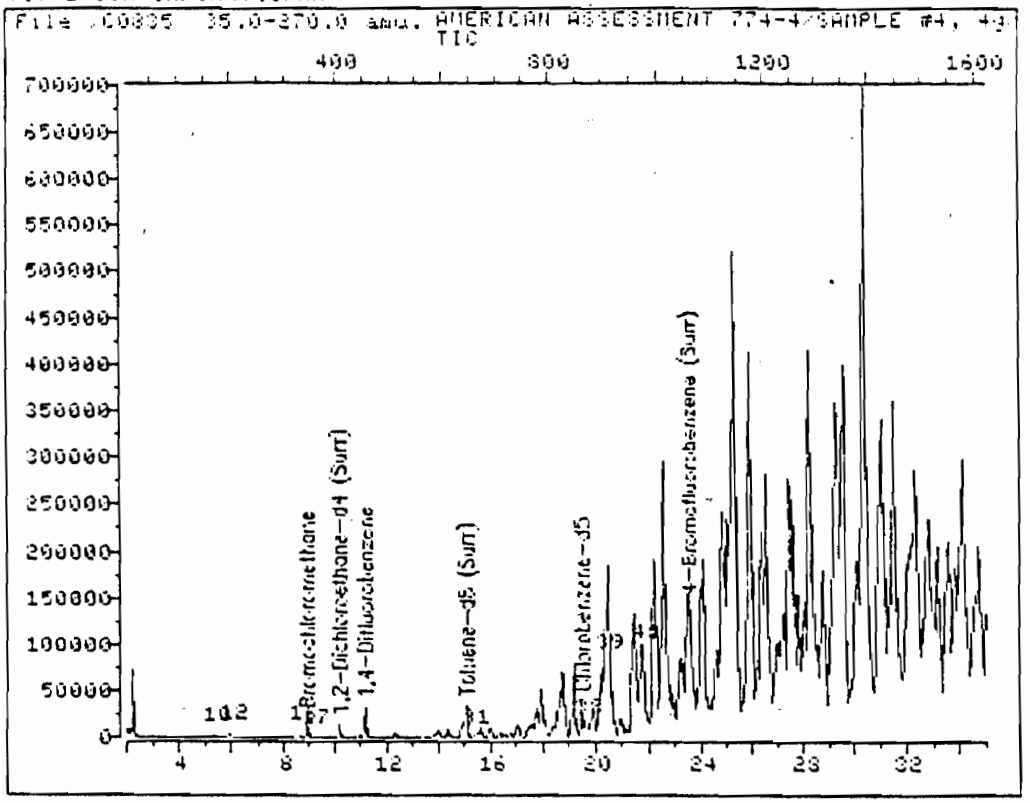
DILUTION FACTOR 134.4

CAS #	PARAMETER	ug/kg	
67-64-1	Acetone	<1,344.	
78-93-3	2-Butanone	13,500.	
71-43-2	Benzene	<672.	
75-27-4	Bromodichloromethane	<672.	
75-25-2	Bromoform	<672.	
74-83-9	Bromomethane	<1,344.	
75-15-0	Carbon Disulfide	<672.	
56-23-5	Carbon Tetrachloride	<672.	
108-90-7	Chlorobenzene	<672.	
75-00-3	Chloroethane	<1,344.	
110-75-8	2-Chloroethylvinyl ether	<1,344.	
67-66-3	Chloroform	<672.	
74-87-3	Chloromethane	<1,344.	
124-48-1	Dibromochloromethane	<672.	
95-50-1	1,2-Dichlorobenzene	<1,344.	
541-73-1	1,3-Dichlorobenzene	<1,344.	
106-46-7	1,4-Dichlorobenzene	<1,344.	
75-34-3	1,1-Dichloroethene	<672.	
107-06-2	1,2-Dichloroethane	<672.	
75-35-4	1,1-Dichloroethane	<672.	
156-60-5	trans-1,2-Dichloroethene	<672.	
78-87-5	1,2-Dichloropropane	<672.	
10061-01-5	cis-1,3-Dichloropropane	<672.	
10061-02-6	trans-1,3-Dichloropropane	<672.	
100-41-4	Ethylbenzene	1,720.	
591-78-6	2-Hexanone	<1,344.	
108-10-1	4-Methyl-2-Pentanone	<1,344.	
75-09-2	Methylene Chloride	895.	B
100-42-5	Styrene	<672.	
79-34-5	1,1,2,2-Tetrachloroethane	<672.	
127-18-4	Tetrachloroethene	<672.	
108-88-3	Toluene	<672.	
71-55-6	1,1,1-Trichloroethane	<672.	
79-00-5	1,1,2-Trichloroethane	<672.	
79-01-6	Trichloroethene	<672.	
75-69-4	Trichlorofluoromethane	<672.	
108-05-4	Vinyl Acetate	<1,344.	
75-01-4	Vinyl Chloride	<1,344.	
	Total Xylenes	23,600.	

CERTIFIED BY: Michael Veraldi

MICHAEL VERALDI LABORATORY DIRECTOR

TOTAL ION CHROMATOGRAM



Data File: >C0835::D5 Quant Output File: ^C0835::D2
Name: AMERICAN ASSESSMENT Instrument ID: MSD #2
Misc: 774-4/SAMPLE #4, 4g/10ml MeOH, 100ul/5ml, REC'D 2/17/9

Id File: VOAID::QT
Title: EPA 624 - VOLATILE ORGANICS
Last Calibration: 911203 15:21 Last Qcal Time: 920220 09:06

Operator ID: TOM
Quant Time : 920220 14:34
Injected at: 920220 13:58

KBF POLLUTION MANAGEMENT, INC.
1110 FARMINGDALE ROAD, NORTH LINDENHURST NEW YORK 11757-1024
PHONE (516)225-0007 - (800)366-1456 - FAX (516)225-0048

February 21, 1992

Client Sample ID:	*Sample #4*	**Date Received:**	*February 17, 1992*
Lab Sample ID:	*774-4*	**Date Extracted:**	*February 18, 1992*
Sample Matrix:	*Soil*	**Date Analyzed:**	*February 20, 1992*
		Customer ID:	*KBF ID# 286*

EPA METHOD 8270 BNA-SEMI VOLATILES DILUTION FACTOR 35.8

CAS#	PARAMETER	ug/kg
110-86-1	Pyridine	<35.8
108-95-2	Phenol	<35.8
62-53-3	Aniline	<35.8
111-44-4	bis(2-Chloroethyl)ether	<35.8
95-57-8	2-Chlorophenol	<35.8
541-73-1	1,3-Dichlorobenzene	<35.8
106-46-7	1,4-Dichlorobenzene	<35.8
100-51-6	Benzyl Alcohol	<35.8
95-50-1	1,2 Dichlorobenzene	<35.8
95-48-7	2-Methylphenol	<35.8
39638-32-9	bis(2-Chloroisopropyl)ether	<35.8
106-44-5	4-Methylphenol	<35.8
621-64-7	N-Nitroso-di-n-propylamine	<35.8
67-72-1	Hexachloroethane	<35.8
98-95-3	Nitrobenzene	<35.8
78-59-1	Isophorone	<35.8
88-75-5	2-Nitrophenol	<35.8
105-67-9	2,4-Dimethylphenol	<35.8
65-85-0	Benzoic Acid	<1,790.
111-91-1	bis(2-Chloroethoxy)methane	<35.8
120-83-2	2,4-Dichlorophenol	<35.8
120-82-1	1,2,4-Trichlorobenzene	<35.8
91-20-3	Naphthalene	<35.8
106-47-8	4-Chloroaniline	<35.8
87-68-3	Hexochlorobutadiene	<35.8
59-50-7	4-Chloro-3-methylphenol	<35.8
91-57-6	2-Methylnaphthalene	<35.8
77-47-4	Hexachlorocyclopentadiene	<35.8
88-06-2	2,4,6-Trichlorophenol	<35.8
95-95-4	2,4,5-Trichlorophenol	<1,790.
91-58-7	2-Chloronaphthalene	<35.8
88-74-4	2-Nitroaniline	<1,790.
131-11-3	Dimethylphthalate	<35.8
606-20-2	2,6-Dinitrotoluene	<35.8
208-96-8	Acenaphthylene	<35.8
99-09--2	3-Nitroaniline	<1,790.
83-32-9	Acenaphthene	<35.8
51-28-5	2,4-Dinitrophenol	<1,790.

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PHONE (516)225-0007 - (800)366-1456 - FAX (516)225-0048

February 21, 1992

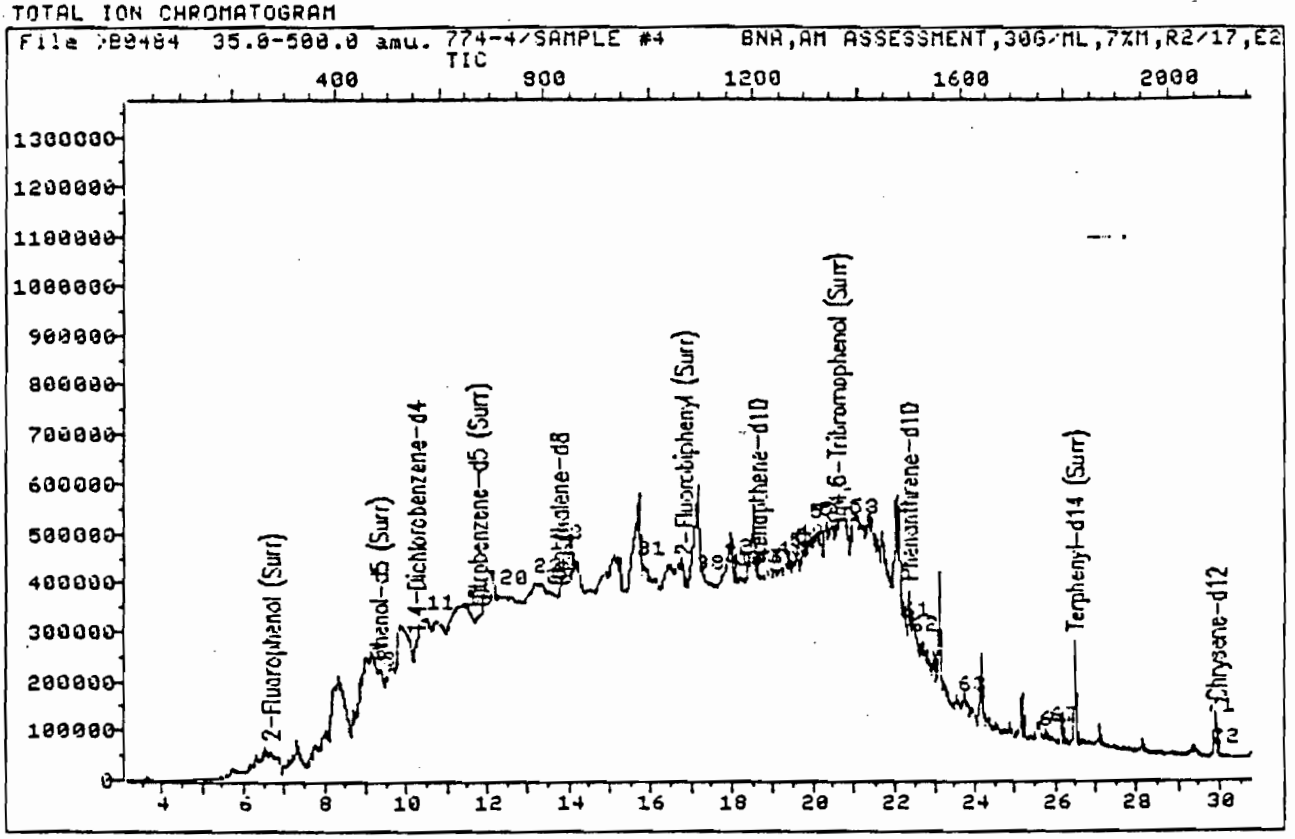
Client Sample ID:	*Sample #4*	**Date Received:**	*February 17, 1992*
Lab Sample ID:	*774-4*	**Date Extracted:**	*February 18, 1992*
Sample Matrix:	*Soil*	**Date Analyzed:**	*February 20, 1992*
		Customer ID:	*KBF ID# 286*

EPA METHOD 8270 BNA-SEMI VOLATILES

CAS#	PARAMETER	ug/kg
100-02-7	4-Nitrophenol	<1,790.
121-14-2	2,4-Dinitrotoluene	<35.8
132-64-9	Dibenzofuran	<35.8
84-66-2	Diethylphthalate	<35.8
7005-72-3	4-Chlorophenyl-phenylether	<35.8
86-73-7	Fluorene	<35.8
100-01-6	4-Nitroaniline	<1,790.
534-52-1	4,6-Dinitro-2-methylphenol	<1,790.
86-30-6	N-Nitrosodiphenylamine	<35.8
103-33-3	Azobenzene	<35.8
101-55-3	4-Bromophenyl-phenylether	<35.8
118-74-1	Hexachlorobenzene	<35.8
87-86-5	Pentachlorophenol	<1,790.
85-01-8	Phenanthrene	140. J
120-12-7	Anthracene	<35.8
84-74-2	Di-n-butylphthalate	260. J B
206-44-0	Fluoranthene	<35.8
129-00-0	Pyrene	40. J
92-87-5	Benzidine	<2,864.
85-68-7	Butylbenzylphthalate	<35.8
91-94-1	3,3'-Dichlorobenzidine	<35.8
56-55-3	Benzo(a)anthracene	<35.8
117-81-7	bis(2-Ethylhexyl)phthalate	370.
218-01-9	Chrysene	<35.8
117-84-0	Di-n-octylphthalate	<35.8
205-99-2	Benzo(b)fluoranthene	<35.8
207-08-9	Benzo(k)fluoranthene	<35.8
50-32-8	Benzo(a)pyrene	<35.8
193-39-5	Indeno(1,2,3-cd)pyrene	<35.8
53-70-3	Dibenz(a,h)anthracene	<35.8
191-24-2	Benzo(g,h,i)perylene	<35.8

CERTIFIED BY: Michael Veraldi
MICHAEL VERALDI
LABORATORY DIRECTOR

TOTAL ION CHROMATOGRAM

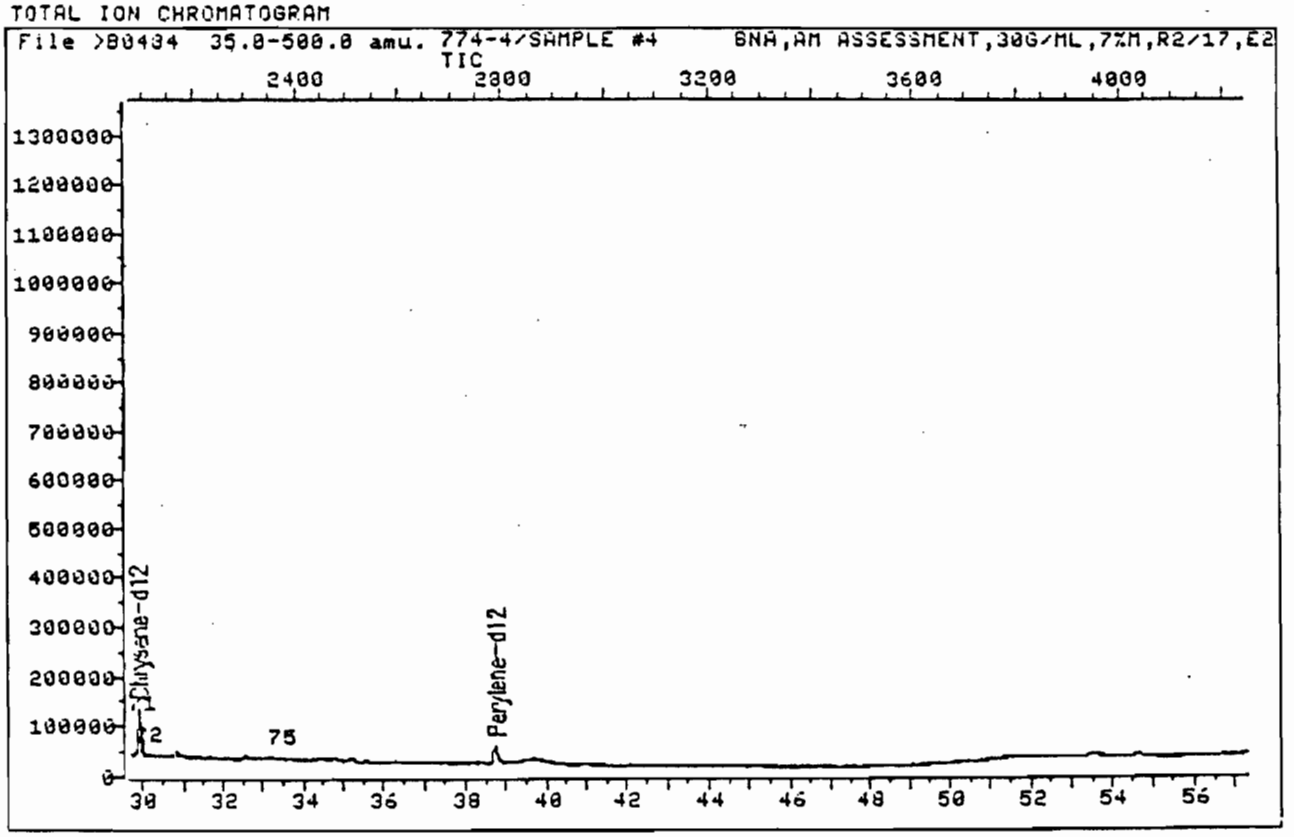


Data File: >B0484::D4 Quant Output File: ^B0484::D2
Name: 774-4/SAMPLE #4 Instrument ID: MSD #1
Misc: BNA,AM ASSESSMENT,30G/ML,7%M,R2/17,E2/18,MSD#1 BTL# 7

Id File: BNAID::QT
Title: EPA METHOD 625 - SEMIVOLATILES EXTRACTABLES/BNA
Last Calibration: : Last Qcal Time: 920220 09:14

Operator ID: KBF
Quant Time : 920220 16:33
Injected at: 920220 15:33

TOTAL ION CHROMATOGRAM



Data File: >B0484::D4 Quant Output File: ^B0484::D2
Name: 774-4/SAMPLE #4 Instrument ID: MSD #1
Misc: BNA,AM ASSESSMENT,30G/ML,7%M,R2/17,E2/18,MSD#1 BTL# 7

Id File: BNAID::QT
Title: EPA METHOD 625 - SEMIVOLATILES EXTRACTABLES/BNA
Last Calibration: : Last Qcal Time: 920220 09:14

Operator ID: KBF
Quant Time : 920220 16:33
Injected at: 920220 15:33

KBF POLLUTION MANAGEMENT, INC.
1110 FARMINGDALE ROAD, NORTH LINDENHURST NEW YORK 11757-1024
PHONE (516)225-0007 - (800)366-1456 - FAX (516)225-0048

February 21, 1992

Client Sample ID:	*Sample #5*	**Date Received:**	*February 17, 1992*
Lab Sample ID:	*774-5*	**Date Digested:**	*2/18,2/21/92*
Sample Matrix:	*Soil*	**Date Analyzed:**	*2/19, 1/21/92*
		Customer ID#:	*KBF ID #286*

ANALYTICAL DATA FOR METAL DIGESTION

Metal	Chemical Symbol	Concentration mg/kg
Arsenic	As	<0.05
Silver	Ag	2.50
Barium	Ba	4.50
Cadmium	Cd	<0.05
Chromium	Cr	3.50
Copper	Cu	13.5
Iron	Fe	3,100.
Lead	Pb	20.0
Manganese	Mn	45.5
Mercury	Hg	<0.020
Nickel	Ni	4.50
Selenium	Se	<0.05
Zinc	Zn	166.

CERTIFIED BY: Michael Veraldi
MICHAEL VERALDI
LABORATORY DIRECTOR

KBF POLLUTION MANAGEMENT, INC.
1110 FARMINGDALE ROAD, NORTH LINDENHURST NEW YORK 11757-1024
PHONE (516)225-0007 - (800)366-1456 - FAX (516)225-0048

Client Sample ID:	*Sample #5*	**Date Received:**	*February 17, 1992*
Lab Sample ID:	*774-5*	**Date Analyzed:**	*February 20, 1992*
Sample Matrix:	*Soil*	**Customer ID:**	*KBF ID# 286*

PRIORITY POLLUTANT ANALYSIS EPA METHOD 8240/624 VOLATILES

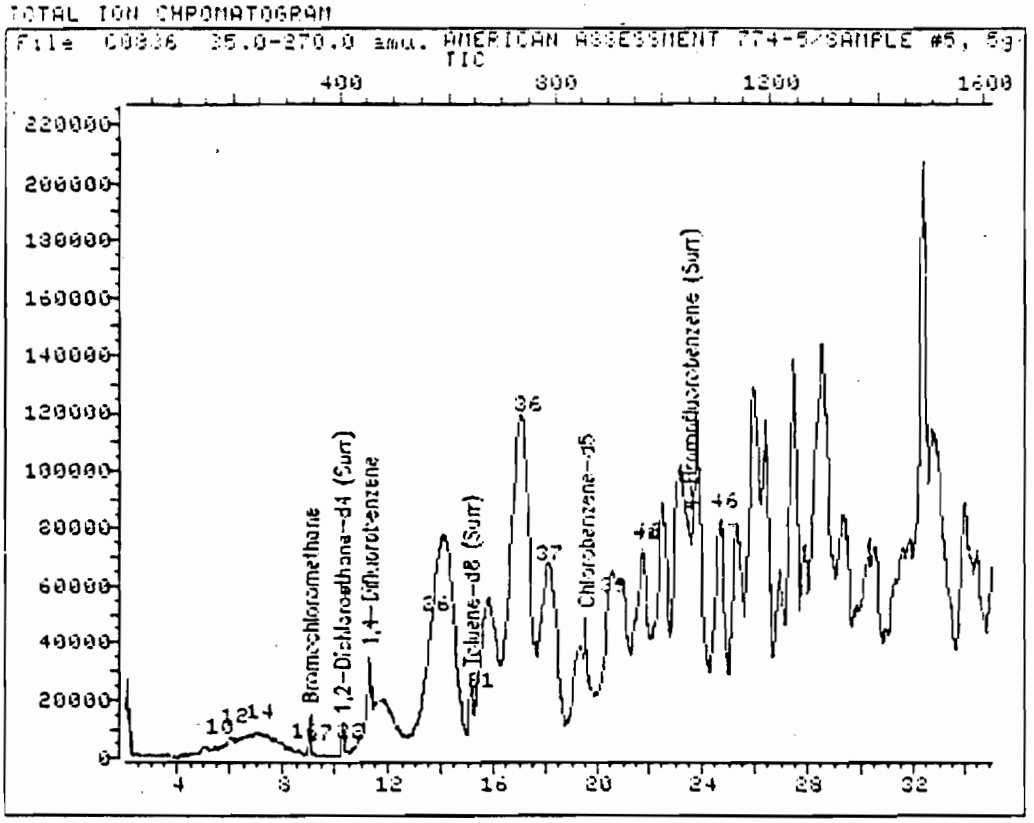
DILUTION FACTOR 1.1

CAS #	PARAMETER	ug/kg
67-64-1	Acetone	<11.
78-93-3	2-Butanone	11.5
71-43-2	Benzene	<5.5
75-27-4	Bromodichloromethane	<5.5
75-25-2	Bromoform	<5.5
74-83-9	Bromomethane	<11.
75-15-0	Carbon Disulfide	<5.5
56-23-5	Carbon Tetrachloride	<5.5
108-90-7	Chlorobenzene	<5.5
75-00-3	Chloroethane	<11.
110-75-8	2-Chloroethylvinyl ether	<11.
67-66-3	Chloroform	<5.5
74-87-3	Chloromethane	<11.
124-48-1	Dibromochloromethane	<5.5
95-50-1	1,2-Dichlorobenzene	<11.
541-73-1	1,3-Dichlorobenzene	<11.
106-46-7	1,4-Dichlorobenzene	<11.
75-34-3	1,1-Dichloroethene	<5.5
107-06-2	1,2-Dichloroethane	<5.5
75-35-4	1,1-Dichloroethane	<5.5
156-60-5	trans-1,2-Dichloroethene	<5.5
78-87-5	1,2-Dichloropropane	<5.5
10061-01-5	cis-1,3-Dichloropropane	<5.5
10061-02-6	trans-1,3-Dichloropropane	<5.5
100-41-4	Ethylbenzene	<5.5
591-78-6	2-Hexanone	<11.
108-10-1	4-Methyl-2-Pentanone	<11.
75-09-2	Methylene Chloride	12.0 B
100-42-5	Styrene	<5.5
79-34-5	1,1,2,2-Tetrachloroethane	<5.5
127-18-4	Tetrachloroethene	<5.5
108-88-3	Toluene	6.14
71-55-6	1,1,1-Trichloroethane	<5.5
79-00-5	1,1,2-Trichloroethane	<5.5
79-01-6	Trichloroethene	<5.5
75-69-4	Trichlorofluoromethane	<5.5
108-05-4	Vinyl Acetate	<11.
75-01-4	Vinyl Chloride	<11.
	Total Xylenes	<5.5

CERTIFIED BY: Michael Veraldi

MICHAEL VERALDI LABORATORY DIRECTOR

TOTAL ION CHROMATOGRAM



Data File: >C0836::D5 Quant Output File: ^C0836::D2
Name: AMERICAN ASSESSMENT Instrument ID: MSD #2
Misc: 774-5/SAMPLE #5, 5g/5ml, REC'D 2/17/92

Id File: VOAID::QT
Title: EPA 624 - VOLATILE ORGANICS
Last Calibration: 911203 15:21 Last Qcal Time: 920220 09:06

Operator ID: TOM
Quant Time : 920220 15:19
Injected at: 920220 14:43

KBF POLLUTION MANAGEMENT, INC.
1110 FARMINGDALE ROAD, NORTH LINDENHURST NEW YORK 11757-1024
PHONE (516)225-0007 - (800)366-1456 - FAX (516)225-0048

February 21, 1992

Client Sample ID:	*Sample #5*	**Date Received:**	*February 17, 1992*
Lab Sample ID:	*774-5*	**Date Extracted:**	*February 18, 1992*
Sample Matrix:	*Soil*	**Date Analyzed:**	*February 20, 1992*
		Customer ID:	*KBF ID# 286*

EPA METHOD 8270 BNA-SEMI VOLATILES DILUTION FACTOR 70.9

CAS#	PARAMETER	ug/kg
110-86-1	Pyridine	<709.
108-95-2	Phenol	<709.
62-53-3	Aniline	<709.
111-44-4	bis(2-Chloroethyl)ether	<709.
95-57-8	2-Chlorophenol	<709.
541-73-1	1,3-Dichlorobenzene	<709.
106-46-7	1,4-Dichlorobenzene	<709.
100-51-6	Benzyl Alcohol	140.J
95-50-1	1,2 Dichlorobenzene	<709.
95-48-7	2-Methylphenol	<709.
39638-32-9	bis(2-Chloroisopropyl)ether	<709.
106-44-5	4-Methylphenol	<709.
621-64-7	N-Nitroso-di-n-propylamine	<709.
67-72-1	Hexachloroethane	<709.
98-95-3	Nitrobenzene	<709.
78-59-1	Isophorone	<709.
88-75-5	2-Nitrophenol	<709.
105-67-9	2,4-Dimethylphenol	<709.
65-85-0	Benzoic Acid	<3,545.
111-91-1	bis(2-Chloroethoxy)methane	<709.
120-83-2	2,4-Dichlorophenol	<709.
120-82-1	1,2,4-Trichlorobenzene	<709.
91-20-3	Naphthalene	<709.
106-47-8	4-Chloroaniline	<709.
87-68-3	Hexochlorobutadiene	<709.
59-50-7	4-Chloro-3-methylphenol	<709.
91-57-6	2-Methylnaphthalene	<709.
77-47-4	Hexachlorocyclopentadiene	<709.
88-06-2	2,4,6-Trichlorophenol	<709.
95-95-4	2,4,5-Trichlorophenol	<3,545.
91-58-7	2-Chloronaphthalene	<709.
88-74-4	2-Nitroaniline	<3,545.
131-11-3	Dimethylphthalate	<709.
606-20-2	2,6-Dinitrotoluene	<709.
208-96-8	Acenaphthylene	<709.
99-09--2	3-Nitroaniline	<3,545.
83-32-9	Acenaphthene	<709.
51-28-5	2,4-Dinitrophenol	<3,545.

KBF POLLUTION MANAGEMENT, INC.
1110 FARMINGDALE ROAD, NORTH LINDENHURST NEW YORK 11757-1024
PHONE (516)225-0007 - (800)366-1456 - FAX (516)225-0048

February 21, 1992

Client Sample ID:	*Sample #5*	**Date Received:**	*February 17, 1992*
Lab Sample ID:	*774-5*	**Date Extracted:**	*February 18, 1992*
Sample Matrix:	*Soil*	**Date Analyzed:**	*February 20, 1992*
		Customer ID:	*KBF ID# 286*

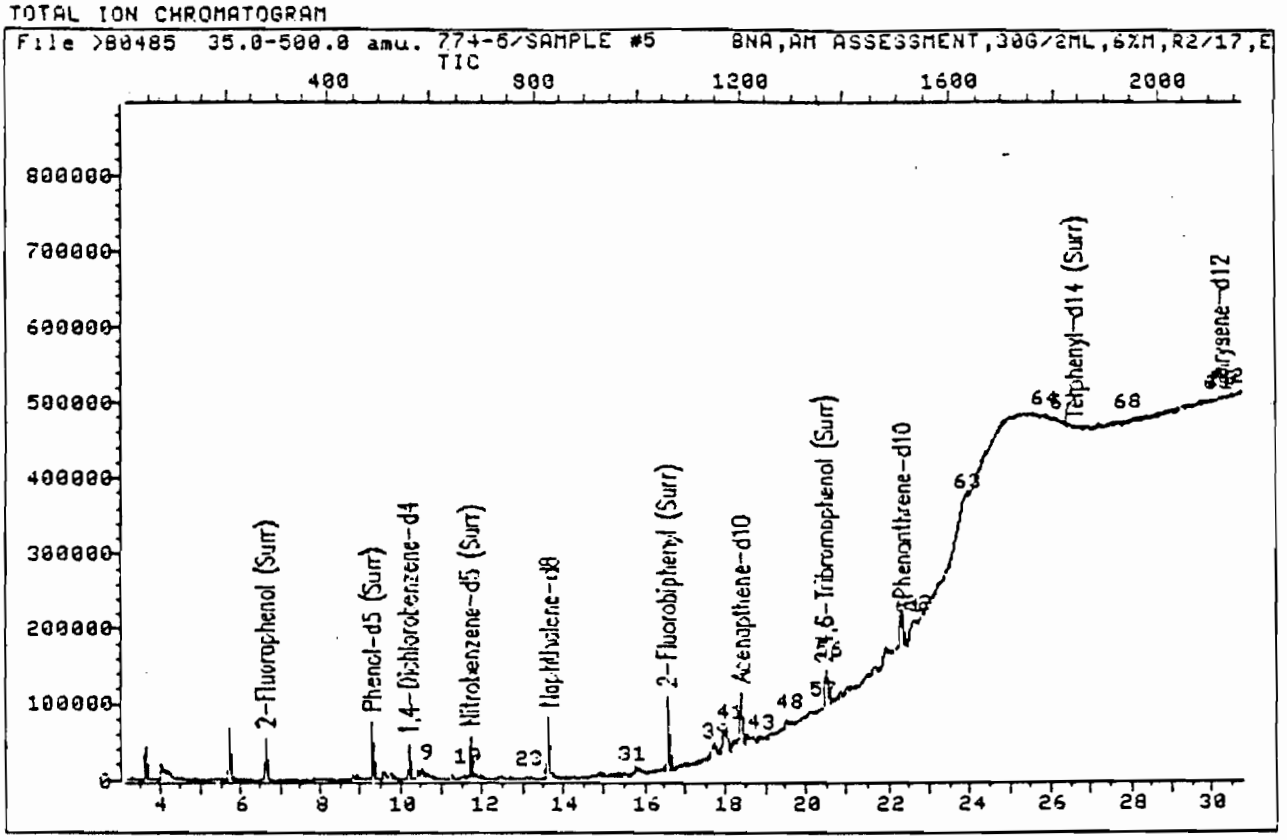
EPA METHOD 8270 BNA-SEMI VOLATILES

CAS#	PARAMETER	ug/kg
100-02-7	4-Nitrophenol	<3,545.
121-14-2	2,4-Dinitrotoluene	<709.
132-64-9	Dibenzofuran	<709.
84-66-2	Diethylphthalate	<709.
7005-72-3	4-Chlorophenyl-phenylether	<709.
86-73-7	Fluorene	<709.
100-01-6	4-Nitroaniline	<3,545.
534-52-1	4,6-Dinitro-2-methylphenol	<3,545.
86-30-6	N-Nitrosodiphenylamine	<709.
103-33-3	Azobenzene	<709.
101-55-3	4-Bromophenyl-phenylether	<709.
118-74-1	Hexachlorobenzene	<709.
87-86-5	Pentachlorophenol	<3,545.
85-01-8	Phenanthrene	<709.
120-12-7	Anthracene	<709.
84-74-2	Di-n-butylphthalate	280. B J
206-44-0	Fluoranthene	<709.
129-00-0	Pyrene	2,200.
92-87-5	Benzidine	<5,672.
85-68-7	Butylbenzylphthalate	<709.
91-94-1	3,3'-Dichlorobenzidine	<709.
56-55-3	Benzo(a)anthracene	560. J
117-81-7	bis(2-Ethylhexyl)phthalate	490. J
218-01-9	Chrysene	480. J
117-84-0	Di-n-octylphthalate	<709.
205-99-2	Benzo(b)fluoranthene	1,200.
207-08-9	Benzo(k)fluoranthene	180. J
50-32-8	Benzo(a)pyrene	480. J
193-39-5	Indeno(1,2,3-cd)pyrene	480. J
53-70-3	Dibenz(a,h)anthracene	<709.
191-24-2	Benzo(g,h,i)perylene	1,200.

CERTIFIED BY: Michael Veraldi

MICHAEL VERALDI
LABORATORY DIRECTOR

TOTAL ION CHROMATOGRAM

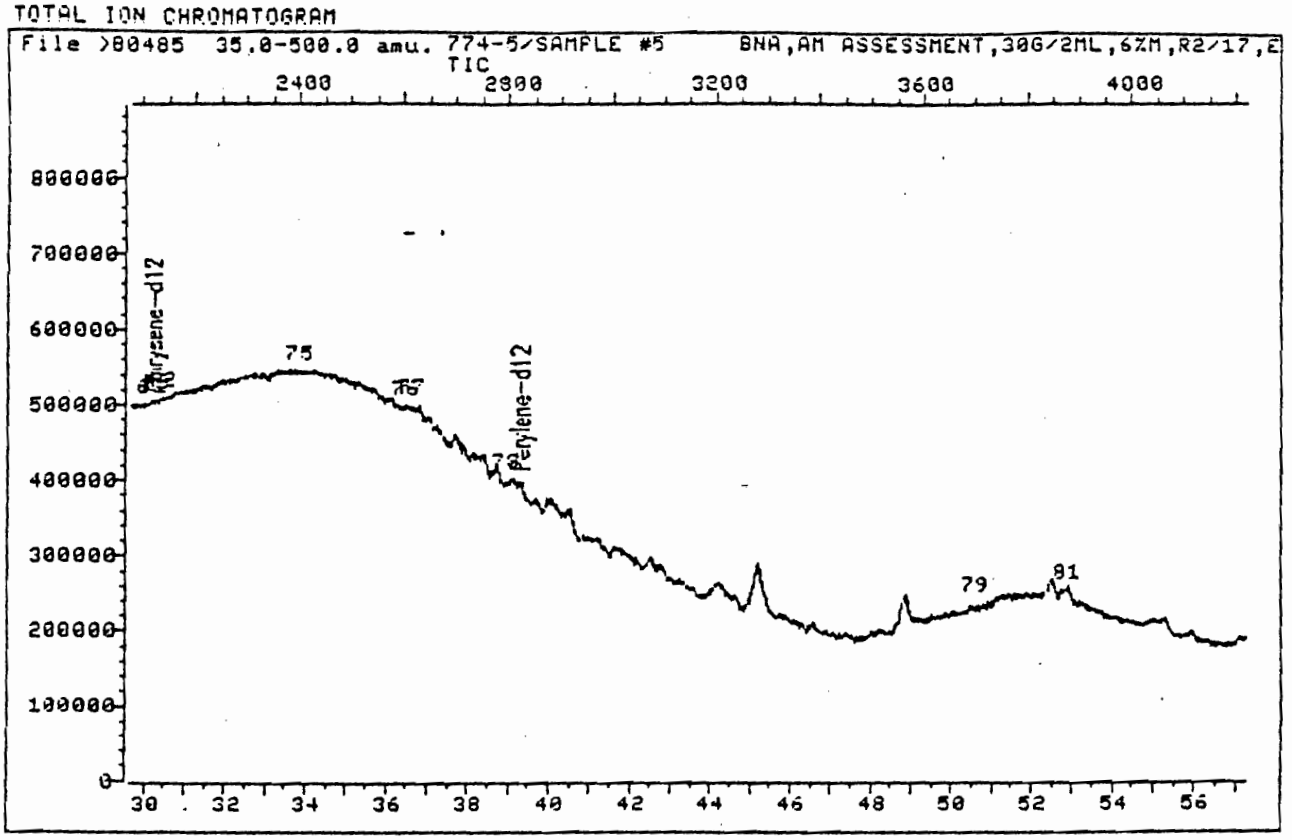


Data File: >B0485::D4 Quant Output File: ^B0485::D2
Name: 774-5/SAMPLE #5 Instrument ID: MSD #1
Misc: BNA,AM ASSESSMENT,30G/2ML,6%M,R2/17,E2/18,MSD#1 BTL# 8

Id File: BNAID::QT
Title: EPA METHOD 625 - SEMIVOLATILES EXTRACTABLES/BNA
Last Calibration: : Last Qcal Time: 920220 09:14

Operator ID: KBF
Quant Time : 920220 17:38
Injected at: 920220 16:39

TOTAL ION CHROMATOGRAM



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Misc: BNA,AM ASSESSMENT,30G/2ML,6%M,R2/17,E2/18,MSD#1 BTL# 8

Id File: BNAID::QT
Title: EPA METHOD 625 - SEMIVOLATILES EXTRACTABLES/BNA
Last Calibration: : Last Qcal Time: 920220 09:14

Operator ID: KBF
Quant Time : 920220 17:38
Injected at: 920220 16:39

KBF ENVIRONMENTAL LABORATORY
A DIVISION OF KBF POLLUTION MANAGEMENT, INC.

CLIENT: American Assessment
ADDRESS: East Hampton N.Y.
JOB REFERENCE:
SAMPLER'S SIGNATURE: Michael Ukrainetz

KBF LAB ID NUMBER: 774

SAMPLE IDENTIFICATION	MATRIX	TYPE	DATE COLLECTED	TIME COLLECTED	No. Of Containers	8240	8270	12 Metals	TCLP Metals	COMMENTS
Dry Well #1	Soil	Comp	2/11/92	10:45	3	X	X	X	X	
Dry Well #2	Soil	Comp	2/11/92	10:55	4	X	X	X	X	
Dry Well #3	Soil	Comp	2/11/92	11:20	3	X	X	X	X	
Sample #4	Soil	Comp	2/11/92	2:10	3	X	X	X	X	
Sample #5	Soil	Comp	2/11/92	2:30	3	X	X	X	X	

Relinquished by: [signature]	DATE: 2/17/92	TIME: 2:26	SEAL INTACT? YES NO N/A
Received by: [signature]			
Relinquished by:	DATE: ___/___/___	TIME:	SEAL INTACT? YES NO N/A
Received by:			
Relinquished by:	DATE: ___/___/___	TIME:	SEAL INTACT? YES NO N/A
Received by:			

Reference 2 A

Correspondence

From: Keith Heffelfinger
Of: Porcello Engineering, Inc.

To: George Sweikert
Of: NYSDEC

Note: Maps, Receipts and Data Included

(6)

Porcello Engineering, Inc.

50 Passaic Avenue, Fairfield, New Jersey 07004 Phone: (201) 882-8377 Fax: (201) 882-8478

June 1, 1995

New York State Dept. of Environmental Conservation
200 White Plains road - 5th floor
Tarrytown, New York 10591-5805

Attention: George Sweikert

Dear Mr. Sweikert:

The following report will discuss the clean-up procedures performed at the East Hampton Air location. The report is an updated version of the letter sent to you on April 21, 1995.

On Wednesday April 19, 1995, Action Remediation with the assistance of Environmental Services Inc., began the contamination clean-up procedures as per the original Scope of Work's Interim Remedial Measures specifications. Environmental Services utilized a "Super Sucker" to remove existing sludges, free liquids, and soils from the septic tank and two (2) dry wells designated in the scope of work.

Approximately three (3) to five (5) yards of soil was extracted from each dry well as well as any free liquids accumulated from the pressure washing phase of the clean-up. Soil was removed until a distinct layer of non discolored soil was noticed at the base of each well. One (1) post excavation sample was collected of the soil bases from each dry well.

The septic tank was purged of existing sludges via the "super sucker" and disposed of in two (2) 55 gallon drums with any water accumulated during the pressure washing procedures.

Action Remediation returned on Wednesday May 12, 1995 to complete the remainder of clean-up procedures outlined in the scope of work. Chesterfield Associates Contractors and Engineers from West Hampton, New York, assisted Action Remediation with the removal of contaminated soils.

Approximately two (2) yards were excavated from the surface around the area of the old 10,000 gallon above ground storage tank. One (1) composite sample was collected at the base of the excavated areas under the old 10,000 gallon tank location. The excavated areas were replaced with clean re-fill sand to the original surface level.

Porcello Engineering Inc.
Date: June 1, 1995
Project: East Hampton Air

Approximately two (2) yards of soil was excavated below the drum storage area on the south east corner of the building. One (1) composite sample was collected at the base of the excavated soils from the drum storage location. In addition, approximately two to three yards of clean re-fill was placed in the excavated areas and leveled to the original surface grade.

All soils excavated were stock piled in one location for the purpose of disposal. Waste classification samples were collected prior to the clean-up procedures for each type of contamination and were found to contain minor levels of Total Petroleum hydrocarbons and metals. No Volatile or semi-volatile organic compounds were detected for the contaminants.

Approximately (24) tons of # 2 heating fuel contaminated soil was disposed of by Mangiardi Brothers Trucking and transported to Wendell Demolition Solid disposal facility in Wendell, Massachusetts.

Two (2) 55 gallon drums containing the dry well and septic solid waste was disposed by Chemical Waste Disposal Corporation, Astoria, New york.

A total of four (4) post excavation samples were collected at the East Hampton Air location. The following list describes the location for each composite sample collected.

#001	Drywell #1 at southeast corner of building. Collected 4/20/95.
#002	Drywell #2 at northeast corner of building. Collected 4/20/95.
#003	10,000 gallon above ground storage tank, northeast of building. Collected 5/12/95.
#004	former drum storage area, southeast corner of building. Collected 5/12/95.

Porcello Engineering Inc.
Date: June 1, 1995
Project: East Hampton Air

Please refer to the attached documents for waste manifests and property drawings.

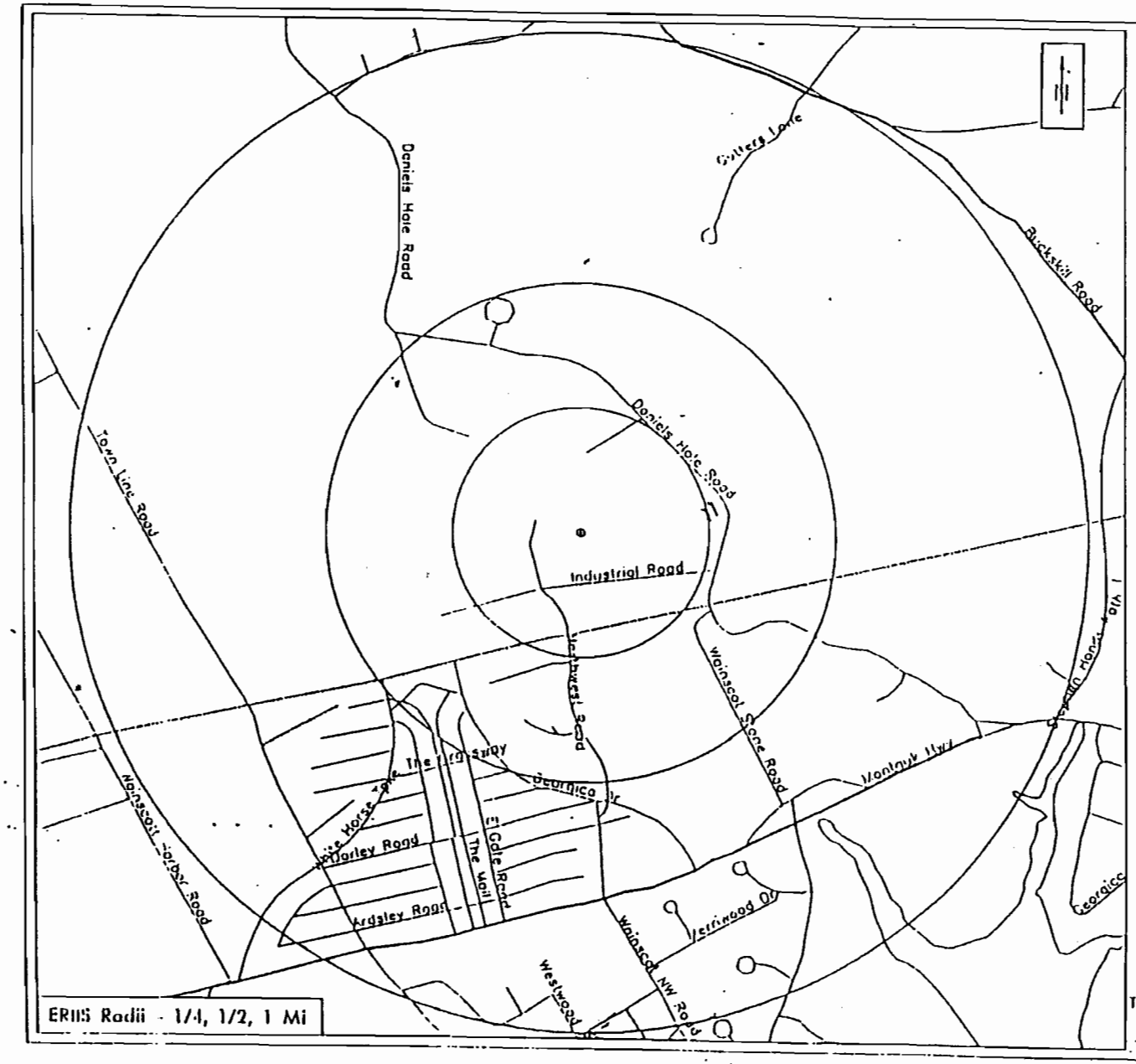
If you should have any questions concerning the contents of this report, please feel free to contact me at (201) 882-8377.

Sincerely,
Porcello Engineering Inc.

Keith Heffelfinger
Project Engineer

cc: George Gordon
Steve Sellinger

file: H:users/keith/ehamp.rep



ERIS

1421 Prince Street, Suite 230
Alexandria, VA 22314
(703)836-0402 (800)989-0402
FAX: (703)836-0468

SITE INFORMATION

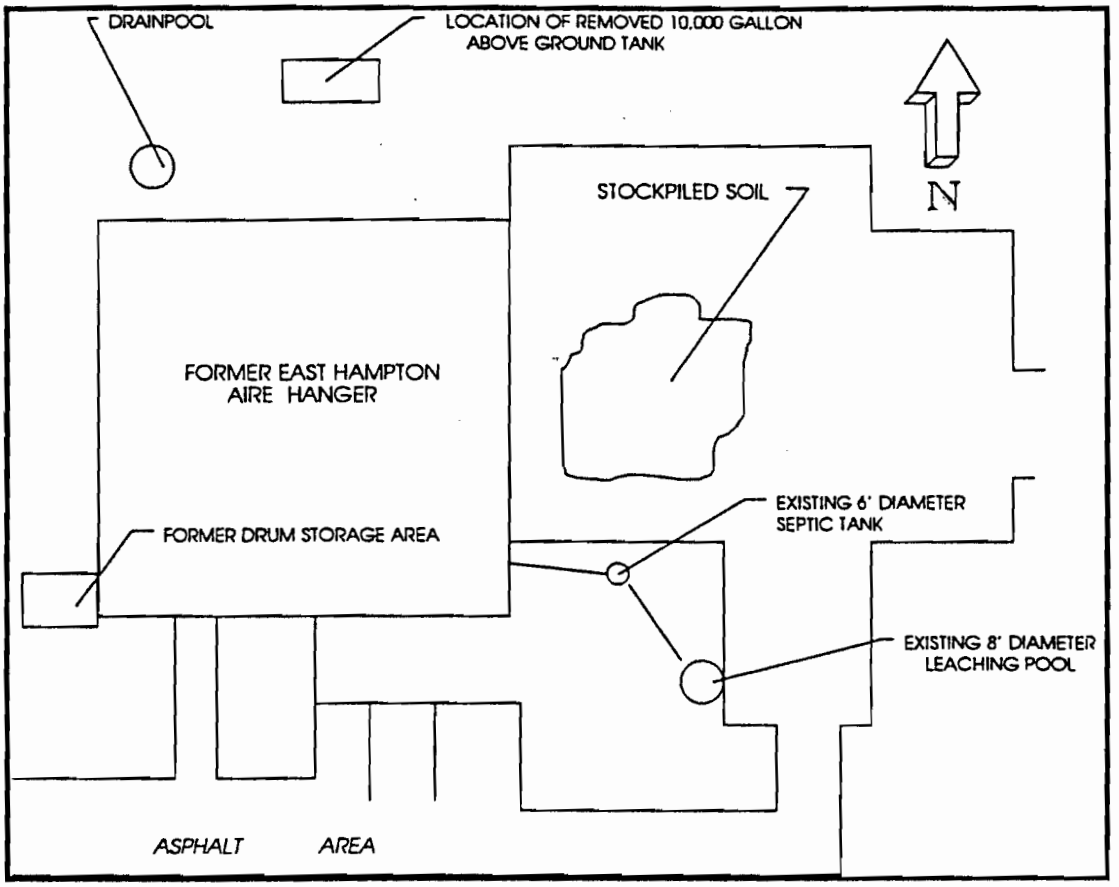
Industrial Rd & Wainscott
East Hampton Aire
Long Island, NY
Suffolk County
Job Number: 47316
Map Plotted: May 3, 1994

MAP LEGEND

- Hydrography
- Railroads
- Roads
- Highways
- NPL 0 Site(s)
- CERCLIS 0 Site(s)
- TRI 0 Site(s)
- RCRIS_TS 0 Site(s)
- RCRIS_LG 0 Site(s)
- RCRIS_SG 0 Site(s)
- ERNS 0 Site(s)
- PBS 0 Site(s)
- LST 0 Site(s)
- SWF 0 Site(s)
- HWS 0 Site(s)
- SPILLS 0 Site(s)
- CBS 0 Site(s)
- MOSF 0 Site(s)
- HWMN 0 Site(s)

Miles

0 0.25 0.5



EAST HAMPTON AIRE
SITE # 1 - 52 - 511

Action Remediation Inc
3010 Burns Avenue Wantagh , N.Y. 11793

ACTION TRUCKING INC

3010 BURNS AVENUE WANTAGH , N.Y. 11793

TEL: 781-3000
FAX: 781-3085

WASTE MANIFEST

GENERATOR INFORMATION

GENERATOR: EAST HAMPTON AIRE
WAINSCOTT NORTHWEST ROAD
EAST HAMPTON , N.Y.

DATE: 5/15/95

GENERATOR ADDRESS: SAME AS ABOVE

GENERATOR REPRESENTATIVE : PORCELLO ENGINEERING INC.

GENERATOR REPRESENTATIVE'S SIGNATURE: [signature]

GENERATED WASTE REMOVED FROM SITE

TYPE WASTE GENERATED FROM SITE: #2 HEATING FUEL CONTAMINATED SOIL
METHOD OF TRANSPORTATION:
55 GALLON DRUMS _____ CONTAINER XXXX

ESTIMATED # OF DRUMS/TONS TO BE DISPOSED 24 TONS

NYS DEC SPILL NUMBER : #95-00627

ACTUAL TONNAGE OF SOIL: [illegible]

TRANSPORTER NAME AND ADDRESS

MANGIARDI BROTHERS TRUCKING
1960 PITTSFIELD ROAD
RENSSELAER , N.Y. 12033

WASTE TRANSPORTER # 4A-209

CONTACT NAME: JOHN NEVINS PHONE: 979-5200

DATE TRANSPORTED: 5/15/95 DRIVER SIGNATURE: [signature]

DISPOSAL FACILITY: WENDELL DEMOLITION SOLID
MORNON HOLLOW ROAD
WENDELL , MASS 01379

PROJECT # _____

FACILITY ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS:

[signature] [signature] 5/16/95

CAT SCALE®

CERTIFIED AUTOMATED TRUCK SCALE

CAT SCALE COMPANY
P.O. BOX 630
WALCOTT, IA 52773
(319) 284-6263

THE CAT SCALE GUARANTEE

The CAT Scale Company guarantees that our scales will give an accurate weight. What makes us different from other scale companies is that we back up our guarantee with cash.

DON'T FORGET YOUR CAT SCALE COLLECTOR CARD!

"WEIGH WHAT WE SAY OR WE PAY"

If you get an overweight fine from the state after one of our CAT Scales showed a legal weight, we will immediately check our scale and we will:

(1) Reimburse you for the cost of the overweight fine if our scale is wrong, OR
(2) A representative of CAT Scale Company will appear in court WITH the driver as an expert witness if we believe our scale was correct.

IF YOU SHOULD GET AN OVERWEIGHT FINE, YOU SHOULD DO THE FOLLOWING TO GET THE PROBLEM RESOLVED:

1) Post bond and request a court date.
2) Call the CAT Scale location where you got the weigh ticket in question and inform them of the fine, or call CAT Scale Company direct during normal business hours.
3) IMMEDIATELY send a copy of the citation, CAT Scale Ticket, your name, company, address, and phone number to CAT Scale.

* The four weights shown below are separate weights. The GROSS WEIGHT is the CERTIFIED WEIGHT and was weighed on a full length platform scale.

DATE: [illegible]

SCALE LOCATION: CANAAN TRUCK INN
I 89 EXIT 20
CANAAN NH.

STEER AXLE [illegible] LB

DRIVE AXLE [illegible] LB

TRAILER AXLE [illegible] LB

* GROSS WEIGHT [illegible] LB

PUBLIC WEIGHMASTER'S CERTIFICATE OF WEIGHT & MEASURE

IMPRINT SEAL HERE (IF APPLICABLE)

This is to certify that the following described merchandise was weighed, counted, or measured by a public or deputy weighmaster, and when properly signed and sealed shall be prima facia evidence of the accuracy of the weight shown as prescribed by law.

LIVESTOCK, PRODUCE, PROPERTY, COMMODITY, OR ARTICLE WEIGHED _____

COMPANY _____ TRACTOR # _____ TRAILER # _____

WEIGHMASTER OR WEIGHER SIGNATURE _____ FEE _____ FULL WEIGH TICKET # (IF REWEIGH) _____

[illegible]

TICKET NUMBER

DRIVER IN TRUCK UNLESS CHECKED HERE _

(Designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NYSCESIOIG | Manifest Document No. | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
EAST HAMPTON AIRE
WAINSCOTT NORTHWEST RD. EAST HAMPTON, NY

4. Generator's Phone ( )

A. State Manifest Document Number: M4909

B. State Generator's ID: SAME

5. Transporter 1 Company Name: CHEMICAL WASTE DISPOSAL CORP.

6. US EPA ID Number: NYDO774442163

C. State Transporter's ID: NY 2A-029

D. Transporter's Phone: (718) 274-3339

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID: PAORANJ

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHEMICAL WASTE DISPOSAL CORP.
42-14 19th AVENUE
ASTORIA, N. Y. 11105

10. US EPA ID Number: NYDO774442163

G. State Facility's ID

H. Facility's Phone: (718) 274-3339

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No	Type	13. Total Quantity	14. Unit Wt/Vo	I. Waste No.
a. DRY WELL/ SEPTIC SOLID N/A	002	DM	0110000	P	EPA N999 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above
a. NON RCRA
b.
c.
d.

K. Handling Codes for Wastes Listed Above
a. c.
b. d.

15. Special Handling Instructions and Additional Information

EMERGENCY RESPONSE TELEPHONE NUMBER: (718) 274-3339

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: FRANK DEGRAZIA ACTING REMEDIATION | Signature | Month Day Year: 10 5 23 95

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Joseph Ambotti | Signature | Month Day Year: 10 5 23 95

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19
Printed/Typed Name | Signature | Month Day Year

EPA Form 8700-22 (Rev. 4-85) Previous edition is obsolete

COPY 1 - RETAINED BY GENERATOR
COPY 2 - RETAINED BY TSD FACILITY
COPY 3 - RETURNED TO GENERATOR
COPY 4 - TRANSPORTER 2 COPY

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS SUBSTANCES REGULATION • BUREAU OF PROGRAM AND TECHNICAL SUPPORT
50 WOLF ROAD, ALBANY, NEW YORK 12233-7250

WASTE TRANSPORTER PERMIT

Pursuant to 6 NYCRR Part 364 No. of Additional Sheets Attached 02

NYSDEC PERMIT NUMBER	EPA TRANSPORTER ID NUMBER	VEHICLE STATE & LICENSE NUMBER
4A-209		SEE LIST OF VEHICLES

THIS IS TO CERTIFY THAT:

BUSINESS NAME
MANGIARDI BROTHERS TRUCKING

MAILING ADDRESS
1960 PITTSFIELD RD

CITY	COUNTY	STATE	ZIP CODE
CASTLETON	RENSSELAER	NY	12033

Having complied with the provisions of the Environmental Conservation Law Titles 3 and 13, of Article 27, is hereby authorized to engage in waste transporting within the State of New York in the manner described herein.

TYPE OF WASTE AND LOCATION OF TREATMENT, STORAGE OR DISPOSAL FACILITY:

TSDF # 4 INFORMATION	WASTE	WASTE DESCRIPTION
00044 WENDELL DEMOLITION SOLID MORNON HOLLOW RD WENDELL MA 01379	N816	CONTAMINATED DIRT, SOILS OR SAND

TSDF # 5 INFORMATION	WASTE	WASTE DESCRIPTION
MAPD00340425 MAXYMILLIAN TECHNOLOGIES E STREET NORTH ADAMS MA 01247	N816	CONTAMINATED DIRT, SOILS OR SAND

TSDF # 6 INFORMATION	WASTE	WASTE DESCRIPTION
00004 SOIL SAFE INC 4600 E FAYETTE ST BALTIMORE MD 21224	N816	CONTAMINATED DIRT, SOILS OR SAND

********** CONTINUED ON NEXT PAGE **********

THIS PERMIT WILL EXPIRE AT MIDNIGHT FEBRUARY 28 19 96 and is subject to revocation at any time. This permit is not transferable.

In witness whereof, the Department of Environmental Conservation has caused this permit to be executed on this 10 day of FEBRUARY 19 95

By Susan Waters
New York State Department of Environmental Conservation Representative

NOTE: This Permit does not relieve the transporter of the responsibility of complying with any other applicable federal, state or local regulations. Please refer to warning notice on back of this Permit.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS SUBSTANCES REGULATION • BUREAU OF PROGRAM AND TECHNICAL SUPPORT
50 WOLF ROAD, ALBANY, NEW YORK 12233-7250

WASTE TRANSPORTER PERMIT

Pursuant to 6 NYCRR Part 364 No. of Additional Sheets Attached 11

NYSDEC PERMIT NUMBER	EPA TRANSPORTER ID NUMBER	VEHICLE STATE & LICENSE NUMBER
4A-209:		LIST OF VEHICLES

THIS IS TO CERTIFY THAT:

BUSINESS NAME: MANGIARDI BROTHERS TRUCKING.

MAILING ADDRESS: 1960 PITTSFIELD RD

CITY	COUNTY	STATE	ZIP CODE
CASTLETON	RENSSELAER	NY	12033

Having complied with the provisions of the Environmental Conservation Law Titles 3 and 15, of Article 27, is hereby authorized to engage in waste transporting within the State of New York in the manner described herein.

TYPE OF WASTE AND LOCATION OF TREATMENT, STORAGE OR DISPOSAL FACILITY:

12498J	24915F	23483F	50760C	F87386	30968S
30491S	31741T	50761C	507607	50762C	77225D
78111C	77549D	23476F	*********	*********	*********

********** END OF PERMITTED VEHICLE LISTING **********

PAGE 11 OF 11 PAGES

THIS PERMIT WILL EXPIRE AT MIDNIGHT FEBRUARY 28 19 96 and is subject to revocation at any time. This permit is not transferable.

In witness whereof, the Department of Environmental Conservation has caused this permit to be executed on this 10 day of FEBRUARY 19 95

By Arleen Waters
New York State Department of Environmental Conservation Representative

NOTE: This Permit does not relieve the transporter of the responsibility of complying with any other applicable federal, state or local regulations. Please refer to warning notice on back of this Permit.

TOTAL P.03

Reference 3

Correspondence

From: Robert Seyfarth
Of: Office of Pollution Control
Suffolk County Department of Health Services

To: Stephen Sellinger
Of: Eastern Field Unit, NYSDEC

(10)

COUNTY OF SUFFOLK

ROBERT J. GAFFNEY
SUFFOLK COUNTY EXECUTIVE

DEPARTMENT OF HEALTH SERVICES

MARY E. HIBBERD, M.D., M.P.H.
COMMISSIONER

November 12, 1996

Stephen Sellinger
New York State Department of Environmental Conservation
Eastern Field Unit
200 White Plans Road, Fifth Floor
Tarrytown, New York 10591-5805

RE: East Hampton Aire, Inc.

Dear Mr. Sellinger:

I have reviewed Pocello Engineering, Inc.'s "Report Package" dated October 7, 1996, for the above referenced site, and offer the following comments:

- The report states that "No Volatile or semi-volatile organic compounds were detected." A review of the analytical reports in the report's appendix indicate "VO not received in proper container", no laboratory analysis was ever performed for VOCs. Since Methylene Chloride, and other VOCs, were detected in the state's "endpoint" sample collected beneath the aboveground Jet fuel tank, this analysis should have been performed.

- The four (4) post excavation samples that were collected at the site by Porcello Engineering, or its representative, were held for a year and then discarded. Since the state's split(?) sample from the above mentioned location indicated elevated levels of several VOCs and the consultant's samples were never run, additional investigation as to the extent of the remaining contamination is required.

- Monitoring well, MW 3, was not installed in the location proposed by the consultant and approved by your office. Where installed, this well can be used for triangulation purposes to determine the groundwater slope and flow direction, but does not provide any useful information regarding possible contamination coming from the soil beneath the fuel tank. A monitoring well will be required downgradient of the fuel tank.

DIVISION OF ENVIRONMENTAL QUALITY
COUNTY CENTER
RIVERHEAD, N.Y. 11901-3397
852-2100

- Regional groundwater flow direction in this area is to the south - south east, as stated in the report. The Groundwater Contour map, provided in the report, shows the flow direction to be to the south west, contradicting the narrative. Clarification, as to how the groundwater contour lines were determined, i.e. Rim Elevation - Depth to Groundwater = Relative Groundwater Elevation and an explanation of the contradiction in flow direction is needed.

In order to correct the deficiencies in the investigation and accompanying report, site specific groundwater flow direction must be determined. A monitoring well must then be installed downgradient of the contamination previously found beneath the jet fuel tank. In addition, an investigation, in the form of a soil boring, must be performed in the area of the former above ground fuel tank. The proposed well location and soil boring and sampling specifications should be submitted to your office for review and approval prior to installation.

Most of the above noted problems could have been avoided if the consultant had notified my office prior to performing any field work, as requested on several occasions. This would have allowed a representative of this department to be available to observe the operation and provide guidance. To avoid a recurrence, all future activities at the site should be performed under the supervision of either a representative of your office or mine.

If you have any questions, or need additional information, please feel free to contact me at (516) 854-2504.

Sincerely,

Robert Seyfarth
Associate Public Health Sanitarian
Office of Pollution Control

cc: D. Gobbi

DIVISION OF ENVIRONMENTAL QUALITY
COUNTY CENTER
RIVERHEAD, N.Y. 11901-3397
852-2100

Reference 4

Correspondence

From: Robert Seyfarth
Of: Investigation Services Bureau
Suffolk County Department of Health Services

To: Cynthia Ahlgren Shea
Of: Town Attorney
Town of East Hampton

Note: Inspectors Observations, Interviews, and Laboratory Results Included

COUNTY OF SUFFOLK

ROBERT J. GAFFNEY
SUFFOLK COUNTY EXECUTIVE

DEPARTMENT OF HEALTH SERVICES

MARY E. HIBBERD, M.D., M.P.H.
COMMISSIONER

August 28, 1995

CERTIFIED MAIL - R.R.R.
Z-0420942-538

Ms. Cynthia Ahlgren Shea
Town Attorney
Town of East Hampton
159 Pantigo Road
East Hampton, New York 11937

Re: ***East Hampton Aire Hanger Clean-up***

Dear Ms. Shea:

On July 13, 1995, samples of liquids and sludge were collected from two leaching pools on the north side of the above-referenced hangar. These pools were dye tested and shown to be connected to the eastern set of floor drains in the building.

Review of the laboratory analyses found the following compounds at concentrations indicative of unpermitted discharges of industrial waste:

SLUDGE IN PRIMARY POOL

Organic		Metal	
Ethylbenzene	110 ppb	Aluminum	2,500 µgm/gm
Xylene(s)	790 ppb	Barium	20 µgm/gm
n-Propylbenzene	740 ppb	Cadmium	10 µgm/gm
p-Ethyltoluene	2,400 ppb	Chromium	10 µgm/gm
1,3,5-Trimethylbenzene	3,700 ppb	Copper	50 µgm/gm
1,2,4-Trimethylbenzene	5,000 ppb	Iron	4,300 µgm/gm
sec-Butylbenzene	1,200 ppb	Lead	160 µgm/gm
1,2,4,5-Tetramethylbenzene	2,700 ppb	Manganese	20 µgm/gm
Naphthalene	3,500 ppb	Zinc	120 µgm/gm

SLUDGE IN OVERFLOW POOL

Aluminum	1,100 µgm/gm	Iron	1,600 µgm/gm
Lead	60 µgm/gm	Zinc	20 µgm/gm

LIQUID IN OVERFLOW POOL

Iron 1.5 mg/l

These compounds are considered toxic or hazardous and cannot be discharged to the ground, sanitary system, storm drain or other leaching system. Due to the elevated levels found, you must have all contaminated solids/sludge pumped from the primary pool by an industrial waste hauler. At the above concentrations, the liquid portion of this pool may be acceptable at the Bergen Point Sewage Treatment Plant facility. Contact Robert Falk at 852-4107 for approval prior to pumping this material. If the liquid portion is not acceptable to the Department of Public Works, it must be removed and disposed of by a licensed industrial waste hauler along with the sludge. Kindly notify this office **three working days** in advance of the scheduled cleanup date so that one of our representatives may be present. High-pressure washing or scraping of the interior walls will probably be necessary to eliminate any residual contamination. End point samples will then be required to determine the adequacy of the remediation.

For a complete and up-to-date listing of licensed scavengers, you should contact the Division of Regulatory Affairs, Waste Transporter Section of the New York State Department of Environmental Conservation at (518) 457-3254. The hiring of a cesspool pumping service which is not licensed to haul toxic industrial waste is a violation of state and county law and may subject both you and the non-licensed hauler to civil liability (fines). It is your responsibility to determine if the scavenger is licensed to haul industrial waste.

Fees for removal of toxic materials may vary between scavengers; therefore, you may wish to secure written estimates for your cleanout.

In addition, the floor drains within the hangar must be sealed to eliminate the possibility of further discharge, and the leaching pools must be properly abandoned by filling with a clean, inert material.

If this department can be of any further assistance in this matter, please contact either Dennis Gobbi (854-2514) or me (854-2504).

Sincerely,

Robert Seyfarth
Senior Public Health Sanitarian
Inspection Services Bureau

RS:lc
cc: Dennis Gobbi

INSPECTORS OBSERVATIONS OR INTERVIEWS

CLEANUP OF EAST FLOOR DRAIN LEACHING POOL

661-379 926-096

EAST HAMPTON AIRE
Industrial Rd
EAST HAMPTON, N.Y.

12/5/95. AM

FACILITY'S PRIMARY INDUS. LEACH POOL NORTH SIDE OF HANGAR. PRESSURE WASHED & CLEANED DOWN TO CLEAN SAND. CONTRACTOR BERNINGER E.N.V. EXCAVATOR HULL & RODDY OF MONTAUK. ALL LIQ. REM. PRIOR TO INSP. & DISPOSED OF AT EAST HAMPT. SCAD. PLANT A TOTAL OF APPROX. 10 YDS. CONTAM. SOIL REM. & STORED ON COVERED PLASTIC. END. DISPOSAL END PT. TAKEN BY BERNINGER. NO OFF COLORS INTERIOR BAY DRAINS CEMENTED SHUT. COPIES OF END PT. RESULTS & FINAL DISP. RECIEPTS TO D. GROBE WHEN AVAILABLE. A JIM CAVANAGH WAS ON SITE FOR E. HAMPT. TOWN.

Brian F. Cook

PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1615 NINTH AVENUE • P.O. BOX 205 • BOHEMIA, N.Y. 11716 • (516) 467-8477
FAX: (516) 467-6905 After 5pm: (516) 567-5579

BERNINGER ENVIRONMENTAL

1615 NINTH AVENUE-P.O. BOX 205
BOHEMIA, NY 11716-0000 (516)588-2251

PROJECT ID: EAST HAMPTON AIRPORT - EAST HAMPTON, NY

LAB NUMBER: 109388 **MATRIX:** SOIL
SAMPLE ORIGIN: END POINT SAMPLE

COLLECTION DATE:	RECEIPT DATE:	ANALYSIS DATE:	REPORT DATE:
12/05/95	12/05/95	12/06/95	12/06/95

GC/MS VOLATILE ORGANICS (ENHANCED)
EPA8260EN

PARAMETER	RESULTS	UNIT
ACETONE	<2.0	ug/kg
BENZENE	<2.0	ug/kg
BROMOBENZENE	<2.0	ug/kg
BROMOCHLOROMETHANE	<2.0	ug/kg
BROMODICHLOROMETHANE	<2.0	ug/kg
BROMOETHANE	<2.0	ug/kg
BROMOFORM	<2.0	ug/kg
N-BUTYLBENZENE	<2.0	ug/kg
SEC-BUTYLBENZENE	<2.0	ug/kg
TERT-BUTYLBENZENE	<2.0	ug/kg
CARBON TETRACHLORIDE	<2.0	ug/kg
CHLOROBENZENE	<2.0	ug/kg
CHLORODIFLUOROMETHANE	<2.0	ug/kg
CHLOROETHANE	<2.0	ug/kg
CHLOROFORM	<2.0	ug/kg
CHLOROMETHANE	<2.0	ug/kg
CHLOROTOLUENE	<2.0	ug/kg
DIBROMOCHLOROMETHANE	<2.0	ug/kg
1,2-DIBROMO-3-CHLOROPROPANE	<2.0	ug/kg
DIBROMOETHANE	<2.0	ug/kg
1,2-DIBROMOETHANE	<2.0	ug/kg
1,2-DICHLOROBENZENE	<2.0	ug/kg
1,3-DICHLOROBENZENE	<2.0	ug/kg
1,4-DICHLOROBENZENE	<2.0	ug/kg
DICHLORODIFLUOROMETHANE	<2.0	ug/kg
1,1-DICHLOROETHANE	<2.0	ug/kg
1,2-DICHLOROETHANE	<2.0	ug/kg
1,1-DICHLOROETHENE	<2.0	ug/kg
CIS-1,2-DICHLOROETHENE	<2.0	ug/kg
TRANS-1,2-DICHLOROETHENE	<2.0	ug/kg
1,2-DICHLOROPROPANE	<2.0	ug/kg
2,2-DICHLOROPROPANE	<2.0	ug/kg
1,3-DICHLOROPROPANE	<2.0	ug/kg

REMARKS:
AP# 10224
109388 -1

JOHN PEDNEAULT
LABORATORY DIRECTOR

PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1615 NINTH AVENUE • P.O. BOX 205 • BOHEMIA, N.Y. 11716 • (516) 467-8477
FAX: (516) 467-6905 After 5pm: (516) 567-5579

BERNINGER ENVIRONMENTAL

1615 NINTH AVENUE-P.O. BOX 205
BOHEMIA, NY 11716-0000 (516)588-2251

PROJECT ID: EAST HAMPTON AIRPORT - EAST HAMPTON, NY

LAB NUMBER: 109388 **MATRIX:** SOIL
SAMPLE ORIGIN: END POINT SAMPLE

COLLECTION DATE:	RECEIPT DATE:	ANALYSIS DATE:	REPORT DATE:
12/05/95	12/05/95	12/06/95	12/06/95

GC/MS VOLATILE ORGANICS (ENHANCED)
EPA8260EN

PARAMETER	RESULTS	UNIT
1,1-DICHLOROPROPENE	<2.0	ug/kg
CIS-1,3-DICHLOROPROPENE	<2.0	ug/kg
TRANS-1,3-DICHLOROPROPENE	<2.0	ug/kg
P-DIETHYLBENZENE	<2.0	ug/kg
ETHYLBENZENE	<2.0	ug/kg
P-ETHYLTOLUENE	<2.0	ug/kg
FREON 113	<2.0	ug/kg
HEXACHLOROBUTADIENE	<2.0	ug/kg
ISOPROPYLBENZENE	<2.0	ug/kg
P-ISOPROPYLTOLUENE	<2.0	ug/kg
METHYLENE CHLORIDE	<2.0	ug/kg
METHYL ETHYL KETONE	<2.0	ug/kg
METHYL ISOBUTYL KETONE	<2.0	ug/kg
NAPHTHALENE	<2.0	ug/kg
N-PROPYLBENZENE	<2.0	ug/kg
STYRENE	<2.0	ug/kg
1,1,1,2-TETRACHLOROETHANE	<2.0	ug/kg
1,1,2,2-TETRACHLOROETHANE	<2.0	ug/kg
TETRACHLOROETHENE	<2.0	ug/kg
1,2,4,5-TETRAMETHYLBENZENE	<2.0	ug/kg
1,2,3-TRICHLOROBENZENE	<2.0	ug/kg
1,2,4-TRICHLOROBENZENE	<2.0	ug/kg
1,1,1-TRICHLOROETHANE	<2.0	ug/kg
1,1,2-TRICHLOROETHANE	<2.0	ug/kg
TRICHLOROETHENE	<2.0	ug/kg
TRICHLOROFLUOROMETHANE	<2.0	ug/kg
1,2,3-TRICHLOROPROPANE	<2.0	ug/kg
1,2,4-TRIMETHYLBENZENE	<2.0	ug/kg
1,3,5-TRIMETHYLBENZENE	<2.0	ug/kg
TOLUENE	<2.0	ug/kg
VINYL CHLORIDE	<2.0	ug/kg
XYLENE(S)	<2.0	ug/kg

REMARKS:
LAP# 10224
09388 -1

JOHN PEDNEAULT
LABORATORY DIRECTOR

Reference 5

EDR Sanborn Map Report. Completed 6/22/00.

Environmental Data Resources, Inc.

an edr company

"Linking Technology with Tradition"

Sanborn™ Map Report

Ship to: Chris Korzenko
Camp, Dresser & McKee, Inc.
100 Crossways Park West
Woodbury, NY 11797

1391257JWS 516-496-8400

Order Date: 6/21/2000 **Completion Date:** 06/22/2000
Inquiry #: 509721.2S
P.O. #: NA
Site Name: East Hampton Aire
Address: 90 Industrial Rd
City/State: Wainscott, NY 11975
Cross Streets:

This document reports that the largest and most complete collection of Sanborn fire insurance maps has been reviewed based on client-supplied information, and fire insurance maps depicting the target property at the specified address were not identified.

NO COVERAGE

Reference 6

Suffolk County Department of Health Services. Toxic Liquid Storage Registration Form.

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES
TOXIC LIQUID STORAGE REGISTRATION FORM

Official Use Only

Fac. Ref. No. 1* 0 3 0 5 2

Receipt No. 589426

Amt. of Fee $10.00

Principal Property Tax Code
14* District 0300 *15*Section 192.5 *16* Block 1.4.3 *17* Lot 8.

2*Facility Name	*3* No. *4* Street	*5* Comm.	*6* State	*7* Zip	Phone No.
EAST HAMPTON AIRE, INC.	INDUSTRIAL ROAD	EAST HAMPTON TOWN	NEW YORK	11937	537-0560
32*Facility Owner	*33*No. *34*Street	*35*Comm.	*36*State	*37*Zip	Phone No.
EAST HAMPTON AIRE, INC	INDUSTRIAL ROAD	EAST HAMPTON TOWN	NEW YORK	11937	537-0560
42*Facility Operator	*43*No. *44*Street	*45*Comm.	*46*State	*47*Zip	Phone No.
EAST HAMPTON AIRE, INC.	INDUSTRIAL ROAD	EAST HAMPTON TOWN	NEW YORK	11937	537-0560
52*Land Owner	*53*No. *54*Street	*55*Comm.	*56*State	*57*Zip	Phone No.
EAST HAMPTON TOWN	59 PANTAGO ROAD	EAST HAMPTON TOWN	NEW YORK	11937	324-4143
62*Tank Owner	*63*No. *64*Street	*65*Comm.	*66*State	*67*Zip	Phone No.
EAST HAMPTON AIRE, INC.	INDUSTRIAL ROAD	EAST HAMPTON TOWN	NEW YORK	11937	537-0560

70*Are chemical drums or containers stored at this site? Yes ____ No X

*71*Empty Drums ____ *72*Full or Part Full ____ *73*Waste Material ____ *74*New Material ____ *75*Average No. Being Stored ____

*76*Type of Materials: New Oil Products X Waste Oil ____ Organic Solvents ____ Other ____

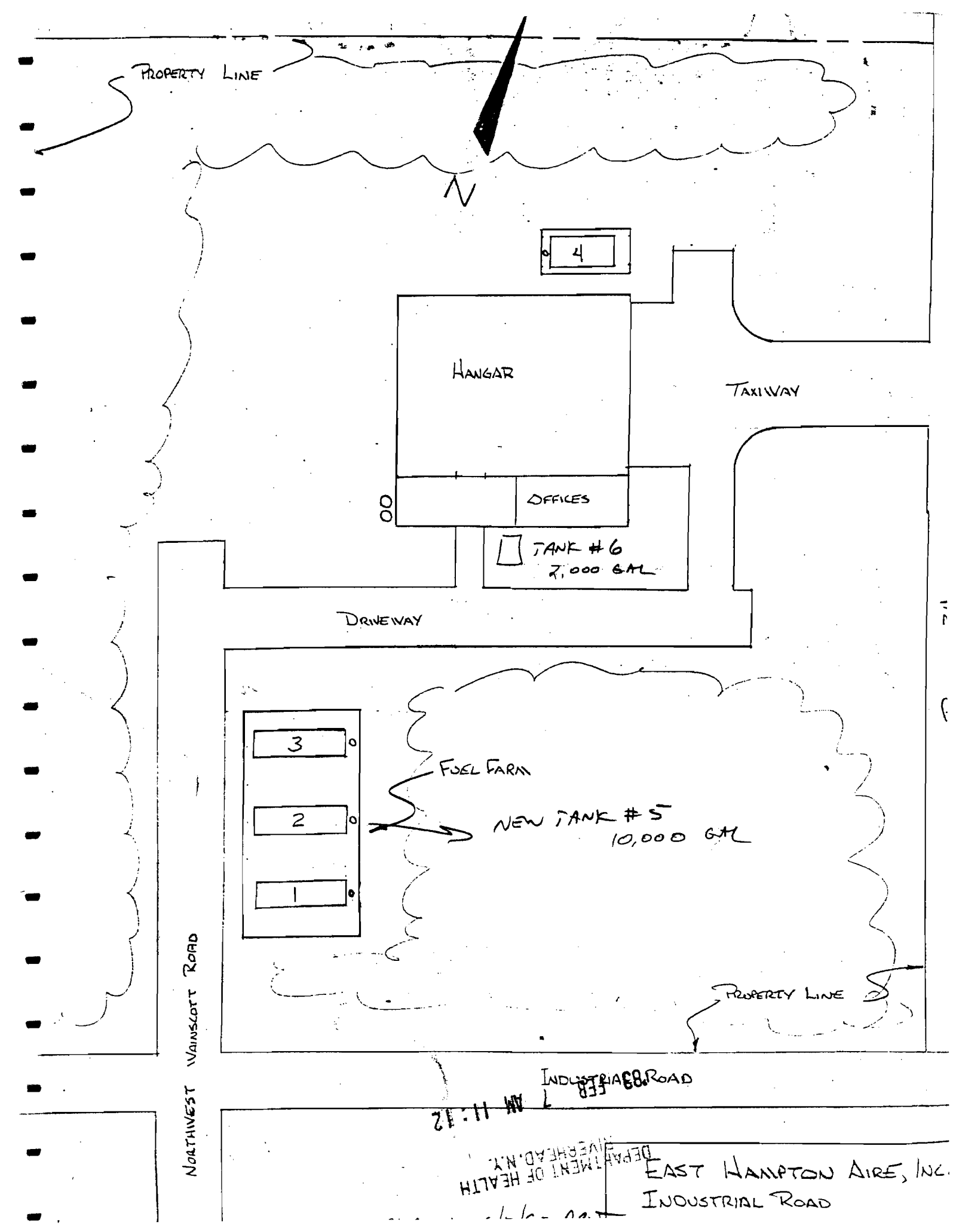
702 TANK NO.	702 ABOVEGROUND	702 UNDERGROUND	703 INDOORS	703 OUTDOORS	706 CAPACITY (GALLONS)	707 GASOLINE	707 NO. 2 FUEL OIL	707 NO. 6 FUEL OIL	707 KEROSENE	707 WASTE OIL	707 OTHER OIL	707 ORGANIC SOLVENTS	707 INDUSTRIAL WASTES	715 OTHER MATERIALS (SPECIFY)	716 YEAR INSTALLED AT THIS LOCATION	717 INSTALLED NEW YES	717 INSTALLED NEW NO.	718 PLAIN STEEL	718 FIBERGLASS	718 BUFFHIDE	718 STIP-3	718 DOUBLE WALLED	718 OTHER	719 IN USE	719 ABANDONED	720 DISPENSER SUBMERSIBLE	720 DISPENSER SUCTION	720 DISPENSER GRAVITY	720 DISPENSER OTHER	721 FILL PUMPED	721 FILL GRAVITY	721 FILL OTHER	701 OFFICAL USE
1		X		X	6000	X									78	X		X						X			X				X		85
2		X		X	10000	X									78	X		X						X			X				X		85
3		X		X	1000	X									78	X		X						X			X				X		88
4	X	X		X	10000				X						78	X		X						X			X		X				82

I certify that information on this application and all attachments have been reviewed and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in this application, I believe that the information is true, accurate, and complete. I understand that false statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Date	Print Name	Signature	Title
2/1/83	FRANK J. LaVigna	Frank LaVigna	PRESIDENT

UMM-003 4/82

18-262 5/82



Reference 6 A

East Hampton Aire Tank Listing as of 10-21-99.

Art 12 Reg No. 3-0052 *EAST HAMPTON AIRE INC* File Ref No 3-13948

Tank listing as of 10-21-99

No.	Location	Vol	Contents	Constr	Status	Job No	Removed	Permited
1	UNDER OUT	6000	GASOLINE	PLNSTL	90REM		12/31/90	
2	UNDER OUT	10000	GASOLINE	PLNSTL	90REM		12/31/90	
3	UNDER OUT	1000	GASOLINE	PLNSTL	90REM		12/31/90	
4	ABOVE OUT	10000	KEROSENE	PLNSTL	93REM		01/01/93	
5	UNDER OUT	10000	GASOLINE	DWFRP	94REM	HM89-729	12/12/94	
6	UNDER OUT	2000	#2 FUEL OIL	PLNSTL	99HO			

Reference 7

Correspondences Regarding East Hampton Aire.

Aug. 19, 1982

East Hampton Aire, Inc.
East Hampton Airport
East Hampton, N.Y. 11937

Att'n: Facilities Manager

Re: Registration of Petroleum Storage Tanks

Gentlemen:

A review of our records indicates that the gasoline storage tanks at your facility have not been registered with the Suffolk County Department of Health Services.

Please find enclosed a registration form for your use in complying with Article 12 of the Suffolk County Sanitary Code. Instructions are on the back of the form and are self-explanatory.

A registration fee of $25.00 per tank is required and the completed form along with the fee payment should be sent to the address in paragraph 4 of the instructions.

Thank you for your kind attention in this matter.

Very truly yours,

Alexander M. Santino, P.E.
Hazardous Materials Management

AMS/rt
Encl.
cc: Randall T. Parsons
Town of East Hampton
159 Pantigo Rd.
East Hampton, N.Y. 11937

New York State Department of Environmental Conservation
Building 40
State University of New York
Stony Brook, New York 11794
(516) 751-7900 Ext. 329

Robert F. Flacke
Commissioner

July 30, 1982

Mr. Randy Parsons
Town of East Hampton
159 Tantigo Road
East Hampton, New York 11937

Re: Open Burning Permit for the
East Hampton Airport

Dear Mr. Parsons:

Please find attached, as per the request of Mr. Riesland, an application for a Restricted Burning Permit.

Please complete the attached form and transmit to the undersigned along with a plot plan which completely describes the burn area in question.

If you have any questions, please feel free to call.

Sincerely,

Paul M. Roth

Paul M. Roth, P.E.
Senior Sanitary Engineer

PMR:jf
Attachment
cc: R. Capp
J. Maloney

4 February 1982

Mr. E. J. Remson, Jr.
Commercial District Manager
Shell Oil Co.
Executive Plaza Two, Suite 705
Hunt Valley, Maryland 21031

Re: East Hampton Airport Fuel Tanks

Dear Mr. Remson:

In reference to Councilman Randall T. Parsons letter to you of 15 September 1981 and your reply of 13 November 1981, I am confirming that the Kent-Moore test will be performed by you in accordance with the requirements of the Suffolk County Sanitary Code. As a matter of safety, it would be in the best interest of everyone concerned if all three tanks were tested no later than the end of May, 1982.

Thank you for your prompt attention.

Yours truly,

Richard Cummings
Director, Natural Resources,
Town of East Hampton

cc: Robert Villa, Suffolk County Health Services
Mary Fallon, Supervisor, Town of East Hampton
Town Board
Airport Manager
East Hampton Star

FYI, For your reply

TOWN OF EAST HAMPTON

159 Pantigo Road
East Hampton, New York 11937

RANDALL T. PARSONS
COUNCILMAN

516-267-8440
516-324-2620

June 14, 1982

Mr. James Pim
Suffolk County Department of Health Services
15 Horseblock Place
Farmingville, New York 11738

Dear Mr. Pim:

Part of my responsibility as Councilman is to oversee East Hampton Airport. At the Airport we have two fixed base operators who own underground aviation fuel facilities: Montauk Caribbean Airways and East Hampton Aire, Inc.

I would appreciate knowing the status of the testing of the tanks at those facilities. We are concerned in that they lie above a significant watershed area and any leakage would be a serious problem.

Sincerely,

RANDALL T. PARSONS
Councilman

East Hampton Aire
East Hampton Airport
East Hampton, N.Y. 11937
537-0560
— tank registration

RTP/is

Montauk Caribbean Airways
537-1010
3 10,000 gal tanks
should be tested.

October 18, 1982

Councilman R. Parsons
East Hampton Town Hall
159 Pantigo Road
East Hampton, NY 11937

Re: East Hampton Aire, Inc.
and
Montauk Caribbean Airways

Dear Councilman Parsons:

In regard to your inquiry concerning the above referenced companies presently operating out of the East Hampton Airport, please be advised that Montauk Caribbean Airways has tested one of their three 10,000 gallon tanks and East Hampton Aire, Inc. was required to register their tanks as per my letter to them dated August 19, 1982.

The administration of the tank system tightness test at Montauk Caribbean Airways was done by a firm that is both qualified to do the test and whose equipment and operators are registered with this Department. The testing contractor, Island Pump and Tank, found that the one 10,000 gallon tank storage system was leaking.

It should be noted that a tank storage system consists of the storage tank or tanks and all associated piping such as the vent pipes, the fill pipe and product draw-off line that leads to a pump or dispenser. The leak may not be in the tank itself but could possibly be located in a joint or fitting in the piping system connected to the tank. So far, the contractor has not been empowered to do the necessary excavation work required to determine if a loose or leaking fitting is the cause of the tank failure.

The owner of the storage tanks, Montauk Caribbean Airways, has decided that excavation work done for the purpose of exposing the top of the tank and associated piping to determine the location of any leaks should be combined with other tank work mandated by Federal, State and local regulations.

It should be noted that Montauk Caribbean Airways is required to install certain filtration devices on their dispenser lines to preclude particle contamination of gasoline being pumped from the tank into aircraft fueling systems. The contractor informed me that their gasoline supplier, Gulf Oil Corp., is not making deliveries until the filtration system has been installed. Presently, the 10,000 gallon tank in question has been emptied of its contents and is not being used.

New York State Department of Transportation along with the Suffolk County Department of Health Services is continuing an on-going investigation concerning the matter of Montauk Caribbean Airways. The outcome of the investigation may show that groundwater observation wells and a groundwater monitoring program be put in place at the site of the leaking storage tank to determine if an appreciable amount of product has been leaked into the groundwater aquifer beneath the airport.

In the case of East Hampton Aire, Inc., the tanks at the location are only eight years old and under Suffolk County statute, are not required to be tested until 1984. However, the tanks must be registered with this Department and a letter stating this fact along with the proper registration form has been forwarded to the company.

I hope the above comments satisfy any questions you may have concerning the operation of these two companies. If not, or if you wish to discuss the Department's continuing activities in this area, please do not hesitate to call me.

Very truly yours,

Alexander M. Santino, P.E.
Hazardous Materials Management

AMS:ets

cc: L. Peterec - NYSDOT
D. Gobbi

Reference 8

Correspondence

From: Kevin F. Loyst
Kevin J. Phillips, P.E., Ph.D.
Of: Fanning, Phillips and Molnar Engineers and Geohydrologists

To: Bureau of Hazardous Materials Management
Of: Suffolk County Department of Health Services

Note: Data and Schematics are Included

FANNING, PHILLIPS & MOLNAR
Engineers and Geohydrologists
909 MARCONI AVENUE
RONKONKOMA, NEW YORK 11779

RICHARD FANNING, P.E. (1931-1984)
KEVIN J. PHILLIPS, P.E., Ph.D.
GARY A. MOLNAR, P.E.

516/737-6200
718/767-3337
TELECOPIER 516/737-2410

May 26, 1993

Suffolk County Department of
Health Services
15 Horseblock Road
Farmingville, NY 11738

ATTN: Bureau of Hazardous Materials Mgmt.

RE: ***Former East Hampton Aire Facility, East Hampton, NY***

Dear Sir/Madam:

Transmitted herewith are the following items for SCDHS tank registration:

1. Toxic Liquid Storage Registration Form.

2. Plot Plan identifying the tank location.

3. A check in the amount of $85 made payable to Suffolk County Department of Health Services.

If you should have any questions, please do not hesitate to call.

Very truly yours,

Kevin F. Loyst
Associate Engineer

Kevin J. Phillips, P.E., Ph.D.
Principal, Fanning, Phillips
and Molnar

KFL/KJP:mr
Enclosures

cc: Tony Bullock, Supervisor
mr119

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICE
TOXIC LIQUID STORAGE REGISTRATION FORM

OFFICIAL USE ONLY
Fac. Ref. No. 0 3 0 0 5 2

New ___
Change ___
Add ✓

Principal Property Tax Code District 0 3 0 0 Section 1 9 2 Block 0 4 Lot 0 0 1

Facility Name	No. Street	Community	State	Zip	Phone No.
Former East Hampton Aire Hangar	Industrial & Wainscott NW Roads	East Hampton	NY	11937	324-4140

Tank Owner	No. Street	Community	State	Zip	Phone No.
Town of East Hampton	154 Pantigo Rd	East Hampton	NY	11937	324-4140

Write mat'l. number in left column

*- Designates cathodic protection

TANK NUMBER	ABOVEGROUND	UNDERGROUND	INDOORS	OUTDOORS	CAPACITY (GALLONS)	#	Other Material (Specify)	YEAR INSTALLED	SINGLE WALLED: PLAIN STEEL	SINGLE WALLED: FIBERGLAS	SINGLE WALLED: BUFFHIDE *	SINGLE WALLED: BUFFHIDE	SINGLE WALLED: STIP-3	SINGLE WALLED: ALPHA	SINGLE WALLED: OTHER	DOUBLE WALLED: FIBERGLAS	DOUBLE WALLED: BUFFHIDE *	DOUBLE WALLED: BUFFHIDE	DOUBLE WALLED: STIP-3	DOUBLE WALLED: OTHER	UNKNOWN	DISPENSER: SUBMERSIBLE	DISPENSER: SUCTION	DISPENSER: GRAVITY	DISPENSER: OTHER	FILL: PUMPED	FILL: GRAVITY	FILL: OTHER	OFFICIAL USE ONLY
6		x		x	2000	2		unknown	X						X									x			x		86 HO

1- GASOLINE; 2- #2 FUEL OIL; 3- #4 FUEL OIL; 4- #6 FUEL OIL; 5- KEROSENE; 6- WASTE OIL; 7- DIESEL; 8- ORG. SOLVENT; 9- IND. WASTES; 10- MOTOR OIL; 11- TRANS FLUID; 12- ANTIFREEZE; 13- CAUSTIC; 14- METHANOL; 15- DRUM STOR.

DEW 6/8/93

I certify that information on this application and all attachments have been reviewed and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in this application, I believe that the information is true, accurate, and complete. I understand that false statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Receipt No._____

Amt. of Fee_____

Date	Print Name	Signature	Title
5/26/93	Tony Bullock	Principal Fanning Phillips & Molnar	Supervisor

HMM003 Rev 2/88

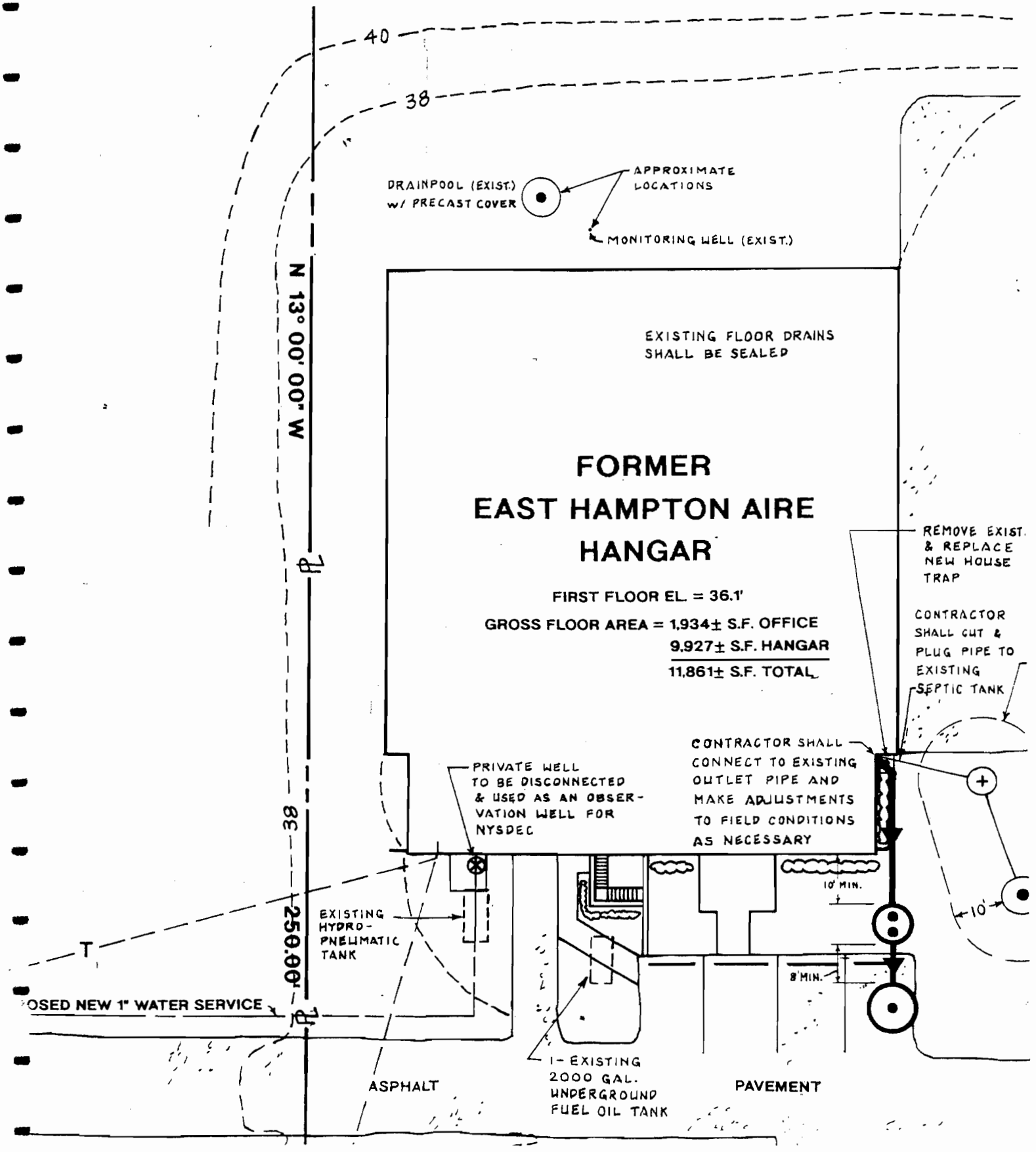
18-262-..3/88

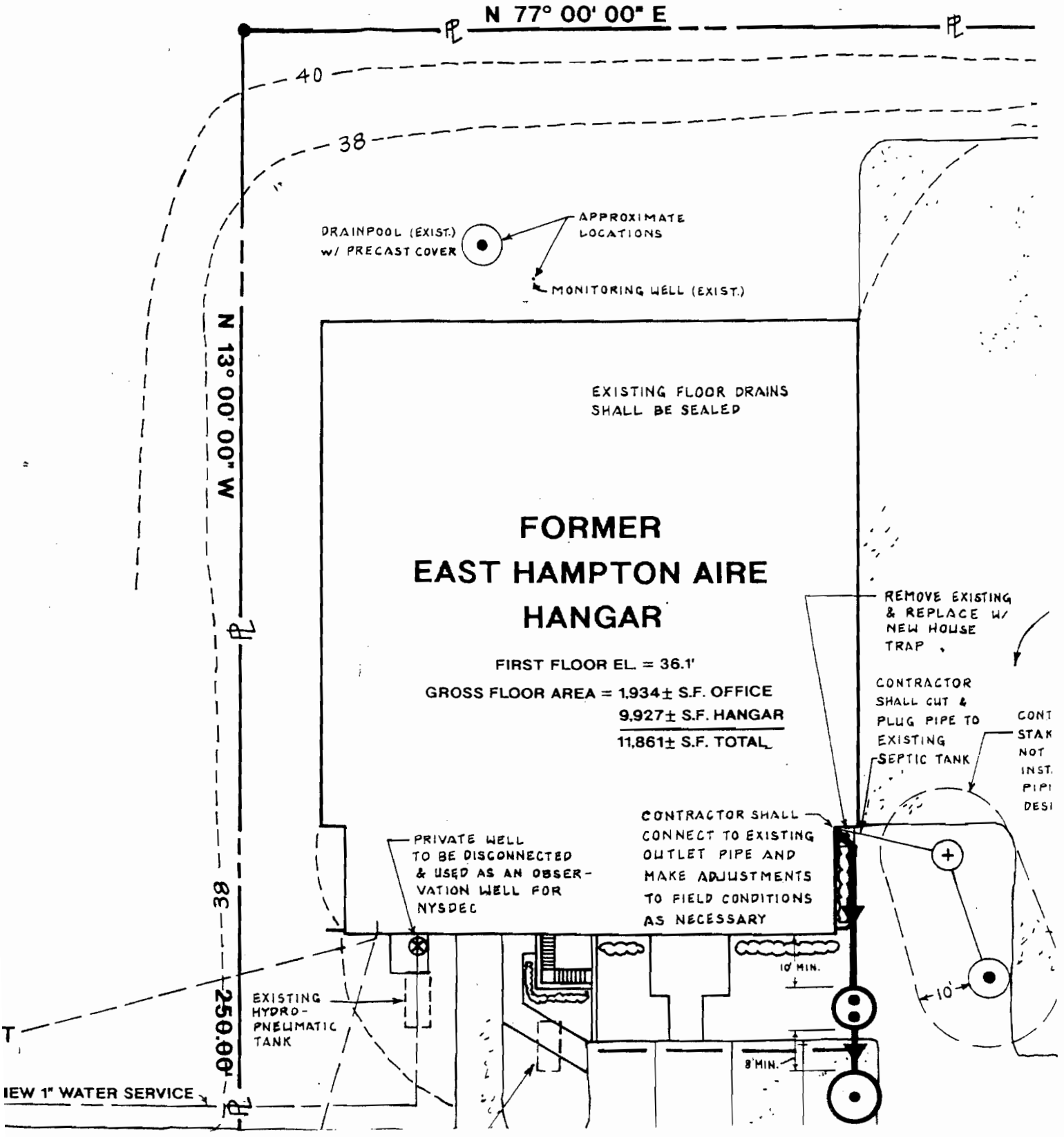
supplied for this project are suitable for the depths and loadings that may be encountered for the various structures indicated on the plans and details. Precast products and certifications shall be as can be supplied by Carlson Precast, Inc. or approved equal.

6. Soil pipe shall be heavy duty cast iron up to the septic tank and PVC (Bell and Spigot, Class SDR 35) after the septic tank.

7. Materials certifications and shop drawings shall be submitted for: precast concrete products, cast iron castings, and soil pipe.

FORMER EAST HAMPTON AIRE HANGAR SANITARY SYSTEM SITE PLAN HYDRAULIC PROFILE, CALCULATIONS, NOTES AND MISCELLANEOUS DETAILS	Drawn By: JDS **Checked By:** KL Scale: 1" = 20'
TOWN OF EAST HAMPTON **EAST HAMPTON, NEW YORK**	Date: 5-26-93 Drawing No.
Fanning, Phillips & Molnar Engineers Plainview New York	Sheet 1 Of 1


40
38
DRAINPOOL (EXIST.)
w/ PRECAST COVER
APPROXIMATE LOCATIONS
MONITORING WELL (EXIST.)
N 13° 00' 00" W
EXISTING FLOOR DRAINS SHALL BE SEALED
FORMER
EAST HAMPTON AIRE
HANGAR
FIRST FLOOR EL. = 36.1'
GROSS FLOOR AREA = 1,934± S.F. OFFICE
9,927± S.F. HANGAR
11,861± S.F. TOTAL
REMOVE EXIST. & REPLACE NEW HOUSE TRAP
CONTRACTOR SHALL CUT & PLUG PIPE TO EXISTING SEPTIC TANK
CONTRACTOR SHALL CONNECT TO EXISTING OUTLET PIPE AND MAKE ADJUSTMENTS TO FIELD CONDITIONS AS NECESSARY
PRIVATE WELL TO BE DISCONNECTED & USED AS AN OBSERVATION WELL FOR NYSDEC
10' MIN.
10'
8' MIN.
EXISTING HYDRO-PNEUMATIC TANK
83
250.00'
OSED NEW 1" WATER SERVICE
ASPHALT
1- EXISTING 2000 GAL. UNDERGROUND FUEL OIL TANK
PAVEMENT


N 77° 00' 00" E
PL
PL
40
38
DRAINPOOL (EXIST.)
w/ PRECAST COVER
APPROXIMATE
LOCATIONS
MONITORING WELL (EXIST.)
N 13° 00' 00" W
PL
EXISTING FLOOR DRAINS
SHALL BE SEALED
FORMER
EAST HAMPTON AIRE
HANGAR
FIRST FLOOR EL. = 36.1'
GROSS FLOOR AREA = 1,934± S.F. OFFICE
9,927± S.F. HANGAR
11,861± S.F. TOTAL
REMOVE EXISTING
& REPLACE W/
NEW HOUSE
TRAP
CONTRACTOR
SHALL CUT &
PLUG PIPE TO
EXISTING
SEPTIC TANK
CONT
STAK
NOT
INST.
PIPI
DESI
CONTRACTOR SHALL
CONNECT TO EXISTING
OUTLET PIPE AND
MAKE ADJUSTMENTS
TO FIELD CONDITIONS
AS NECESSARY
PRIVATE WELL
TO BE DISCONNECTED
& USED AS AN OBSER-
VATION WELL FOR
NYSDEC
10' MIN.
10'
8' MIN.
EXISTING
HYDRO-
PNEUMATIC
TANK
38
250.00'
T
IEW 1" WATER SERVICE
PL

Reference 9

G & M Dege, Inc., Gasoline Pumps & Gas Station Equipment. Data Chart for Tank System Tightness Test.

Telephone: (516) 475-1450

G & M DEGE, Inc.

Gasoline Pumps & Gas Station Equipment
Black Top — Trenching

250 ORCHARD ROAD, EAST PATCHOGUE, NEW YORK 11772

March 24, 1986

1986-143 pg. 516
permit #1, 2, 3 exempt

Alexander M. Santino P. E.
Suffolk County Department of
Health Services
15 Horseblock Place
Farmingville, NY 11738

Gentlemen:

Enclosed herewith is a copy of the Kent-Moore Test report for the following location:

NAME: Easthampton Aire Inc #3052

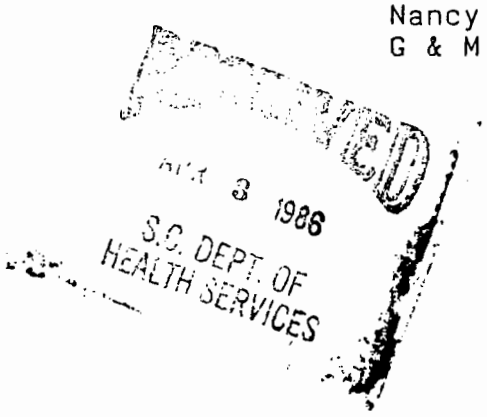
ADDRESS: Industrial Road

CITY, STATE: Wainscott, New York

Date Tested: March 11, 12, 20, 1986

Sincerely yours,

Nancy Gallipoli - Barrie
G & M Dege, Inc.



If solid rock, hardpan or water is encountered in any excavation, there will be an additional charge for its removal.

Data Chart for Tank System Tightness Test

petro tite TANK TESTER

PLEASE PRINT East Hampton Aire Inc.

1. OWNER Property ☐ Tank(s) ☐

Town of Easthampton 159 Patiago Road, East Hampton, NY 537-056(
Name — Address — Representative — Telephone

East Hampton Aire Inc. Industrial Road, Wayne Scott, NY
Name — Address — Representative — Telephone

2. OPERATOR

East Hampton Aire, Inc. Industrial Road, Wayne Scott, NY
Name — Address — Telephone

3. REASON FOR TEST (Explain Fully)

Requested by Suffolk County Health Dept.
Notice # 3052

4. WHO REQUESTED TEST AND WHEN

Mr. Villa — Suffolk County Health Dept.
Name — Title — Company or Affiliation — Date

Riverhead County Center, Riverhead, New York
Address — Telephone

5. WHO IS PAYING FOR THIS TEST?

East Hampton Aire Inc.
Company, Agency or Individual — Person Authorizing — Title — Telephone

P.O. Box CCC, East Hampton, New York 11937
Billing Address — City — State — Zip

Attention of: — Order No. — Other Instructions

6. TANK(S) INVOLVED

Identify by Direction	Capacity	Brand/Supplier	Grade	Approx. Age	Steel/Fiberglass
N-S #2	10,000	Exxon	AVGAS	7	Steel
N-S #1	1,000	Exxon	UNLEADED	7	Steel
N-S #3	6,000	Exxon	AVGAS	7	Steel

7. INSTALLATION DATA

Location	Cover	Fills	Vents	Siphones	Pumps
SOUTH OF HANGER	GRAVEL	6M & 4" 10M & 1M - 2"	6M & 3" 10M & 1M - 2"	———	1M - GASBOY 6M & 10M & TRANS. PUMP
North inside driveway, Rear of station, etc.	Concrete, Black Top, Earth, etc.	Size, Titefill make, Drop tubes, Remote Fills	Size, Manifolded	Which tanks?	Suction, Remote, Make if known

8. UNDERGROUND WATER

Depth to the Water table _____"

Is the water over the tank? ☐ Yes ☐ No

9. FILL-UP ARRANGEMENTS

Tanks to be filled _____ hr. _____ Date Arranged by Steve
Name — Telephone

Extra product to "top off" and run TSTT. How and who to provide? Consider NO Lead.
Drums to be supplied by East Hampton Aire

Terminal or other contact for notice or inquiry Exxon
Company — Name — Telephone

10. CONTRACTOR, MECHANICS, any other contractor involved

G & M Dege, Inc. — Timothy Cerniglia
250 Orchard Road — License #16
East Patchogue, NY 11772

11. OTHER INFORMATION OR REMARKS

Notified Suffolk County Health Dept. Maria - Donna 3/18
Notified Town of East Hampton Judy 3/18 J.11
NOTIFIED D.E.C CARLOS 2:20 P.M. 3/17 Carolos 3/17 pm

Additional information on any items above. Officials or others to be advised when testing is in progress or completed. Visitors or observers present during test etc.

12. TEST RESULTS

Tests were made on the above tank systems in accordance with test procedures prescribed for petro tite TANK TESTER as detailed on attached test charts with results as follows:

Tank Identification	Tight	Leakage Indicated	Date Tested
10,000 AVGAS	-.020		3/11/86
6,000 AVGAS		UNTESTABLE	3/12/86
RETEST → 6,000 AVGAS	+.030		3/20/86
1,000 UNLEADED	+.023		3/12/86

13. CERTIFICATION

This is to certify that these tank systems were tested on the date(s) shown. Those indicated as "Tight" meet the criteria established by the National Fire Protection Association Pamphlet 329.

3/11 & 3/12/86
Date

555/806
Serial No. of Thermal Sensor

Timothy J. Cerniglia
Technicians

G & M Dege, Inc. Nancy Jacinda Barrie
Testing Contractor or Company. By: Signature

250 Orchard Road, East Patchogue, New York 11772
Address

14. Easthampton Air Industrial Road, Wainscott, New York — March 11, 1986

Name of Supplier, Owner or Dealer | Address No. and Street(s) | City | State | Date of Test

Petro Tite TANK TESTER

15. TANK TO TEST

NORTH TO SOUTH #2 — Identity by position

EXXON JET AVGAS — Brand and Grade

16. CAPACITY

Nominal Capacity 10,000 Gallons

By most accurate capacity chart available 10,112 Gallons

Is there doubt as to True Capacity? ☐ NO

See Section "DETERMINING TANK CAPACITY"

From
- ☒ Station Chart
- ☒ Tank Manufacturer's Chart
- ☐ Company Engineering Data
- ☐ Charts supplied with petro tite TANK TESTER
- ☐ Other

17. FILL-UP FOR TEST

Stick Water Bottom before Fill-up 0 to ⅛ in. " 0 Gallons

Fill up. STICK BEFORE AND AFTER EACH COMPARTMENT DROP OR EACH METERED DELIVERY QUANTITY

Tank Diameter 96"

	Stick Readings to ⅛ in.	Gallons	Total Gallons ea. Reading
Inventory	96"		10,012
		TOP OFF	+ 10
Product in full tank (up to fill pipe)	96"		10,022

18. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK

See manual sections applicable. Check below and record procedure in log (26).

☐ Water in tank NO ☐ High water table in tank excavation NO ☐ Line(s) being tested with EVLLT NO

Observed API Gravity 66.1

Observed Temperature 40°

Corrected API Gravity @ 60 Degrees 68.7

VAPOR RECOVERY SYSTEM
☐ Stage I ☐ Stage II NONE

HEATH CONSULTANTS
100 TOSCA DRIVE
P.O. BOX CS-200
STOUGHTON, MA. 02072-1591
(617) 344-1400

19. TANK MEASUREMENTS FOR TSTT ASSEMBLY

Bottom of tank to Grade*	129 "
Add 30" for 4" L	30 "
Add 24" for 3" L or air seal	"
Total tubing to assemble Approximate	159 "

20. EXTENSION HOSE SETTING

Tank top to grade*	33 "
Extend hose on suction tube 6" or more below tank top	"

*If Fill pipe extends above grade, use top of fill.

21. TEMPERATURE/VOLUME FACTOR (a) TO TEST THIS TANK

Is Today Warmer? ☐ Colder? ☐ ___° F Product in Tank ___° F Fill-up Product on Truck ___° F Expected Change (+ or −)

22. Thermal-Sensor reading after circulation 05870 digits 39/40 Nearest °F

23. Digits per °F in range of expected change 313 digits

24. 10,022 (total quantity in full tank (16 or 17)) × .00067597 (coefficient of expansion for involved product) = 6.7745713 (volume change in this tank per °F) gallons

25. 6.7745713 (volume change per °F (24)) ÷ 313 (Digits per °F in test Range (23)) = .021644 (Volume change per digit. Compute to 4 decimal places.) (.0216) This is test factor (a)

26. LOG OF TEST PROCEDURES			30. HYDROSTATIC PRESSURE CONTROL		31. VOLUME MEASUREMENTS (V) RECORD TO .001 GAL.			34. TEMPERATURE COMPENSATION USE FACTOR (a)			38. NET VOLUME CHANGES EACH READING	39. ACCUMULATED CHANGE
27. DATE / TIME (24 hr.)	28. Record details of setting up and running test. (Use full length of line if needed.)	29. Reading No.	Standpipe Level in Inches: Beginning of Reading	Standpipe Level in Inches: Level to which Restored	32. Product in Graduate: Before Reading	Product in Graduate: After Reading	Product Replaced (−) / Product Recovered (+)	35. Thermal Sensor Reading	36. Change Higher + Lower − (c)	37. Computation (c) × (a) = Expansion + Contraction −	Temperature Adjustment / Volume Minus Expansion (+) or Contraction (−) #33(V) − #37(T)	At High Level record Total End Deflection / At Low Level compute Change per Hour (NFPA criteria)
12:30	TOOK TANK BURIAL DIMENSIONS / CHECKED FOR WATER / SET UP K/M EQUIPMENT											
13:00	PULL DOWN AIR RUNNING / BLED AIR ELIMINATOR / CHECKED VENT											
15:00	START TEST RUNNING / BLED AIR ELIMINATORS / CHECKED VENT CHECKED ALL FITTINGS AND CONNECTIONS. / BLED REMOTE FILL											

	CHECKED ALL FITTINGS		AND	CONNECTIONS.		BLED	REMOTE FILL					
14:15	IST SENSOR READING			42			05	870					(.0216)
14:30	IST HI-LEVEL READING	1	41.0	42	.950	.790	-.160	863	-7	-.151	-.009	✓
14:45		2	41.0	42	.790	.630	-.160	860	-3	-.065	-.095	✓
15:00		3	41.4	42	.630	.530	-.100	860	0	.000	-.100	✓
15:15		4	41.5	42	.530	.450	-.080	860	0	.000	-.080	✓
15:30		5	41.8	42	.450	.410	-.040	861	+1	+.022	-.062	✓
15:45		6	42.0	42	.410	.410	.000	863	+2	+.043	-.043	✓
16:00		7	42.0	42	.410	.410	.000	865	+2	+.043	-.043	✓
16:15		8	42.2	42	.410	.450	+.040	868	+3	+.065	-.025	✓
	HI-LEVEL RESULTS						.000			+.173	-.173	✓
16:15	DROPPED TO LOW-LEVEL			12								
16:30	IST LOW LEVEL READING	1	12.5	12	.090	.170	+.080	872	+4	+.086	-.006	✓
16:45		2	12.5	12	.170	.250	+.080	876	+4	+.086	-.006	✓
17:00		3	12.4	12	.250	.320	+.070	879	+3	+.065	+.005	✓
17:15		4	12.4	12	.320	.390	+.070	883	+4	+.086	-.016	✓
17:30		5	12.2	12	.390	.430	+.040	885	+2	+.043	-.003	✓
17:35	TEST STOPPED TANK				Check		+.260			+.280	-.020	✓ ngb
	SYSTEM TIGHT -.020											

14. Easthampton Aire Industrial Road, Wainscott, New York — March 20 1986

Name of Supplier, Owner or Dealer | Address No. and Street(s) | City | State | Date of Test

Petro Tite TANK TESTER

15. TANK TO TEST

NORTH TO SOUTH #3
Identity by position

EXXON JET AVGAS
Brand and Grade

16. CAPACITY

Nominal Capacity 6000 Gallons

By most accurate capacity chart available 6047 Gallons

Is there doubt as to True Capacity? ☐ NO
See Section "DETERMINING TANK CAPACITY"

From
- ☐ Station Chart
- ☒ Tank Manufacturer's Chart
- ☐ Company Engineering Data
- ☐ Charts supplied with Petro Tite TANK TESTER
- ☐ Other

17. FILL-UP FOR TEST

Stick Water Bottom before Fill-up 0 " to ⅛ in. — 0 Gallons

Fill up. STICK BEFORE AND AFTER EACH COMPARTMENT DROP OR EACH METERED DELIVERY QUANTITY

Tank Diameter 96"

	Stick Readings to ⅛ in.	Gallons	Total Gallons ea. Reading
Inventory	96"		6047
		TOP OFF	+10
Product in full tank (up to fill pipe)	96"		6057

18. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK

See manual sections applicable. Check below and record procedure in log (26).

☐ Water in tank NO ☐ High water table in tank excavation NO ☐ Line(s) being tested with LVLT NO

Observed API Gravity 64.2
Observed Temperature 41°
Corrected API Gravity @ 60 Degrees 66.6

VAPOR RECOVERY SYSTEM
☐ Stage I N/A
☐ Stage II

19. TANK MEASUREMENTS FOR TSTT ASSEMBLY

Bottom of tank to Grade*	133 "
Add 30" for 4" L	30 "
Add 24" for 3" L or air seal	"
Total tubing to assemble Approximate	163 "

20. EXTENSION HOSE SETTING

Tank top to grade*	37 "
Extend hose on suction tube 6" or more below tank top	"

*If Fill pipe extends above grade, use top of fill.

21. TEMPERATURE/VOLUME FACTOR (a) TO TEST THIS TANK

Is Today Warmer? ☐ Colder? ☐ ___° F Product in Tank ___° F Fill-up Product on Truck ___° F Expected Change (+ or −)

22. Thermal-Sensor reading after circulation 06220 digits — 40/41 Nearest °F

23. Digits per °F in range of expected change 318 digits

24. 6057 total quantity in full tank (16 or 17) × .00066106 coefficient of expansion for involved product = 4.0040404 volume change in this tank per °F — gallons

25. 4.0040404 volume change per °F (24) + 318 Digits per °F in test Range (23) = .01259132 Volume change per digit. Compute to 4 decimal places. (.0126) This is test factor (a)

HEATH CONSULTANTS
100 TOSCA DRIVE
P.O. BOX CS-200
STOUGHTON, MA. 02072-1591
(617) 344-1400

26. LOG OF TEST PROCEDURES			30. HYDROSTATIC PRESSURE CONTROL		31. VOLUME MEASUREMENTS (V) RECORD TO .001 GAL.			34. TEMPERATURE COMPENSATION USE FACTOR (a)			38. NET VOLUME CHANGES EACH READING	39. ACCUMULATED CHANGE
27. DATE / TIME (24 hr.)	28. Record details of setting up and running test. (Use full length of line if needed.)	29. Reading No.	Standpipe Level in Inches: Beginning of Reading	Standpipe Level in Inches: Level to which Restored	32. Product in Grnduate: Before Reading	32. Product in Grnduate: After Reading	Product Replaced (−) / Product Recovered (+)	35. Thermal Sensor Reading	36. Change Higher + Lower − (c)	37. Computation (c) × (a) = Expansion + Contraction −	Temperature Adjustment / Volume Minus Expansion (+) or Contraction (−) #33(V) − #37(T)	At High Level record Total End Deflection / At Low Level compute Change per Hour (NFPA criteria)
	NOTE: THIS IS A RETEST / AFTER ATTEMPTS TO K/H TEST TANK FAILED ON											
	3/12/86 / DUG UP AND EXPOSED ENTIRE TANK TOP / FOUND LOOSE 2"											
	RISER, LOOSE 4" PLUGS AND LEAKING MANWAY GASKET.											

	TIGHTENED ALL FITTINGS / REPLACED MANWAY GASKET											
13:15	TOOK TANK BURIAL DIMENSIONS / CHECKED FOR WATER / SET UP K/H EQUIPMENT.											
	PUMP PRIMED AND RUNNING / BLED AIR ELIMINATORS / CHECKED VENT / CHECKED											
	ALL FITTINGS AND CONNECTIONS											
13:45	1ST SENSOR READING			42			06	220				(.0126)
14:15	1ST HI-LEVEL READING	1	42.0	42	.370	.370	.000	186	-34	-.428	+.428	✓
14:30		2	42.0	42	.370	.370	.000	195	+9	+.113	-.113	✓
14:45		3	42.6	42	.370	.440	+.070	200	+5	+.063	+.007	✓
15:00		4	43.1	42	.440	.560	+.120	210	+10	+.126	-.006	✓
15:15		5	43.0	42	.560	.670	+.110	219	+9	+.113	-.003	✓
15:30		6	43.0	42	.670	.780	+.110	228	+9	+.113	-.003	✓
15:45		7	43.0	42	.780	.890	+.110	239	+11	+.139	-.029	✓
16:00		8	43.1	42	.360	.480	+.120	251	+12	+.151	-.031	✓
	HI-LEVEL RESULTS						+.450 ✓			+.516 ✓	-.066	✓✓
16:00	DROPPED TO LOW-LEVEL			12								
16:15	1ST LOW-LEVEL READING	1	14.0	12	.030	.250	+.220	264	+13	+.164	+.056	✓
16:30		2	13.6	12	.250	.390	+.140	274	+10	+.126	+.014	✓
16:45		3	13.6	12	.390	.530	+.140	285	+11	+.139	+.001	✓
17:00		4	13.8	12	.530	.700	+.170	298	+13	+.164	+.006	✓
17:15		5	13.7	12	.700	.860	+.160	310	+12	+.151	+.009	✓
17:20	TEST STOPPED TANK				CHECK		+.610 ✓			+.580 ✓	+.030	✓✓ AGB
	SYSTEM TIGHT +.030 ✓✓											

14. Easthampton Aire Industrial Road, Wainscott, New York — March 12, 19

Name of Supplier, Owner or Dealer | Address No. and Street(s) | City | State | Date of Test

Petro Tite TANK TESTER

15. TANK TO TEST

NORTH TO SOUTH #1
Identity by position

EXXON UNLEADED
Brand and Grade

16. CAPACITY

Nominal Capacity 1000 Gallons

By most accurate capacity chart available 1002 Gallons

Is there doubt as to True Capacity? ☐ NO
See Section "DETERMINING TANK CAPACITY"

From
- ☐ Station Chart
- ☒ Tank Manufacturer's Chart
- ☐ Company Engineering Data
- ☐ Charts supplied with petro tite TANK TESTER
- ☐ Other

17. FILL-UP FOR TEST

Stick Water Bottom before Fill-up 0 to ⅛ in. " 0 Gallons

Fill up. STICK BEFORE AND AFTER EACH COMPARTMENT DROP OR EACH METERED DELIVERY QUANTITY

Tank Diameter 48"

	Stick Readings to ⅛ in.	Gallons	Total Gallons ea. Reading
Inventory	48"		1002
		TOP OFF	+10
Product in full tank (up to fill pipe)	48"		1012

HEATH CONSULTANTS
100 TOSCA DRIVE
P.O. BOX CS-200
STOUGHTON, MA. 02072-1591
(617) 344-1400

18. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK

See manual sections applicable. Check below and record procedure in log (26).

☐ Water in tank NO ☐ High water table in tank excavation NO ☐ Line(s) being tested with LVLT NO

Observed API Gravity 64.2
Observed Temperature 45°
Corrected API Gravity @ 60 Degrees 66.1

VAPOR RECOVERY SYSTEM
☐ Stage I ☐ Stage II NONE

19. TANK MEASUREMENTS FOR TSTT ASSEMBLY

Bottom of tank to Grade*	83 "
Add 30" for 4" L	30 "
Add 24" for 3" L or air seal	"
Total tubing to assemble Approximate	113 "

20. EXTENSION HOSE SETTING

Tank top to grade*	35 "
Extend hose on suction tube 6" or more below tank top	"

*If Fill pipe extends above grade, use top of fill.

21. TEMPERATURE/VOLUME FACTOR (a) TO TEST THIS TANK

Is Today Warmer? ☐ Colder? ☐ ___° F Product in Tank ___° F Fill-up Product on Truck ___° F Expected Change (+ or −)

22. Thermal-Sensor reading after circulation 07511 digits — 44/45 Nearest °F

23. Digits per °F in range of expected change 320 digits

24. 1012 (total quantity in full tank (16 or 17)) × .00065751 (coefficient of expansion for involved product) = .66540012 gallons (volume change in this tank per °F)

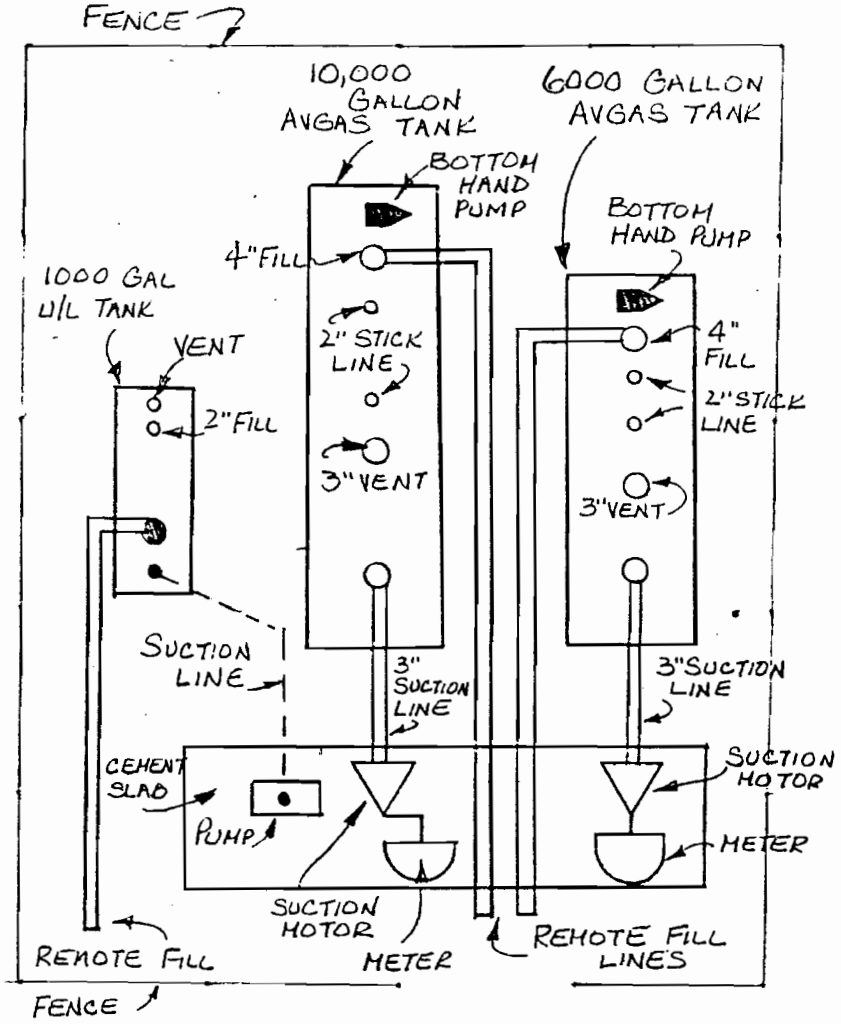
25. .66540012 (volume change per °F (24)) ÷ 320 (Digits per °F in test Range (23)) = .00207938 (Volume change per digit. Compute to 4 decimal places.) (.0021 This is test factor (a))

26. LOG OF TEST PROCEDURES			30. HYDROSTATIC PRESSURE CONTROL		31. VOLUME MEASUREMENTS (V) RECORD TO .001 GAL.			34. TEMPERATURE COMPENSATION USE FACTOR (a)			38. NET VOLUME CHANGES EACH READING	39. ACCUMULATED CHANGE
27. DATE / TIME (24 hr.)	28. Record details of setting up and running test. (Use full length of line if needed.)	29. Reading No.	Standpipe Level in Inches: Beginning of Reading	Level to which Restored	32. Product in Graduate: Before Reading	After Reading	Product Replaced (−) / Product Recovered (+)	35. Thermal Sensor Reading	36. Change Higher + Lower − (c)	37. Computation (c) × (a) = Expansion + Contraction −	Temperature Adjustment / Volume Minus Expansion (+) or Contraction (−) #33(V) − #37(T)	At High Level record Total End Deflection / At Low Level compute Change per Hour (NFPA criteria)
09:30	TOOK TANK BURIAL DIMENSIONS / CHECKED FOR WATER / INSTALLED 2"X4" ADAPTER											
	WITH 4" RISER PIPE ONTO EXISTING 2" FILL PIPE TO ACCOMODATE K/M											
	EQUIPTMENT / SET UP K/M EQUIPTMENT.											

10:00	PUMP PRIMED AND RUNNING / BLED AIR ELIMINATOR / CHECKED								VENT	/ CHECKED		
	ALL FITTINGS AND CONNECTIONS											
10:15	1ST SENSOR READING			42			07	511				(.0021)
10:30	1ST HI-LEVEL READING	1	42.4	42	.310	.350	+.040	525	+14	+.029	+.011	✓
10:45		2	42.5	42	.350	.400	+.050	549	+24	+.050	.000	✓
11:00		3	42.5	42	.400	.450	+.050	581	+32	+.067	-.017	✓
11:15		4	42.4	42	.450	.490	+.040	618	+37	+.078	-.038	✓
	HI-LEVEL RESULTS						+.180			+.224	-.044	✓
11:15	DROPPED TO LOW-LEVEL			12								
11:30	1ST LOW-LEVEL READING	1	12.9	12	.040	.130	+.090	657	+39	+.082	+.008	✓
11:45		2	12.9	12	.130	.220	+.090	697	+40	+.084	+.006	✓
12:00		3	13.0	12	.220	.320	+.100	741	+44	+.092	+.008	✓
12:15		4	13.0	12	.320	.420	+.100	785	+44	+.092	+.008	✓
12:30		5	13.0	12	.420	.520	+.100	832	+47	+.099	+.001	✓
12:35	TEST STOPPED TANK				Check		+.390			+.367	+.023	✓ ngb
	SYSTEM TIGHT +.023											

HANGER
&
OFFICE

E
N S
W



INDUSTRIAL ROAD

WAINSCOTT N/W ROAD

EASTHAMPTON AIRE INC.
INDUSTRIAL ROAD
WAINSCOTT N.Y.
I.D. # 3052

By. G.H. DEGE
TIM CERNIGLIA

Reference 10

Correspondence

From: Alexander M. Santino, P.E.
Of: Office of Pollution Control
Department of Health Services

To: Tony Bullock
Of: Town of East Hampton

Note: Data, Memo, and Schematic Included

FILE
3-0052

COUNTY OF SUFFOLK

ROBERT J. GAFFNEY
SUFFOLK COUNTY EXECUTIVE

DEPARTMENT OF HEALTH SERVICES

MARY E. HIBBERD, M.D., M.P.H.
COMMISSIONER

March 3, 1993

TOWNSHIP OF EAST HAMPTON
159 PANTIGO ROAD
EAST HAMPTON, N.Y. 11937

Attn: Tony Bullock
Supervisor, Town of East Hampton

Re: East Hampton Aire, Inc.
Industrial Road
East Hampton, N.Y.
SCDHS Facility #3-0052
OC #T5-90-0830

Gentlemen:

The Department of Health Services recently learned that the above referenced company, East Hampton Aire, Inc., discontinued its operations and abandoned all of its facilities at the Town's airport. As a consequence of East Hampton Aire's actions, the ownership of the building and the storage tanks at East Hampton Aire's fuel farm reverted to the Town.

Attached to this letter is a print-out of the tanks owned and operated by East Hampton Aire, Inc. The listing shows that the underground tanks were removed on December 31, 1990 and a search of the Department's records indicate that the 10,000 gallon double walled fiberglas tank was never installed.

However, there is a 10,000 gallon above ground tank located on the north side of the hangar building that must be either removed from the site if it is no longer active or placed in a temporarily out of service condition until such time a determination can be made to upgrade and reactivate the tank.

Please notify this office by March 17, 1993 as to the disposition of the above ground tank.

13 HORSEBLOCK PLACE ▪ FARMINGVILLE, NEW YORK 11738-1220 ▪ (516) 854-25
FAX #854-2505

(East Hampton Aire, Inc., con't.)

If you require additional information concerning this matter, the office telephone number is (516) 854-2509.

Very truly yours,

Alexander M. Santino, P.E.
Senior Public Health Engineer
Office of Pollution Control

Enc.

AMS/lr

cc: Ed Kasprowicz
James C. Maloney, P.E.

Art 12 Reg No. 3-0052 *EAST HAMPTON AIRE INC* File Ref No 3-13948

Tank listing as of 03-03-93

No.	Location	Vol	Contents	Constr	Status	Job No	Removed Permited
1	UNDER OUT	6000	GASOLINE	PLNSTL	90REM		12/31/90
2	UNDER OUT	10000	GASOLINE	PLNSTL	90REM		12/31/90
3	UNDER OUT	1000	GASOLINE	PLNSTL	90REM		12/31/90
4	ABOVE OUT	10000	KEROSENE	PLNSTL	82		
5	UNDER OUT	10000	GASOLINE	DWFRP	95P	HM89-729	

FIRE MARSHAL
TOWN OF EAST HAMPTON

159 Pantigo Road
East Hampton, New York 11937

David A. DiSunno
Chief Fire Marshal

(516) 267-8585

MEMORANDUM

TO: John Gladysz
Department of Health Services

FROM: David A. DiSunno
Chief Fire Marshal

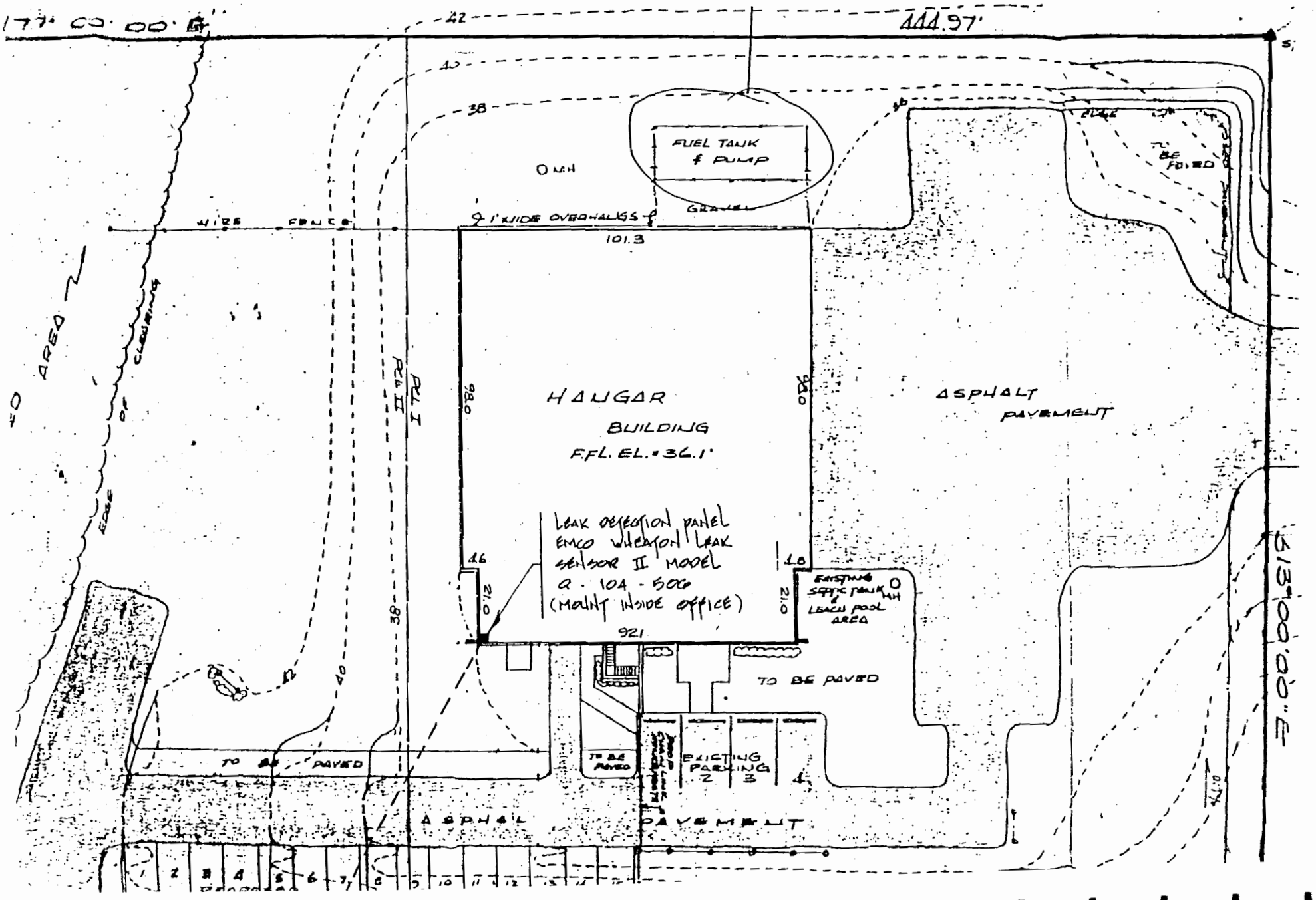
DATE: January 2, 1991

RE: East Hampton Aire, Inc.
Tank Removal
Wainscott North West Road, East Hampton
SCTM#: 300-180-01-8.7

Inspection of the above site on January 2, 1991, found three fuel tanks (one 1,000/one 6,000/one 10,000 gallon) resting above ground and being prepared for Gershow recycling. Tanks were in excellent condition and no spill was noted in any of the holes.

DAD/sm

cc: Natural Resources


177° 00' 00" E
444.97'
42
38
FUEL TANK & PUMP
O MH
GRAVEL
WIRE FENCE
2 1' WIDE OVERHANGS
101.3
HANGAR
BUILDING
F.F.L. EL. = 36.1'
98.0
98.0
LEAK OBSERVATION PANEL
EMCO WHEATON LEAK SENSOR II MODEL
Q - 104 - 500
(MOUNT INSIDE OFFICE)
1.6
1.6
21.0
21.0
92.1
EXISTING SEPTIC TANK & LEACH POOL AREA
O MH
ASPHALT PAVEMENT
TO BE PAVED
TO BE PAVED
TO BE PAVED
EXISTING PARKING
2
3
4
ASPHALT PAVEMENT
EDGE
TO BE FILLED
EDGE OF CLEARING
AREA
PLI
PLII
S 13° 00' 00" E

Reference 11

Correspondence

From: D. C. Gobbi, R.S.
Of: Investigation Services Bureau
Suffolk County Department of Health Services

To: Jack Roddy
Of: Hull & Roddy, Inc.

COUNTY OF SUFFOLK

ROBERT J. GAFFNEY
SUFFOLK COUNTY EXECUTIVE

DEPARTMENT OF HEALTH SERVICES

MARY E. HIBBERD, M.D., M.P.H.
COMMISSIONER

December 8, 1995

Hull & Roddy, Inc.
Shore Road
P.O. Box 2147
Montauk, New York 11954

Attention: Jack Roddy

Re: ***Environmental Remediation***
East Hampton Airport

Gentlemen:

This correspondence is to advise you that a review of the procedures utilized during cleanup activities conducted by Berninger Environmental on December 5, 1995, has been completed.

Based on this review and end point sample results, it has been determined that no further extraction is required. Therefore, the excavation should be filled in with suitable material without further delay.

Please forward copies of your waste disposal manifest receipts so that our file is complete and accurate.

Should you have any concerns, feel free to contact the undersigned at 854-2514.

Sincerely,

D.C. Gobbi, R.S.
Senior Public Health Sanitarian
Inspection Services Bureau

DCG:lc

15 HORSEBLOCK PLACE • FARMINGVILLE, NEW YORK 11738-1220 • (516) 854-25
FAX #854-25C

Reference 12

EDR-Radius Map with GeoCheck. East Hampton Aire, June 21, 2000.

The EDR-Radius Map
with GeoCheck®

East Hampton Aire
90 Industrial Rd
Wainscott, NY 11937

Inquiry Number: 509721.1s

June 21, 2000

Environmental Data Resources, Inc.
an edr company

The Source For Environmental Risk Management Data

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

TABLE OF CONTENTS

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-97. Search distances are per ASTM standard or custom distances requested by the user.

TARGET PROPERTY ADDRESS

90 INDUSTRIAL RD
WAINSCOTT, NY 11937

TARGET PROPERTY COORDINATES

Latitude (North):	40.956700 - 40° 57' 24.1"
Longitude (West):	72.250400 - 72° 15' 1.4"
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	731415.8
UTM Y (Meters):	4537380.0

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: 2440072-H3 SAG HARBOR, NY
Source: USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS
The target property was identified in the following government records. For more information on this property see page 5 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
EAST HAMPTON AIR INDUSTRIAL RD / WAYNES COAT EAST HAMPTON, NY	NY Spills	N/A
EAST HAMPTON AIRE INC INDUSTRIAL RD EAST HAMPTON, NY 11937	UST	N/A
EAST HAMPTON AIRE INC INDUSTRIAL RD EAST HAMPTON, NY 11937	AST	N/A

SURROUNDING SITES: DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the ASTM E 1527-97 search radius around the target property for the following Databases:

FEDERAL ASTM STANDARD

NPL: National Priority List
Delisted NPL: NPL Deletions
CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP: Comprehensive Environmental Response, Compensation, and Liability Information System
CORRACTS: Corrective Action Report

EXECUTIVE SUMMARY

RCRIS-TSD: Resource Conservation and Recovery Information System
RCRIS-LQG: Resource Conservation and Recovery Information System
RCRIS-SQG: Resource Conservation and Recovery Information System
ERNS: Emergency Response Notification System

STATE ASTM STANDARD

SWF/LF: Facility Register
CBS UST: Chemical Bulk Storage (CBS) Database
MOSF UST: Major Oil Storage Facilties Database

FEDERAL ASTM SUPPLEMENTAL

CONSENT: CONSENT
ROD: ROD
FINDS: Facility Index System/Facility Identification Initiative Program Summary Report
HMIRS: Hazardous Materials Information Reporting System
MLTS: Material Licensing Tracking System
MINES: Mines Master Index File
NPL Lien: NPL Liens
PADS: PCB Activity Database System
RAATS: RCRA Administrative Action Tracking System
TRIS: Toxic Chemical Release Inventory System
TSCA: Toxic Substances Control Act

STATE OR LOCAL ASTM SUPPLEMENTAL

HSWDS: Hazardous Substance Waste Disposal Site Inventory
CBS AST: Chemical Bulk Storage (CBS) Database
MOSF AST: Major Oil Storage Facilities Database
VCP: Voluntary Cleanup Agreement

EDR PROPRIETARY DATABASES

Coal Gas: Former Manufactured gas (Coal Gas) Sites.

SURROUNDING SITES: DATABASES WITH MAPPED SITES

Unmapped (orphan) sites are not considered in the foregoing analysis.

Elevations have been determined from the USGS 1 degree Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. EDR's definition of a site with an elevation equal to the target property includes a tolerance of +/- 10 feet. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property (by more than 10 feet). Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

STATE ASTM STANDARD

SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using

state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Conservation's Inactive Hazardous waste Disposal Sites in New York State.

A review of the SHWS list, as provided by EDR, has revealed that there is 1 SHWS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
EAST HAMPTON AIRE	HANGER "L", EAST HAMPTO	0 - 1/8 SSW	4	7

LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

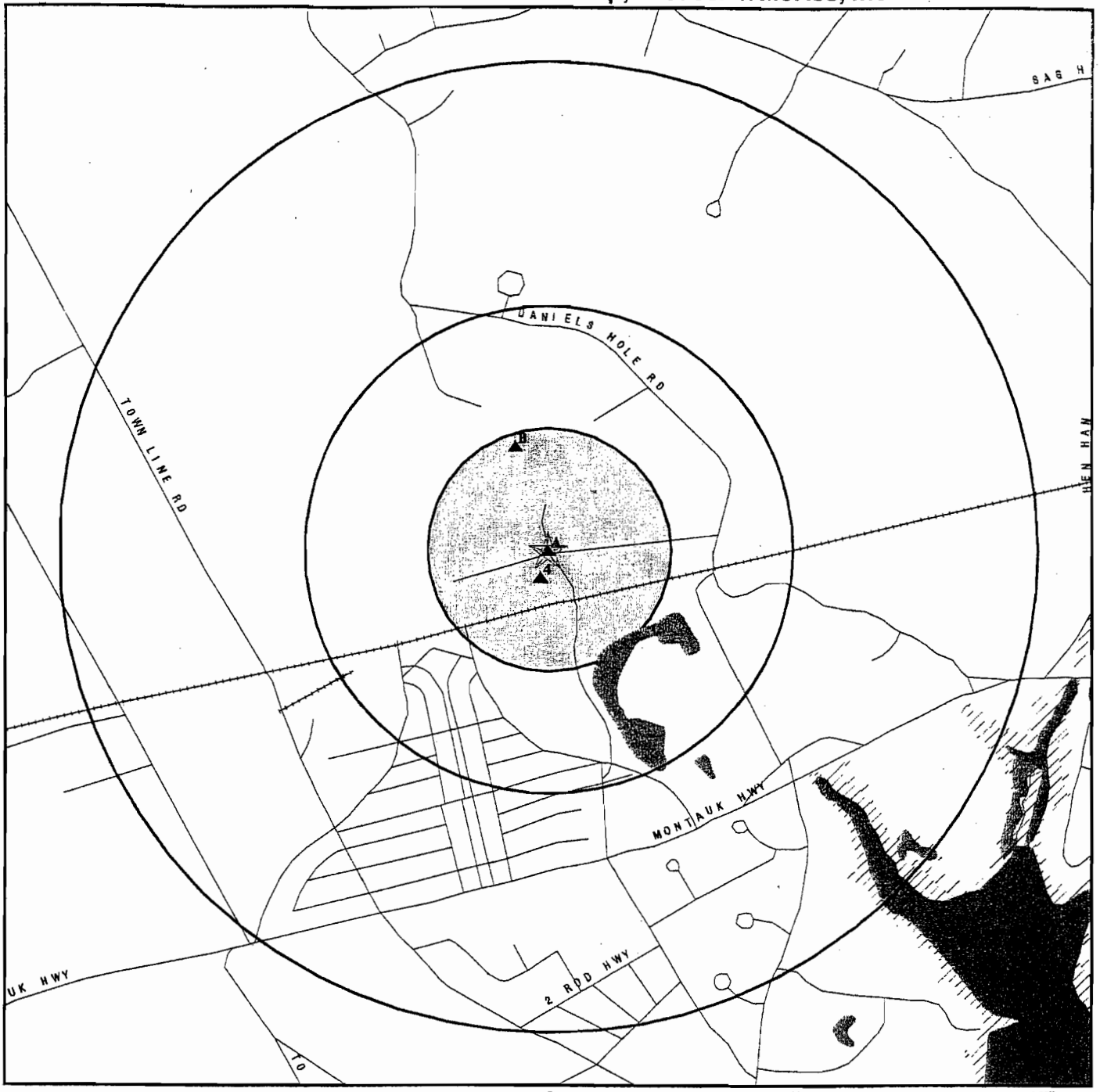
A review of the LTANKS list, as provided by EDR, and dated 01/01/2000 has revealed that there are 2 LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
EAST HAMPTON AIRPORT	***INDUSTRIAL ROAD***	***1/8 - 1/4 NNW***	***B5***	***8***
EASTHAMPTON AIRPORT	DANIEL SHORE RD	1/8 - 1/4 NNW	B6	9

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
SAG HARBOR GAS PLANT	SHWS
SOUTHAMPTON BRICK & STONE	LTANKS
A R H INDUSTRIES	LTANKS
LIVING WATER FULL GOSPEL	LTANKS
MARCH EQUIPMENT	UST
SCWA BRIDGEHAMPTON RD PUMP STA	UST
THE CREEKS ACQUISITION CORP	UST
J D THOKRAL & ASSOC STORES	UST
GETTY S/S #58142	UST
LILCO EAST HAMPTON GEN STATION	UST
PRIVATE RESIDENCE	UST
EAST HAMPTON LIBRARY	UST
SCDPW EAST HAMPTON HIGHWAY YAR	UST
SPRINGS GENERAL STORE	UST
PLITT FORD MERCURY	UST
ROBERT E OTTO INC	UST
PRIVATE RESIDENCE	UST
KALISMAN RESIDENCE	UST
APPLE EAST	UST
IRENE JOHNSON	UST
WDI-EAST HAMPTON	UST
EAST HAMPTON HOUSING AUTHORITY	AST
LILCO EAST HAMPTON GEN STATION	AST
TOWN OF EAST HAMPTON COMPOSTIN	AST
SCDPW EAST HAMPTON HIGHWAY YAR	AST
APPLE EAST	AST
EAST HAMPTON VILLAGE OF DPW	RCRIS-SQG,FINDS
LILCO - EAST HAMPTON I C SITE	RCRIS-SQG,FINDS
LILCO - EAST HAMPTON ICF	FINDS
EAST HAMPTON AIRPORT	NY Spills
EAST HAMPTON AIRPORT	NY Spills
EAST HAMPTON AIRPORT	NY Spills
EAST HAMPTON PT	NY Spills
EAST HAMPTON LANDFILL	NY Spills
EAST HAMPTON SPAR DOCK	NY Spills
EAST HAMPTON AIRPORT	NY Spills
TOWN OF EAST HAMPTON	NY Spills
EASTHAMPTON DISTRICT OFFICE	CBS AST

OVERVIEW MAP - 509721.1s - Camp, Dresser & McKee, Inc.

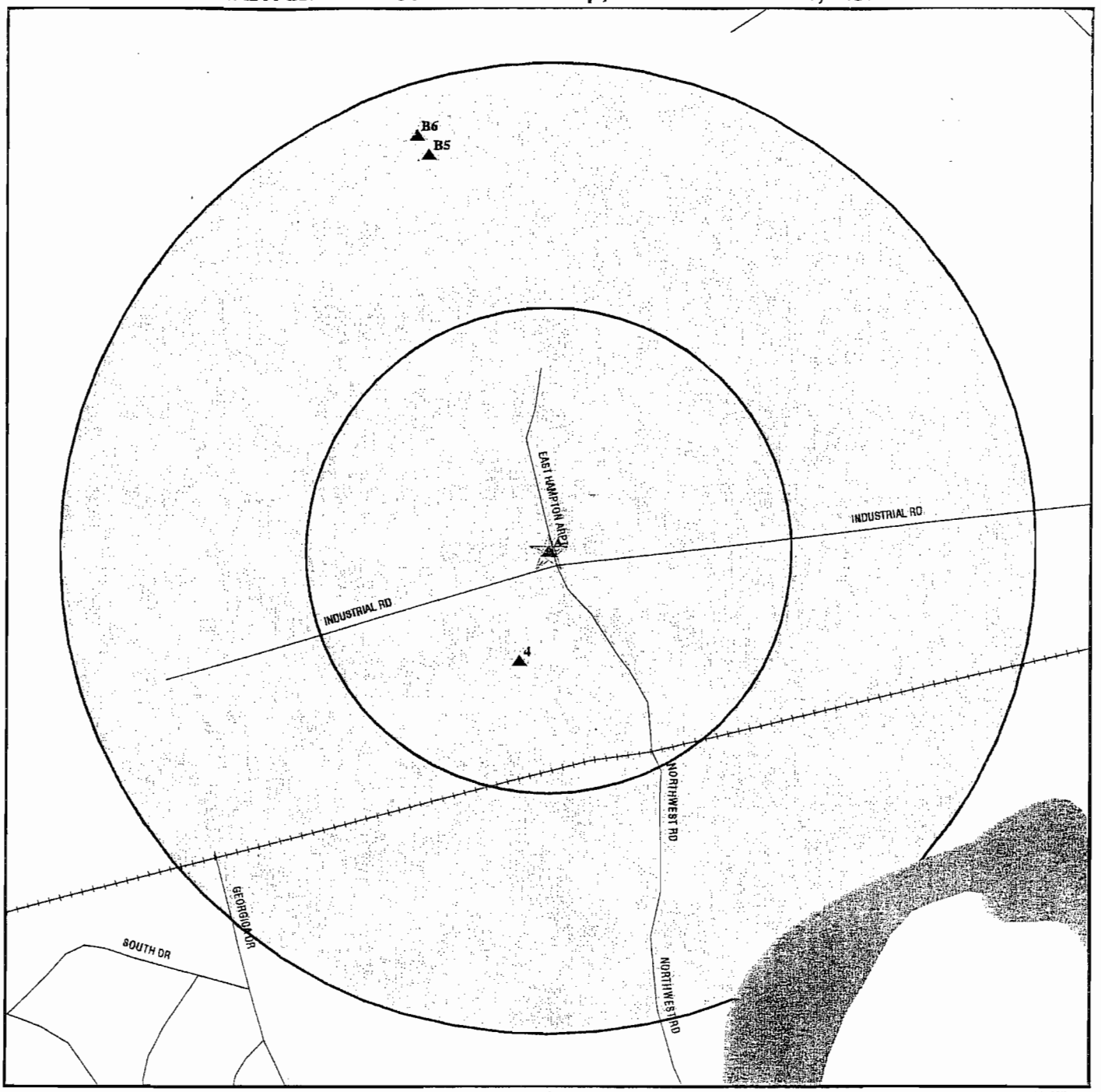


0 1/4 1/2 1 Miles

- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ♟ Coal Gasification Sites (if requested)
- National Priority List Sites
- Landfill Sites
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Wetlands per National Wetlands Inventory (1994)

TARGET PROPERTY:	East Hampton Aire	CUSTOMER:	Camp, Dresser & McKee, Inc.
ADDRESS:	90 Industrial Rd	CONTACT:	Chris Korzenko
CITY/STATE/ZIP:	Wainscott NY 11937	INQUIRY #:	509721.1s
LAT/LONG:	40.9567 / 72.2504	DATE:	June 21, 2000 2:47 pm

DETAIL MAP - 509721.1s - Camp, Dresser & McKee, Inc.



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- Coal Gasification Sites (if requested)
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Wetlands per National Wetlands Inventory (1994)

TARGET PROPERTY:	East Hampton Aire	CUSTOMER:	Camp, Dresser & McKee, Inc.
ADDRESS:	90 Industrial Rd	CONTACT:	Chris Korzenko
CITY/STATE/ZIP:	Wainscott NY 11937	INQUIRY #:	509721.1s
LAT/LONG:	40.9567 / 72.2504	DATE:	June 21, 2000 2:47 pm

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL ASTM STANDARD								
NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.250	0	0	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRIS-TSD		0.500	0	0	0	NR	NR	0
RCRIS Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	0	0	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
STATE ASTM STANDARD								
State Haz. Waste		1.000	1	0	0	0	NR	1
State Landfill		0.500	0	0	0	NR	NR	0
LTANKS		0.500	0	2	0	NR	NR	2
UST	X	0.250	0	0	NR	NR	NR	0
CBS UST		0.250	0	0	NR	NR	NR	0
MOSF UST		0.500	0	0	0	NR	NR	0
FEDERAL ASTM SUPPLEMENTAL								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
STATE OR LOCAL ASTM SUPPLEMENTAL								
HSWDS		0.500	0	0	0	NR	NR	0
AST	X	TP	NR	NR	NR	NR	NR	0
CBS AST		0.250	0	0	NR	NR	NR	0
MOSF AST		0.500	0	0	0	NR	NR	0
NY Spills	X	TP	NR	NR	NR	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
EDR PROPRIETARY DATABASES								
Coal Gas		1.000	0	0	0	0	NR	0

AQUIFLOW - see EDR Physical Setting Source Addendum

TP = Target Property

NR = Not Requested at this Search Distance

* Sites may be listed in more than one database

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

A3 Target Property **EAST HAMPTON AIR**
INDUSTRIAL RD / WAYNES COAT
EAST HAMPTON, NY

NY Spills **S104075497**
N/A

SPILLS:

Spill Number:	9500627	Region of Spill:	1
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	MATTHEWS	SWIS:	47
Caller Name:	FRANK DEGRAZIA	Caller Agency:	ACTION DEMOLITION
Caller Phone:	(516) 781-3000	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	EAST HAMPTON AIR		
Spiller Address:	INDUSTRIAL RD&WAYNES COAT EAST HAMPTON, NY 11937		
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		
Spill Closed Dt:	08/31/1995		
Spill Cause:	Unknown	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Spill Notifier:	Other	PBS Number:	Not reported
Spill Date:	04/17/1995 12:00	Reported to Dept:	04/17/1995 09:13
Cleanup Ceased:	08/31/1995		
Last Inspection:	Not reported		
Cleanup Meets Standard:	True		
Recommended Penalty:	No Penalty		
Spiller Cleanup Date:	Not reported		
Enforcement Date:	Not reported		
Investigation Complete:	Not reported		
UST Involvement:	False		
Spill Record Last Update:	08/31/1995		
Is Updated:	False		

Corrective Action Plan Submitted: Not reported
Date Spill Entered In Computer Data File: 04/18/1995
Date Region Sent Summary to Central Office: Not reported
Remarks: CONTAMINATED SOIL AROUND SURFACE OF TANK - ABOVE GROUND TANK.
DEC Remarks: Not reported

A1 Target Property **EAST HAMPTON AIRE INC**
INDUSTRIAL RD
EAST HAMPTON, NY 11937

UST **U003536836**
N/A

EAST HAMPTON AIRE INC (Continued) **U003536836**

Suffolk County UST:

Facility ID:	3-0052	Facility Tel:	(5
Owner:	EAST HAMPTON TOWN 159 PANTIGO RD NY 11937 (516)324-4140		
Location:	UNDER, OUT	Tank ID:	1
Capacity:	6000	Installed:	78
Construction:	Plain Steel Single Walled Tank		
Dispenser:	SUCTION	Fill Type:	GRAVITY
Compliance:	12/31/90		
Tank Status:	Removed Tank (Date Removed - 1990)		
Content:	GASOLINE		
Permit to Operate:	Not reported		

Facility ID:	3-0052	Facility Tel:	(5
Owner:	EAST HAMPTON TOWN 159 PANTIGO RD NY 11937 (516)324-4140		
Location:	UNDER, OUT	Tank ID:	2
Capacity:	10000	Installed:	78
Construction:	Plain Steel Single Walled Tank		
Dispenser:	SUCTION	Fill Type:	GRAVITY
Compliance:	12/31/90		
Tank Status:	Removed Tank (Date Removed - 1990)		
Content:	GASOLINE		
Permit to Operate:	Not reported		

Facility ID:	3-0052	Facility Tel:	(5
Owner:	EAST HAMPTON TOWN 159 PANTIGO RD NY 11937 (516)324-4140		
Location:	UNDER, OUT	Tank ID:	3
Capacity:	1000	Installed:	78
Construction:	Plain Steel Single Walled Tank		
Dispenser:	SUCTION	Fill Type:	GRAVITY
Compliance:	12/31/90		
Tank Status:	Removed Tank (Date Removed - 1990)		
Content:	GASOLINE		
Permit to Operate:	Not reported		

Facility ID:	3-0052	Facility Tel:	(5
Owner:	EAST HAMPTON TOWN 159 PANTIGO RD NY 11937 (516)324-4140		
Location:	UNDER, OUT	Tank ID:	5
Capacity:	10000	Installed:	90
Construction:	Double Walled Fiberglass Tank		
Dispenser:	SUCTION	Fill Type:	GRAVITY
Compliance:	12/12/94		
Tank Status:	Removed Tank (Date Removed - 1994)		
Content:	GASOLINE		
Permit to Operate:	Not reported		

EAST HAMPTON AIRE INC (Continued) **U003536836**

Facility ID:	3-0052	Facility Tel:	(5
Owner:	EAST HAMPTON TOWN 159 PANTIGO RD NY 11937 (516)324-4140		
Location:	UNDER, OUT	Tank ID:	6
Capacity:	2000	Installed:	0
Construction:	Plain Steel Single Walled Tank		
Dispenser:	GRAVITY	Fill Type:	GRAVITY
Compliance:	/ /		
Tank Status:	Heating Oil Tanks Greater Than 1100 Gallons. Next test - 1999		
Content:	#2 FUEL OIL		
Permit to Operate:	Not reported		

A2 Target Property **EAST HAMPTON AIRE INC** **AST** **A100140757**
INDUSTRIAL RD **N/A**
EAST HAMPTON, NY 11937

Suffolk County AST:

Facility ID:	3-0052	Region:	Not reported
Permit to Operate:	Not reported	Facility Tel:	(516)537-0560
Owner:	EAST HAMPTON TOWN 159 PANTIGO RD NY 11937		
Owner Phone	(516)324-4140		
Location:	ABOVE, OUT	Tank ID:	4
Capacity:	10000	Installed:	78
Dispenser:	SUCTION	Fill Type:	PUMPED
Content:	KEROSENE	Date Removed:	01/01/93
Construction:	Plain Steel Single Walled Tank		
Official Use:	Removed Tank (Date Removed - 1993)		

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4 SSW < 1/8 307 Higher **EAST HAMPTON AIRE** **SHWS** **S101443154**
HANGER "L", EAST HAMPTON AIRPORT **N/A**
EAST HAMPTON, NY 11937

SHWS:

Facility ID:	152156	EPA ID:	Not reported
Region:	1	Site Type:	Structure
Acres:	1 Acres	User:	Town of East Hampton
Owner:	Town of East Hampton 159 Pantigo Road East Hampton, NY 11937		
Operator:	East Hampton Aire Hanger "L", East Hampton Airport East Hampton, NY 11937		
Classification:	2A		
Hazardous Waste Disposed:	From Early 70s To 1991		
Analytical Data Available:	Soil		
Applicable Standards Exceeded:	Not reported		
Geotechnical Information:	sand		
Depth to Groundwater:	12 ft.		
Legal Action Type:	State		
Remedial Action:	Complete		
Nature of Action:	Soil and drum removal.		

EAST HAMPTON AIRE (Continued) **S101443154**

Enforcement Status: Not reported
Hazardoud Waste: Soil samples taken in the vicinity of the drum leakage indicated contamination with chlorinated solvents. Further investigation is required in order to determine whether on-site activities have contaminated the groundwater beneath the site.
Site Description: This site is an airport hangar that was abandoned in 1991 when the tenant went out of business. Activities inside the 3-story structure began in the early 1970s, and included routine cleaning, maintenance, repair and storage of aircraft. Several fulldrums containing chlorinated solvents were left outside the building when it was abandoned. The drums had leaked some of their contents onto the ground, contaminating the surrounding soils. Subsequent samples taken from drywells in the vicinity of the leakage indicated high levels of chlorinated solvents. A Potentially Responsible Party (PRP) - funded removal of contaminated soils and drums was completed. A State-funded Preliminary Site Assessment (PSA) will be conducted in 1999 to determine whether groundwater has been impacted.
Environmental Problems: 1,1,1-Trichloroethane (F002 Waste) - unknown
Trichloroethene (F002 Waste) - unknown
Tetrachloroethene (F002 Waste) - unknown
Health Problems: Airport employees could potentially be exposed to surface soils contaminated with volatile organic compouds (VOCs). Investigations have shown drywells contaminated with VOCs and semi-volatile organic compounds. An Interim Remedial Measure was conducted to remove contaminated soils and sediments. However, samples taken to confirm the effectiveness of the clean-up were discarded prior to analysis, so it is unknown if a potential for human exposure remains. A Preliminary Site Investigation is planned and the results will be used to evaluate potential impacts to public health. It is unknown whether private drinking water supply wells exist in the area and a private well survey should be included in the upcoming investigation.

B5 EAST HAMPTON AIRPORT **LTANKS S102098308**
NNW INDUSTRIAL ROAD **NY Spills N/A**
1/8-1/4 EAST HAMPTON, NY
1127
Higher

SPILLS:

Spill Number:	9306303	Region of Spill:	1
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	DEROSA	SWIS:	47
Caller Name:	MELISSA DEDOVICH	Caller Agency:	ENVIR ASSESS
Caller Phone:	(516) 283-5832	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
Spiller Contact:	Not reported	Spiller Phone:	(516) 537-1404
Spiller:	SHAW AERO DEVICES		
Spiller Address:	Not reported		
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		
Spill Closed Dt:	10/27/1993		
Spill Cause:	Unknown	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Spill Notifier:	Other	PBS Number:	Not reported
Spill Date:	08/23/1993 12:00	Reported to Dept:	05/23/1993 15:26
Cleanup Ceased:	10/27/1993		
Last Inspection:	Not reported		
Cleanup Meets Standard:	True		

EAST HAMPTON AIRPORT (Continued) **S102098308**

Recommended Penalty: No Penalty
Spiller Cleanup Date: Not reported
Enforcement Date: Not reported
Investigation Complete: Not reported
UST Involvement: False
Spill Record Last Update: 10/28/1993
Is Updated: False
Corrective Action Plan Submitted: Not reported
Date Spill Entered In Computer Data File: 08/25/1993
Date Region Sent Summary to Central Office: Not reported
Remarks: AREA 10'X 10' SEEMS TO BE ONLY SITE AFFECTED, WILL REMEDIATE ON MONDAY
DEC Remarks: Not reported

LTANKS:

Spill Number: 9500061
Region of Spill: 1
Facility Contact: Not reported
Facility Tele: Not reported
Investigator: AUSTIN
SWIS: 47
Caller Name: PAT RYAN
Caller Agency: TWN EAST HAMPTON AIRPORT
Caller Phone: (516) 537-1130
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller: EAST HAMPTON AIRPORT
Spiller Address: INDUSTRIAL ROAD
EAST HAMPTON
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.
Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 08/14/1997
Spill Cause: Tank Failure
Resource Affected: On Land
Water Affected: Not reported
Spill Source: Other Commercial/Industrial
Spill Notifier: Responsible Party
PBS Number: Not reported
Spill Date: 04/03/1995 10:00
Reported to Dept: 04/03/1995 15:38
Cleanup Ceased: Not reported
Last Inspection: Not reported
Cleanup Meets Standard: True
Recommended Penalty: No Penalty
Spiller Cleanup Date: Not reported
Enforcement Date: Not reported
Investigation Complete: Not reported
UST Involvement: False
Spill Record Last Update: 08/15/1997
Is Updated: False
Corrective Action Plan Submitted: Not reported
Date Spill Entered In Computer Data File: 04/04/1995
Date Region Sent Summary to Central Office: Not reported
DEC Remarks: FORMER EAST HAMPTON AIRFIELD. 4/11/95 AUSTIN ON SITE. 2K FUEL OIL TAN KS REMOVED. END POINT SAMPLES CONFIRMED ADEQUATE REMEDIATION. APPROX 55 YDS REMOVED. DISPOSAL RECPTS FILED. SEPERATE SPILL AT MYERS AERO BLDG, A /G 275 TANK LEAK AUSTIN CHECKED EXCAVATION BELOW TANK. SOIL EXHIBITED NO ODOR AT 11' DEPTH. END POINT SAMPLE ANALYZED. NO PARAMETER EXCEEDED MDL, , DISPOSAL REPTS FILED
Spill Cause: Not reported

B6 **EASTHAMPTON AIRPORT** **LTANKS** **S100147040**
NNW **DANIEL SHORE RD** **N/A**
1/8-1/4 **WAINSCOTT, NY**
1186
Higher

EASTHAMPTON AIRPORT (Continued) **S100147040**

LTANKS:

Spill Number:	8800547	Region of Spill:	1
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	GOERTZ FD	SWIS:	47
Caller Name:	TOM TYREE	Caller Agency:	TYREE
Caller Phone:	(516) 249-3150	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
Spiller Contact:	Not reported	Spiller Phone:	(516) 537-1631
Spiller:	EASTHAMPTON AIRPORT		
Spiller Address:	P.O. BOX 730 WAINSCOTT, NY		
Spill Class:	Not reported		
Spill Closed Dt:	06/07/1988		
Spill Cause:	Tank Test Failure	Resource Affected:	Groundwater
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Spill Notifier:	Tank Tester	PBS Number:	Not reported
Spill Date:	04/16/1988 17:00	Reported to Dept:	04/18/1988 08:56
Cleanup Ceased:	06/07/1988		
Last Inspection:	Not reported		
Cleanup Meets Standard:	True		
Recommended Penalty:	No Penalty		
Spiller Cleanup Date:	Not reported		
Enforcement Date:	Not reported		
Investigation Complete:	Not reported		
UST Involvement:	True		
Spill Record Last Update:	09/04/1998		
Is Updated:	False		

Corrective Action Plan Submitted: Not reported
Date Spill Entered In Computer Data File: 04/20/1988
Date Region Sent Summary to Central Office: Not reported
DEC Remarks: 05/20/88: TYREE RETESTED SYSTEM AFTER REPAIRING DISCHARGE LINE & INSTALL ING A STICKLINE & BLEEDER-SYSTEM PASSED. DEC NOT PRESENT DURING RETEST. 10/10/95: This is additional information about material spilled from th e translation of the old spill file: AVIATION GAS.
Spill Cause: Not reported

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
EAST HAMPTON	U003536875	MARCH EQUIPMENT	RTE 114	11937	UST	3-0104
EAST HAMPTON	U003536798	SCWA BRIDGEHAMPTON RD PUMP STA	32 RTE 27 A	11937	UST	3-0010
EAST HAMPTON	U003536932	THE CREEKS ACQUISITION CORP	291 RTE 27 A	11937	UST	3-0204
EAST HAMPTON	U003536933	J D THOKRAL & ASSOC STORES	418 RTE 27 A	11937	UST	3-0205
EAST HAMPTON	S102668110	SOUTHAMPTON BRICK & STONE	RT 27A / DANIEL HOLE ROAD	11937	LTANKS	8605122
EAST HAMPTON	U003536810	GETTY S/S #58142	2 RTE 27A	11937	UST	3-0023
EAST HAMPTON	A100140813	EAST HAMPTON HOUSING AUTHORITY	ACCABONAC HWY	11937	AST	3-0187
EAST HAMPTON	1000276076	EAST HAMPTON VILLAGE OF DPW	ACCABONAC RD	11937	RCRIS-SQG, FINDS	
EAST HAMPTON	1001751195	LILCO - EAST HAMPTON ICF	BUELL LANE	11937	FINDS	
EAST HAMPTON	U003536817	LILCO EAST HAMPTON GEN STATION	COVE HOLLOW RD	11937	UST	3-0030
EAST HAMPTON	A100140742	LILCO EAST HAMPTON GEN STATION	COVE HOLLOW RD	11937	AST	3-0030
EAST HAMPTON	1000174743	LILCO - EAST HAMPTON I C SITE	COVE HOLLOW RD	11937	RCRIS-SQG, FINDS	
EAST HAMPTON	S104194420	EAST HAMPTON AIRPORT	200 DANIELS HOLE ROAD	11937	NY Spills	9906335
EAST HAMPTON	S102102466	EAST HAMPTON AIRPORT	DANIELS HOLE ROAD	11937	NY Spills	9506803
EAST HAMPTON	U003536904	PRIVATE RESIDENCE	EAST DUNE LN	11937	UST	3-0144
EAST HAMPTON	S102091936	EAST HAMPTON AIRPORT	EAST HAMPTON AVENUE	11937	NY Spills	9200656
EAST HAMPTON	S103558719	A R H INDUSTRIES	INDUSTRIAL ROAD	11937	LTANKS	9811323
EAST HAMPTON	U003536937	EAST HAMPTON LIBRARY	159 MAIN ST	11937	UST	3-0209
EAST HAMPTON	S102237537	EAST HAMPTON PT	3 MILE HOG CREEK ROAD	11937	NY Spills	9601033
EAST HAMPTON	S102639428	EASTHAMPTON DISTRICT OFFICE	32 MONTAUK HWY	11937	CBS AST	1-000348
EAST HAMPTON	S102099086	EAST HAMPTON LANDFILL	SPRINGS FIRE PLACE ROAD	11937	NY Spills	9313867
EAST HAMPTON	A100140819	TOWN OF EAST HAMPTON COMPOSTIN	SPRINGS-FIREPLACE RD	11937	AST	3-0202
EAST HAMPTON	S102661901	EAST HAMPTON SPAR DOCK	STAR ISLAND	11937	NY Spills	9702692
EAST HAMPTON	U003536800	SCDPW EAST HAMPTON HIGHWAY YAR	STEPHEN HANDS PATH	11937	UST	3-0013
EAST HAMPTON	A100140731	SCDPW EAST HAMPTON HIGHWAY YAR	STEPHEN HANDS PATH	11937	AST	3-0013
EAST HAMPTON	S103938851	EAST HAMPTON AIRPORT	TOWN LINE ROAD	11937	NY Spills	9925163
EAST HAMPTON	S102094508	TOWN OF EAST HAMPTON	TOWN HALL/MONTAUK HWY	11937	NY Spills	8705789
SAG HARBOR	S103350681	SAG HARBOR GAS PLANT	BRIDGE STREET	11963	SHWS	152159
SPRINGS	U003536882	SPRINGS GENERAL STORE	OLD STONE HWY	11937	UST	3-0111
WAINSCOTT	U003536935	PLITT FORD MERCURY	1 RTE 27 A MONTAUK HWY		UST	3-0207
WAINSCOTT	U003536936	ROBERT E OTTO INC	350 RTE 27 A MONTAUK HWY		UST	3-0208
WAINSCOTT	U003536915	PRIVATE RESIDENCE	RTE 27		UST	3-0174
WAINSCOTT	U003536921	KALISMAN RESIDENCE	GEORGICA ESTATES		UST	3-0185
WAINSCOTT	U003536906	APPLE EAST	95 INDUSTRIAL RD	11937	UST	3-0157
WAINSCOTT	A100140804	APPLE EAST	95 INDUSTRIAL RD	11937	AST	3-0157
WAINSCOTT	S103941209	LIVING WATER FULL GOSPEL	69 INDUSTRIAL ROAD		LTANKS	9902089
WAINSCOTT	U003536930	IRENE JOHNSON	7 NORTHWEST PATH		UST	3-0199
WAINSCOTT	U003536928	WDI-EAST HAMPTON	WAINSCOTT NORTHWEST		UST	3-0196

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List
Source: EPA
Telephone: N/A
National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC).

Date of Government Version: 02/04/00
Date Made Active at EDR: 03/15/00
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 02/07/00
Elapsed ASTM days: 37
Date of Last EDR Contact: 05/09/00

DELISTED NPL: NPL Deletions
Source: EPA
Telephone: N/A
The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 11/08/99
Date Made Active at EDR: 03/15/00
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 02/07/00
Elapsed ASTM days: 37
Date of Last EDR Contact: 05/09/00

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
Source: EPA
Telephone: 703-413-0223
CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/14/00
Date Made Active at EDR: 03/15/00
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 03/02/00
Elapsed ASTM days: 13
Date of Last EDR Contact: 02/28/00

CERCLIS-NFRAP: No Further Remedial Action Planned
Source: EPA
Telephone: 703-413-0223
As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 02/14/00
Date Made Active at EDR: 03/15/00
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 03/02/00
Elapsed ASTM days: 13
Date of Last EDR Contact: 02/28/00

CORRACTS: Corrective Action Report
Source: EPA
Telephone: 800-424-9346
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/07/99
Date Made Active at EDR: 10/28/99
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 09/13/99
Elapsed ASTM days: 45
Date of Last EDR Contact: 03/13/00

RCRIS: Resource Conservation and Recovery Information System
Source: EPA/NTIS
Telephone: 800-424-9346
Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Date of Government Version: 12/22/99
Date Made Active at EDR: 03/23/00
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 01/07/00
Elapsed ASTM days: 76
Date of Last EDR Contact: 03/01/00

ERNS: Emergency Response Notification System
Source: EPA/NTIS
Telephone: 202-260-2342
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 01/06/00
Date Made Active at EDR: 02/08/00
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 01/31/00
Elapsed ASTM days: 8
Date of Last EDR Contact: 05/05/00

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System
Source: EPA/NTIS
Telephone: 800-424-9346
The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/97
Database Release Frequency: Biennially

Date of Last EDR Contact: 12/20/99
Date of Next Scheduled EDR Contact: 03/20/00

CONSENT: Superfund (CERCLA) Consent Decrees
Source: EPA Regional Offices
Telephone: Varies
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: N/A
Database Release Frequency: Varies

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

ROD: Records Of Decision
Source: NTIS
Telephone: 703-416-0223
Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/31/99
Database Release Frequency: Annually

Date of Last EDR Contact: 04/10/00
Date of Next Scheduled EDR Contact: 07/10/00

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report
Source: EPA
Telephone: N/A
Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 10/13/99
Database Release Frequency: Quarterly
Date of Last EDR Contact: 03/29/00
Date of Next Scheduled EDR Contact: 07/10/00

HMIRS: Hazardous Materials Information Reporting System
Source: U.S. Department of Transportation
Telephone: 202-366-4526
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/30/99
Database Release Frequency: Annually
Date of Last EDR Contact: 03/15/00
Date of Next Scheduled EDR Contact: 04/24/00

MLTS: Material Licensing Tracking System
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/29/99
Database Release Frequency: Quarterly
Date of Last EDR Contact: 04/10/00
Date of Next Scheduled EDR Contact: 07/10/00

MINES: Mines Master Index File
Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959

Date of Government Version: 08/01/98
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 04/03/00
Date of Next Scheduled EDR Contact: 07/03/00

NPL LIENS: Federal Superfund Liens
Source: EPA
Telephone: 205-564-4267
Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 02/24/00
Date of Next Scheduled EDR Contact: 05/22/00

PADS: PCB Activity Database System
Source: EPA
Telephone: 202-260-3936
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 10/01/99
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 03/16/00
Date of Next Scheduled EDR Contact: 05/15/00

RAATS: RCRA Administrative Action Tracking System
Source: EPA
Telephone: 202-564-4104
RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 03/13/00
Date of Next Scheduled EDR Contact: 06/12/00

TRIS: Toxic Chemical Release Inventory System
Source: EPA
Telephone: 202-260-1531
Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/97
Database Release Frequency: Annually
Date of Last EDR Contact: 03/27/00
Date of Next Scheduled EDR Contact: 06/26/00

TSCA: Toxic Substances Control Act
Source: EPA
Telephone: 202-260-1444
Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/94
Database Release Frequency: Every 4 Years
Date of Last EDR Contact: 04/24/00
Date of Next Scheduled EDR Contact: 07/24/00

STATE OF NEW YORK ASTM STANDARD RECORDS

SHWS: Inactive Hazardous Waste Disposal Sites in New York State
Source: Department of Environmental Conservation
Telephone: 518-457-0747
State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 04/01/99
Date Made Active at EDR: 09/16/99
Database Release Frequency: Annually
Date of Data Arrival at EDR: 07/15/99
Elapsed ASTM days: 63
Date of Last EDR Contact: 02/28/00

LF: Facility Register
Source: Department of Environmental Conservation
Telephone: 518-457-2051
Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/04/00
Date Made Active at EDR: 04/24/00
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 03/01/00
Elapsed ASTM days: 54
Date of Last EDR Contact: 05/08/00

LTANKS: Spills Information Database
Source: Department of Environmental Conservation
Telephone: 518-457-2462
Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 01/01/00
Date Made Active at EDR: 03/17/00
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 02/22/00
Elapsed ASTM days: 24
Date of Last EDR Contact: 05/02/00

UST: Petroleum Bulk Storage (PBS) Database
Source: Department of Environmental Conservation
Telephone: 518-457-4351
Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 04/01/00
Date Made Active at EDR: 06/14/00
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 05/18/00
Elapsed ASTM days: 27
Date of Last EDR Contact: 05/02/00

CBS UST: Chemical Bulk Storage Database
Source: NYSDEC
Telephone: 518-457-4351
Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/00
Date Made Active at EDR: 04/03/00
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 02/22/00
Elapsed ASTM days: 41
Date of Last EDR Contact: 01/31/00

MOSF UST: Major Oil Storage Facilities Database
Source: NYSDEC
Telephone: 518-457-4351
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/00
Date Made Active at EDR: 04/03/00
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 02/22/00
Elapsed ASTM days: 41
Date of Last EDR Contact: 01/31/00

STATE OF NEW YORK ASTM SUPPLEMENTAL RECORDS

HSWDS: Hazardous Substance Waste Disposal Site Inventory
Source: Department of Environmental Conservation
Telephone: 518-457-0639
The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Diposal Sites and non-registry sites which U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared.

Date of Government Version: 05/17/99
Database Release Frequency: Annually
Date of Last EDR Contact: 03/07/00
Date of Next Scheduled EDR Contact: 06/05/00

AST: Petroleum Bulk Storage (AST)
Source: Department of Environmental Conservation
Telephone: 518-457-4351
Registered Aboveground Storage Tanks.

Date of Government Version: 01/01/00
Database Release Frequency: Quarterly
Date of Last EDR Contact: 05/02/00
Date of Next Scheduled EDR Contact: 07/31/00

CBS AST: Chemical Bulk Storage Database
Source: NYSDEC
Telephone: 518-457-4351
Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/00
Database Release Frequency: Quarterly
Date of Last EDR Contact: 01/31/00
Date of Next Scheduled EDR Contact: 05/01/00

MOSF AST: Major Oil Storage Facilities Database
Source: NYSDEC
Telephone: 518-457-4351
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/00
Database Release Frequency: Quarterly
Date of Last EDR Contact: 01/31/00
Date of Next Scheduled EDR Contact: 05/01/00

SPILLS: Spills Information Database
Source: Department of Environmental Conservation
Telephone: 518-457-2462
Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 01/01/00
Database Release Frequency: Quarterly
Date of Last EDR Contact: 05/02/00
Date of Next Scheduled EDR Contact: 07/31/00

VCP: Voluntary Cleanup Agreements
Source: Department of Environmental Conservation
Telephone: 518-457-7894
The voluntary remedial program uses private monies to get contaminated sites r emediated to levels allowing for the sites' productive use. The program covers virtually any kind of site and contamination.

Date of Government Version: 03/28/00
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/23/00
Date of Next Scheduled EDR Contact: 06/19/00

LOCAL RECORDS

CORTLAND COUNTY:

Cortland County UST Listing (UST)
Source: Cortland County Health Department
Telephone: 607-753-5035

Date of Government Version: 03/29/00
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/06/00
Date of Next Scheduled EDR Contact: 06/05/00

Cortland County UST Listing (AST)
Source: Cortland County Health Department
Telephone: 607-753-5035

Date of Government Version: 03/29/00
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/06/00
Date of Next Scheduled EDR Contact: 06/05/00

NASSAU COUNTY:

Registered Tank Database
Source: Nassau County Health Department
Telephone: 516-571-3314

Date of Government Version: 03/06/00
Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/09/00
Date of Next Scheduled EDR Contact: 08/07/00

Registered Tank Database
Source: Nassau County Health Department
Telephone: 516-571-3314

Date of Government Version: 03/06/00
Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/09/00
Date of Next Scheduled EDR Contact: 08/07/00

ROCKLAND COUNTY:

Petroleum Bulk Storage Database (UST)
Source: Rockland County Health Department
Telephone: 914-364-2605

Date of Government Version: 05/02/00
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/10/00
Date of Next Scheduled EDR Contact: 07/10/00

Petroleum Bulk Storage Database (AST)
Source: Rockland County Health Department
Telephone: 914-364-2605

Date of Government Version: 01/27/00
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/10/00
Date of Next Scheduled EDR Contact: 07/10/00

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SUFFOLK COUNTY:

Underground Storage Tank Database (UST)
Source: Suffolk County Department of Health Services
Telephone: 631-854-2521

Date of Government Version: 03/01/99
Database Release Frequency: Annually

Date of Last EDR Contact: 03/27/00
Date of Next Scheduled EDR Contact: 06/05/00

Underground Storage Tank Database (AST)
Source: Suffolk County Department of Health Services
Telephone: 631-854-2521

Date of Government Version: 03/01/99
Database Release Frequency: Annually

Date of Last EDR Contact: 03/27/00
Date of Next Scheduled EDR Contact: 06/05/00

WESTCHESTER COUNTY:

Petroleum Bulk Storage Database
Source: Dept. of Environmental Conservation
Telephone: 914-637-4895

Date of Government Version: N/A
Database Release Frequency: N/A

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

Petroleum Bulk Storage Database
Source: Dept. of Environmental Conservation
Telephone: 914-637-4895

Date of Government Version: N/A
Database Release Frequency: N/A

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

EDR PROPRIETARY DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

HISTORICAL AND OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines/Electrical Transmission Lines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines and electrical transmission lines.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in March 1997 from the U.S. Fish and Wildlife Service.

New York Facility and Manifest Data

Source: NYSDEC

Telephone: 518-457-6585

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

GEOCHECK®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

EAST HAMPTON AIRE
90 INDUSTRIAL RD
WAINSCOTT, NY 11937

TARGET PROPERTY COORDINATES

Latitude (North):	40.956699 - 40° 57' 24.1"
Longitude (West):	72.250397 - 72° 15' 1.4"
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	731415.8
UTM Y (Meters):	4537380.0

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-97, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata. EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

USGS TOPOGRAPHIC MAP ASSOCIATED WITH THIS SITE

Target Property: 2440072-H3 SAG HARBOR, NY
Source: USGS 7.5 min quad index

GENERAL TOPOGRAPHIC GRADIENT AT TARGET PROPERTY

Target Property: General East

Source: General Topographic Gradient has been determined from the USGS 1 Degree Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Q3 Flood Data Electronic Coverage
SUFFOLK, NY	YES

Flood Plain Panel at Target Property:	36103C0534G / CWNP
Additional Panels in search area:	36103C0551G / CWPP
	36103C0532G / CWPP
	36103C0553G / CWPP

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Coverage
SAG HARBOR	YES

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Site-Specific Hydrogeological Data*:

Search Radius:	2.0 miles
Status:	Not found

AQUIFLOW™

Search Radius: 2.000 Miles.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Geologic Code:	Qp
Era:	Cenozoic
System:	Quaternary
Series:	Pleistocene

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Surface Texture: coarse sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively. Soils have very high and high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet.

Corrosion Potential - Uncoated Steel: LOW

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

Soil Layer Information

	Boundary			Classification		
Layer	**Upper**	**Lower**	**Soil Texture Class**	**AASHTO Group**	**Unified Soil**	**Permeability Rate (in/hr)**
1	0 inches	7 inches	coarse sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COURSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 20.00
2	7 inches	29 inches	coarse sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COURSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 20.00
3	29 inches	50 inches	coarse sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COURSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 20.00 Min: 20.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: loamy sand
sand
sandy loam
fine sandy loam
muck
mucky-peat

Surficial Soil Types: loamy sand
sand
sandy loam
fine sandy loam

	muck mucky-peat
Shallow Soil Types:	loamy coarse sand hemic material
Deeper Soil Types:	gravelly - coarse sand stratified sandy loam sand loamy sand

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-97, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	405650072145200	1/2 - 1 Mile SSE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

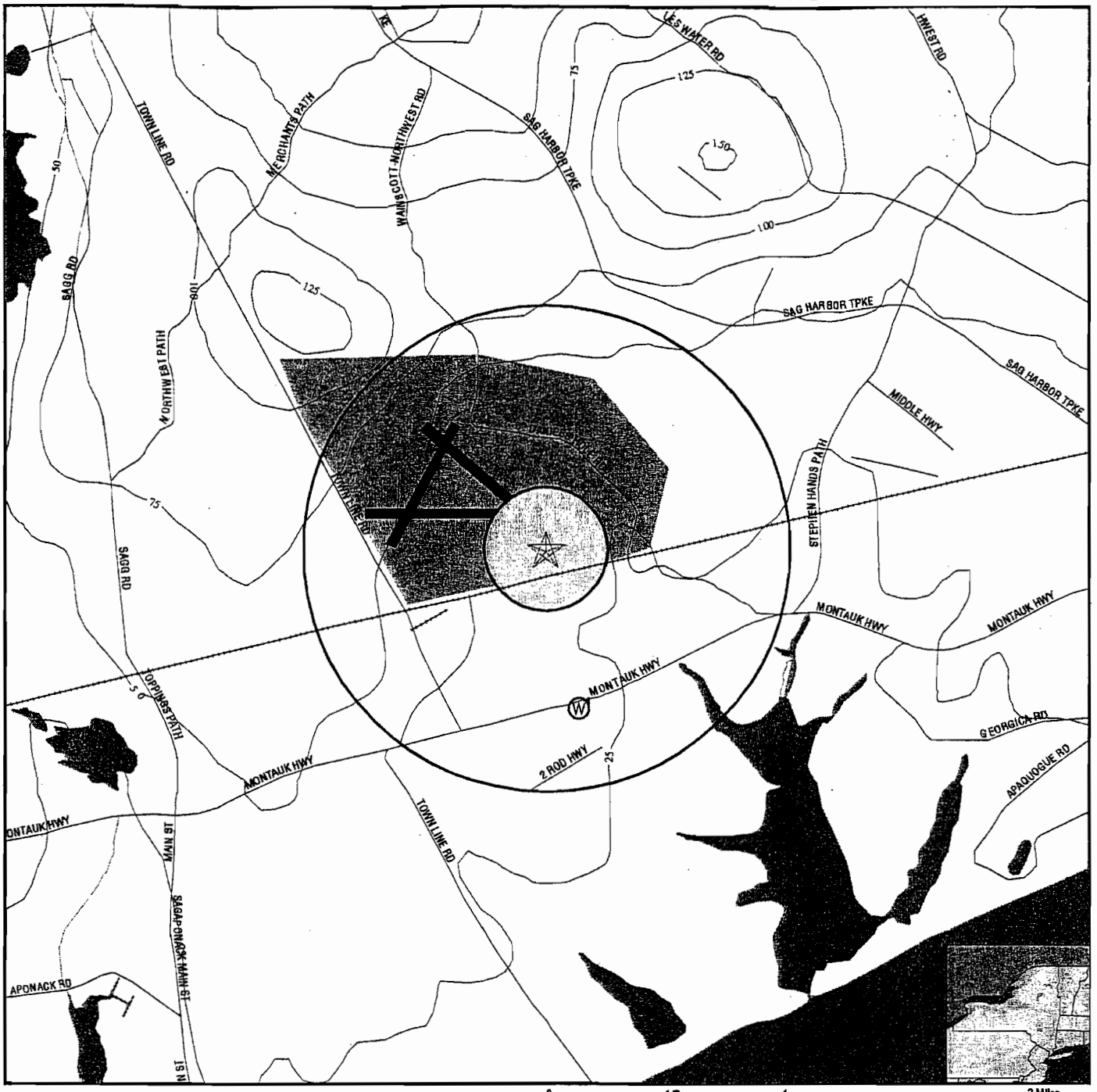
MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 509721.1s



- Major Roads
- Contour Lines
- Airports
- Water Wells
- Public Water Supply Wells
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- Cluster of Multiple Icons
- Earthquake epicenter, Richter 5 or greater
- HD Closest Hydrogeological Data

TARGET PROPERTY:	East Hampton Aire	CUSTOMER:	Camp, Dresser & McKee, Inc.
ADDRESS:	90 Industrial Rd	CONTACT:	Chris Korzenko
CITY/STATE/ZIP:	Wainscott NY 11937	INQUIRY #:	509721.1s
LAT/LONG:	40.9567 / 72.2504	DATE:	June 21, 2000 2:48 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
1 **SSE** **1/2 - 1 Mile** **Higher**		**FED USGS**	**405650072145200**

BASIC WELL DATA

Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	Not Reported	County:	Suffolk
Altitude:	Not Reported	State:	New York
Well Depth:	Not Reported	Topographic Setting:	Not Reported
Depth to Water Table:	Not Reported	Prim. Use of Site:	Not Reported
Date Measured:	Not Reported	Prim. Use of Water:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Radon Information for SUFFOLK County:

Number of sites tested: 338

Average (pCi/L)	Geometric Mean (pCi/L)	Geometric Std Dev.	Maximum (pCi/L)	% Homes >4 pCi/L	% Homes >20 pCi/L
1.7	1.1	2.4	42.0	7.0	0.1

Federal EPA Radon Zone for SUFFOLK County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

SUFFOLK COUNTY, NY

Number of sites tested: 183

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	0.670 pCi/L	100%	0%	0%
Basement	1.010 pCi/L	98%	2%	0%

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in March 1997 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW™ Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the national Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-260-2805

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-260-2805

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: In November 1971 the United States Geological Survey (USGS) implemented a national water resource information tracking system. This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on more than 900,000 wells, springs, and other sources of groundwater.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STATE RECORDS

New York Public Water Wells
Source: New York Department of Health
Telephone: 518-458-6731

New York Radon Basement Screening Results
Source: New York Department of Health
Telephone: 518-458-6731

New York Facility and Manifest Data
Source: NYSDEC
Telephone: 518-457-6585
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

RADON

Area Radon Information: The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones: Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

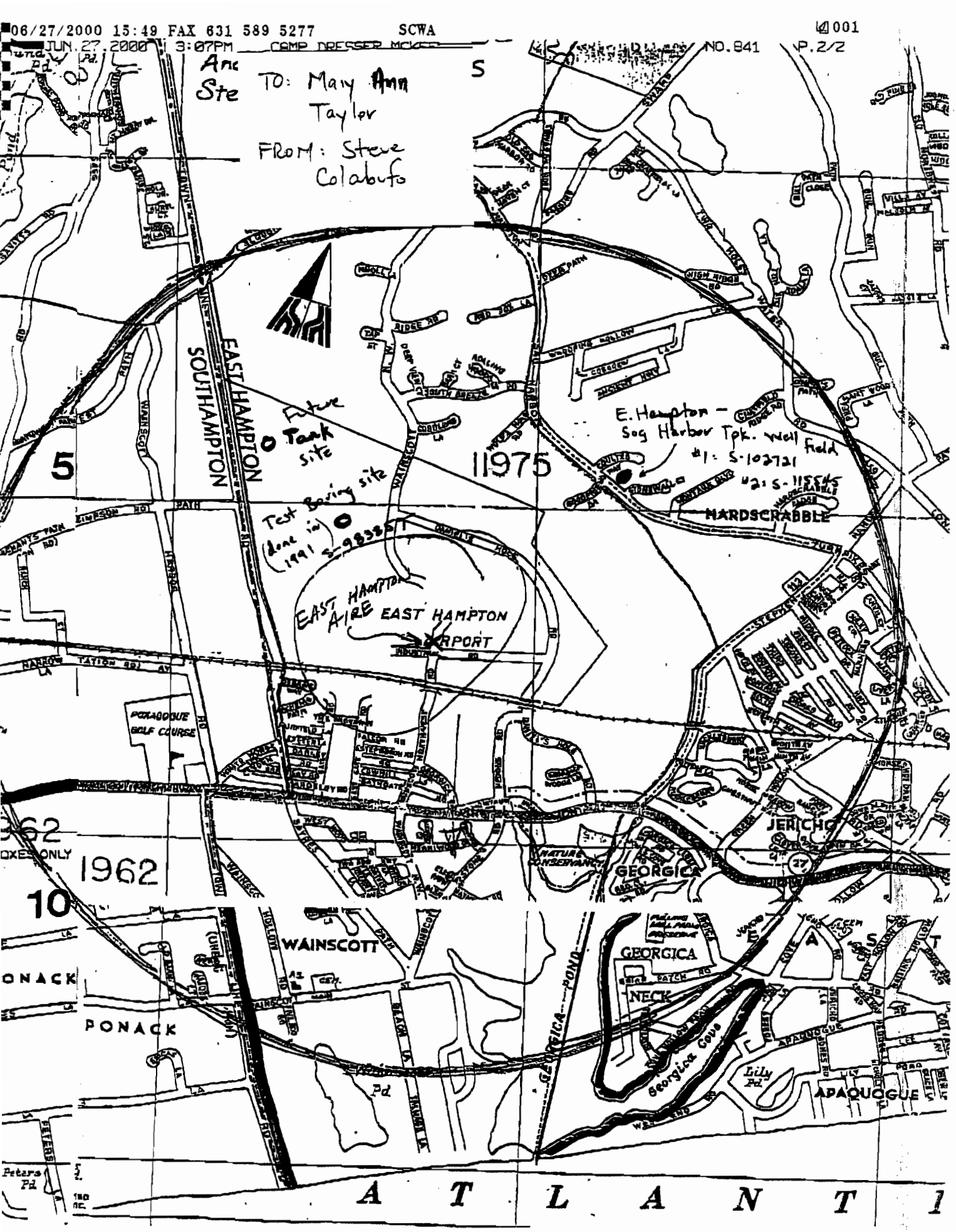
Reference 13

Map and Site Locations.

Anc
Ste

TO: Mary Ann Taylor

FROM: Steve Colabufo



Site Location x = 2479836.9
y = 272122.5

X	Y	Federal Id Number	Name	Address	Hamlet	Location to site	Distance from site (ft)
2478539	283728	5114377	Barcelona Inn	Route 114	Sag Harbor	Upgradient	11677.85
2474752	261189	5120840	Sagg Main Store	542 Sagg Main Street	Sagaponack	Crossgradient	12058.094
2491477	272487	5130043	Green Hollow Tennis Club	Buckskill Rd.	East Hampton	Upgradient	11645.806
2485581	276163	5130041	Three Good Friend Dr. Inc.	3 Goodfriend Dr.	East Hampton	Upgradient	7022.8431
2479725	266679	5120146	Alison By The Beach	3593 Montauk Hwy.	Wainscott	Downgradient	5444.65
2484062	268032	5120149	Seafood Shop	Rte 27	Wainscott	Downgradient	5880.7874
2484013	267978	5120150	Twice Upon A Bagel	358 Montauk Hwy.	Wainscott	Downgradient	5883.5951
2490324	272527	5130000	Raquet Club Of East Hampton	181 Bucks Kill Road	East Hampton	Upgradient	10494.898
2486106	268652	5120478	Sapore Di Mare	Route 27	East Hampton	Downgradient	7165.6113
2482631	267239	5114317	Cozy Cabins	395 Rte 27	Wainscott	Downgradient	5626.328
2480768	267408	5114326	Wainscott Motel	3720 Rte 27	Wainscott	Downgradient	4805.5653
2489774	273552	5130083	Buckskill Tennis Club	Buckskill Rd.	East Hampton	Upgradient	10039.394
2484722	268314	5130129	Hess General Store	Montauk Hwy.	Wainscott	Downgradient	6194.2614
2484027	268153	5130084	Breadzilla	54 Northwest-Wainscott Rd.	Wainscott	Downgradient	5771.8167
2483736	267935	5120510	La Capannina	Montauk Hwy	Wainscott	Downgradient	5721.725
2470144	269583	5119741	Southampton Community Center	585 Sag Harbor Tpke.	Bridgehampton	Crossgradient	10020.048
2473670	286432	5104249	Havens Beach	Bay Street	Sag Harbor	Upgradient	15581.799
2483736	267935	5121063	Wainscott Village	Rte 27	Wainscott	Downgradient	5721.725
2480808	275454	5121501	Maidstone Gun Club	Wainscott North West Road	East Hampton	Upgradient	3470.148
2479107	285100	5122198	Sag Harbor Golf Club	Route 114	Sag Harbor	Upgradient	12998.01
2478853	267372	5120939	Poxabogue Golf Cafe	Route 27A	Bridgehampton	Crossgradient	4851.3204
2487076	269557	5120628	Chez & Chez	290 Montauk Hwy	Wainscott	Downgradient	7680.2577
2475196	264813	5121521	Loaves And Fishes	50 Sagg Main St.	Sagaponack	Crossgradient	8658.3337
2478499	266835	5120623	Old Stove Pub	Montauk Hwy	Bridgehampton	Crossgradient	5454.139
2475973	266878	5130105	Sagg Pond Vineyards	Sagg Road	Sagaponack	Crossgradient	6514.1771
2483117	267836	5120670	The Swamp & Annex Restaurant	378 Montauk Hwy	Wainscott	Downgradient	5397.5122
2465854	262159	5119748	The Pizza Place	Route 27	Bridgehampton	Crossgradient	17169.532

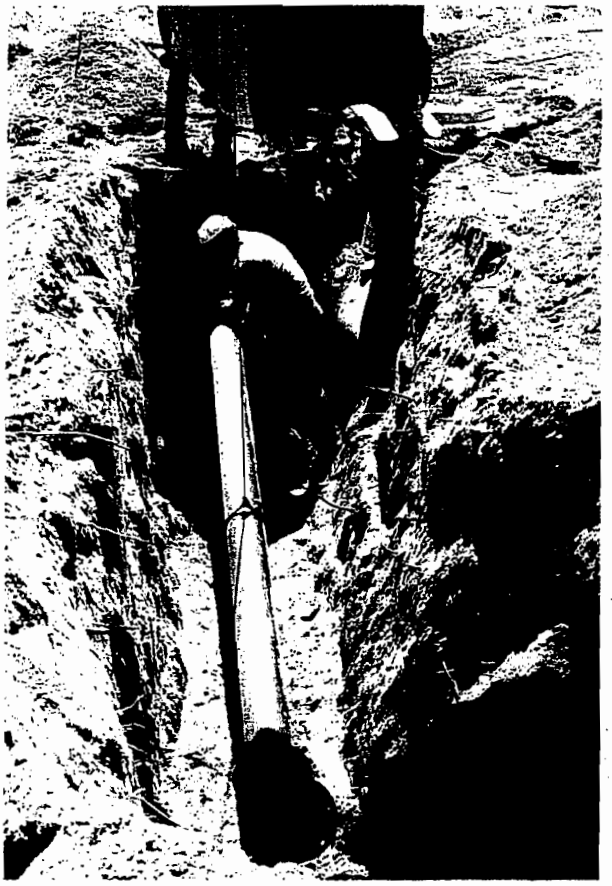
Pressure Zone	DEC No	Active	VOC'S	Iron	Nitrates	Other	System in Service	Series Operation	Design Flow Rate (gpm)	Design Head (ft)
Zone: 25 East Hampton Low	S-102721	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	1300	238

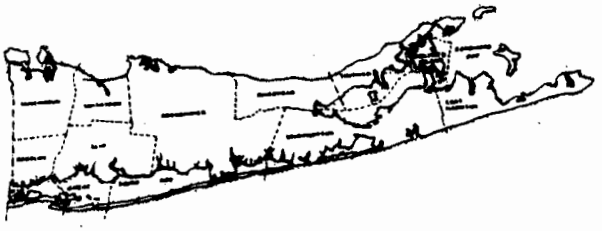
Reference 13 A

Suffolk County Comprehensive Water Resources Management Plan. Prepared by Dvirka and Bartilucci and Malcolm Pirnie Inc.

SUFFOLK COUNTY COMPREHENSIVE WATER RESOURCES MANAGEMENT PLAN

VOLUME I





Dvirka and Bartilucci
consulting engineers

and MALCOLM PIRNIE INC.

SUFFOLK COUNTY COMPREHENSIVE WATER RESOURCES MANAGEMENT PLAN

VOLUME 1

MICHAEL A. LOGRANDE
COUNTY EXECUTIVE

DEPARTMENT OF HEALTH SERVICES

DAVID HARRIS, M.D., M.P.H.
COMMISSIONER

ALDO ANDREOLI, P.E.
DIRECTOR OF ENVIRONMENTAL QUALITY

PREPARED BY:

DIVISION OF ENVIRONMENTAL HEALTH, SCDHS

DVIRKA & BARTILUCCI, CONSULTING ENGINEERS

MALCOLM PIRNIE, INC.

JANUARY 1987

WRMP Table 6-3

LAND USE WELLS: STATISTICAL SUMMARY FOR INORGANICS
CATEGORY MEANS AND RANGES OF WELL MEANS

Inorganic Parameter	Vacant (1/10)		Rec./O.S. (3/34)		Agricult. (4/47)		Commerc. (3/38)		Industr. (3/38)	
	Mean	Min.-Max.	Mean	Min.-Max.	Mean	Min.-Max.	Mean	Min.-Max.	Mean	Min.-Max.
Nitrate	1.15	1.00-1.30	3.91	2.40-6.07	7.83	5.62-10.0	1.74	0.08-4.05	4.25	1.13-6.99
Nitrite	.002	.001-.004	.002	.002-.002	.005	.004-.009	.002	.001-.003	.005	.001-.012
Ammonia	0.05	0.05-0.06	0.72	0.06-1.64	0.06	0.05-0.06	6.11	0.06-17.5	2.96	0.06-5.12
Tot. Nit.	1.21	1.05-1.35	4.63	2.46-6.18	7.89	5.68-10.1	8.04	1.11-17.5	7.13	1.18-10.8
Chloride	10.9	9.90-13.0	23.1	14.0-33.3	38.5	21.3-69.5	29.9	17.8-39.2	20.2	09.9-26.4
Conduct.*	62.6	57.0-75.0	167.	148.-193.	288.	276.-344.	224.	155.-342.	158.	070.-212.
Sulfate	3.73	3.40-4.10	21.2	16.2-24.6	80.2	60.8-112.	16.5	12.1-20.3	18.2	10.3-24.7
Phosphate	.002	.002-.002	.002	.002-.003	.003	.002-.005	.095	.002-.190	.002	.002-.002
Dis. Oxy.*	10.5	7.40-12.2	4.90	2.36-9.27	9.06	7.20-10.3	2.31	1.07-4.29	2.65	0.71-5.66
Alkalin.*	8.72	5.26-14.3	21.3	5.31-39.8	9.78	7.21-14.9	76.7	30.9-157.	27.2	04.1-45.7
Temperat.*	11.3	10.5-12.5	11.8	11.6-12.0	11.9	11.4-12.6	14.7	13.0-16.1	14.2	13.4-14.9
pH*	5.82	5.30-6.20	5.48	4.94-5.92	5.70	5.53-5.96	6.10	5.95-6.34	5.77	5.28-6.28
Iron	0.21	0.10-0.50	0.28	0.14-0.41	0.44	0.17-1.02	5.09	0.09-14.7	0.51	0.10-1.19
Manganese	0.03	0.02-0.06	0.12	0.05-0.21	0.05	0.04-0.07	1.29	0.03-2.24	4.16	0.39-10.6
Magnesium	1.66	1.50-1.90	3.53	2.04-6.80	7.71	5.99-10.1	2.92	2.55-3.36	1.88	1.05-2.46
Calcium	3.32	3.00-3.60	14.4	08.3-17.0	37.4	31.8-54.0	18.6	16.8-20.1	09.6	04.2-15.3
Sodium	6.77	6.40-7.10	14.2	6.82-19.2	18.3	07.4-40.0	17.0	11.7-26.5	15.4	07.4-20.3
Potassium	0.72	0.60-0.80	2.72	1.18-3.54	3.67	2.67-6.00	4.60	2.25-8.15	4.48	2.21-6.34

Note: For Vacant category, range of samples listed; for all other categories, range of means listed.
(Number of Wells / Total Number of Samples)
* Field measurements for conductivity, dissolved oxygen, alkalinity, temperature, and pH.
All concentrations in ppm; conductivity in umho; temp. in °C; pH levels as indicated.
Where sample was below detection limit, value entered as detection limit.

Reference 14

OECA Scope of the CERCLA Petroleum Exclusion.

Scope of the CERCLA Petroleum Exclusion

JUL 31 1987

OSWER Directive #9838.1

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

MEMORANDUM

SUBJECT: Scope of the CERCLA Petroleum Exclusion Under Sections 101(14) and 104(a)(2)

FROM: Francis S. Blake /s/
General Counsel (LE-130)

TO: J. Winston Porter
Assistant Administrator
for Solid Waste and Emergency Response (WH-562A)

One critical and recurring issue arising in the context of Superfund response activities has been the scope of the petroleum exclusion under CERCLA. Specifically, you have asked whether used oil which is contaminated by hazardous substances is considered "petroleum" under CERCLA and thus excluded from CERCLA response authority and liability unless specifically listed under RCRA or some other statute. For the reasons discussed below, we believe that the contaminants present in used oil or any other petroleum substance are not within the petroleum exclusion. "Contaminants", as discussed below, are substances not normally found in refined petroleum fractions or present at levels which exceed those normally found in such fractions. If these contaminants are CERCLA hazardous substances, they are subject to CERCLA response authority and liability.

Background

Under the Comprehensive Environmental Response, Compensation and

Liability Act of 1980 as amended (CERCLA), governmental response authority, release notification requirements, and liability are largely tied to a release of a "hazardous substance." Section 104 authorizes government response to releases or threatened releases of hazardous substances, or "pollutants or contaminants." Similarly, liability for response costs and damages under Section 107 attaches to persons who generate, transport or dispose of hazardous substances at a site from which there is a release or threatened release of such substances. Under Section 103, a release of a reportable quantity of a hazardous substance triggers notification to the National Response Center.

The term "hazardous substance" is defined under CERCLA Section 101(14) to include approximately 714 toxic substances listed under four other environmental statutes, including RCRA. Both the definition of hazardous substance and the definition of "pollutant or contaminant" under Section 104(a)(2) exclude "petroleum, including crude oil or any fraction thereof", unless specifically listed under those statutes. (See footnote 1 below) Accordingly, no petroleum substance, including used oil, can be a "hazardous substance" except to the extent it is listed as a hazardous waste under RCRA or under one of the other statutes. Thus two critical issues in assessing whether a substance is subject to CERCLA is whether or not, and to what extent, a substance is "petroleum." This memorandum discusses the second type of petroleum exclusion issue. The question, therefore, is not whether used oil is "petroleum" and thus exempted from CERCLA jurisdiction, but to what extent substances found in used oil which are not found in crude oil or refined petroleum fractions are also "petroleum". If such substances are not "petroleum" then a release of used oil containing such substances may trigger CERCLA response actions, not to the release of used oil, but to the contaminants present in the oil.

========== Foot Note ==========

1 The full texts of these provisions are as follows:

Section 101(14)

. . . .

The term [hazardous substance] does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under subparagraphs (A) through (F) of this paragraph, and the term does not include natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).

Section 104 (a)(2)

. . . .

The term [pollutant of contaminant] does not include petroleum, including crude oil and any fraction thereof which is not otherwise specifically listed or designated as hazardous substances under section 101(14)(A) through (F) of this title, nor does it include natural gas, liquefied natural gas, or synthetic gas of pipeline quality (or mixtures of natural gas and such synthetic gas).

==========

Although the term "hazardous substance" is defined by statute, there is no CERCLA definition of "petroleum" and very little direct legislative history explaining the purpose or intended scope of this exclusion. None of the four early Superfund bills originally excluded responses to oil, although the apparent precursor to Section 101(14), found in S. 1480, excluded "petroleum" without explanation in all versions except that introduced. The legislative debates on the final compromise indicate only that Congress intended to enact later, separate superfund-type legislation to cover "oil spills." See generally 126 Cong. Rec. H11793-11802 (December 3, 1980).

Since the enactment of CERCLA, the Agency has provided some interpretations of the nature and scope of the petroleum exclusion. In providing guidance in 1981 on the notification required under Section 103 for non-RCRA hazardous waste sites the Agency stated that petroleum wastes, including waste oil, which are not specifically listed under RCRA are excluded from the definition of "hazardous substance" under 101(14). 46 Fed. Reg. 22145 (April 15, 1981). (See footnote 2 below)

In 1982 and in 1983, the General Counsel issued two opinions on the CERCLA petroleum exclusion. In the first opinion, the General Counsel distinguished under the petroleum exclusion between hazardous substances which are inherent in petroleum, such as benzene, and hazardous substances which are added to or mixed with petroleum products. The General Counsel concluded that the petroleum exclusion includes those hazardous substances which are inherent in petroleum but not those added to or mixed with petroleum products. Thus, the exclusion of diesel oil as "petroleum" includes its hazardous substance constituents, such as benzene and toulene, but PCB's mixed with oil would not be excluded. Moreover, if the petroleum product and an added hazardous substance are so commingled that, as a practical matter, they cannot be separated, then the entire oil spill is subject to CERCLA response authority.

========== Foot Note ==========

2 In the notice the Agency used the term "waste oil" without stating whether it was intended to include all waste oil or only unadulterated waste oil. The Agency has subsequently interpreted the reference to "waste oil" in this notice to include only unadulterated waste oil. 50 Fed. Reg. 13460 (April 4, 1985).

==========

In the second opinion, the General Counsel concluded that the petroleum exclusion as applied to crude oil "fractions" includes blended gasoline as well as raw gasoline, even though refined or blended gasoline contains higher levels of hazardous substances. The increased level of hazardous substances results from the blending of raw gasoline with other petroleum fractions to increase its octane levels. Because virtually all gasoline which leaves the refinery is blended gasoline, the petroleum exclusion would include virtually none of this fraction if the increased concentration of hazardous substances due only to its processing made it subject to CERCLA.

Finally, the Agency has interpreted the petroleum exclusion in two recent Federal Register notices. In the April 4, 1985 final rule adjusting reportable quantities under Section 102, the Agency provided its general interpretation of the exclusion:

> EPA interprets the petroleum exclusion to apply to materials such as crude oil, petroleum feedstocks, and refined petroleum products, even if a specifically listed or designated hazardous substance is present in such products. However, EPA does not consider materials such as waste oil to which listed CERCLA substances have been added to be within the petroleum exclusion. Similarly, pesticides are not within the petroleum exclusion, even though the active ingredients of the pesticide may be contained in a petroleum distillate: when an RQ of a listed pesticide is released, the release must be reported.

50 Fed. Reg. 13460 (April 4, 1985).

In March 10, 1986, the Agency published a notice of data availability and request for comments on the proposed used oil listing under RCRA. 51 Fed. Reg. 8206. In that notice, the Agency responded to commenters who had argued that the RCRA listing would discourage used

oil recycling because it would subject generators, transporters, processors, and users to Superfund liability. The Agency stated that used oil which contains hazardous substances at levels which exceed those normally found in petroleum are currently subject to CERCLA. 51 Fed. Reg. 8206 (March 10, 1986). Although the fact that the used oil is contaminated does not remove it from the protection of the petroleum exclusion, the contaminants in the used oil are subject to CERCLA response authority if they are hazardous substances. Accordingly, most used oil, even without a specific listing, would not be fully within the petroleum exclusion, irrespective of the listing.

Discussion

Because there is no definition of "petroleum" in CERCLA or any legislative history which clearly expresses the intended scope of this exclusion, there are several possible interpretations which could be given to this provision. However, we believe that our current interpretation, under which "petroleum" includes hazardous substances normally found in refined petroleum fractions but does not include either hazardous substances found at levels which exceed those normally found in such fractions or substances not normally found in such fractions, is most consistent with the statute and the relevant legislative history. Under this interpretation, the source of the contamination, whether intentional addition of hazardous substances to the petroleum or addition of hazardous substances by use of the petroleum, is not relevant to the applicability of the petroleum exclusion. The remainder of this memorandum explains in greater detail this interpretation and its legal basis, and responds to arguments raised in opposition to this interpretation.

The following is our interpretation of "petroleum" under CERCLA 101(14) and 104(a)(2), which we believe to be consistent with Congressional intent and the position which the Agency has taken on the scope of the petroleum exclusion thus far. First, we interpret this provision to exclude from CERCLA response and liability crude oil and fractions of crude oil, including the hazardous substances, such as benzene, which are indigenous in those petroleum substances. Because these hazardous substances are found naturally in all crude oil and its fractions, they must be included in the term "petroleum," for that provision to have any meaning.

Secondly, "petroleum" under CERCLA also includes hazardous substances which are normally mixed with or added to crude oil or crude oil fractions during the refining process. This includes hazardous substances the levels of which are increased during refining. These substances are also part of "petroleum" since their addition is part of the normal oil separation and processing operations at a refinery in order to produce the product commonly understood to be "petroleum."

Finally, hazardous substances which are added to petroleum or which increase in concentration solely as a result of contamination of the petroleum during use are not part of the "petroleum" and thus are not excluded from CERCLA under the exclusion. (See footnote 3 below) In such cases, EPA may respond to releases of the added hazardous substance, but not the oil itself.

We believe that an interpretation of "petroleum" to include only indigenous, refinery-added hazardous substances is the interpretation of this provision which is most consistent with Congressional intent. The language of the provision, its explanation in the legislative history, and the Congressional debates on the final Superfund bill clearly indicate that Congress had no intention of shielding from Superfund response and liability hazardous substances merely because they are added, intentionally or by use, to petroleum products.

The language of the petroleum exclusion describes "petroleum" principally in terms of crude oil and crude oil fractions. This language is virtually identical to the language used in an earlier Superfund bill to define "oil." (See footnote 4 below) There is no indication in the statute or legislative history that the term "petroleum" was to be given any meaning other than its ordinary, everyday meaning. See Malat v. Riddell, 383 U.S. 569, 571 (1966) (words of a statute should be interpreted where possible in their ordinary, everyday sense). Petroleum is defined in a standard dictionary as

> an oily flammable bituminous liquid that may vary from almost colorless to black, occurs in many places in the upper strata of the earth, is a complex mixture of hydrocarbons with small amounts of other substances, and is prepared for use as gasoline, naphtha, or other products by various refining processes.

Webster's Ninth New Collegiate Dictionary 880 (1985). Thus, an interpretation of the phrase "petroleum, including crude oil or any fraction thereof" to include only crude oil, crude oil fractions, and refined petroleum fractions is consistent with the plain language of the statute. (See footnote 5 below)

========== Foot Note ==========

3 The mixing of two or more excluded petroleum substances, such as blending of fuels, would not be considered contamination by use, and the mixture would thus also be an excluded substance.

4 See H.R. 85, 96th Cong., 2d Sess. Section 101(s) (as passed by the House, September 1980) (""Oil" means petroleum, including crude oil or any fraction or residue therefrom"). H.R. 85 was designed principally to provide compensation and assess liability for oil tanker spills in navigable waters. As discussed below, the omission of this "oil spill" coverage under the petroleum exclusion was believed to be the most significant omission in terms of response to environmental releases under the final Superfund bill.

Although the bill containing the precursor to Section 101(14), S. 1480, does not have a definition of "petroleum" its accompanying report did explain the term "petroleum oil" in the context of the taxing provisions:

The term "petroleum oil" as used in subsection 5 means petroleum, including crude petroleum and any of its fractions or residues other than carbon black.

S. Rep. No. 96-848, 96th Cong., 2d Sess. 70 (1980).

5 This distinction under the exclusion in Title I of CERCLA between petroleum as the substance that leaves the refinery and the hazardous substances which are added to it prior to, during or after use was also made by Congress in Title II, the revenue provisions or CERCLA. In Title II, Congress made a distinction between "chemicals", petrochemical feedstocks and inorganic substances, taxed in Subchapter B of Chapter 38 of Internal Revenue Code, and "petroleum", crude oil and petroleum products, taxed in Subchapter A. Section 211 of CERCLA. The list of taxed chemicals includes many of the contaminant hazardous substances typically found in used oil: arsenic, cadmium, chromium, lead oxide, and mercury. The term "petroleum products" was explained in the legislative history as including essentially crude oil and its refined fractions. H. Rep. No. 96-172, part III, 96th Cong., 2d

Sess. 5 (1980) (to accompany H.R. 85).

The only legislative history which specifically discusses this provision states that

> petroleum, including crude oil and including fractions of crude oil which are not otherwise specifically listed or designated as hazardous substances under subparagraphs (A) through (F) of the definition, is excluded from the definition of a hazardous substance. __The reported bill does not cover spills or other releases strictly of oil__.

S. Rep. No. 96-848, 96th Cong., 2d Sess. 29-30 (1980) (emphasis added). Thus, the petroleum exclusion is explained as an exclusion from CERCLA for spills or releases ONLY of oil. The legislative history clearly contemplates that the petroleum exclusion will not apply to mixtures of petroleum and other toxic materials since these would not be releases "strictly of oil".

The Congressional debates on the final compromise Superfund legislation provides further clarification of Congressional intent concerning the scope of the petroleum exclusion, both in terms of what this provision deleted from the bill and what it did not. First, the major concern expressed with respect to the final compromise bill was the omission of its oil spill jurisdiction due to the petroleum exclusion. See e.g. 126 Cong. Rec. H11787 (Rep. Florio) (daily ed. December 3, 1980); id. at H11790 (Rep. Broyhill); id. at H11792 (Rep. Madigan); id. at H11793 (Rep. Studds); id. at H11795 (Rep. Biaggi); id. at H11796 (Rep. Snyder). This omission was of concern because it was believed to leave coastal areas and fisheries vunerable to tanker spills of crude and refined oil, such as the wreck of the Argo Merchant, and offshore oil well accidents. 126 Cong. Rec. H11793 (Rep. Studds) (daily ed. December 3, 1980). see also 126 Cong. Rec. S10578 (proposed amendment to S1480 by Sen. Magnuson) (daily ed. August 1, 1980); id. at S10845 (proposed amendment to S1480 by Sen. Gravel) (daily ed. August 5, 1980). The omitted coverage of oil spills was believed to include approximately 500 spills per year, 126 Cong. Rec. H11796 (Rep. Snyder) (daily ed. December 3, 1980), far less than the number of contaminated oil releases each year.

However, it was clear that the omission of oil coverage was intended to include spills of oil only, and there was no intent to exclude from the bill mixtures of oil and hazardous substances. The remarks of Rep. Mikulski are typical of the general understanding of the effect of the petroleum exclusion in the final bill:

> The Senate bill is substantially similar to the House measure, with the exception that there is no oil title.
>
> I realize that it is disappointing to see no oil-related provision in the bill, but we must also realize that this is our only chance to get hazardous waste dump site cleanup legislation enacted. . . .
>
> Moreover, there is already a mechanism in place that is designed to deal with spills in navigable waterways. There is not, however, any provision currently in our law that addresses the potentially ruinous situation of abandoned toxic dump sites.
>
> I, therefore, believe that it is imperative that we pass the Senate bill as a very important beginning in our attempt to defuse the ticking environmental time bomb of abandoned toxic waste sites.

Id. at H11796.

In addition, several speakers specifically identified such mixtures

as releases not only covered by the legislation but releases to which the bill was addressed.

> Mr. Edgar ...
>
> In my State, hazardous substances problems have been discovered at an alarming rate in recent years. In the summer of 1979, an oil slick appeared on the Susquehanna River near Pittston, Pa. When EPA officials responded under section 311 of the Clean Water Act, they learned that the slick contained a variety of highly poisonous chemicals in addition to the oil.
>
> Officials estimate that more than 300,000 gallons of acids, cyanide compounds, industrial solvents, waste oil and other chemicals remain at this site where they could be washed to the surface anywhere in a 10-square mile surface.

Id. at H11798. See also 126 Cong. Rec. S14963 (daily ed. November 24, 1980) (Sen. Randolph) (contaminated oil slick). Other petroleum products containing hazardous substance additives intended to be addressed by the legislation include PCB's in transformer fluid, id. at S14963 (Sen. Randolph) and S14967 (Sen. Stafford), dioxin in motor fuel used as a dust suppressant, id. at S14974 (Sen. Mitchell), PCB's in waste oil, id. at (Sen. Mitchell) (See footnote 6 below) and contaminated waste oil, id. at S14980 (Sen. Cohen). Accordingly, Congress understood the petroleum exclusion to remove from CERCLA jurisdiction spills only of oil, not releases of hazardous substances mixed with the oil.

There are two principal arguments which have been raised in opposition to this interpretation. First, the argument has been made that this interpretation narrows the petroleum exclusion to the extent that it has became virtually meaningless. As we have noted in previous opinions on this issue, an interpretation which emasculates a provision of a statute is strongly disfavored. Marsano v. Laird, 412 F.2d 65, 70 (2d Cir. 1969). However, this interpretation leaves a significant number of petroleum spills outside the reach of CERCLA. Spills or releases of gasoline remain excluded from CERCLA under the petroleum exclusion. As indicated by the legislative history for the 1984 underground storage tank legislation, leaking of gasoline from underground tanks appears to be the greatest source of groundwater contamination in the United States. 130 Cong. Rec. S2027, 2028 (daily ed. February 29, 1984) (Sen. Durenberger). In addition, spills of crude or refined petroleum are not subject to Superfund, as was frequently noted prior to its passage. See generally 126 Cong. Rec. H11786-H11802 (daily ed. December 5, 1980). Moreover, under this interpretation not all releases of used oil will be subject to CERCLA since used oil does not necessarily contain non-indigenous hazardous substances or hazardous substances in elevated levels. (See footnote 7 below) Although used oil is generally "contaminated" by definition, see e.g., RCRA Section 1005 (36), the impurities added by use may not be CERCLA hazardous substances.

========== Foot Note ==========

6 The illegal disposal of PCB's in North Carolina described by Senator Mitchell was a result of the spraying of 131,000 gallons of PCB-contaminated waste oil along a roadway. See 126 Cong. Rec. H9448 (daily ed. September 23, 1980).

7 Data submitted to EPA by the Utility Solid Waste Activities Group et al. in Appendix C of their comments on the RCRA Used Oil listing, February 11, 1986.

==========

A second argument which has been made opposing this interpretation is that Congress intended to include in the term "petroleum" all

hazardous substances added through normal use of the petroleum substance. However, even if it were possible to determine in a response situation whether a hazardous substance was added intentionally or only through normal use or to determine what additions are "intentional", the legislative history is contrary to such a distinction. As noted above, the Senate Report explaining this provision states that it excludes releases or spills strictly of oil. This explanation expresses Congressional intent that releases of mixtures of oil and toxic chemicals, i.e. releases which are not strictly of oil, would be subject to CERCLA response authority. Releases of contaminated oil even if contaminated due to "normal use" are not releases strictly of oil.

Furthermore, the Congressional debates prior to passage clearly indicate an intent that contaminated oil would be subject to Superfund as several such releases were discussed as the focus of the legislation. Congress was concerned with the environmental and health effect of abandoned toxic waste sites, not whether the presence of such hazards was intentional or due to normal practices. In fact, one of the petroleum-hazardous substance mixtures most often mentioned during the debates was that of PCB contaminated oil, which is a type of contamination arguably resulting the "normal use" of the oil in transformers. Accordingly, an interpretation of the petroleum exclusion which includes as "petroleum" hazardous substances added during use of the petroleum would not be consistent with Congressional intent.

Finally, although the Superfund Amendments and Reauthorization Act of 1986 (SARA) contains several provisions related to oil and oil releases, it did not amend the petroleum exclusion under CERCLA. Moreover, the new provisions concerning oil and oil releases and their legislative history do not indicate a Congressional intent inconsistent with this opinion.

The only discussion of "petroleum" in the Conference Report for SARA is in the context of defining the scope of the new petroleum response fund for leaking underground storage tanks under Subtitle I of the Resource Conservation and Recovery Act (RCRA). Subtitle I defines "petroleum" in a manner nearly identical to CERCLA. The Conference Report specifies that used oil would be subject to the response fund notwithstanding its contamination with hazardous substances. H. Rep. No. 99-962, 99th Cong., 2d Sess. 228 (1986). The Conference Report is not inconsistent with the Agency's position on "petroleum" under CERCLA since it merely specifies that the leaking underground storage tank (UST) response fund is applicable to tanks containing certain mixtures of oil and hazardous substances, as well as to tanks containing uncontaminated petroleum. In fact, the Report further states that the UST response fund must cover releases of used oil from tanks since "releases from tanks containing used oil would not rise to the priority necessary...for CERCLA response", id. (emphasis added), not because such releases would be entirely excluded from CERCLA jurisdiction. See also 132 Cong. Rec. S14928 (daily ed. October 3, 1986) (Senator Chaffee) (Nothing in Section 114, pertaining to liability for releases of recycled oil, "shall affect or impair the authority of the President to take a response action pursuant to Section 104 or 106 of CERCLA with respect to any release...of used oil or recycled oil"); 132 Cong. Rec. H9611 (daily ed. October 8, 1986) (Rep. Schneider) ("...the oil companies are rightfully assessed a significant share of the Superfund tax...Waste oils laced with contaminants have been identified at least 153 Superfund sites in 32 States.").

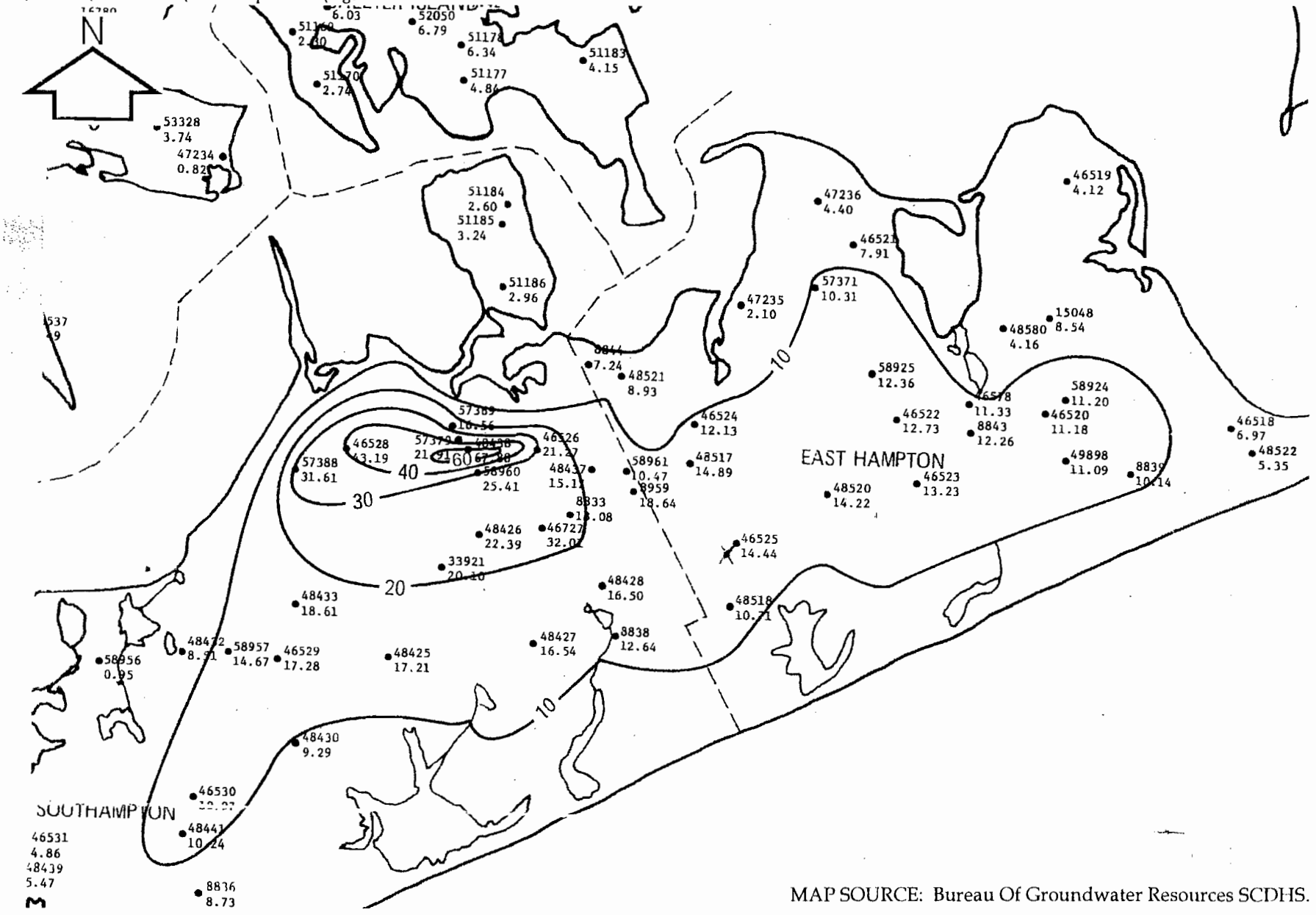
Return to the top of this document.

Return to OSRE Home Page

Reference 15

Water Table Contour Map, East Hampton Aire.

O:\KALNY\Suffolk Sites\East Hampton Aire\Figure 1-3



MAP SOURCE: Bureau Of Groundwater Resources SCDHS.

CDM Camp Dresser & McKee

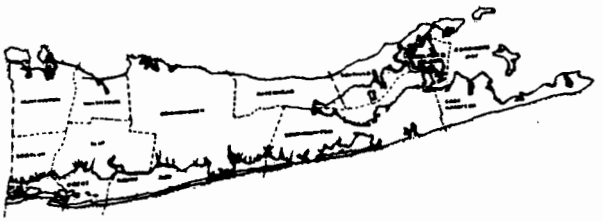
Water Table Contour Map
East Hampton Aire

Reference 16

Suffolk County Comprehensive Water Resources Management Plan. Prepared by Dvirka and Bartilucci and Malcolm Pirnie Inc.

SUFFOLK COUNTY COMPREHENSIVE WATER RESOURCES MANAGEMENT PLAN

VOLUME I



Dvirka and Bartilucci
consulting engineers

and MALCOLM PIRNIE INC.

WRMP Table 5-6

EVAPOTRANSPIRATION RATES CALCULATED
BY THE THORNTHWAITE METHOD
(AVERAGE FOR 1968-1975)

Station	Precip	ET	%ET	Root Zone or Crop Type	Soil Type
Bridgehampton	45.42"	21.2"	46.6	1.7' - shallow root	sandy loam
		21.4"	47.2	2.1' - shallow root	silt loam
Mineola	46.75"	25.1"	53.7	3.3' - moderate root	sandy loam
		25.5"	54.5	5.6' - orchards	
Patchogue	47.72"	25.5"	53.5	8.3' - mature forest	fine sand
Riverhead	45.39"	22.4"	49.3	1.7' - shallow root	sandy loam
		24.8"	54.7	5.6' - orchards	
Setauket	46.28"	26.8"	57.9	6.7' - mature forest	sandy loam
Upton	49.44"	23.9"	48.4	4.2' - deep root	silt loam
		23.0"	46.5	3.3' - mod./deep root	sandy loam

WRMP Table 5-7

EVAPOTRANSPIRATION AND RECHARGE RATES
BASED ON THE CORNELL FORMULA
(AVERAGE FOR 1968-1975)

Station	Precip.	Evapotranspir. (in)	Evapotranspir. (%)	Recharge (in)	Recharge (%)
Bridgehampton	45.4"	17.8	39.3	27.6	60.7
Mineola	46.8"	23.0	49.3	23.7	50.7
Patchogue	47.7"	21.7	45.4	26.0	54.6
Riverhead	45.4"	19.6	43.1	25.8	56.9
Setauket	46.3"	21.2	45.9	25.1	54.1

After Miller and Frederick (1969).
Water years 1951-1965.

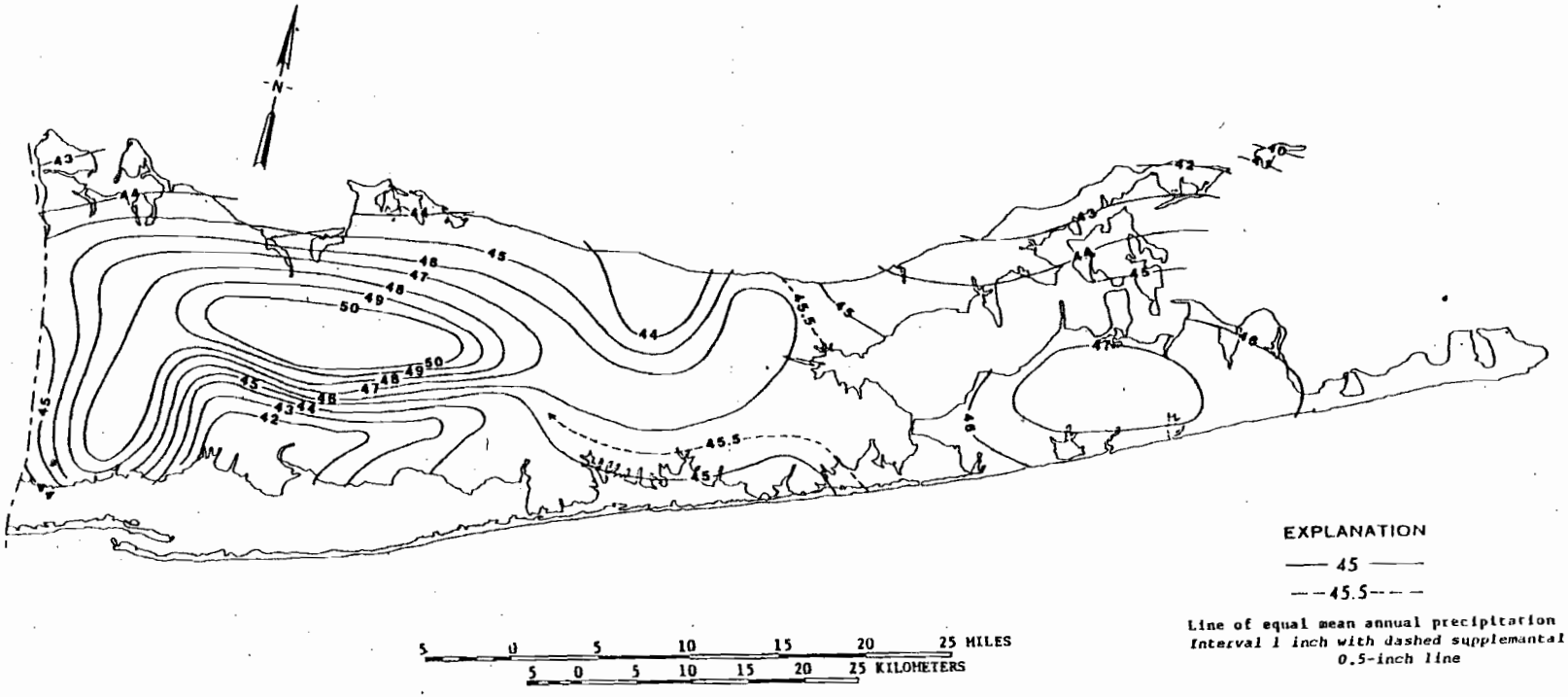


Figure 5-7 AVERAGE ANNUAL PRECIPITATION: SUFFOLK COUNTY

Reference 17

Suffolk County Department of Planning. Map and Population Survey.

Suffolk County Department of Planning

P.O. Box 6100
Hauppauge, NY 11788-0099
(631) 853-5190
FAX: (631) 853-4044

FAX TRANSMISSION COVER SHEET

To: Christopher Korzenko

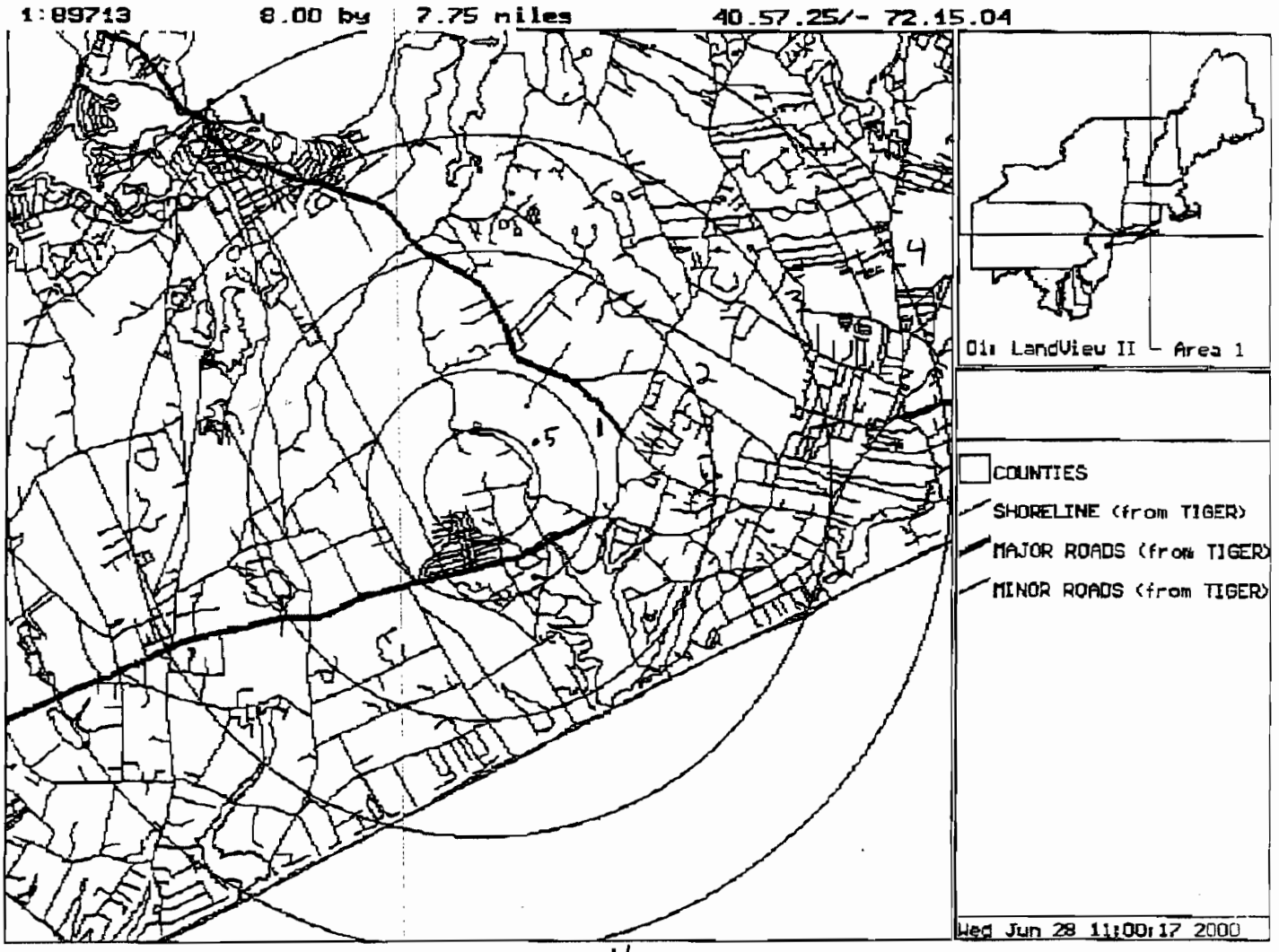
From: Roy Fedelem

Date:

Subject:

YOU SHOULD RECEIVE 15 PAGE(S), INCLUDING THIS COVER SHEET. IF YOU DO NOT RECEIVE ALL THE PAGES, PLEASE CALL (631) 853-5190.

Message:



Wainscott

0 - 1/4 mi	NA
1/4 - 1/2 mi	NA
1/2 - 1 mi	487
1 - 2 mi	596 - 487 = 109
2 - 3 mi	4355 - 596 = 3,759
3 - 4 mi	8462 - 4355 = 4,107
TOTAL	8,462

POPULATION SUMMARY

LOCATION	:	3.0 mi. radius at 40.957152, -72.251361
# BLOCK GROUPS INCLUDED	:	7
NUMBER OF PERSONS	:	4355
NUMBER OF FAMILIES	:	1177
NUMBER OF HOUSEHOLDS	:	1911
MEDIAN (EST.) HOUSEHOLD INCOME	:	49866
AGE 0 THRU 4	:	237
AGE 5 THRU 9	:	199
AGE 10 THRU 19	:	419
AGE 20 THRU 49	:	1726
AGE 50 THRU 64	:	846
AGE 65 AND OVER	:	928
WHITE	:	4096
BLACK	:	185
INDIAN	:	12
ASIAN	:	45
OTHER RACE	:	17
HISPANIC	:	98
OWNER OCCUPIED	:	1575
RENTER OCCUPIED	:	336
PERCENT AGE 0 THRU 4	:	5.4
PERCENT AGE 5 THRU 9	:	4.6
PERCENT AGE 10 THRU 19	:	9.6
PERCENT AGE 20 THRU 49	:	39.6
PERCENT AGE 50 THRU 64	:	19.4
PERCENT AGE 65 AND OVER	:	21.3
PERCENT WHITE	:	94.1
PERCENT BLACK	:	4.2
PERCENT INDIAN	:	0.3
PERCENT ASIAN	:	1.0
PERCENT HISPANIC	:	2.3
PERCENT OTHER RACE	:	0.4
PERCENT OWNER OCCUPIED	:	82.4
PERCENT RENTER OCCUPIED	:	17.6

Wainscott

POPULATION SUMMARY

LOCATION	:	2.0 mi. radius at 40.957152, -72.251361
# BLOCK GROUPS INCLUDED	:	2
NUMBER OF PERSONS	:	596
NUMBER OF FAMILIES	:	161
NUMBER OF HOUSEHOLDS	:	264
MEDIAN (EST.) HOUSEHOLD INCOME	:	79859
AGE 0 THRU 4	:	32
AGE 5 THRU 9	:	28
AGE 10 THRU 19	:	61
AGE 20 THRU 49	:	226
AGE 50 THRU 64	:	126
AGE 65 AND OVER	:	123
WHITE	:	544
BLACK	:	28
INDIAN	:	7
ASIAN	:	15
OTHER RACE	:	2
HISPANIC	:	18
OWNER OCCUPIED	:	226
RENTER OCCUPIED	:	38
PERCENT AGE 0 THRU 4	:	5.4
PERCENT AGE 5 THRU 9	:	4.7
PERCENT AGE 10 THRU 19	:	10.2
PERCENT AGE 20 THRU 49	:	37.9
PERCENT AGE 50 THRU 64	:	21.1
PERCENT AGE 65 AND OVER	:	20.6
PERCENT WHITE	:	91.3
PERCENT BLACK	:	4.7
PERCENT INDIAN	:	1.2
PERCENT ASIAN	:	2.5
PERCENT HISPANIC	:	3.0
PERCENT OTHER RACE	:	0.3
PERCENT OWNER OCCUPIED	:	85.6
PERCENT RENTER OCCUPIED	:	14.4

Watrous #

POPULATION SUMMARY

LOCATION	:	1.0 mi. radius at 40.957152, -72.251361
# BLOCK GROUPS INCLUDED	:	1
NUMBER OF PERSONS	:	487
NUMBER OF FAMILIES	:	131
NUMBER OF HOUSEHOLDS	:	206
MEDIAN (EST.) HOUSEHOLD INCOME	:	71043
AGE 0 THRU 4	:	30
AGE 5 THRU 9	:	25
AGE 10 THRU 19	:	52
AGE 20 THRU 49	:	201
AGE 50 THRU 64	:	92
AGE 65 AND OVER	:	87
WHITE	:	443
BLACK	:	23
INDIAN	:	7
ASIAN	:	12
OTHER RACE	:	2
HISPANIC	:	16
OWNER OCCUPIED	:	174
RENTER OCCUPIED	:	32
PERCENT AGE 0 THRU 4	:	6.2
PERCENT AGE 5 THRU 9	:	5.1
PERCENT AGE 10 THRU 19	:	10.7
PERCENT AGE 20 THRU 49	:	41.3
PERCENT AGE 50 THRU 64	:	18.9
PERCENT AGE 65 AND OVER	:	17.9
PERCENT WHITE	:	91.0
PERCENT BLACK	:	4.7
PERCENT INDIAN	:	1.4
PERCENT ASIAN	:	2.5
PERCENT HISPANIC	:	3.3
PERCENT OTHER RACE	:	0.4
PERCENT OWNER OCCUPIED	:	84.5
PERCENT RENTER OCCUPIED	:	15.5

Wainscott

same for .5 mi radius

POPULATION SUMMARY

LOCATION	:	4.0 mi. radius at 40.956578, -72.250320
# BLOCK GROUPS INCLUDED	:	12
NUMBER OF PERSONS	:	8462
NUMBER OF FAMILIES	:	2255
NUMBER OF HOUSEHOLDS	:	3678
MEDIAN (EST.) HOUSEHOLD INCOME	:	49636
AGE 0 THRU 4	:	477
AGE 5 THRU 9	:	427
AGE 10 THRU 19	:	806
AGE 20 THRU 49	:	3337
AGE 50 THRU 64	:	1617
AGE 65 AND OVER	:	1798
WHITE	:	7564
BLACK	:	754
INDIAN	:	32
ASIAN	:	57
OTHER RACE	:	55
HISPANIC	:	201
OWNER OCCUPIED	:	2926
RENTER OCCUPIED	:	752
PERCENT AGE 0 THRU 4	:	5.6
PERCENT AGE 5 THRU 9	:	5.0
PERCENT AGE 10 THRU 19	:	9.5
PERCENT AGE 20 THRU 49	:	39.4
PERCENT AGE 50 THRU 64	:	19.1
PERCENT AGE 65 AND OVER	:	21.2
PERCENT WHITE	:	89.4
PERCENT BLACK	:	8.9
PERCENT INDIAN	:	0.4
PERCENT ASIAN	:	0.7
PERCENT HISPANIC	:	2.4
PERCENT OTHER RACE	:	0.6
PERCENT OWNER OCCUPIED	:	79.6
PERCENT RENTER OCCUPIED	:	20.4

Industrial Rd. + Wajascott
Northwest Road
Wainscott

Reference 18

NYSDEC, Telephone Interview with Mr. Spitz, 2-15-00. Contact Person was Bill Kwitnicki, YEC Inc.

TELCON MEMO : Wellhead Protection

SITE NAME: Suffolk County HRS sites	PROJECT ID NO: A0226, 228, 230
PERSON CONTACTED: Mr. Spitz	DATE: 2-15-00
AFFILIATION: NYS DEC	PHONE NO: 516-444-0419
TITLE	CONTACT PERSON: Bill Kwitnicki

SUMMARY:

Mr. Spitz informed me that since Suffolk County NY is supplied by a sole-source aquifer (SSA) ∴ all of L.I. is within a wellhead protection area. All three HRS sites → : Chemical Pollution Control (A0226)
Contract Cosmetics (A0228)
Mackenzie Barrn (A0230)
are in wellhead protection areas.

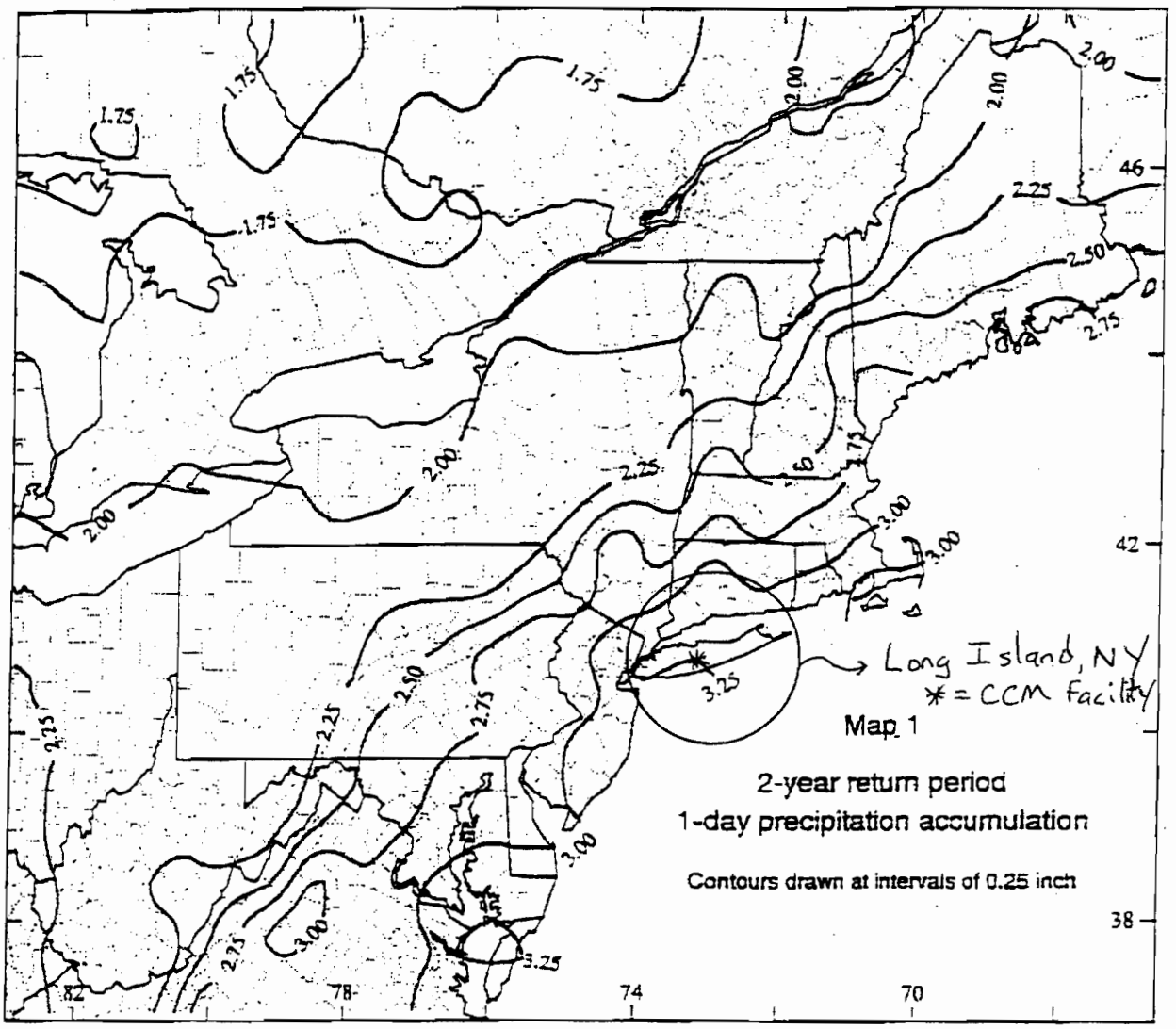
Reference 19

Northeast Regional Climate Center, Research Series, September 1993. Atlas of Precipitation Extremes for the Northeastern United States and Canada.

Atlas of Precipitation Extremes for the Northeastern United States and Southeastern Canada

Daniel S. Wilks
Richard P. Cember

Northeast Regional Climate Center
Research Series
Publication No. RR 93-5
September 1993



Map 1

2-year return period
1-day precipitation accumulation

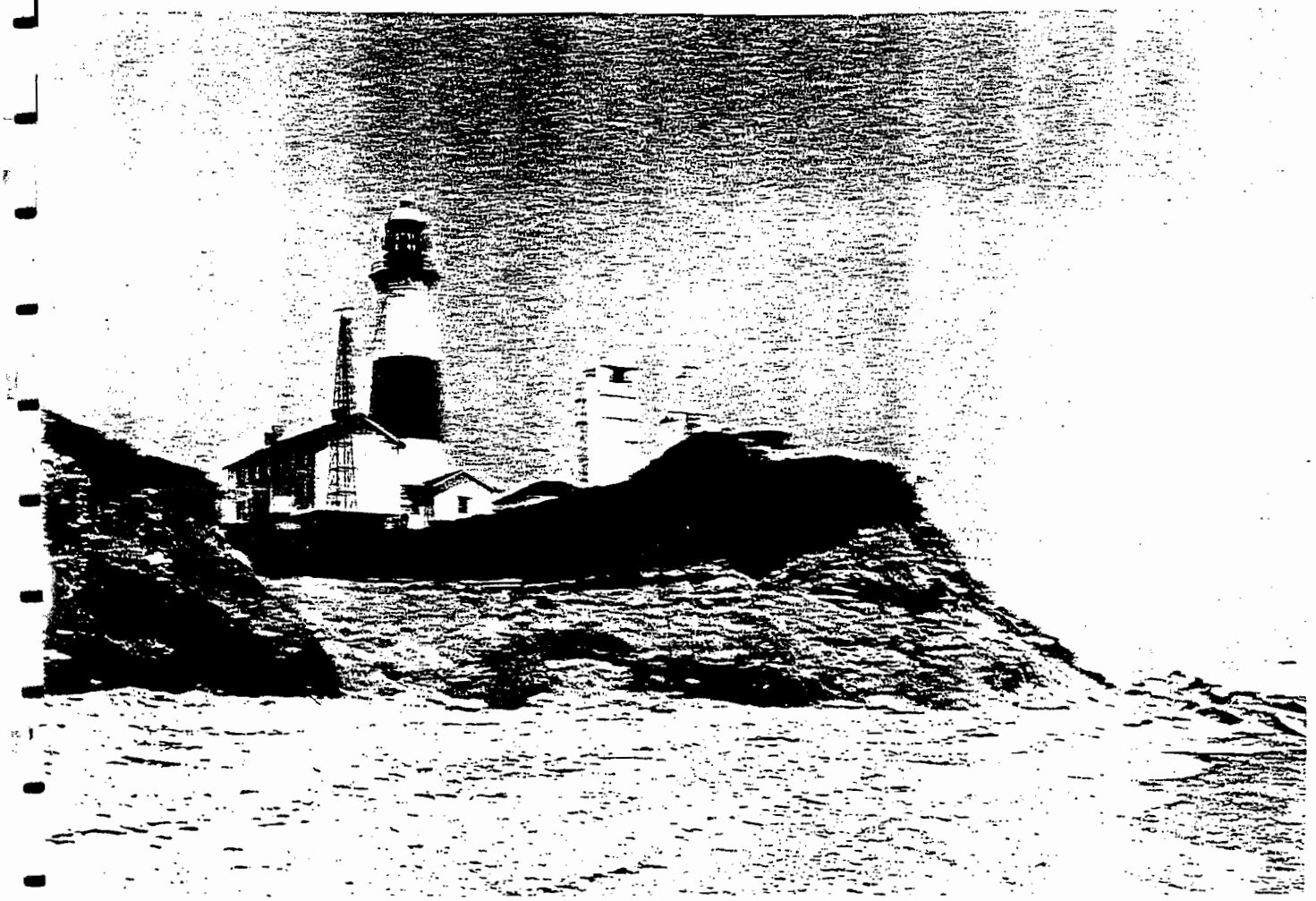
Contours drawn at intervals of 0.25 inch

Reference 20

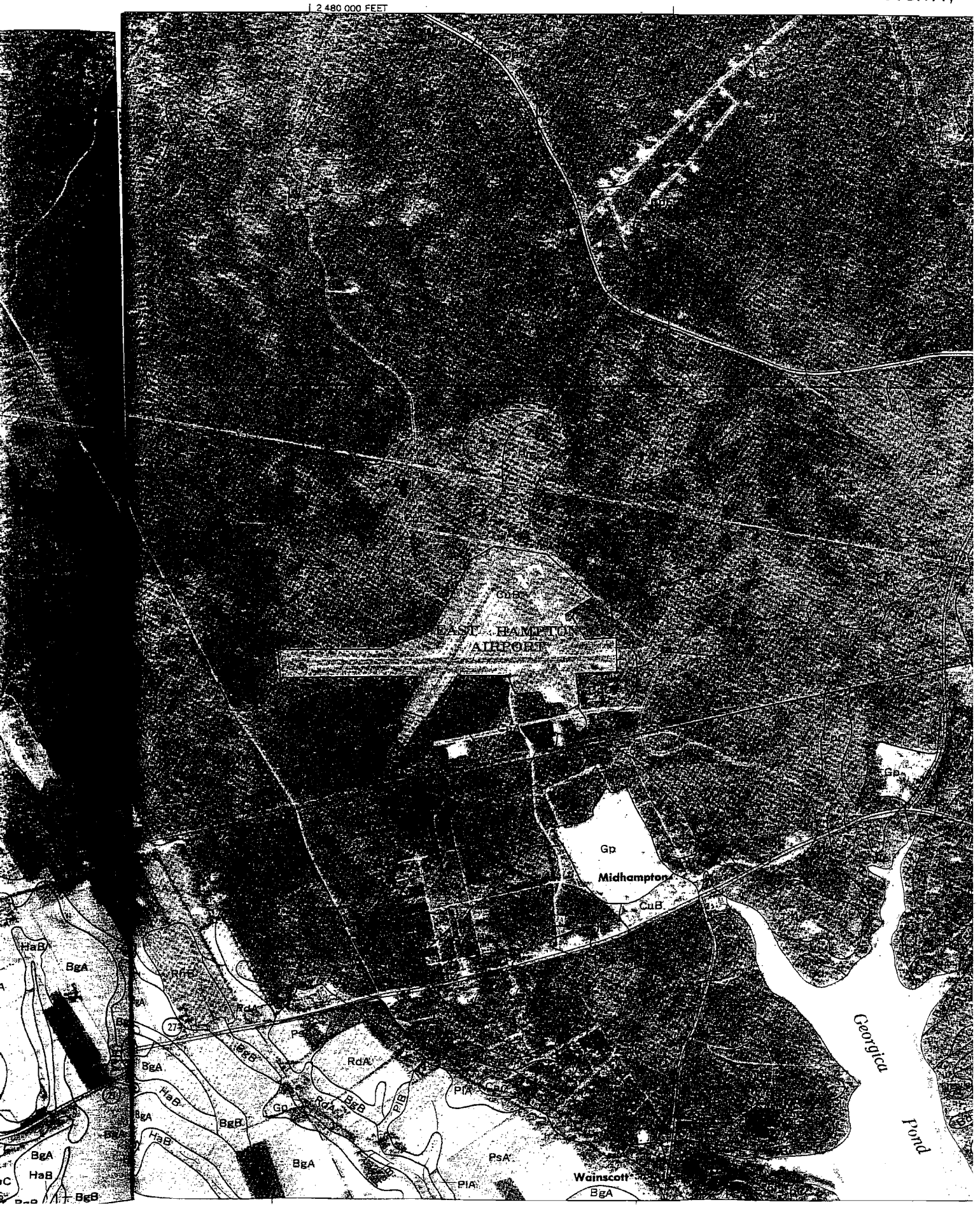
Soil Survey of Suffolk County Provided by the United States Department of Agriculture, Soil Conservation Service.

SOIL SURVEY OF

Suffolk County, New York



United States Department of Agriculture
Soil Conservation Service
in cooperation with
Cornell Agricultural Experiment Station


2 480 000 FEET
EAST HAMPTON AIRPORT
Gp
Midhampton
CuB
Georgica Pond
Wainscott
BgA
BgB
HaB
RdA
PsA
PIA
PIB
RfrC
27

ered by drainage, these soils can be used for crops. Reaction is strongly acid to medium acid in the surface layer and medium acid to slightly acid in the subsoil. Natural fertility is medium, which is somewhat higher than that of other soils in the county. The response of crops to lime and fertilizer is good. The root zone is 20 to 25 inches thick. Available moisture capacity is high in the lower part of the root zone.

Representative profile of Canadice silt loam, in a wooded area, between Franklin Avenue and the railroad tracks, one-half mile southwest of Greenport:

O1—4 to 3 inches, loose oak and beech leaves.
O2—3 inches to 0, black (10YR 2/1), partly decomposed organic matter; very heavily matted with roots.
A1—0 to 4 inches, dark-brown (10YR 3/3) silt loam; weak, medium, granular structure; friable; many roots; very strongly acid; clear, wavy boundary.
A21g—4 to 6 inches, gray or light-gray (10YR 6/1) silt loam; massive; slightly sticky; common roots; very strongly acid; clear, irregular boundary.
A22g—6 to 18 inches, gray or light-gray (10YR 6/1) loam; many, medium and coarse, faint, light yellowish-brown and yellowish-brown mottles; massive; sticky; common roots; strongly acid; clear, irregular boundary.
B21t—18 to 24 inches, gray or light-gray (10YR 6/1) clay loam; many, medium, prominent, dark yellowish-brown and strong-brown mottles; very weak, fine, blocky structure; sticky; a few patchy clay films; medium acid; clear, wavy boundary.
IIB22t—24 to 50 inches, reddish-brown (5YR 5/4) silty clay; a few, medium, prominent, gray mottles and a few, medium, distinct, strong-brown mottles; weak, medium, blocky structure; firm; sticky; a few roots; many reddish-gray (5YR 5/2) clay films on ped faces and in pores; a few streaks and pockets of gray sandy and gravelly material; a few black iron concretions; medium acid.

The solum is 40 to 50 inches thick. The content of coarse fragments in the solum is less than 5 percent. Reaction is very strongly acid to medium acid in the A horizon and in the upper part of the B horizon, and it is medium acid to slightly acid in the lower part of the B horizon.

The A1 horizon ranges from black (10YR 2/1) to dark brown (10YR 3/3). It has weak to moderate granular structure. Consistence is friable or very friable. In the A2 horizon color ranges from gray to light gray (10YR 6/1) or light brownish gray (10YR 6/2).

In the B21t horizon color ranges from dark grayish brown (10YR 4/2) to gray or light gray (10YR 6/1). Texture in this horizon ranges from clay loam to silty clay loam. In the IIB22t horizon color ranges from reddish brown (5YR 5/4) to weak red (2.5YR 4/2). Texture ranges from silty clay to silty clay loam.

Canadice soils are redder in the lower part of the B horizon and are more acid throughout the solum than the defined range for the series. These differences do not alter their usefulness or behavior.

Canadice soils are near Walpole and Raynham soils. Canadice soils are similar to those soils in drainage, but they have a higher content of clay and are redder in the lower part of the B horizon than Walpole and Raynham soils.

Canadice silt loam (Ca).—This is the only Canadice soil mapped in the county. It is mainly in one large continuous area near Greenport. Slope is 3 percent or less.

Included with this soil in mapping are small areas of moderately well drained, gently sloping soils that formed in the same kind of material as Canadice soil. Old clay pits are common because this soil provided an excellent source of clay for making bricks.

The hazard of erosion is slight on this soil. The soil must be artificially drained for successful production of commonly grown crops, but a lack of suitable outlets makes artificial drainage difficult. Because of wetness, most areas of this soil have been left as woodland. Capability unit IVw–2; woodland suitability group 5w1.

Carver Series

The Carver series consists of deep, excessively drained, coarse-textured soils. These soils are nearly level to steep and are throughout the county on rolling moraines and broad outwash plains. Slopes range from 0 to 35 percent. Native vegetation is white oak, black oak, scrub oak, and pitch pine.

In a representative profile a thin layer of leaf litter and partly decayed organic matter is on the surface. Below this is the surface layer of dark-gray sand about 3 inches thick. The subsurface layer is gray or light-gray loose sand to a depth of 8 inches. The subsoil is loose sand to a depth of about 22 inches. It is brown in the upper part and strong brown in the lower part. The substratum, to a depth of 60 inches, is loose sand that contains some gravel. It is light yellowish brown to brownish yellow to a depth of 31 inches. Below this, it is light yellowish brown.

Carver soils have very low available moisture capacity. Natural fertility is very low. The response of crops to applications of lime and fertilizer is fair. Permeability is rapid throughout. The root zone is mainly in the uppermost 30 to 40 inches.

Representative profile of Carver sand from an area of Carver and Plymouth sands, 0 to 3 percent slopes, 4.8 miles east of Riverhead on south side of State Route 24 in Southampton:

O1—2 inches to 1 inch, loose hardwood leaves.
O2—1 inch to 0, black mull; a few white sand grains.
A1—0 to 3 inches, dark-gray (10YR 4/1) medium and coarse sand; massive; loose; common roots; very strongly acid; clear, wavy boundary.
A2—3 to 8 inches, gray or light-gray (10YR 6/1) medium and coarse sand; single grain; loose; common roots; dark staining from charcoal left by forest fires; very strongly acid; abrupt, wavy boundary.
B21—8 to 14 inches, brown (7.5YR 5/4) coarse and medium sand; single grain; loose; common roots; very strongly acid; clear, irregular boundary.
B22—14 to 22 inches, strong-brown (7.5YR 5/6) coarse sand; massive to very weak, medium, subangular blocky structure; very friable to loose; common roots; some interfingering of dark-brown material; 5 percent rounded gravel in lower part; very strongly acid; clear, wavy boundary.
C1—22 to 31 inches, light yellowish-brown (10YR 6/4) to brownish-yellow (10YR 6/6) coarse sand; single grain; loose; a few roots; 5 percent rounded gravel; a few yellowish-brown spots; very strongly acid; gradual, wavy boundary.
C2—31 to 60 inches, light yellowish-brown (2.5Y 6/4) coarse sand and a few pebbles; single grain, loose; 10 percent fine gravel; very strongly acid.

The thickness of the solum ranges from 16 to 32 inches. The content of coarse fragments ranges from 0 to 15 percent in the solum and from 5 to 30 percent in the substratum. Reaction ranges from very strongly acid to strongly acid throughout. Texture of the solum ranges from fine sand to coarse sand, but it generally is medium and coarse sand. Consistence ranges from very friable to loose.

The A1 horizon ranges from black (10YR 2/1) to dark gray (10YR 4/1). It is massive or has weak, granular structure. The A2 horizon ranges from gray (10YR 5/1) to light brownish gray (10YR 6/2).

The B horizons range from brown (7.5YR 5/4) to brownish yellow (10YR 6/6). These horizons are single grain or massive to weak granular structure.

The C horizon ranges from yellowish brown (10YR 5/4) to yellow (2.5Y 7/6).

Carver soils are associated with Plymouth soils. Carver soils are similar to Plymouth soils; but they have a prominent A2 horizon, and the upper part of the B horizon is richer in iron and humus. Also associated with Carver soils are Deerfield soils that have a seasonal high water table within a depth of 18 to 24 inches.

Carver and Plymouth sands, 0 to 3 percent slopes (CpA).—These soils are mainly on outwash plains; however, they are also on some flatter hilltops and intervening draws on moraines. A small part of this mapping unit is slightly undulating. This unit can be made up entirely of Carver sand, entirely of Plymouth sand, or of a combination of the two soils.

The Carver soil in this mapping unit has the profile described as representative of the Carver series. The Plymouth soil has a profile similar to the one described as representative of the Plymouth series, except that its texture is sand throughout the profile, rather than loamy sand.

Included with these soils in mapping are small areas of Plymouth loamy sand and areas of loamy sands that have a profile similar to soils of the Carver series. Also included are soils that are like Carver soils that have dark iron and humus coatings on the sand grains in the upper part of the subsoil. Also included are small areas of Haven or Riverhead soils on moraines that have dense cover of vegetation and a complex topography.

The hazard of erosion is slight on the soils in this unit. These soils are droughty. Natural fertility is low.

These soils are not well suited to the crops commonly grown in the county. Because these soils tend to be droughty, lawns and shrub plantings are difficult to establish and maintain. Almost all of this unit has been left in woodland or in brush. Many areas previously cleared for farming are now idle. Most areas in the western part of the county and near the shores of the eastern part of the county are used for housing developments. Capability unit VIIs–1; woodland suitability group 5s1.

Carver and Plymouth sands, 3 to 15 percent slopes (CpC).—These soils are mainly on rolling moraines; however, they are also on the side slopes of many drainage channels on the outwash plains. Individual areas of this mapping unit are large on the rolling topography of the Ronkonkoma moraine, and in these areas slopes are complex. On the outwash plain, this unit is in long, narrow strips parallel to drainageways. This unit can be made up entirely of Carver sand, entirely of Plymouth sand, or of a combination of the two soils.

The Carver soil in this mapping unit has a profile similar to the profile described as representative of that series. The Plymouth soil in this unit has a profile similar to the profile described as representative of the Plymouth series, except that its texture is sand throughout the profile, rather than loamy sand.

Generally included with this unit in mapping are areas of Plymouth loamy sand or loamy coarse sand that are very close to sand in texture. Also included are small areas of Carver and Plymouth sands, 0 to 3 percent slopes. Small areas of these soils on moraines are as much as 25 percent gravel throughout, especially along the crests of low ridges. Also included are soils similar to this Carver soil that have dark iron and humus coatings on the sand grains in the upper part of the subsoil. In the bottom of many closed depressions, these soils have siltier accumulations from adjoining hillsides; and in some places silty lenses are deep into the substratum.

The hazard of erosion is slight to moderate on the soils in this unit. These soils are droughty, and natural fertility is low. In some places, slope is a limitation to use.

These soils are not well suited to crops commonly grown in the county. These sandy soils severely limit installation and maintenance of lawns and landscaping shrubs. Almost all of these soils are in woodland. Many areas in the western part of the county, particularly along the north shore, are used as homesites. Capability unit VIIs–1; woodland suitability group 5s1.

Carver and Plymouth sands, 15 to 35 percent slopes (CpE).—These soils are almost exclusively on moraines except for a few steep areas on side slopes along some of the more deeply cut drainage channels on outwash plains. On morainic landforms these areas are large, and slopes generally are complex, especially on the Ronkonkoma moraine. On the outwash plains the areas are in long, narrow strips parallel to the drainage channels. Some areas are made up entirely of Carver sand, others entirely of Plymouth sand, and still others of a combination of the two soils.

The Carver soil in this mapping unit has a profile similar to the profile described as representative of that series, except that the gravel content is greater, and gravel makes up as much as 15 percent, by volume, of the soil in some places. The Carver soil in this unit generally is a few inches thinner to the substratum than the soil described as representative. The Plymouth soil in this unit is similar to the soil described as representative of the Plymouth series, except that its texture is sand rather than loamy sand. Also, it has a higher content of gravel, and gravel makes up as much as 15 percent, by volume, of the soil in some places.

Included with these soils in mapping are small areas of loamy sand and small areas of Carver and Plymouth sands, 0 to 3 percent slopes, or 3 to 15 percent slopes. Also, on moraines, some areas of this unit contain as much as 30 percent gravel and a few cobblestones. Such areas generally are small and are in a mixed pattern with soils that contain less gravel. Also included are areas of Montauk loamy sand, sandy variant, 15 to 35 percent slopes, that have a weakly developed fragipan or a fragipan that is at a depth of more than about 4 feet. Also included are soils that are similar to Carver soils that have dark iron and humus coatings on the sand grains in the upper part of the subsoil. Also included are small areas of Haven and Riverhead soils that have slopes of more than 15 percent.

The hazard of erosion is moderate to severe on the soils in this unit. These soils are droughty, and natural fertility is low. Moderately steep to steep slopes are a limitation to use.

The soils of this unit are poorly suited to crops commonly grown in the county. Areas of these soils have not been cleared for farming. A few areas in the western

crops to lime and fertilizer is fair. Reaction is strongly acid to very strongly acid throughout the profile of most of these soils, but it is strongly acid to medium acid in the lower substratum of soils in the silty substratum phase. The root zone is confined mainly to the upper 25 to 35 inches. Internal drainage is good. Permeability is rapid in all of these soils except in those of the silty substratum phase. Permeability is moderate in the silty layer of soils in the silty substratum phase.

Representative profile of Plymouth loamy sand, 0 to 3 percent slopes, in a wooded area, in Heckscher State Park:

A1—0 to 4 inches, very dark grayish-brown (10YR 3/2) loamy sand; very weak, medium, granular structure; very friable; many fine roots; 5 percent fine gravel; many clean white sand grains; very strongly acid; clear, wavy boundary.

B21—4 to 10 inches, yellowish-brown (10YR 5/4) loamy sand; single grain to very weak, medium, subangular blocky structure; very friable; common roots; 5 percent fine gravel; material similar to that in the A1 horizon makes up 20 percent of the mass; very strongly acid; gradual, wavy boundary.

B22—10 to 17 inches, yellowish-brown (10YR 5/6) loamy sand; single grain; loose; common roots; 5 percent fine gravel; very strongly acid; gradual, wavy boundary.

B23—17 to 27 inches; brown (7.5YR 5/4) loamy sand; single grain; very friable; a few roots; 10 percent gravel; very strongly acid; clear, wavy boundary.

IIC—27 to 58 inches, yellowish-brown (10YR 5/6) gravelly coarse sand; single grain; loose; a few very fine roots; 30 percent rounded pebbles 1 inch and less in diameter; very strongly acid.

The solum in uneroded profiles ranges from 20 to 36 inches in thickness and corresponds with the depth to underlying coarse sand and gravel. The content of gravel or boulders in the solum ranges from about 2 to 20 percent, by volume. The content of gravel and cobblestones in the substratum ranges from 10 to 40 percent, by volume. Reaction ranges from strongly acid to very strongly acid.

The A1 and Ap horizons range from very dark grayish brown (10YR 3/2) to brown or dark brown (7.5YR 4/2). In undulating areas a thin, light-colored, weak A2 horizon is present below the A1 horizon in some profiles. Texture in the A horizon ranges from sand to loamy sand and gravelly loamy sand. It is massive or the structure is weak or very weak granular. Consistence is very friable or loose. The Ap horizon, if present, ranges from 8 to 12 inches in thickness.

The B horizon ranges from dark yellowish brown (10YR 4/4) to strong brown (7.5YR 5/6). Texture ranges from sand to loamy sand and loamy fine sand, and in some places, it is gravelly. It is single grain or has very weak, subangular, blocky structure; the latter is in profiles that have higher proportions of fine and very fine sand. Consistence ranges from friable to loose. In places a coarse sand or loamy coarse sand B3 horizon is present and ranges from 4 to 7 inches in thickness.

The C horizon ranges from yellowish brown (10YR 5/6) to light yellowish brown (2.5Y 6/4). Texture is mainly gravelly coarse sand or coarse sand, but in some areas silt loam layers are below a depth of 40 inches to a depth of 5 to 8 feet. Pebbles in the C horizon generally range from ½ inch to 3 inches in diameter, but a few cobblestones are present in some profiles.

Plymouth soils are near Carver, Deerfield, Haven, Riverhead, Wareham, and Montauk loamy sand, sandy variant soils. Plymouth soils are similar to these soils. Plymouth soils are mapped as an undifferentiated unit with Carver soils. They are similar to Carver soils in texture, but Plymouth soils lack the leached A2 horizon and the B21 horizon, made up of iron and humus accumulation, of Carver soils. Plymouth soils contain more sand in the solum than the Riverhead and Haven soils, and they lack the seasonal high water table that is characteristic of Deerfield and Wareham soils. Plymouth soils lack the fragipan and till substratum of Montauk, sandy variant soils.

Plymouth loamy sand, 0 to 3 percent slopes (PlA).—This soil has the profile described as representative of the series. It is mainly on outwash plains south of the Ronkonkoma moraine. It is also on flat hilltops and in drainageways on morainic deposits. The areas generally are nearly level, but they are somewhat undulating in some places. Areas on outwash plains are large and uniform, and areas on the moraine are small and irregular.

Included with this soil in mapping are small areas of Riverhead soils that have a texture that is marginal to loamy sand. Also included are some loamy sands that have a profile similar in appearance to the soils of the Carver series. On moraines, scattered areas of Montauk sandy variant soils that have a weak fragipan and loose underlying till layers are included. These areas intergrade between Plymouth loamy sands and Montauk loamy sand, sandy variants. In the larger areas of this unit, small acreages of Carver and Plymouth sands are included. Scattered throughout the county and on Fishers Island are areas that are dominantly fine sand.

The hazard of erosion is slight on this Plymouth soil. This soil is fairly well suited to crops commonly grown in the county. Many areas were formerly cleared for farming, but most of these areas are idle or are in brush or trees. Small areas that are in large tracts with Riverhead or Haven soils are the only areas used for farming. In the western part of the county, most of this soil is used for housing developments and as industrial sites. Capability unit IIIs–1; woodland suitability group 4s1.

Plymouth loamy sand, 3 to 8 percent slopes (PlB).—This soil is on moraines and outwash plains. Slopes are undulating, or they are single along the sides of intermittent drainageways. The undulating areas generally are large. The areas along intermittent drainageways are narrow and long, and they follow the course of the drainage channel.

Included with this soil in mapping are small areas of Riverhead soils that are marginal to loamy sand in texture. Also included are loamy sands that have profiles similar to those of soils in the Carver series. Other inclusions on moraines are Montauk loamy sand, sandy variant soils that have a weak fragipan or areas that are too small to map separately. These are intergrades between Plymouth loamy sand and Montauk loamy sand, sandy variant soils. Small gravelly areas less than about 2 acres in size are included. Included are a few small areas, particularly on Fishers Island, that are dominantly fine sand.

The hazard of erosion is slight on this Plymouth soil. This soil tends to be droughty.

This soil is fairly well suited to the crops commonly grown in the county. Some areas were formerly used for farming, but most such areas are in brush or are idle. In the western part of the county, this soil is used mainly for housing developments. Capability unit IIIs–1; woodland suitability group 4s1.

Plymouth loamy sand, 8 to 15 percent slopes (PlC).—This moderately sloping soil is on moraines and outwash plains. Where it occurs on moraines, slopes are rolling in many places, and the surface is broken by closed depressions. On outwash plains this soil is on the short side slopes along intermittent drainageways. Areas on

Reference 21

Georgica Pond Water Management Issues Report.

GEORGICA POND WATER MANAGEMENT ISSUES

(ABSTRACT)

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Submitted to the Conference on Geology of Long Island and Metropolitan New York, April 23, 1994 at SUNY Stony Brook.

BACKGROUND

Numerous coastal ponds on Eastern Long Island go through a traditional "letting" in the spring and fall. The letting discharges freshwater from the pond to bay or ocean. This lowers the pond stage and the surrounding water table and allows an influx of saltwater and anadromous species. This letting is assisted by man by breaching the barrier beach between the pond and ocean or bay. Examples of some of these ponds include:

- Oyster Pond in Montauk,
- Georgica Pond in East Hampton,
- Sag Pond and
- Mecox Bay in Southampton.

Examples of ponds no longer let include Wainscott Pond which was sealed during the 1938 Hurricane and Hook Pond in East Hampton and a series of ponds in Southampton Village which were stabilized by allowing dune formation and constructing one way overflow pipes to the sea. These stabilized ponds are fresh and no longer support a euryhaline ecology. They are also undergoing eutrophication due to an influx of fertilizers and accumulation of organic material.

Letting has traditionally occurred for hundreds of years and reportedly was initiated by local Indian tribes. With the encroachment of suburbanization surrounding these ponds starting in the 1960s and 1970s, this tradition has come under intense criticism because of the unpredictable water levels, flooding of primarily second homes, and more recently potential shorebird nesting impacts.

In response to flooding complaints at Georgica Pond in 1989 and 1990, these issues were examined relative to the pond's very dynamic hydrology and several management options were evaluated. While the analysis was specific to Georgica Pond, the concepts can be applied to other coastal ponds on Long Island and those similar in Rhode Island.

MANAGING GEORGICA POND

It has been recorded that on December 9, 1686, Governor William Dongan, representing King James II, transferred the ownership of Georgica Pond to the Trustees of the Freeholders and Commonalty of East Hampton. Today nine citizens, elected by the voters of East Hampton, make up the East Hampton Town Trustees. They are entrusted with the conservation of the Pond. As a result of community complaints, the Trustees established the Georgica Pond Advisory Committee. This study was voluntarily prepared to assist this committee make recommendations to resolve the conflicts. Although not formally recorded, the objectives of the Trustees in conserving the pond can be interpreted as:

Maintain a viable fishery, maintain ecological diversity, provide for recreational activities and pond access, and balance property flooding with environmental requirements.

Georgica Pond located on the south shore between East Hampton Village and Wainscott was formed as a glacial outwash channel formed some distance from the Ronkonkoma moraine. It is likely that it was not formed by streams discharging from the moraine but rather by the gradual accumulation of waters from various sources. The surface water watershed for the Pond is approximately 4750 acres in size and can be divided into four distinct subcatchments, only one, the East Hampton Village, is suburbanized with approximately 18% of the subcatchment hydraulically connected to the Pond by the Cove Hollow drainage pipe. The other subcatchments have approximately 5% hydraulically connected area. The groundwater watershed is approximately 6680 acres is size. The surface area of the Pond is approximately 290 acres. The Pond is relatively shallow with a maximum depth of approximately 6 feet deep. A one day pond opening reduced water

table elevations up to 4000 feet from the edge of the Pond. Longer Pond openings likely decrease the water table elevations at a greater distance. Depending on duration since last letting and distance from breaching, salinities vary from 2 to 19 parts per thousand (Valenti et al, 1976). Dissolved oxygen concentrations remain near saturation. Without repeated openings, concern exists for increasing concentrations of N and P and fecal coliform. If not naturally opened, the Trustees regularly open the Pond in March and October of every year. Man-induced openings at other times have been discouraged as they are perceived to conflict with the Trustees management objectives.

Observed flooding impacts include damage to ornamental trees and shrubs, basement flooding, and failure of onsite septic systems. An emergency letting was performed in July 1989 after intense pressure from residential complaints. The number of homes impacted increases at an increasing rate as the pond overtops its banks and the pond stage increases linearly. Even though pond letting is an overall benefit to the preferred ecology of the pond, its regularity has dampened flooding magnitude and frequency. As a result, it has indirectly encouraged development near the pond.

SPREADSHEET MODEL

A spreadsheet simulator or model of the Pond's hydrology was developed to assist in objectively understanding the cause of problems, assist in evaluating the scant data collected and observations made by the public, identify additional data needs, and test alternative or supplementary management techniques. While it was possible to develop a very large surface-groundwater model that could give much improved temporal and spatial information, it appeared to be more beneficial to use a spreadsheet analysis approach to conform to the local problem. The basic idea was to focus the effort on those components of the hydrologic cycle that are most important for this area and problem. Lastly, the sophistication of the modeling should depend on the available data, in this case little were available. The value and versatility of spreadsheet modeling for water resource analysis and management was advanced by Hancock and Heaney (1987).

The simulator accounted for and related the following parameters under transient conditions (daily time steps):

- surface water runoff,
- surface water evaporation,
- non-linear stage, volume and surface water area relationships,
- groundwater seepage into the pond,
- groundwater table elevations in the surrounding Upper Glacial aquifer,
- groundwater seepage from the pond through the barrier beach,
- surface water discharge to ocean under riverine dominated conditions during early stages of letting, and
- various alternative discharge mechanisms (i.e. pumps, pipes, variable beach width).

The model was calibrated to 1989 water level data (March through August) which included two pond lettings and 1990 water level data February through April) which included one letting of the pond. The following concerns and phenomena were evaluated via the spreadsheet model.

THE POND'S EQUILIBRIUM POSITION.

It was believed that once the Pond reached a certain stage elevation (approximately 6 feet above mean sea level), inflow via groundwater and runoff would equal the outflow via seepage through the barrier beach or a natural beach breaching would correct the problem. This idea was presented by the Georgica Pond Watch Committee with the support of 1985 water level data (Petrie, 1985). As a result of this equilibrium, little to no additional flooding would occur. The flooding observed during the "inter-letting" periods of 1989 and 1990 reached greater than 7 ft MSL resulting in a significant number of residential impacts. Some Trustees and residents attributed this to not only the abnormally wet weather but shoaling in the pond near the barrier beach (the result of washover, aeolian drift, and coastal sediment trapping when the pond was open to the ocean). They speculated this caused a significant reduction of seepage from the pond to the ocean, disrupting the equilibrium position

The Pond model was able to replicate the equilibrium position observed in 1985. A comparison of long term average annual rainfall for Bridgehampton (45 inches per Nemickas and Koszalka, 1982) with that observed in 1985 (38.85 inches) indicated that 1985 was below normal. A near equilibrium position was illustrated; however, it represented a "dry year" position. The model also indicated that during wet years this equilibrium position would be significantly higher regardless of the barrier beach height and width. Clearly, if the pond was not let in July 1989 on an emergency basis, a higher than usual "equilibrium position" would have been reached causing additional property flooding.

DREDGING AND ITS IMPACT ON POND LEVEL.

Dredging the shoal in the Pond was considered as a means to increase seepage out of the Pond hence reducing flood levels. The model indicates that seepage through the beach accounts for a relatively small percentage of outflow from the pond on an annual basis. This is consistent with calculations by Leatherman (1989). Dredging will increase seepage; however, probably not enough to have a significant effect in relieving flood levels. Evaporation from the pond exceeds seepage through the barrier beach, even after dredging. In addition, the effects of dredging would be temporary and cyclic as the pond reshoals and is redredged in years to come. Dredging is important to maintain the ability of the Trustees to let the Pond. Without letting, significant water quality degradation would occur.

FREQUENCY AND DURATION AND OPENING.

The duration of the letting is unpredictable ranging from one day to months, but generally lasts several weeks. The pond is allowed to close naturally by the littoral drift of sediments on the ocean beach front. Theoretically it is possible to design a channel opening that will allow sufficient tidal prism through the inlet prolonging the duration of the opening. Practically speaking, it is completely dependent on the weather.

During wet periods like 1989-1990, a short opening period is sufficient to relieve immediate flood levels in the pond; however, it is insufficient to lower groundwater water levels in the area to avoid a rapid rebound in this stage. This was observed after the Spring 1989 letting. The model indicates that more planning may be necessary to select the best duration of the pond opening. This would ensure a duration sufficient for fish passage and allow proper freshwater discharge from the pond and aquifer to avoid immediate flood rebound and on the contrary, too low a level not suitable for aesthetics and sailing. The model is able to estimate proper duration based on the rainfall, stage and antecedent water table elevations. Proper discharge may require repeated openings or early closure by man.

STABILIZATION

The most reliable way to stabilize pond levels to avoid flooding is by constructing an overflow pipe and or pump station. Designed properly, such a system could prevent flood levels from reaching a specified level. During wet years, the system would discharge to the ocean for several weeks without a pond letting; therefore, avoiding a flood situation. During average and dry years, the pipe would not discharge. Normal pond lettings would still occur in the spring and the fall. The spreadsheet model indicated that a 36-inch diameter flap gate pipe with an approximate capacity of 3000 gpm (4.3 MGD) would be suitable.

DISCUSSION

Cost-benefit procedures commonly used by the U.S. Army Corps of Engineers to justify water control projects in the 1960's and 1970's would clearly identify stabilization as the preferred alternative to mitigate flood impacts. However, these procedures generally do not adequately address environmental factors. Contemporary water management recognizes environmental factors and the significance of intrinsic or existence values of endangered species or traditional ways of life in the decision making process.

Stabilization will damper the hydroperiod of adjacent freshwater wetlands and not restore salinities that are reduced by the large influx and storage of freshwater. More frequent lettings in the late spring and summer have been discouraged by the baymen because it releases a juvenile fishery to the ocean and by residents because it impacts the summer sailing season. Environmental windows established by the NYSDEC and Nature Conservancy to protect shorebird nesting may also discourage spring and summer lettings. Hence, future emergency spring-summer lettings may not be feasible.

Plans to mitigate future wet weather pond levels have not been formalized by the Trustees. Based on this analysis, the best course of action is to improve planning of the duration of the letting, not only to coincide with migration of anadromous species, but to discharge a specified quantity of freshwater. Using water table elevation data from the Pond's groundwater watershed and the spreadsheet model developed, reasonable estimates of proper duration are possible.

ACKNOWLEDGMENTS

I wish to thank Mr. James McCaffery of the East Hampton Town Trustees, Mr. Donald Petrie a Wainscott resident and Pond Watcher, and Mr. Larry Penny, Director of Natural Resources for the Town of East Hampton, for their assistance in obtaining the data and reports needed to complete this analysis. Their insight proved to be valuable and accurate.

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Reference 22

U.S. Fish and Wildlife Service Generated Map and Wetland Data.

Wetland Data Provided by the U.S. Fish and Wildlife Service's National Wetland Inventory

☐ E1UB [E] Estuarine, [1] Subtidal, [UB] Unconsolidated Bottom
☐ E2EM [E] Estuarine, [2] Intertidal, [EM] Emergent
☐ E2FL [E] Estuarine, [2] Intertidal, [FL] Flat (obs)
☐ L1UB [L] Lacustrine, [1] Limnetic, [UB] Unconsolidated Bottom
☐ L2EM [L] Lacustrine, [2] Littoral, [EM] Emergent
☐ M1UB [M] Marine, [1] Subtidal, [UB] Unconsolidated Bottom
☐ M2BB [M] Marine, [2] Intertidal, [BB] Beach/Bar (obs)
☐ PEM [P] Palustrine, [EM] Emergent
■ PFL [P] Palustrine, [FL] Flat (obs)
☐ PFO [P] Palustrine, [FO] Forested
☐ PSS [P] Palustrine, [SS] Scrub-Shrub
☐ PUB [P] Palustrine, [UB] Unconsolidated Bottom
☐ Upland [U] Upland

Close Window

Wetland Data Provided by the U.S. Fish and Wildlife Service National Wetland Inventory

(Calculations for wetlands within map extent 726277, 4533979, 735955, 4540346, UTM Zone 18)

E1UBL	135 acres
E2EM1P	2 acres
E2EM5P	1 acre
L1UBH	53 acres
L2EMF	38 acres
M2BBP	79 acres
PEM1E	5 acres
PEM5E	< 1 acre
PEMF	2 acres
PFLAx	1 acre
PFO1/SS1E	6 acres
PFO1/SS3B	4 acres
PFO1A	26 acres
PFO1E	96 acres
PSS1/EM1E	3 acres
PSS1B	1 acre
PSS1E	4 acres
PSS3/1Ba	1 acre
PSS3/EM5E	2 acres
PSS3Ba	3 acres
PUBF	3 acres
PUBFx	1 acre
PUBHh	< 1 acre
PUBHx	10 acres
PUBZ	10 acres
PUBZx	14 acres
Total Wetlands Area	499 acres

Close Window