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(716) 263-1368

January 8, 1992

Bruce Finster
Department of Environmental
Conservation
Region 8
6274 East Avon-Lima Road
Avon, New York 14414

Re: Alliance Precision Plastics
Gates, New York

Dear Bruce:

As we discussed yesterday, Gleason Corporation had a baseline investigation performed at the above-referenced site in the context of a transaction whereby the property will be leased. Low levels of contaminants were identified at the site. Enclosed are the following documents:

- soil and groundwater analytical data; and
- site plans showing sampling locations.

I will forward well boring logs upon receipt. Please call if you have any questions.

Very truly yours,

Nancy T. Holtby

Enlosures

cc: Ralph Harper (w/o encl.)
Lori Green (w/o encl.)

NTH:bah

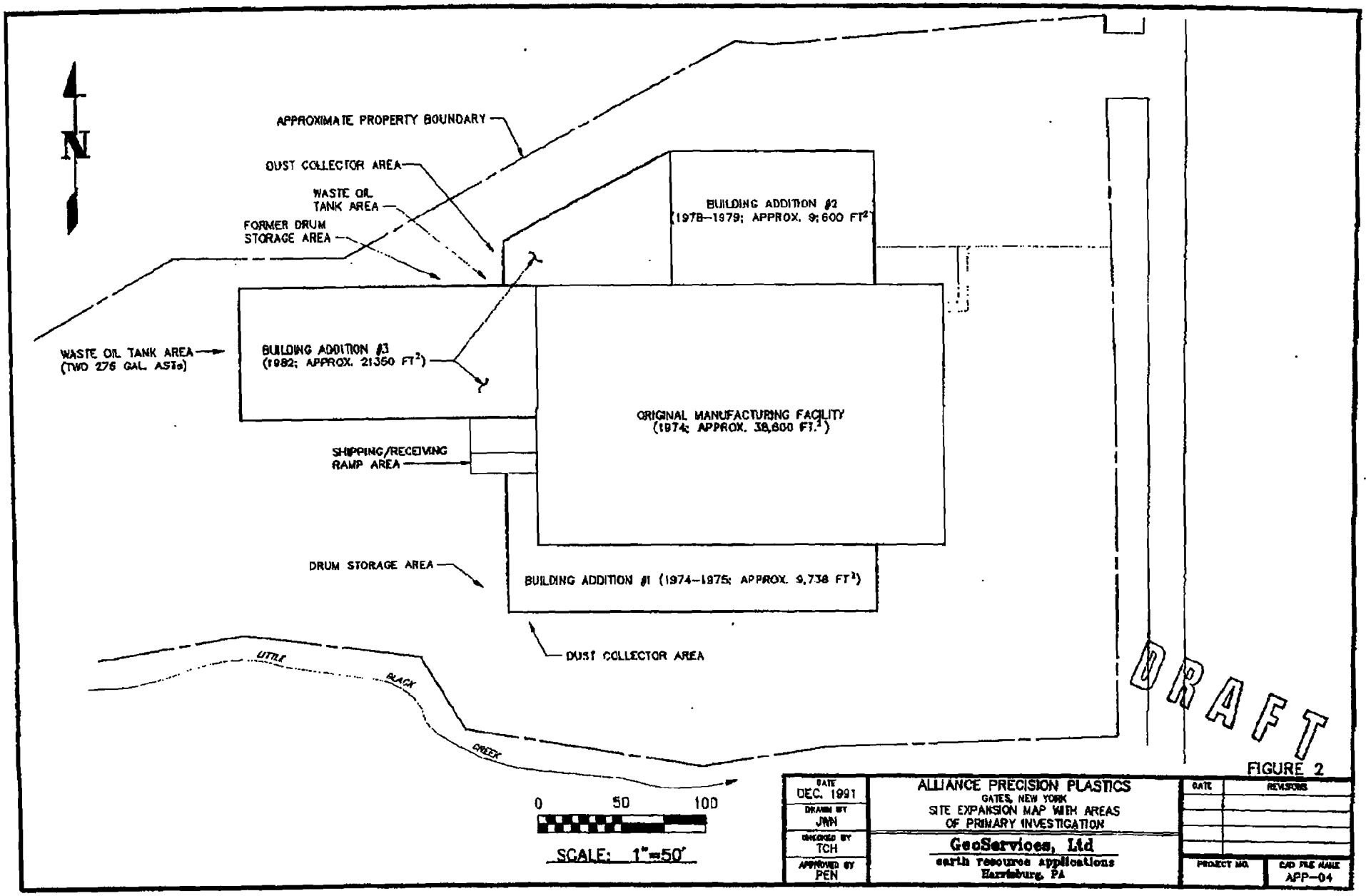

FIGURE 2

DATE: DEC. 1991	ALLIANCE PRECISION PLASTICS GATES, NEW YORK SITE EXPANSION MAP WITH AREAS OF PRIMARY INVESTIGATION	DATE / REVISIONS
DRAWN BY: JWH		
CHECKED BY: TCH	GeoServices, Ltd earth resource applications Harrisburg, PA	
APPROVED BY: PEN		PROJECT NO. / CAD FILE NAME: APP-04

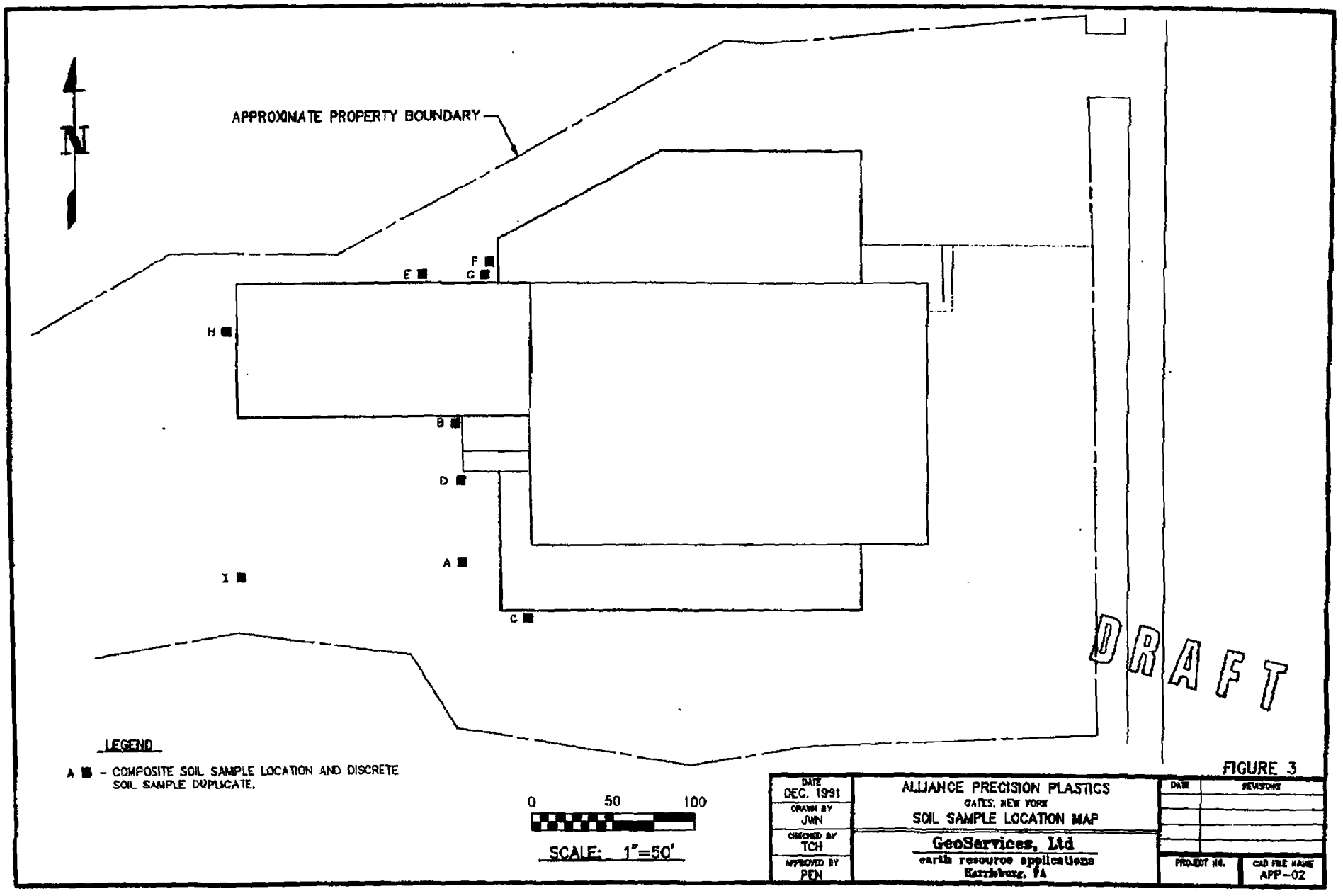
N
APPROXIMATE PROPERTY BOUNDARY
F
E
G
H
B
D
A
I
C
DRAFT
LEGEND
A ■ - COMPOSITE SOIL SAMPLE LOCATION AND DISCRETE SOIL SAMPLE DUPLICATE.
0 50 100
SCALE: 1"=50'
DATE DEC. 1991
DRAWN BY JWN
CHECKED BY TCH
APPROVED BY PEN
ALLIANCE PRECISION PLASTICS
GATES, NEW YORK
SOIL SAMPLE LOCATION MAP
GeoServices, Ltd
earth resource applications
Harrisburg, PA
DATE
REVISIONS
PROJECT NO.
CAD FILE NAME APP-02

FIGURE 3

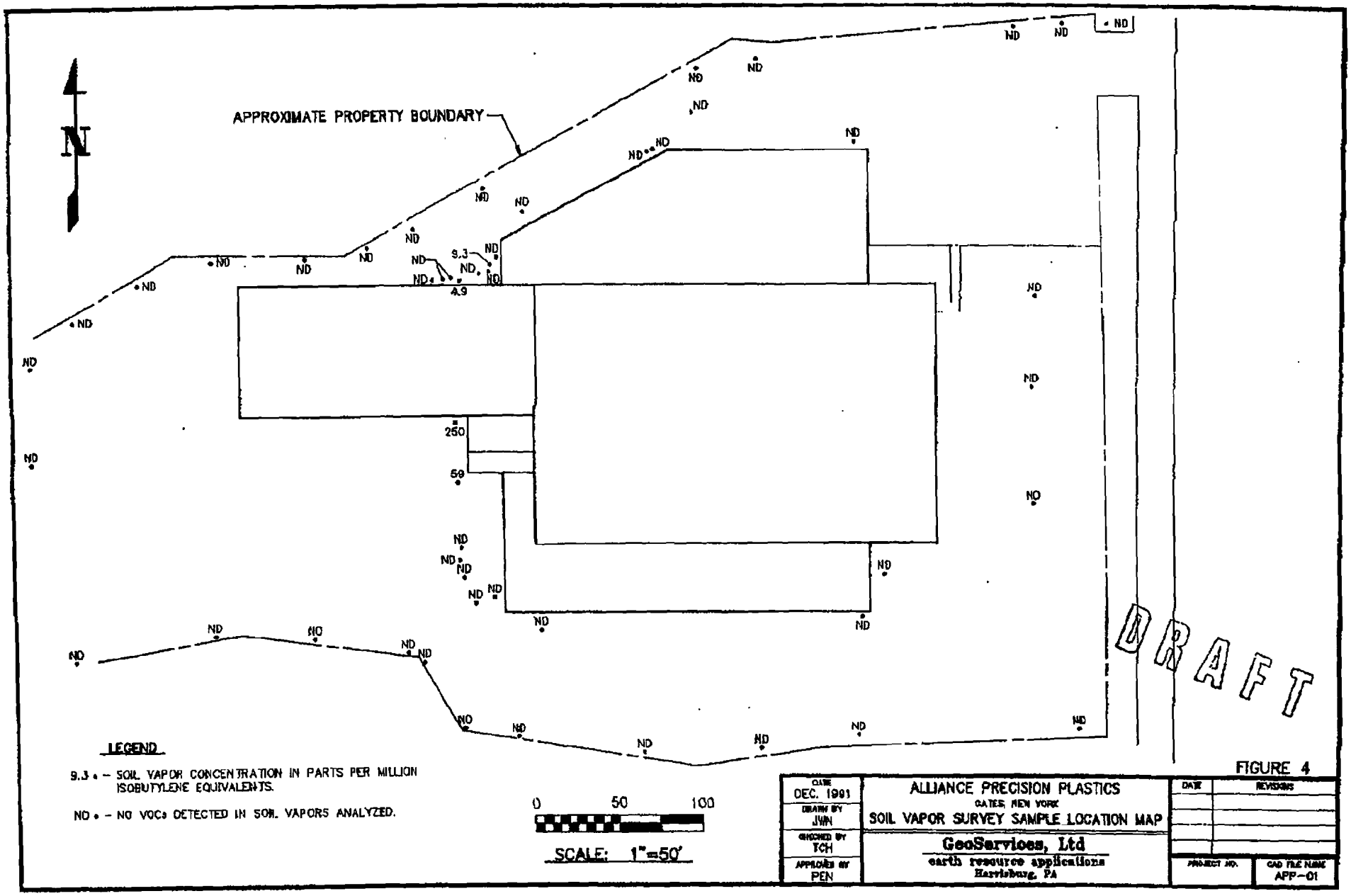
N
APPROXIMATE PROPERTY BOUNDARY
ND
9.3
4.9
250
59
DRAFT
LEGEND
9.3 • – SOIL VAPOR CONCENTRATION IN PARTS PER MILLION ISOBUTYLENE EQUIVALENTS.
ND • – NO VOCs DETECTED IN SOIL VAPORS ANALYZED.
0 50 100
SCALE: 1"=50'
DATE DEC. 1991
DRAWN BY JWN
CHECKED BY TCH
APPROVED BY PEN
ALLIANCE PRECISION PLASTICS
OATES, NEW YORK
SOIL VAPOR SURVEY SAMPLE LOCATION MAP
GeoServices, Ltd
earth resource applications
Harrisburg, PA
DATE
REVISIONS
PROJECT NO.
CAD FILE NAME APP-01

FIGURE 4

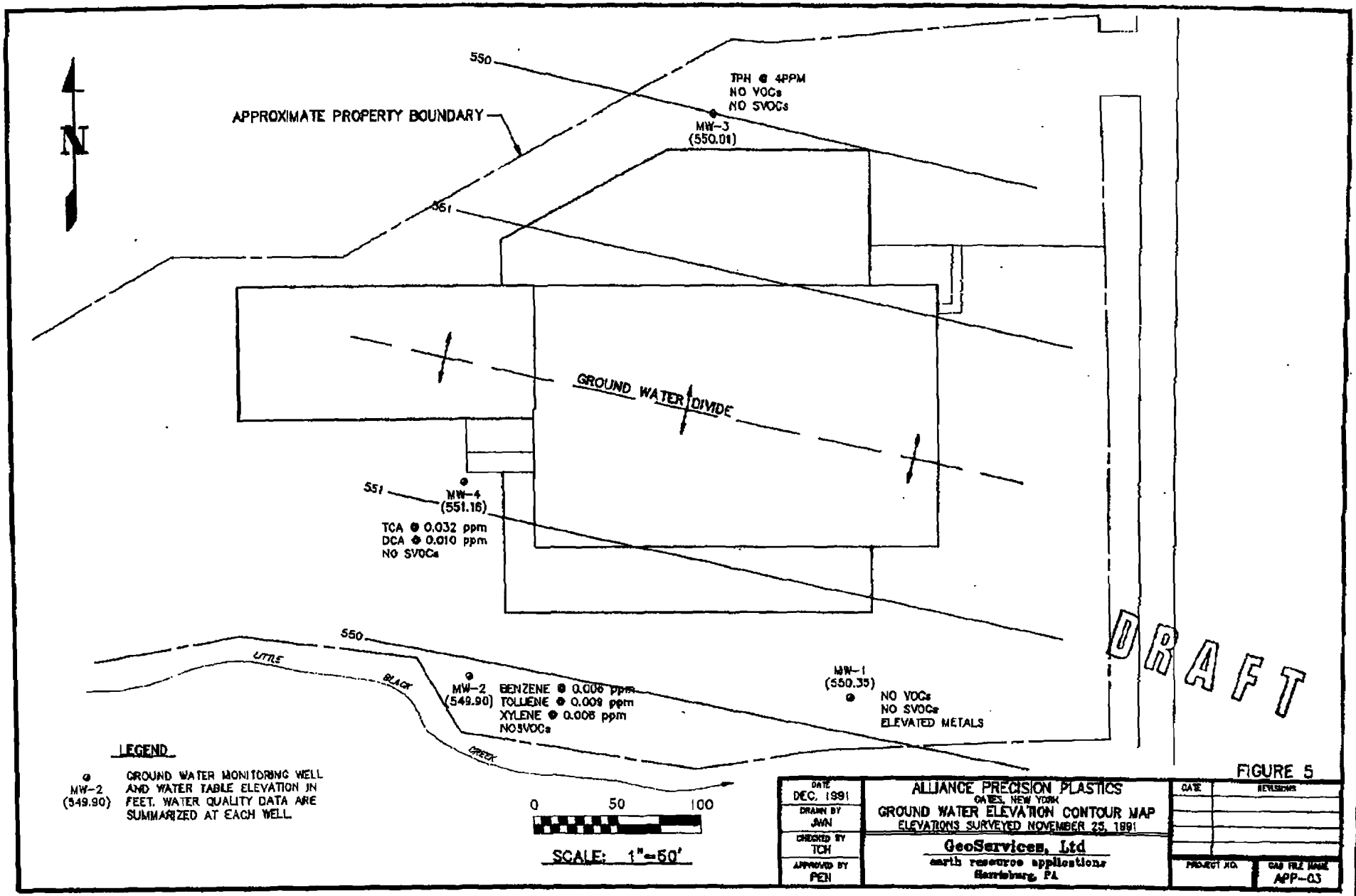
N
APPROXIMATE PROPERTY BOUNDARY
550
TPH @ 4PPM
NO VOCs
NO SVOCs
MW-3
(550.01)
551
GROUND WATER DIVIDE
551
MW-4
(551.16)
TCA @ 0.032 ppm
DCA @ 0.010 ppm
NO SVOCs
550
LITTLE
BLACK
CREEK
MW-2
(549.90)
BENZENE @ 0.006 ppm
TOLUENE @ 0.009 ppm
XYLENE @ 0.006 ppm
NO SVOCs
MW-1
(550.35)
NO VOCs
NO SVOCs
ELEVATED METALS
DRAFT
LEGEND
MW-2
(549.90)
GROUND WATER MONITORING WELL AND WATER TABLE ELEVATION IN FEET. WATER QUALITY DATA ARE SUMMARIZED AT EACH WELL.
0
50
100
SCALE: 1"=50'
DATE
DEC. 1991
DRAWN BY
JWN
CHECKED BY
TCH
APPROVED BY
PEN
ALLIANCE PRECISION PLASTICS
GATES, NEW YORK
GROUND WATER ELEVATION CONTOUR MAP
ELEVATIONS SURVEYED NOVEMBER 25, 1991
GeoServices, Ltd
earth resource applications
Harrisburg, PA
DATE
REVISIONS
PROJECT NO.
CAD FILE NAME
APP-03

FIGURE 5

Soil Sampling Protocol

At all sample locations, composite samples were collected by taking a composite from three to five sample borings. A discrete sample split was collected from the sample boring which was found to have an elevated soil vapor reading, obvious soil staining/discoloration, or evidence of surface staining. Given the relatively low soil vapor concentrations detected with the photoionization detector, discrete sample locations were determined largely on the basis of surface staining where applicable.

Excepting soil sample SS-1, all samples were collected beneath the macadam surface surrounding the plant. Due to the relatively flat surface elevation at the facility, surface runoff direction was not always apparent and in many cases runoff may have been minimal. Weathering of the macadam was expected to facilitate infiltration of surface run-off in some areas of drum storage. To sample soils, macadam was removed by either hand drilling with a hammer drill or by using a truck mounted auger to drill through the macadam to a depth of approximately 12-inches. The holes were extended to the sampling depth, typically 18- 24-inches, with a stainless steel bucket auger and the auger was used for sample recovery. The stainless steel auger was washed in water, followed by an alconox wash and water rinse. When available, a steam cleaner was used to decontaminate the auger. In both cases, the auger was allowed to air dry before being reused. The auger was decontaminated prior to use at each sample location. Soils from each of the sample borings were composited into the sample jar while soils for a split sample were segregated into a separate sample jar. All sample containers were provided by the laboratory, and were clean.

Dedicated latex sampling gloves and sterile, laboratory supplied, sample jars were used in the collection of each sample. All samples were properly labeled, stored on ice upon collection, and delivered to the laboratory or one of its representatives within 48 hours of the sampling event.

HUNTINGDON ANALYTICAL SERVICES
ELAP #10833
ENVIRONMENTAL REPORT

REPORT NUMBER 91-1874, 1875, 1885

STATEMENT OF WORK PERFORMED

I HEREBY DECLARE THAT THE WORK WAS PERFORMED UNDER MY SUPERVISION ACCORDING TO THE PROCEDURES OUTLINED BY THE FOLLOWING REFERENCES AND THAT THIS REPORT PROVIDES A CORRECT AND FAITHFUL RECORD OF THE RESULTS OBTAINED.

- 40 CFR PART 136, "GUIDELINES ESTABLISHING TEST PROCEDURES FOR THE ANALYSIS OF POLLUTANTS UNDER THE CLEAN WATER ACT", OCTOBER 26, 1984 (FEDERAL REGISTER) U. S. ENVIRONMENTAL PROTECTION AGENCY.

- U.S. ENVIRONMENTAL PROTECTION AGENCY, "TEST METHODS OF EVALUATING SOLID WASTE - PHYSICAL/CHEMICAL METHODS, " OFFICE OF SOLID WASTE AND EMERGENCY RESPONSE, SW-846, 2ND EDITION AND 3RD EDITION.

- NEW YORK STATE DEPARTMENT OF HEALTH, ANALYTICAL TOXICOLOGY LABORATORY HANDBOOK, AUGUST 1982.

RICHARD J. RONAN, PH.D.
LABORATORY DIRECTOR, ENVIRONMENTAL

REPORT CODE LEGEND:

< DL	= LESS THAN DETECTION LIMIT
ND	= NOT DETECTED
NA	= NOT APPLICABLE
INP	= INFORMATION NOT PROVIDED
MB	= METHOD BLANK

HAS

HUNTINGDON ANALYTICAL SERVICES
Division of **EMPIRE SOILS INVESTIGATIONS INC.**
PO Box 250 Middleport New York 14105
Tel: (716) 735-3400 FAX (716) 735-3653

December 5, 1991

DEC.

Mr. Paul Nachlas
Geoservices, Ltd.
1240 North Mountain Road
Harrisburg, PA 17112

Dear Mr. Nachlas:

PHTHALATE CONTAMINATION ON HAS JOBS 91-1875 AND 91-1885 SOILS

Below is a summary of our telephone conversation from December 2, 1991. This is in regards to HAS sample numbers 91-1875 and 91-1885. These soil samples were contaminated by a phthalate. This contamination problem was investigated and the source of the contamination was found to be phthalate contaminated filter papers used during the extraction procedure.

The contaminating compounds that were found were Di-N-Butylphthalate and Butyl Benzyl Phthalate. In Job 1875, Di-N-Butylphthalate was the only contaminate found. In Job 1885, both Di-N-Butylphthalate and Butyl Benzyl Phthalate were found. In both jobs, the contaminating phthalates were found in all samples and the blank. However, due to the large variance in the amounts of Di-N-Butylphthalate and Butyl Benzyl Phthalate, the amounts of Di-N-Butylphthalate and Butyl Benzyl Phthalate cannot be obtained by blank subtraction and may be considered laboratory contamination. However, it is probable that in samples 1875-003 and 1885-003,004 there is a laboratory contamination combined with detectable amounts of soil contamination.

Bis(2-Ethyl Hexyl) Phthalate was not found in either blank and was not found in the contaminated filters. Therefore, the soil samples that contained Bis(2-Ethyl Hexyl) Phthalate do contain true Bis(2-Ethyl Hexyl) Phthalate and do not represent laboratory contamination.

If you have any further questions regarding this matter, please feel free to contact myself or Bryan Mastin.

Sincerely,

Todd M. Covel
GC/MS Chemist

TMC/srk

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

METHOD 8240
VOLATILE ORGANICS

SAMPLE IDENTIFICATION :	SS-A DISCRETE	SS-A COMPOSITE	SS-B DISCRETE	SS-B COMPOSITE	SS-D DISCRETE	METHOD BLANK	METHOD BLANK	
HAS SAMPLE #91-1875	001	002	003	004	007	---	---	
COMPOUND	RESULT ug/Kg	RESULT ug/Kg	RESULT ug/Kg	RESULT ug/Kg	RESULT ug/Kg	RESULT ug/Kg	RESULT ug/Kg	MDL ug/Kg
CHLOROMETHANE	<10	<10	<10	<10	<10	<10	<10	<10
BROMOMETHANE	<10	<10	<10	<10	<10	<10	<10	<10
VINYL CHLORIDE	<10	<10	<10	<10	<10	<10	<10	<10
CHLOROETHANE	<10	<10	<10	<10	<10	<10	<10	<10
METHYLENE CHLORIDE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
ACETONE	110	88	<10	<10	27	<10	<10	<10
TRICHLOROFLUOROMETHANE	<10	<10	<10	<10	<10	<10	<10	<10
CARBON DISULFIDE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-DICHLOROETHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-DICHLOROETHANE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-DICHLOROETHENE (TOTAL)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
CHLOROFORM	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-DICHLOROETHANE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2-BUTANONE	22	12	<10	<10	<10	<10	<10	<10
1,1,1-TRICHLOROETHANE	<5.0	<5.0	130	450	<5.0	<5.0	<5.0	<5.0
CARBON TETRACHLORIDE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
VINYL ACETATE	<10	<10	<10	<10	<10	<10	<10	<10
BROMODICHLOROMETHANE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-DICHLOROPROPANE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
cis-1,3-DICHLOROPROPENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
TRICHLOROETHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
DIBROMOCHLOROMETHANE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2-TRICHLOROETHANE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,3-DICHLOROPROPENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2-CHLOROETHYLVINYL ETHER	<20	<20	<20	<20	<20	<20	<20	<20
BROMOFORM	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
4-METHYL-2-PENTANONE	<10	<10	<10	<10	<10	<10	<10	<10
2-HEXANONE	<10	<10	<10	<10	<10	<10	<10	<10
TETRACHLOROETHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2,2-TETRACHLOROETHANE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
TOLUENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
CHLOROBENZENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
ETHYL BENZENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
STYRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
XYLENE (TOTAL)	<5.0	<5.0	16	21	<5.0	<5.0	<5.0	<5.0
1,3-DICHLOROBENZENE	<10	<10	<10	<10	<10	<10	<10	<10
1,2-DICHLOROBENZENE	<10	<10	<10	<10	<10	<10	<10	<10
1,4-DICHLOROBENZENE	<10	<10	<10	<10	<10	<10	<10	<10
SURROGATES	%REC	%REC	%REC	%REC	%REC	%REC	%REC	
1,2-DICHLOROETHANE d4	97	94	94	94	96	96	93	
BROMOFLUOROBENZENE	91	90	104	121	95	100	97	
TOLUENE d8	104	105	103	104	102	97	96	
DATE SAMPLED:	11-19-91	11-19-91	11-19-91	11-19-91	11-20-91	---	---	
DATE RECEIVED:	11-20-91	11-20-91	11-20-91	11-20-91	11-20-91	---	---	
DATE ANALYZED:	11-23-91	11-23-91	11-22-91	11-22-91	11-23-91	11-22-91	11-23-91	

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

QUALITY CONTROL
METHOD 8240

SAMPLE IDENTIFICATION: SS-A DISCRETE

HAS SAMPLE #91-1875-001

DATE ANALYZED: 11-23-91

COMPOUND	CONC. OF SPIKE (ug/Kg)	SAMPLE RESULT	CONC. MS	% REC.
1,1-DICHLOROETHENE	50	0	56	112
TRICHLOROETHENE	50	0	48	96
BENZENE	50	0	56	112
TOLUENE	50	0	55	110
CHLOROBENZENE	50	0	49	98

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

METHOD 8240
VOLATILE ORGANICS

SAMPLE IDENTIFICATION :	SS-E COMPOSITE	SS-E DISCRETE	SS-G DISCRETE	SS-I DISCRETE	SS-I COMPOSITE	METHOD BLANK	
HAS SAMPLE #91-1885	003	004	008	011	012	---	
COMPOUND	RESULT ug/Kg	RESULT ug/Kg	RESULT ug/Kg	RESULT ug/Kg	RESULT ug/Kg	RESULT ug/Kg	MDL ug/Kg
CHLOROMETHANE	<10	<10	<10	<10	<10	<10	<10
BROMOMETHANE	<10	<10	<10	<10	<10	<10	<10
VINYL CHLORIDE	<10	<10	<10	<10	<10	<10	<10
CHLOROETHANE	<10	<10	<10	<10	<10	<10	<10
METHYLENE CHLORIDE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
ACETONE	<10	<10	<10	<10	<10	<10	<10
TRICHLOROFLUOROMETHANE	<10	<10	<10	<10	<10	<10	<10
CARBON DISULFIDE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-DICHLOROETHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-DICHLOROETHANE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-DICHLOROETHENE (TOTAL)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
CHLOROFORM	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-DICHLOROETHANE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2-BUTANONE	<10	<10	<10	<10	<10	<10	<10
1,1,1-TRICHLOROETHANE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
CARBON TETRACHLORIDE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
VINYL ACETATE	<10	<10	<10	<10	<10	<10	<10
BROMODICHLOROMETHANE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-DICHLOROPROPANE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
cis-1,3-DICHLOROPROPENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
TRICHLOROETHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
DIBROMOCHLOROMETHANE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2-TRICHLOROETHANE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,3-DICHLOROPROPENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2-CHLOROETHYLVINYL ETHER	<20	<20	<20	<20	<20	<20	<20
BROMOFORM	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
4-METHYL-2-PENTANONE	<10	<10	<10	<10	<10	<10	<10
2-HEXANONE	<10	<10	<10	<10	<10	<10	<10
TETRACHLOROETHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2,2-TETRACHLOROETHANE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
TOLUENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
CHLOROBENZENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
ETHYL BENZENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
STYRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
XYLENE (TOTAL)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,3-DICHLOROBENZENE	<10	<10	<10	<10	<10	<10	<10
1,2-DICHLOROBENZENE	<10	<10	<10	<10	<10	<10	<10
1,4-DICHLOROBENZENE	<10	<10	<10	<10	<10	<10	<10
SURROGATES	%REC	%REC	%REC	%REC	%REC	%REC	
1,2-DICHLOROETHANE d4	95	95	98	98	98	93	
BROMOFLUOROBENZENE	89	87	91	84	84	99	
TOLUENE d8	105	106	107	115	117	100	
DATE SAMPLED:	11-21-91	11-21-91	11-21-91	11-21-91	11-21-91	---	
DATE RECEIVED:	11-22-91	11-22-91	11-22-91	11-22-91	11-22-91	---	
DATE ANALYZED:	11-25-91	11-25-91	11-25-91	11-25-91	11-25-91	11-25-91	

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

QUALITY CONTROL
METHOD 8240

SAMPLE IDENTIFICATION: SS-E COMPOSITE

HAS SAMPLE #91-1885-003

DATE ANALYZED: 11-25-91

COMPOUND	CONC. OF SPIKE (ug/Kg)	SAMPLE RESULT	CONC. MS	% REC.
1,1-DICHLOROETHENE	50	0	43	86
TRICHLOROETHENE	50	0	42	84
BENZENE	50	0	50	100
TOLUENE	50	0	51	102
CHLOROBENZENE	50	0	49	98

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

METHOD 8270
SEMI-VOLATILE ORGANICS

SAMPLE IDENTIFICATION :	SS-A DISCRETE	SS-A COMPOSITE	SS-B DISCRETE	SS-B COMPOSITE	METHOD BLANK	
HAS SAMPLE #91-1875	001	002	003	004	-----	
BASE/NEUTRAL COMPOUNDS	RESULT ug/Kg	RESULT ug/Kg	RESULT ug/Kg	RESULT ug/Kg	RESULT ug/Kg	MDL ug/Kg
ACENAPHTHENE	<330	<330	<330	<330	<330	<330
ACENAPHTHYLENE	<330	<330	<330	<330	<330	<330
ANTHRACENE	<330	<330	<330	<330	<330	<330
BENZO(a)ANTHRACENE	<330	<330	<330	<330	<330	<330
BENZO(b)FLUORANTHENE	<330	<330	<330	<330	<330	<330
BENZOIC ACID	<1600	<1600	<1600	<1600	<1600	<1600
BENZO(k)FLUORANTHENE	<330	<330	<330	<330	<330	<330
BENZO(a)PYRENE	<330	<330	<330	<330	<330	<330
BENZO(g,h,i)PERYLENE	<330	<330	<330	<330	<330	<330
BENZYL ALCOHOL	<330	<330	<330	<330	<330	<330
BIS(2-CHLOROETHOXY)METHANE	<330	<330	<330	<330	<330	<330
BIS(2-CHLOROETHYL)ETHER	<330	<330	<330	<330	<330	<330
BIS(2-CHLOROISOPROPYL)ETHER	<330	<330	<330	<330	<330	<330
BIS(2-ETHYLHEXYL)PHTHALATE	<330	<330	520	<330	<330	<330
BUTYLBENZYL PHTHALATE	<330	<330	<330	<330	<330	<330
4-BROMOPHENYL-PHENYL ETHER	<330	<330	<330	<330	<330	<330
4-CHLOROANILINE	<330	<330	<330	<330	<330	<330
2-CHLORONAPHTHALENE	<330	<330	<330	<330	<330	<330
4-CHLOROPHENYL-PHENYL ETHER	<330	<330	<330	<330	<330	<330
CHRYSENE	<330	<330	<330	<330	<330	<330
DIBENZ(a,h)ANTHRACENE	<330	<330	<330	<330	<330	<330
DIBENZOFURAN	<330	<330	<330	<330	<330	<330
DI-N-BUTYLPHTHALATE	1,800	1,300	2,700	2,900	1,300	<330
1,2-DICHLOROBENZENE	<330	<330	<330	<330	<330	<330
1,3-DICHLOROBENZENE	<330	<330	<330	<330	<330	<330
1,4-DICHLOROBENZENE	<330	<330	<330	<330	<330	<330
3,3-DICHLOROBENZIDINE	<660	<660	<660	<660	<660	<660
DIETHYL PHTHALATE	<330	<330	<330	<330	<330	<330
DIMETHYL PHTHALATE	<330	<330	<330	<330	<330	<330
2,4-DINITROTOLUENE	<330	<330	<330	<330	<330	<330
2,6-DINITROTOLUENE	<330	<330	<330	<330	<330	<330
DI-N-OCTYL PHTHALATE	<330	<330	<330	<330	<330	<330
FLUORANTHENE	<330	<330	<330	<330	<330	<330
FLUORENE	<330	<330	<330	<330	<330	<330
HEXACHLOROBENZENE	<330	<330	<330	<330	<330	<330
HEXACHLOROBUTADIENE	<330	<330	<330	<330	<330	<330
HEXACHLOROCYCLOPENTADIENE	<330	<330	<330	<330	<330	<330
HEXACHLOROETHANE	<330	<330	<330	<330	<330	<330
INDENO(1,2,3-cd)PYRENE	<330	<330	<330	<330	<330	<330
ISOPHORONE	<330	<330	<330	<330	<330	<330

METHOD 8270
SEMI-VOLATILE ORGANICS

SAMPLE IDENTIFICATION :	SS-A DISCRETE	SS-A COMPOSITE	SS-B DISCRETE	SS-B COMPOSITE	METHOD BLANK	
HAS SAMPLE #91-1875	001	002	003	004	-----	
BASE/NEUTRAL COMPOUNDS	RESULT ug/Kg	RESULT ug/Kg	RESULT ug/Kg	RESULT ug/Kg	RESULT ug/Kg	MDL ug/Kg
2-METHYL NAPHTHALENE	<330	<330	<330	<330	<330	<330
NAPHTHALENE	<330	<330	<330	<330	<330	<330
2-NITROANILINE	<1600	<1600	<1600	<1600	<1600	<1600
3-NITROANILINE	<1600	<1600	<1600	<1600	<1600	<1600
4-NITROANILINE	<1600	<1600	<1600	<1600	<1600	<1600
NITROBENZENE	<330	<330	<330	<330	<330	<330
N-NITROSODIPHENYLAMINE	<330	<330	<330	<330	<330	<330
N-NITROS-DI-N-PROPYLAMINE	<330	<330	<330	<330	<330	<330
PHENANTHRENE	<330	<330	<330	<330	<330	<330
PYRENE	<330	<330	<330	<330	<330	<330
1,2,4-TRICHLOROBENZENE	<330	<330	<330	<330	<330	<330
ACID COMPOUNDS	RESULT ug/Kg	RESULT ug/Kg	RESULT ug/Kg	RESULT ug/Kg	RESULT ug/Kg	MDL ug/Kg
4-CHLORO-3-METHYLPHENOL	<330	<330	<330	<330	<330	<330
2-CHLOROPHENOL	<330	<330	<330	<330	<330	<330
2,4-DICHLOROPHENOL	<330	<330	<330	<330	<330	<330
2,4-DIMETHYL PHENOL	<330	<330	<330	<330	<330	<330
2,4-DINITROPHENOL	<1600	<1600	<1600	<1600	<1600	<1600
4,6-DINITRO-2-METHYLPHENOL	<1600	<1600	<1600	<1600	<1600	<1600
2-METHYL PHENOL	<330	<330	<330	<330	<330	<330
4-METHYL PHENOL	<330	<330	<330	<330	<330	<330
2-NITROPHENOL	<330	<330	<330	<330	<330	<330
4-NITROPHENOL	<1600	<1600	<1600	<1600	<1600	<1600
PENTACHLOROPHENOL	<1600	<1600	<1600	<1600	<1600	<1600
PHENOL	<330	<330	<330	<330	<330	<330
2,4,5-TRICHLOROPHENOL	<1600	<1600	<1600	<1600	<1600	<1600
2,4,6-TRICHLOROPHENOL	<330	<330	<330	<330	<330	<330
DATE SAMPLED:	11-19-91	11-19-91	11-19-91	11-19-91	-----	
DATE RECEIVED:	11-20-91	11-20-91	11-20-91	11-20-91	-----	
DATE EXTRACTED:	11-21-91	11-21-91	11-21-91	11-21-91	11-21-91	
DATE ANALYZED:	11-22-91	11-22-91	11-22-91	11-22-91	11-22-91	

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

METHOD 8270
SEMI-VOLATILE ORGANICS

SAMPLE IDENTIFICATION :	SS-A DISCRETE	SS-A COMPOSITE	SS-B DISCRETE	SS-B COMPOSITE	METHOD BLANK
HAS SAMPLE #91-1875	001	002	003	004	-----
SURROGATES	% RECOVERY	% RECOVERY	% RECOVERY	% RECOVERY	% RECOVERY
NITROBENZENE (D5)	90	87	76	48	94
2-FLUOROBIPHENYL	88	88	116	75	89
TERPHENYL (D14)	102	89	76	73	92
PHENOL (D6)	88	85	78	67	85
2-FLUOROPHENOL	100	94	81	65	96
2,4,6-TRIBROMOPHENOL	73	73	66	50	70

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

QUALITY CONTROL MS/MSD
METHOD 8270
SOILS

SAMPLE ID: SS-A DISCRETE

HAS SAMPLE #91-1875-001

DATE ANALYZED: 11-22-91

NOTEBOOK: E263

COMPOUND	CONC. OF SPIKE (ng)	SAMPLE RESULT	CONC. MS	% REC.
PHENOL	50.0	0.0	41.7	83
BIS(2-CHLOROETHYL)ETHER	50.0	0.0	42.4	85
2-CHLOROPHENOL	50.0	0.0	42.1	84
1,3-DICHLOROBENZENE	50.0	0.0	37.9	76
1,4-DICHLOROBENZENE	50.0	0.0	39.1	78
BENZYL ALCOHOL	50.0	0.0	2.5	5
1,2-DICHLOROBENZENE	50.0	0.0	46.9	94
2-METHYL PHENOL	50.0	0.0	42.2	84
BIS(2-CHLOROISOPROPYL)ETHER	50.0	0.0	39.6	79
4-METHYL PHENOL	50.0	0.0	43.2	86
N-NITROSO-DI-N-PROPYLAMINE	50.0	0.0	42.3	85
HEXACHLOROETHANE	50.0	0.0	35.4	71
NITROBENZENE	50.0	0.0	41.1	82
ISOPHORONE	50.0	0.0	45.2	90
2-NITROPHENOL	50.0	0.0	50.7	101
2,4-DIMETHYL PHENOL	50.0	0.0	47.4	95
BENZOIC ACID	50.0	0.0	26.1	52
BIS(2-CHLOROETHOXY)METHANE	50.0	0.0	42.1	84
2,4-DICHLOROPHENOL	50.0	0.0	43.5	87
1,2,4-TRICHLOROBENZENE	50.0	0.0	42.3	85
NAPHTHALENE	50.0	0.0	43.4	87
4-CHLOROANILINE	50.0	0.0	9.9	20
HEXACHLOROBUTADIENE	50.0	0.0	38.6	77
4-CHLORO-3-METHYL PHENOL	50.0	0.0	33.9	68
2-METHYL NAPHTHALENE	50.0	0.0	45.6	91
HEXACHLOROCYCLOPENTADIENE	50.0	0.0	29.7	59
2,4,6-TRICHLOROPHENOL	50.0	0.0	44.4	89
2,4,5-TRICHLOROPHENOL	50.0	0.0	41.5	83
2-CHLORONAPHTHALENE	50.0	0.0	44.4	89
2-NITROANILINE	50.0	0.0	39.9	80
DIMETHYL PHTHALATE	50.0	0.0	44.6	89
ACENAPHTHYLENE	50.0	0.0	43.7	87
2,6-DINITROTOLUENE	50.0	0.0	43.9	88
3-NITROANILINE	50.0	0.0	19.3	39
ACENAPHTHENE	50.0	0.0	47.6	95
2,4-DINITROPHENOL	50.0	0.0	29.6	59
4-NITROPHENOL	50.0	0.0	40.4	81
DIBENZOFURAN	50.0	0.0	44.9	90
2,4-DINITROTOLUENE	50.0	0.0	44.7	89

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

QUALITY CONTROL MS/MSD
METHOD 8270
SOILS

SAMPLE ID: SS-A DISCRETE

HAS SAMPLE #91-1875-001

DATE ANALYZED: 11-22-91

NOTEBOOK: E263

COMPOUND	CONC. OF SPIKE (ng)	SAMPLE RESULT	CONC. MS	% REC.
DIETHYL PHTHALATE	50.0	0.0	44.1	88
4-CHLOROPHENYL-PHENYL ETHER	50.0	0.0	41.2	82
FLUORENE	50.0	0.0	42.9	86
4-NITROANILINE	50.0	0.0	26.7	53
4,6-DINITRO-2-METHYL PHENOL	50.0	0.0	39.2	78
N-NITROSDIPHENYLAMINE	50.0	0.0	41.3	83
4-BROMOPHENYL-PHENYL ETHER	50.0	0.0	46.2	92
HEXACHLOROBENZENE	50.0	0.0	48.6	97
PENTACHLOROPHENOL	50.0	0.0	36.4	73
PHENANTHRENE	50.0	0.0	46.1	92
ANTHRACENE	50.0	0.0	42.2	84
DI-N-BUTYL PHTHALATE	50.0	26.4	61.3	70
FLUORANTHENE	50.0	0.0	37.1	74
PYRENE	50.0	0.0	50.9	102
BUTYL BENZYL PHTHALATE	50.0	0.0	45.5	91
3,3'-DICHLOROBENZIDINE	50.0	0.0	26.3	53
BENZO(A)ANTHRACENE	50.0	0.0	45.4	91
CHRYSENE	50.0	0.0	44.6	89
BIS(2-ETHYLHEXYL)PHTHALATE	50.0	0.0	42.1	84
DI-N-OCTYL PHTHALATE	50.0	0.0	42.4	85
BENZO(B)FLUORANTHENE	50.0	0.0	41.9	84
BENZO(K)FLUORANTHENE	50.0	0.0	40.5	81
BENZO(A)PYRENE	50.0	0.0	45.3	91
INDENO(1,2,3-CD)PYRENE	50.0	0.0	45.6	91
DIBENZ(A,H)ANTHRACENE	50.0	0.0	41.2	82
BENZO(G,H,I)PERYLENE	50.0	0.0	43.4	87

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

METHOD 8270
SEMI-VOLATILE ORGANICS

SAMPLE IDENTIFICATION :	SS-E COMPOSITE	SS-E DISCRETE	SS-I DISCRETE	SS-I COMPOSITE	METHOD BLANK	
HAS SAMPLE #91-1885	003	004	011	012	-----	
BASE/NEUTRAL COMPOUNDS	RESULT ug/Kg	RESULT ug/Kg	RESULT ug/Kg	RESULT ug/Kg	RESULT ug/Kg	MDL ug/Kg
ACENAPHTHENE	<330	<330	<330	<330	<330	<330
ACENAPHTHYLENE	<330	<330	<330	<330	<330	<330
ANTHRACENE	<330	<330	<330	<330	<330	<330
BENZO(a)ANTHRACENE	<330	<330	<330	<330	<330	<330
BENZO(b)FLUORANTHENE	<330	<330	<330	<330	<330	<330
BENZOIC ACID	<1600	<1600	<1600	<1600	<1600	<1600
BENZO(k)FLUORANTHENE	<330	<330	<330	<330	<330	<330
BENZO(a)PYRENE	<330	<330	<330	<330	<330	<330
BENZO(g,h,i)PERYLENE	<330	<330	<330	<330	<330	<330
BENZYL ALCOHOL	<330	<330	<330	<330	<330	<330
BIS(2-CHLOROETHOXY)METHANE	<330	<330	<330	<330	<330	<330
BIS(2-CHLOROETHYL)ETHER	<330	<330	<330	<330	<330	<330
BIS(2-CHLOROISOPROPYL)ETHER	<330	<330	<330	<330	<330	<330
BIS(2-ETHYLHEXYL)PHTHALATE	1,500	2,800	<330	<330	<330	<330
BUTYLBENZYL PHTHALATE	880	1,200	680	690	550	<330
4-BROMOPHENYL-PHENYL ETHER	<330	<330	<330	<330	<330	<330
4-CHLOROANILINE	<330	<330	<330	<330	<330	<330
2-CHLORONAPHTHALENE	<330	<330	<330	<330	<330	<330
4-CHLOROPHENYL-PHENYL ETHER	<330	<330	<330	<330	<330	<330
CHRYSENE	<330	<330	<330	<330	<330	<330
DIBENZ(a,h)ANTHRACENE	<330	<330	<330	<330	<330	<330
DIBENZOFURAN	<330	<330	<330	<330	<330	<330
DI-N-BUTYLPHTHALATE	1,400	1,200	440	930	1,000	<330
1,2-DICHLOROBENZENE	<330	<330	<330	<330	<330	<330
1,3-DICHLOROBENZENE	<330	<330	<330	<330	<330	<330
1,4-DICHLOROBENZENE	<330	<330	<330	<330	<330	<330
3,3-DICHLOROBENZIDINE	<660	<660	<660	<660	<660	<660
DIETHYL PHTHALATE	<330	<330	<330	<330	<330	<330
DIMETHYL PHTHALATE	<330	<330	<330	<330	<330	<330
2,4-DINITROTOLUENE	<330	<330	<330	<330	<330	<330
2,6-DINITROTOLUENE	<330	<330	<330	<330	<330	<330
DI-N-OCTYL PHTHALATE	<330	<330	<330	<330	<330	<330
FLUORANTHENE	<330	<330	<330	<330	<330	<330
FLUORENE	<330	<330	<330	<330	<330	<330
HEXACHLOROBENZENE	<330	<330	<330	<330	<330	<330
HEXACHLOROBUTADIENE	<330	<330	<330	<330	<330	<330
HEXACHLOROCYCLOPENTADIENE	<330	<330	<330	<330	<330	<330
HEXACHLOROETHANE	<330	<330	<330	<330	<330	<330
INDENO(1,2,3-cd)PYRENE	<330	<330	<330	<330	<330	<330
ISOPHORONE	<330	<330	<330	<330	<330	<330

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

METHOD 8270
SEMI-VOLATILE ORGANICS

SAMPLE IDENTIFICATION :	SS-E COMPOSITE	SS-E DISCRETE	SS-I DISCRETE	SS-I COMPOSITE	METHOD BLANK	
HAS SAMPLE #91-1885	003	004	011	012	-----	
BASE/NEUTRAL COMPOUNDS	RESULT ug/Kg	RESULT ug/Kg	RESULT ug/Kg	RESULT ug/Kg	RESULT ug/Kg	MDL ug/Kg
2-METHYL NAPHTHALENE	<330	<330	<330	<330	<330	<330
NAPHTHALENE	<330	<330	<330	<330	<330	<330
2-NITROANILINE	<1600	<1600	<1600	<1600	<1600	<1600
3-NITROANILINE	<1600	<1600	<1600	<1600	<1600	<1600
4-NITROANILINE	<1600	<1600	<1600	<1600	<1600	<1600
NITROBENZENE	<330	<330	<330	<330	<330	<330
N-NITROSODIPHENYLAMINE	<330	<330	<330	<330	<330	<330
N-NITROS-DI-N-PROPYLAMINE	<330	<330	<330	<330	<330	<330
PHENANTHRENE	<330	<330	<330	<330	<330	<330
PYRENE	<330	<330	<330	<330	<330	<330
1,2,4-TRICHLOROBENZENE	<330	<330	<330	<330	<330	<330
ACID COMPOUNDS	RESULT ug/Kg	RESULT ug/Kg	RESULT ug/Kg	RESULT ug/Kg	RESULT ug/Kg	MDL ug/Kg
4-CHLORO-3-METHYLPHENOL	<330	<330	<330	<330	<330	<330
2-CHLOROPHENOL	<330	<330	<330	<330	<330	<330
2,4-DICHLOROPHENOL	<330	<330	<330	<330	<330	<330
2,4-DIMETHYL PHENOL	<330	<330	<330	<330	<330	<330
2,4-DINITROPHENOL	<1600	<1600	<1600	<1600	<1600	<1600
4,6-DINITRO-2-METHYLPHENOL	<1600	<1600	<1600	<1600	<1600	<1600
2-METHYL PHENOL	<330	<330	<330	<330	<330	<330
4-METHYL PHENOL	<330	<330	<330	<330	<330	<330
2-NITROPHENOL	<330	<330	<330	<330	<330	<330
4-NITROPHENOL	<1600	<1600	<1600	<1600	<1600	<1600
PENTACHLOROPHENOL	<1600	<1600	<1600	<1600	<1600	<1600
PHENOL	<330	<330	<330	<330	<330	<330
2,4,5-TRICHLOROPHENOL	<1600	<1600	<1600	<1600	<1600	<1600
2,4,6-TRICHLOROPHENOL	<330	<330	<330	<330	<330	<330
DATE SAMPLED:	11-21-91	11-21-91	11-21-91	11-21-91	-----	
DATE RECEIVED:	11-22-91	11-22-91	11-22-91	11-22-91	-----	
DATE EXTRACTED:	11-22-91	11-22-91	11-22-91	11-22-91	11-22-91	
DATE ANALYZED:	11-23-91	11-23-91	11-23-91	11-23-91	11-23-91	

METHOD 8270
SEMI-VOLATILE ORGANICS

SAMPLE IDENTIFICATION :	SS-E COMPOSITE	SS-E DISCRETE	SS-I DISCRETE	SS-I COMPOSITE	METHOD BLANK
HAS SAMPLE #91-1885	003	004	011	012	-----
SURROGATES	% RECOVERY	% RECOVERY	% RECOVERY	% RECOVERY	% RECOVERY
NITROBENZENE (D5)	101	112	102	88	85
2-FLUOROBIPHENYL	112	125	115	103	87
TERPHENYL (D14)	86	83	104	71	84
PHENOL (D6)	91	92	89	83	72
2-FLUOROPHENOL	104	109	101	92	81
2,4,6-TRIBROMOPHENOL	65	69	68	69	54

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

QUALITY CONTROL MS/MSD
METHOD 8270
SOILS

SAMPLE ID: SS-E COMPOSITE

HAS SAMPLE #91-1885-003

DATE ANALYZED: 11-23-91

NOTEBOOK: E263

COMPOUND	CONC. OF SPIKE (ng)	SAMPLE RESULT	CONC. MS	% REC.
PHENOL	50.0	0.0	51.6	103
BIS(2-CHLOROETHYL)ETHER	50.0	0.0	52.0	104
2-CHLOROPHENOL	50.0	0.0	51.7	103
1,3-DICHLOROBENZENE	50.0	0.0	51.6	103
1,4-DICHLOROBENZENE	50.0	0.0	52.2	104
BENZYL ALCOHOL	50.0	0.0	65.5	131
1,2-DICHLOROBENZENE	50.0	0.0	62.3	125
2-METHYL PHENOL	50.0	0.0	51.1	102
BIS(2-CHLOROISOPROPYL)ETHER	50.0	0.0	50.2	100
4-METHYL PHENOL	50.0	0.0	48.2	96
N-NITROSO-DI-N-PROPYLAMINE	50.0	0.0	49.2	98
HEXACHLOROETHANE	50.0	0.0	50.3	101
NITROBENZENE	50.0	0.0	53.4	107
ISOPHORONE	50.0	0.0	52.4	105
2-NITROPHENOL	50.0	0.0	57.7	115
2,4-DIMETHYL PHENOL	50.0	0.0	54.3	109
BENZOIC ACID	50.0	0.0	16.4	33
BIS(2-CHLOROETHOXY)METHANE	50.0	0.0	52.5	105
2,4-DICHLOROPHENOL	50.0	0.0	47.5	95
1,2,4-TRICHLOROBENZENE	50.0	0.0	51.9	104
NAPHTHALENE	50.0	0.0	52.5	105
4-CHLOROANILINE	50.0	0.0	34.5	69
HEXACHLOROBUTADIENE	50.0	0.0	51.0	102
4-CHLORO-3-METHYL PHENOL	50.0	0.0	38.8	78
2-METHYL NAPHTHALENE	50.0	0.0	46.0	92
HEXACHLOROCYCLOPENTADIENE	50.0	0.0	46.0	92
2,4,6-TRICHLOROPHENOL	50.0	0.0	53.3	107
2,4,5-TRICHLOROPHENOL	50.0	0.0	41.3	83
2-CHLORONAPHTHALENE	50.0	0.0	57.4	115
2-NITROANILINE	50.0	0.0	50.3	101
DIMETHYL PHTHALATE	50.0	0.0	55.9	112
ACENAPHTHYLENE	50.0	0.0	53.7	107
2,6-DINITROTOLUENE	50.0	0.0	49.8	100
3-NITROANILINE	50.0	0.0	38.9	78
ACENAPHTHENE	50.0	0.0	54.9	110
2,4-DINITROPHENOL	50.0	0.0	10.2	20
4-NITROPHENOL	50.0	0.0	25.0	50
DIBENZOFURAN	50.0	0.0	50.2	100
2,4-DINITROTOLUENE	50.0	0.0	42.6	85

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

QUALITY CONTROL MS/MSD
METHOD 8270
SOILS

SAMPLE ID: SS-E COMPOSITE

HAS SAMPLE #91-1885-003

DATE ANALYZED: 11-23-91

NOTEBOOK: E263

COMPOUND	CONC. OF SPIKE (ng)	SAMPLE RESULT	CONC. MS	% REC.
DIETHYL PHTHALATE	50.0	0.0	47.5	95
4-CHLOROPHENYL-PHENYL ETHER	50.0	0.0	44.1	88
FLUORENE	50.0	0.0	46.1	92
4-NITROANILINE	50.0	0.0	36.2	72
4,6-DINITRO-2-METHYL PHENOL	50.0	0.0	26.3	53
N-NITROSDIPHENYLAMINE	50.0	0.0	52.9	106
4-BROMOPHENYL-PHENYL ETHER	50.0	0.0	54.4	109
HEXACHLOROBENZENE	50.0	0.0	49.8	100
PENTACHLOROPHENOL	50.0	0.0	31.0	62
PHENANTHRENE	50.0	0.0	54.9	110
ANTHRACENE	50.0	0.0	50.0	100
DI-N-BUTYL PHTHALATE	50.0	21.0	56.0	70
FLUORANTHENE	50.0	0.0	42.3	85
PYRENE	50.0	0.0	62.1	124
BUTYL BENZYL PHTHALATE	50.0	13.0	64.1	102
3,3'-DICHLOROBENZIDINE	50.0	0.0	45.3	91
BENZO(A)ANTHRACENE	50.0	0.0	48.9	98
CHRYSENE	50.0	0.0	51.4	103
BIS(2-ETHYLHEXYL)PHTHALATE	50.0	22.0	66.6	89
DI-N-OCTYL PHTHALATE	50.0	0.0	50.0	100
BENZO(B)FLUORANTHENE	50.0	0.0	47.4	95
BENZO(K)FLUORANTHENE	50.0	0.0	47.4	95
BENZO(A)PYRENE	50.0	0.0	50.8	102
INDENO(1,2,3-CD)PYRENE	50.0	0.0	48.9	98
DIBENZ(A,H)ANTHRACENE	50.0	0.0	48.5	97
BENZO(G,H,I)PERYLENE	50.0	0.0	48.5	97

HUNTINGDON ANALYTICAL SERVICES

Sample ID: APP-GATES, NY SSA 18-24"
HAS Sample #91-1875-001
Date Sampled: NA
Date Prepared: 11/21/91

ANALYTE	EPA METHOD	DATE ANALYZED	DETECTION LIMIT	RESULT mg/kg	MS %REC	MSD %REC	RPD
ANTIMONY	6010	11/25/91	57.3	<DL	*95		
ARSENIC	6010	11/25/91	40.1	<DL	101	101	<1.0
BERYLLIUM	6010	11/25/91	5.73	<DL	100	100	<1.0
CADMIUM	6010	11/25/91	5.73	20.6	*95		
CHROMIUM	6010	11/25/91	11.5	11.5	102	97.5	4
COPPER	6010	11/25/91	11.5	<DL	120	118	1.6
LEAD	6010	11/25/91	51.5	<DL	*95		
MERCURY	7470	11/25/91	0.1100	0.4500	*95	99.0	<1
NICKEL	6010	11/25/91	45.8	<DL	116	111	4.4
SELENIUM	6010	11/25/91	68.7	<DL	104	108	3.5
SILVER	6010	11/25/91	11.5	<DL	*95		
THALLIUM	6010	11/25/91	115	<DL	100	97.5	2.7
ZINC	6010	11/25/91	22.9	65.3	85.0	106	13.

*THIS INDICATES A 95% CONFIDENCE LIMIT ACHIEVED WITH AN EPA QUALITY CONTROL SOLUTION ANALYZED ALONG WITH YOUR SAMPLE.
ALL SOIL/SLUDGE SAMPLE RESULTS ARE BASED UPON DRY WEIGHT

HUNTINGDON ANALYTICAL SERVICES

Sample ID: APP-GATES, NY SSA 18-24" COMPOSITE
HAS Sample #91-1875-002
Date Sampled: 11/19/91
Date Prepared: 11/21/91

ANALYTE	EPA METHOD	DATE ANALYZED	DETECTION LIMIT	RESULT mg/kg	QC
ANTIMONY	6010	11/25/91	58.7	<DL	*95
ARSENIC	6010	11/25/91	41.1	<DL	*95
BERYLLIUM	6010	11/25/91	5.87	7.04	*95
CADMIUM	6010	11/25/91	5.87	9.39	*95
CHROMIUM	6010	11/25/91	11.7	12.9	*95
COPPER	6010	11/25/91	11.7	14.1	*95
LEAD	6010	11/25/91	52.8	<DL	*95
MERCURY	7470	11/25/91	0.1200	<DL	*95
NICKEL	6010	11/25/91	46.9	<DL	*95
SELENIUM	6010	11/25/91	70.4	<DL	*95
SILVER	6010	11/25/91	11.7	11.7	*95
THALLIUM	6010	11/25/91	117	<DL	*95
ZINC	6010	11/25/91	23.5	114	*95

*THIS INDICATES A 95% CONFIDENCE LIMIT ACHIEVED WITH AN EPA QUALITY CONTROL SOLUTION ANALYZED ALONG WITH YOUR SAMPLE.
ALL SOIL/SLUDGE SAMPLE RESULTS ARE BASED UPON DRY WEIGH

HUNTINGDON ANALYTICAL SERVICES

Sample ID: APP-GATES, NY SSB 15-24"
HAS Sample #91-1875-003
Date Sampled: 11/19/91
Date Prepared: 11/21/91

ANALYTE	EPA METHOD	DATE ANALYZED	DETECTION LIMIT	RESULT mg/kg	QC
ANTIMONY	6010	11/25/91	60.2	<DL	*95
ARSENIC	6010	11/25/91	42.2	<DL	*95
BERYLLIUM	6010	11/25/91	6.02	<DL	*95
CADMIUM	6010	11/25/91	6.02	<DL	*95
CHROMIUM	6010	11/25/91	12	28.9	*95
COPPER	6010	11/25/91	12	18.1	*95
LEAD	6010	11/25/91	54.2	<DL	*95
MERCURY	7470	11/25/91	0.1200	<DL	*95
NICKEL	6010	11/25/91	48.2	<DL	*95
SELENIUM	6010	11/25/91	72.3	<DL	*95
SILVER	6010	11/25/91	12	<DL	*95
THALLIUM	6010	11/25/91	120	<DL	*95
ZINC	6010	11/25/91	24.1	77.1	*95

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*THIS INDICATES A 95% CONFIDENCE LIMIT ACHIEVED WITH AN EPA QUALITY CONTROL SOLUTION ANALYZED ALONG WITH YOUR SAMPLE.
ALL SOIL/SLUDGE SAMPLE RESULTS ARE BASED UPON DRY WEIGH

HUNTINGDON ANALYTICAL SERVICES

Sample ID: APP-GATES, NY SSE 15-24" COMPOSITE
HAS Sample #91-1875-004
Date Sampled: 11/19/91
Date Prepared: 11/21/91

ANALYTE	EPA METHOD	DATE ANALYZED	DETECTION LIMIT	RESULT mg/kg	QC
ANTIMONY	6010	11/25/91	60.2	<DL	*95
ARSENIC	6010	11/25/91	42.1	<DL	*95
BERYLLIUM	6010	11/25/91	6.02	<DL	*95
CADMIUM	6010	11/25/91	6.02	<DL	*95
CHROMIUM	6010	11/25/91	12	19.3	*95
COPPER	6010	11/25/91	12	16.8	*95
LEAD	6010	11/25/91	54.2	<DL	*95
MERCURY	7470	11/25/91	0.1200	<DL	*95
NICKEL	6010	11/25/91	48.1	<DL	*95
SELENIUM	6010	11/25/91	72.2	<DL	*95
SILVER	6010	11/25/91	12	<DL	*95
THALLIUM	6010	11/25/91	120	<DL	*95
ZINC	6010	11/25/91	24.1	60.2	*95

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ALL SOIL/SLUDGE SAMPLE RESULTS ARE BASED UPON DRY WEIGH

HUNTINGDON ANALYTICAL SERVICES

Sample ID: APP-GATES, NY SSC 12-18"
HAS Sample #91-1875-005
Date Sampled: 11/20/91
Date Prepared: 11/21/91

ANALYTE	EPA METHOD	DATE ANALYZED	DETECTION LIMIT	RESULT mg/kg	QC
ANTIMONY	6010	11/25/91	53.3	<DL	*95
ARSENIC	6010	11/25/91	37.3	<DL	*95
BERYLLIUM	6010	11/25/91	5.33	<DL	*95
CADMIUM	6010	11/25/91	5.33	<DL	*95
CHROMIUM	6010	11/25/91	10.7	<DL	*95
COPPER	6010	11/25/91	10.7	<DL	*95
LEAD	6010	11/25/91	48.0	<DL	*95
MERCURY	7470	11/25/91	0.1100	<DL	*95
NICKEL	6010	11/25/91	42.6	<DL	*95
SELENIUM	6010	11/25/91	64.0	<DL	*95
SILVER	6010	11/25/91	10.7	<DL	*95
THALLIUM	6010	11/25/91	107	<DL	*95
ZINC	6010	11/25/91	21.3	29.9	*95

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ALL SOIL/SLUDGE SAMPLE RESULTS ARE BASED UPON DRY WEIGH

HUNTINGDON ANALYTICAL SERVICES

Sample ID: APP-GATES, NY SSC 12-18" COMPOSITE
HAS Sample #91-1875-006
Date Sampled: 11/20/91
Date Prepared: 11/21/91

ANALYTE	EPA METHOD	DATE ANALYZED	DETECTION LIMIT	RESULT mg/kg	QC
ANTIMONY	6010	11/25/91	52.9	<DL	*95
ARSENIC	6010	11/25/91	37.0	<DL	*95
BERYLLIUM	6010	11/25/91	5.29	<DL	*95
CADMIUM	6010	11/25/91	5.29	<DL	*95
CHROMIUM	6010	11/25/91	10.6	10.6	*95
COPPER	6010	11/25/91	10.6	18	*95
LEAD	6010	11/25/91	47.6	<DL	*95
MERCURY	7470	11/25/91	0.3300	<DL	*95
NICKEL	6010	11/25/91	42.3	<DL	*95
SELENIUM	6010	11/25/91	63.5	<DL	*95
SILVER	6010	11/25/91	10.6	<DL	*95
THALLIUM	6010	11/25/91	106	<DL	*95
ZINC	6010	11/25/91	21.2	33.9	*95

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ALL SOIL/SLUDGE SAMPLE RESULTS ARE BASED UPON DRY WEIGH

HUNTINGDON ANALYTICAL SERVICES

Sample ID: METHOD BLANK
HAS Sample #91-1875-MB
Date Sampled: NA
Date Prepared: 11/21/91

ANALYTE	EPA METHOD	DATE ANALYZED	DETECTION LIMIT	RESULT mg/l	QC
ANTIMONY	6010	11/25/91	0.05	<DL	*95
ARSENIC	6010	11/25/91	0.035	<DL	*95
BERYLLIUM	6010	11/25/91	0.005	<DL	*95
CADMIUM	6010	11/25/91	0.005	<DL	*95
CHROMIUM	6010	11/25/91	0.01	<DL	*95
COPPER	6010	11/25/91	0.01	<DL	*95
LEAD	6010	11/25/91	0.045	<DL	*95
MERCURY	7470	11/25/91	0.0002	<DL	*95
NICKEL	6010	11/25/91	0.04	<DL	*95
SELENIUM	6010	11/25/91	0.06	<DL	*95
SILVER	6010	11/25/91	0.01	<DL	*95
THALLIUM	6010	11/25/91	0.10	<DL	*95
ZINC	6010	11/25/91	0.02	<DL	*95

*THIS INDICATES A 95% CONFIDENCE LIMIT ACHIEVED WITH AN EPA QUALITY CONTROL SOLUTION ANALYZED ALONG WITH YOUR SAMPLE.

HUNTINGDON ANALYTICAL SERVICES

Sample ID: SS-E
HAS Sample #91-1885-004
Date Sampled: 11/21/91
Date Prepared: 11/22/91

ANALYTE	EPA METHOD	DATE ANALYZED	DETECTION LIMIT	RESULT mg/kg	QC
ANTIMONY	6010	11/25/91	51.8	<DL	*95
ARSENIC	6010	11/25/91	36.3	<DL	*95
BERYLLIUM	6010	11/25/91	5.18	<DL	*95
CADMIUM	6010	11/25/91	5.18	<DL	*95
CHROMIUM	6010	11/25/91	10.4	15.5	*95
COPPER	6010	11/25/91	10.4	13.5	*95
LEAD	6010	11/25/91	46.6	<DL	*95
MERCURY	7470	11/25/91	0.1100	<DL	*95
NICKEL	6010	11/25/91	41.5	<DL	*95
SELENIUM	6010	11/25/91	62.2	<DL	*95
SILVER	6010	11/25/91	10.4	<DL	*95
THALLIUM	6010	11/25/91	104	<DL	*95
ZINC	6010	11/25/91	20.7	51.8	*95

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ALL SOIL/SLUDGE SAMPLE RESULTS ARE BASED UPON DRY WEIGH

HUNTINGDON ANALYTICAL SERVICES

Sample ID: SS-E COMPOSITE
HAS Sample #91-1885-003
Date Sampled: 11/21/91
Date Prepared: 11/22/91

ANALYTE	EPA METHOD	DATE ANALYZED	DETECTION LIMIT	RESULT mg/kg	QC
ANTIMONY	6010	11/25/91	53.1	<DL	*95
ARSENIC	6010	11/25/91	37.2	<DL	*95
BERYLLIUM	6010	11/25/91	5.31	13.8	*95
CADMIUM	6010	11/25/91	5.31	15.9	*95
CHROMIUM	6010	11/25/91	10.6	28.7	*95
COPPER	6010	11/25/91	10.6	25.5	*95
LEAD	6010	11/25/91	47.8	<DL	*95
MERCURY	7470	11/25/91	0.1100	0.12	*95
NICKEL	6010	11/25/91	42.5	45.6	*95
SELENIUM	6010	11/25/91	63.7	<DL	*95
SILVER	6010	11/25/91	10.6	12.7	*95
THALLIUM	6010	11/25/91	106	117	*95
ZINC	6010	11/25/91	21.2	72.2	*95

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ALL SOIL/SLUDGE SAMPLE RESULTS ARE BASED UPON DRY WEIGH

HUNTINGDON ANALYTICAL SERVICES

Sample ID: SS-F
HAS Sample #91-1885-006
Date Sampled: 11/21/91
Date Prepared: 11/22/91

ANALYTE	EPA METHOD	DATE ANALYZED	DETECTION LIMIT	RESULT mg/kg	QC
ANTIMONY	6010	11/25/91	51.1	<DL	*95
ARSENIC	6010	11/25/91	35.8	<DL	*95
BERYLLIUM	6010	11/25/91	5.11	<DL	*95
CADMIUM	6010	11/25/91	5.11	<DL	*95
CHROMIUM	6010	11/25/91	10.2	17.4	*95
COPPER	6010	11/25/91	10.2	19.4	*95
LEAD	6010	11/25/91	46.0	<DL	*95
MERCURY	7470	11/25/91	0.1100	<DL	*95
NICKEL	6010	11/25/91	40.9	<DL	*95
SELENIUM	6010	11/25/91	61.4	<DL	*95
SILVER	6010	11/25/91	10.2	<DL	*95
THALLIUM	6010	11/25/91	102	<DL	*95
ZINC	6010	11/25/91	20.5	58.3	*95

*THIS INDICATES A 95% CONFIDENCE LIMIT ACHIEVED WITH AN EPA QUALITY CONTROL SOLUTION ANALYZED ALONG WITH YOUR SAMPLE.
ALL SOIL/SLUDGE SAMPLE RESULTS ARE BASED UPON DRY WEIGH

HUNTINGDON ANALYTICAL SERVICES

Sample ID: SS-F COMPOSITE
HAS Sample #91-1885-005
Date Sampled: 11/21/91
Date Prepared: 11/22/91

ANALYTE	EPA METHOD	DATE ANALYZED	DETECTION LIMIT	RESULT mg/kg	QC
ANTIMONY	6010	11/25/91	53.3	<DL	*95
ARSENIC	6010	11/25/91	37.3	<DL	*95
BERYLLIUM	6010	11/25/91	5.33	<DL	*95
CADMIUM	6010	11/25/91	5.33	<DL	*95
CHROMIUM	6010	11/25/91	10.7	13.9	*95
COPPER	6010	11/25/91	10.7	10.7	*95
LEAD	6010	11/25/91	48.0	<DL	*95
MERCURY	7470	11/25/91	0.1100	0.1400	*95
NICKEL	6010	11/25/91	42.6	<DL	*95
SELENIUM	6010	11/25/91	63.9	<DL	*95
SILVER	6010	11/25/91	10.7	<DL	*95
THALLIUM	6010	11/25/91	107	<DL	*95
ZINC	6010	11/25/91	21.3	43.7	*95

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ALL SOIL/SLUDGE SAMPLE RESULTS ARE BASED UPON DRY WEIGH

HUNTINGDON ANALYTICAL SERVICES

Sample ID: SS-I
HAS Sample #91-1885-011
Date Sampled: 11/21/91
Date Prepared: 11/22/91

ANALYTE	EPA METHOD	DATE ANALYZED	DETECTION LIMIT	RESULT mg/kg	QC
ANTIMONY	6010	11/25/91	67.4	<DL	*95
ARSENIC	6010	11/25/91	47.2	<DL	*95
BERYLLIUM	6010	11/25/91	6.74	<DL	*95
CADMIUM	6010	11/25/91	6.74	<DL	*95
CHROMIUM	6010	11/25/91	13.5	<DL	*95
COPPER	6010	11/25/91	13.5	18.9	*95
LEAD	6010	11/25/91	60.7	<DL	*95
MERCURY	7470	11/25/91	0.1400	<DL	*95
NICKEL	6010	11/25/91	54.0	<DL	*95
SELENIUM	6010	11/25/91	80.9	<DL	*95
SILVER	6010	11/25/91	13.5	<DL	*95
THALLIUM	6010	11/25/91	135	<DL	*95
ZINC	6010	11/25/91	27.0	801	*95

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ALL SOIL/SLUDGE SAMPLE RESULTS ARE BASED UPON DRY WEIGH

HUNTINGDON ANALYTICAL SERVICES

Sample ID: SS-I COMPOSITE
HAS Sample #91-1885-012
Date Sampled: 11/21/91
Date Prepared: 11/22/91

ANALYTE	EPA METHOD	DATE ANALYZED	DETECTION LIMIT	RESULT mg/kg	QC
ANTIMONY	6010	11/25/91	65.9	<DL	*95
ARSENIC	6010	11/25/91	46.1	<DL	*95
BERYLLIUM	6010	11/25/91	6.59	<DL	*95
CADMIUM	6010	11/25/91	6.59	<DL	*95
CHROMIUM	6010	11/25/91	13.2	<DL	*95
COPPER	6010	11/25/91	13.2	17.1	*95
LEAD	6010	11/25/91	59.3	<DL	*95
MERCURY	7470	11/25/91	0.1400	<DL	*95
NICKEL	6010	11/25/91	52.7	<DL	*95
SELENIUM	6010	11/25/91	79.0	<DL	*95
SILVER	6010	11/25/91	13.2	<DL	*95
THALLIUM	6010	11/25/91	132	<DL	*95
ZINC	6010	11/25/91	26.3	715	*95

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ALL SOIL/SLUDGE SAMPLE RESULTS ARE BASED UPON DRY WEIGH

HUNTINGDON ANALYTICAL SERVICES

Sample ID: METHOD BLANK (SOILS)
HAS Sample #91-1885-MB
Date Sampled: NA
Date Prepared: 11/22/91

ANALYTE	EPA METHOD	DATE ANALYZED	DETECTION LIMIT	RESULT mg/kg	QC
ANTIMONY	6010	11/25/91	5.00	<DL	*95
ARSENIC	6010	11/25/91	3.50	<DL	*95
BERYLLIUM	6010	11/25/91	0.50	<DL	*95
CADMIUM	6010	11/25/91	0.50	<DL	*95
CHROMIUM	6010	11/25/91	1.00	<DL	*95
COPPER	6010	11/25/91	1.00	<DL	*95
LEAD	6010	11/25/91	4.50	<DL	*95
MERCURY	7470	11/25/91	0.1000	<DL	*95
NICKEL	6010	11/25/91	4.00	<DL	*95
SELENIUM	6010	11/25/91	6.00	<DL	*95
SILVER	6010	11/25/91	1.00	<DL	*95
THALLIUM	6010	11/25/91	10.00	<DL	*95
ZINC	6010	11/25/91	2.00	<DL	*95

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ALL SOIL/SLUDGE SAMPLE RESULTS ARE BASED UPON DRY WEIGH

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

Inorganic Wet Chemical Analyses

Analyte: Total Petroleum Hydrocarbons

EPA Method No.: 418.1 - Miran 1FF Method

Sample Date	HAS Sample #91-	Client I.D.	Date Prepared	Date Analyzed	Result	Units	QC in %
11/21/91	1885-007	SSG Comp.	11/25/91	11/25/91	Too	mg/kg	95*
11/21/91	1885-008	SSG Discrete	11/25/91	11/25/91	90C	mg/kg	95*
11/21/91	1885-009	SS- Discrete	11/25/91	11/25/91	276	mg/kg	95*
11/21/91	1885-010	SSn Comp.	11/25/91	11/25/91	562	mg/kg	6** 95*

* A known standard of the analyte of interest was analyzed along with this sample with the percent recovery indicated above.

** This sample was analyzed in duplicate with the RPD indicated above.

Ground Water Sampling Protocol

Each well at the APP facility was sampled with a dedicated bailer of stainless steel and teflon construction. A nylon bailer rope was also dedicated to each well. A plastic sheet was spread on the ground adjacent to the well to prevent the bailer rope from coming in contact with the ground and causing contamination of the sample. The ground water sampler wore latex sampling gloves during the purging process, and then changed to a fresh pair of latex sampling gloves for water sampling.

Five standing well volumes of water were purged from each well prior to sampling. Ground water was sampled in order of decreasing volatility, which was as follows:

- Volatile organic compounds (VOAs)
- Semi-volatile/base neutral acid extractable compounds
- Pesticides/PCBs
- Total petroleum hydrocarbons (TPH)
- Priority pollutant metals

As each well was sampled with a dedicated bailer and bailer rope, field blanks were not taken at the APP site. Samples were stored in coolers on ice until their delivery to Huntington Analytical Services.

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HUNTINGDON ANALYTICAL SERVICES
ELAP #10833
ENVIRONMENTAL REPORT

REPORT NUMBER 91-1874, 1875, 1885

STATEMENT OF WORK PERFORMED

I HEREBY DECLARE THAT THE WORK WAS PERFORMED UNDER MY SUPERVISION ACCORDING TO THE PROCEDURES OUTLINED BY THE FOLLOWING REFERENCES AND THAT THIS REPORT PROVIDES A CORRECT AND FAITHFUL RECORD OF THE RESULTS OBTAINED.

- 40 CFR PART 136, "GUIDELINES ESTABLISHING TEST PROCEDURES FOR THE ANALYSIS OF POLLUTANTS UNDER THE CLEAN WATER ACT", OCTOBER 26, 1984 (FEDERAL REGISTER) U. S. ENVIRONMENTAL PROTECTION AGENCY.

- U.S. ENVIRONMENTAL PROTECTION AGENCY, "TEST METHODS OF EVALUATING SOLID WASTE - PHYSICAL/CHEMICAL METHODS, " OFFICE OF SOLID WASTE AND EMERGENCY RESPONSE, SW-846, 2ND EDITION AND 3RD EDITION.

- NEW YORK STATE DEPARTMENT OF HEALTH, ANALYTICAL TOXICOLOGY LABORATORY HANDBOOK, AUGUST 1982.

Richard J. Ronan

RICHARD J. RONAN, PH.D.
LABORATORY DIRECTOR, ENVIRONMENTAL

REPORT CODE LEGEND:

< DL	= LESS THAN DETECTION LIMIT
ND	= NOT DETECTED
NA	= NOT APPLICABLE
INP	= INFORMATION NOT PROVIDED
MB	= METHOD BLANK

HAS

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

METHOD 624
VOLATILE ORGANICS

SAMPLE IDENTIFICATION :	MW-1	MW-2	METHOD BLANK	
HAS SAMPLE #91-1874	ØØ1	ØØ2	---	
COMPOUND	RESULT ug/l	RESULT ug/l	RESULT ug/l	MDL ug/l
CHLOROMETHANE	<1Ø	<1Ø	<1Ø	<1Ø
BROMOMETHANE	<1Ø	<1Ø	<1Ø	<1Ø
VINYL CHLORIDE	<1Ø	<1Ø	<1Ø	<1Ø
CHLOROETHANE	<1Ø	<1Ø	<1Ø	<1Ø
METHYLENE CHLORIDE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
ACETONE	<1Ø	<1Ø	<1Ø	<1Ø
TRICHLOROFLUOROMETHANE	<1Ø	<1Ø	<1Ø	<1Ø
CARBON DISULFIDE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
1,1-DICHLOROETHENE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
1,1-DICHLOROETHANE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
1,2-DICHLOROETHENE (TOTAL)	<5.Ø	<5.Ø	<5.Ø	<5.Ø
CHLOROFORM	<5.Ø	<5.Ø	<5.Ø	<5.Ø
1,2-DICHLOROETHANE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
2-BUTANONE	<1Ø	<1Ø	<1Ø	<1Ø
1,1,1-TRICHLOROETHANE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
CARBON TETRACHLORIDE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
VINYL ACETATE	<1Ø	<1Ø	<1Ø	<1Ø
BROMODICHLOROMETHANE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
1,2-DICHLOROPROPANE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
cis-1,3-DICHLOROPROPENE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
TRICHLOROETHENE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
DIBROMOCHLOROMETHANE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
1,1,2-TRICHLOROETHANE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
BENZENE	<5.Ø	6	<5.Ø	<5.Ø
trans-1,3-DICHLOROPROPENE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
2-CHLOROETHYLVINYL ETHER	<2Ø	<2Ø	<2Ø	<2Ø
BROMOFORM	<5.Ø	<5.Ø	<5.Ø	<5.Ø
4-METHYL-2-PENTANONE	<1Ø	<1Ø	<1Ø	<1Ø
2-HEXANONE	<1Ø	<1Ø	<1Ø	<1Ø
TETRACHLOROETHENE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
1,1,2,2-TETRACHLOROETHANE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
TOLUENE	<5.Ø	9	<5.Ø	<5.Ø
CHLOROBENZENE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
ETHYL BENZENE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
STYRENE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
XYLENE (TOTAL)	<5.Ø	6	<5.Ø	<5.Ø
1,3-DICHLOROBENZENE	<1Ø	<1Ø	<1Ø	<1Ø
1,2-DICHLOROBENZENE	<1Ø	<1Ø	<1Ø	<1Ø
1,4-DICHLOROBENZENE	<1Ø	<1Ø	<1Ø	<1Ø
SURROGATES	%REC	%REC	%REC	
1,2-DICHLOROETHANE d4	92	89	93	
BROMOFLUOROBENZENE	98	98	99	
TOLUENE d8	98	98	98	
DATE SAMPLED:	11-2Ø-91	11-2Ø-91	---	
DATE RECEIVED:	11-2Ø-91	11-2Ø-91	---	
DATE ANALYZED:	11-21-91	11-21-91	11-21-91	

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

QUALITY CONTROL
METHOD 624

SAMPLE IDENTIFICATION: MW-2

HAS SAMPLE #91-1874-ØØ2

DATE ANALYZED: 11-21-91

COMPOUND	CONC. OF SPIKE (ug/L)	SAMPLE RESULT	CONC. MS	% REC.
1,1-DICHLOROETHENE	5Ø	Ø	52	1Ø4
TRICHLOROETHENE	5Ø	Ø	52	1Ø4
BENZENE	5Ø	6	59	1Ø6
TOLUENE	5Ø	9	6Ø	1Ø2
CHLOROBENZENE	5Ø	Ø	52	1Ø4

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

METHOD 624
VOLATILE ORGANICS

SAMPLE IDENTIFICATION :	MW-3	MW-4	METHOD BLANK	
HAS SAMPLE #91-1885	ØØ1	ØØ2	---	
COMPOUND	RESULT ug/l	RESULT ug/l	RESULT ug/l	MDL ug/l
CHLOROMETHANE	<1Ø	<1Ø	<1Ø	<1Ø
BROMOMETHANE	<1Ø	<1Ø	<1Ø	<1Ø
VINYL CHLORIDE	<1Ø	<1Ø	<1Ø	<1Ø
CHLOROETHANE	<1Ø	<1Ø	<1Ø	<1Ø
METHYLENE CHLORIDE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
ACETONE	<1Ø	<1Ø	<1Ø	<1Ø
TRICHLOROFLUOROMETHANE	<1Ø	<1Ø	<1Ø	<1Ø
CARBON DISULFIDE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
1,1-DICHLOROETHENE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
1,1-DICHLOROETHANE	<5.Ø	1Ø	<5.Ø	<5.Ø
1,2-DICHLOROETHENE (TOTAL)	<5.Ø	<5.Ø	<5.Ø	<5.Ø
CHLOROFORM	<5.Ø	<5.Ø	<5.Ø	<5.Ø
1,2-DICHLOROETHANE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
2-BUTANONE	<1Ø	<1Ø	<1Ø	<1Ø
1,1,1-TRICHLOROETHANE	<5.Ø	32	<5.Ø	<5.Ø
CARBON TETRACHLORIDE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
VINYL ACETATE	<1Ø	<1Ø	<1Ø	<1Ø
BROMODICHLOROMETHANE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
1,2-DICHLOROPROPANE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
cis-1,3-DICHLOROPROPENE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
TRICHLOROETHENE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
DIBROMOCHLOROMETHANE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
1,1,2-TRICHLOROETHANE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
BENZENE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
trans-1,3-DICHLOROPROPENE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
2-CHLOROETHYLVINYL ETHER	<2Ø	<2Ø	<2Ø	<2Ø
BROMOFORM	<5.Ø	<5.Ø	<5.Ø	<5.Ø
4-METHYL-2-PENTANONE	<1Ø	<1Ø	<1Ø	<1Ø
2-HEXANONE	<1Ø	<1Ø	<1Ø	<1Ø
TETRACHLOROETHENE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
1,1,2,2-TETRACHLOROETHANE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
TOLUENE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
CHLOROBENZENE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
ETHYL BENZENE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
STYRENE	<5.Ø	<5.Ø	<5.Ø	<5.Ø
XYLENE (TOTAL)	<5.Ø	<5.Ø	<5.Ø	<5.Ø
1,3-DICHLOROBENZENE	<1Ø	<1Ø	<1Ø	<1Ø
1,2-DICHLOROBENZENE	<1Ø	<1Ø	<1Ø	<1Ø
1,4-DICHLOROBENZENE	<1Ø	<1Ø	<1Ø	<1Ø
SURROGATES	%REC	%REC	%REC	
1,2-DICHLOROETHANE d4	95	95	93	
BROMOFLUOROBENZENE	98	99	97	
TOLUENE d8	97	98	96	
DATE SAMPLED:	11-21-91	11-21-91	---	
DATE RECEIVED:	11-22-91	11-22-91	---	
DATE ANALYZED:	11-23-91	11-23-91	11-23-91	

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

QUALITY CONTROL
METHOD 624

SAMPLE IDENTIFICATION: MW-4

HAS SAMPLE #91-1885-ØØ2

DATE ANALYZED: 11-23-91

COMPOUND	CONC. OF SPIKE (ug/L)	SAMPLE RESULT	CONC. MS	% REC.
1,1-DICHLOROETHENE	5Ø	Ø	58	116
TRICHLOROETHENE	5Ø	Ø	52	1Ø4
BENZENE	5Ø	Ø	58	116
TOLUENE	5Ø	Ø	53	1Ø6
CHLOROBENZENE	5Ø	Ø	52	1Ø4

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

METHOD 625
SEMI-VOLATILE ORGANICS

SAMPLE IDENTIFICATION :	MW-1	MW-2	METHOD BLANK	
HAS SAMPLE #91-1874	001	002	----	
BASE/NEUTRAL COMPOUNDS	RESULT ug/l	RESULT ug/l	RESULT ug/l	MDL ug/l
ACENAPHTHENE	<10	<10	<10	<10
ACENAPHTHYLENE	<10	<10	<10	<10
ANTHRACENE	<10	<10	<10	<10
BENZO(a)ANTHRACENE	<10	<10	<10	<10
BENZO(b)FLUORANTHENE	<10	<10	<10	<10
BENZOIC ACID	<50	<50	<50	<50
BENZO(k)FLUORANTHENE	<10	<10	<10	<10
BENZO(a)PYRENE	<10	<10	<10	<10
BENZO(g,h,i)PERYLENE	<10	<10	<10	<10
BENZYL ALCOHOL	<10	<10	<10	<10
BIS(2-CHLOROETHOXY)METHANE	<10	<10	<10	<10
BIS(2-CHLOROETHYL)ETHER	<10	<10	<10	<10
BIS(2-CHLOROISOPROPYL)ETHER	<10	<10	<10	<10
BIS(2-ETHYLHEXYL)PHTHALATE	<10	<10	<10	<10
BUTYLBENZYL PHTHALATE	<10	<10	<10	<10
4-BROMOPHENYL-PHENYL ETHER	<10	<10	<10	<10
4-CHLOROANILINE	<10	<10	<10	<10
2-CHLORONAPHTHALENE	<10	<10	<10	<10
4-CHLOROPHENYL-PHENYL ETHER	<10	<10	<10	<10
CHRYSENE	<10	<10	<10	<10
DIBENZ(a,h)ANTHRACENE	<10	<10	<10	<10
DIBENZOFURAN	<10	<10	<10	<10
DI-N-BUTYLPHTHALATE	<10	<10	<10	<10
1,2-DICHLOROBENZENE	<10	<10	<10	<10
1,3-DICHLOROBENZENE	<10	<10	<10	<10
1,4-DICHLOROBENZENE	<10	<10	<10	<10
3,3-DICHLOROBENZIDINE	<20	<20	<20	<20
DIETHYL PHTHALATE	<10	<10	<10	<10
DIMETHYL PHTHALATE	<10	<10	<10	<10
2,4-DINITROTOLUENE	<10	<10	<10	<10
2,6-DINITROTOLUENE	<10	<10	<10	<10
DI-N-OCTYL PHTHALATE	<10	<10	<10	<10
FLUORANTHENE	<10	<10	<10	<10
FLUORENE	<10	<10	<10	<10
HEXACHLOROBENZENE	<10	<10	<10	<10
HEXACHLOROBUTADIENE	<10	<10	<10	<10
HEXACHLOROCYCLOPENTADIENE	<10	<10	<10	<10
HEXACHLOROETHANE	<10	<10	<10	<10
INDENO(1,2,3-cd)PYRENE	<10	<10	<10	<10
ISOPHORONE	<10	<10	<10	<10

METHOD 625
SEMI-VOLATILE ORGANICS

SAMPLE IDENTIFICATION :	MW-1	MW-2	METHOD BLANK	
HAS SAMPLE #91-1874	001	002	----	
BASE/NEUTRAL COMPOUNDS	RESULT ug/l	RESULT ug/l	RESULT ug/l	MDL ug/l
2-METHYL NAPHTHALENE ---------	<10	<10	<10	<10
NAPHTHALENE ----------	<10	<10	<10	<10
2-NITROANILINE ----------	<50	<50	<50	<50
3-NITROANILINE ----------	<50	<50	<50	<50
4-NITROANILINE ----------	<50	<50	<50	<50
NITROBENZENE ----------	<10	<10	<10	<10
N-NITROSODIPHENYLAMINE -------	<10	<10	<10	<10
N-NITROS-DI-N-PROPYLAMINE ----	<10	<10	<10	<10
PHENANTHRENE ----------	<10	<10	<10	<10
PYRENE ----------	<10	<10	<10	<10
1,2,4-TRICHLOROBENZENE -------	<10	<10	<10	<10
ACID COMPOUNDS	RESULT ug/l	RESULT ug/l	RESULT ug/l	MDL ug/l
4-CHLORO-3-METHYLPHENOL ------	<10	<10	<10	<10
2-CHLOROPHENOL ----------	<10	<10	<10	<10
2,4-DICHLOROPHENOL ----------	<10	<10	<10	<10
2,4-DIMETHYL PHENOL ----------	<10	<10	<10	<10
2,4-DINITROPHENOL ----------	<50	<50	<50	<50
4,6-DINITRO-2-METHYLPHENOL ---	<50	<50	<50	<50
2-METHYL PHENOL ----------	<10	<10	<10	<10
4-METHYL PHENOL ----------	<10	<10	<10	<10
2-NITROPHENOL ----------	<10	<10	<10	<10
4-NITROPHENOL ----------	<50	<50	<50	<50
PENTACHLOROPHENOL ----------	<50	<50	<50	<50
PHENOL ----------	<10	<10	<10	<10
2,4,5-TRICHLOROPHENOL --------	<50	<50	<50	<50
2,4,6-TRICHLOROPHENOL --------	<10	<10	<10	<10
DATE SAMPLED:	11-20-91	11-20-91	-----	
DATE RECEIVED:	11-20-91	11-20-91	-----	
DATE EXTRACTED:	11-22-91	11-22-91	11-22-91	
DATE ANALYZED:	11-22-91	11-22-91	11-22-91	

METHOD 625
SEMI-VOLATILE ORGANICS

SAMPLE IDENTIFICATION :	MW-1	MW-2	METHOD BLANK
HAS SAMPLE #91-1874	Ø01	Ø02	----
SURROGATES	% REC	% REC	% REC
NITROBENZENE (D5)	92	98	88
2-FLUOROBIPHENYL	91	96	9Ø
TERPHENYL (D14)	75	81	97
PHENOL (D6)	41	44	42
2-FLUOROPHENOL	64	69	72
2,4,6-TRIBROMOPHENOL	86	7Ø	76

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

METHOD 625
SEMI-VOLATILE ORGANICS

SAMPLE IDENTIFICATION :	MW-3	MW-4	METHOD BLANK	
HAS SAMPLE #91-1885	ØØ1	ØØ2	----	
BASE/NEUTRAL COMPOUNDS	RESULT ug/l	RESULT ug/l	RESULT ug/l	MDL ug/l
ACENAPHTHENE	<1Ø	<1Ø	<1Ø	<1Ø
ACENAPHTHYLENE	<1Ø	<1Ø	<1Ø	<1Ø
ANTHRACENE	<1Ø	<1Ø	<1Ø	<1Ø
BENZO(a)ANTHRACENE	<1Ø	<1Ø	<1Ø	<1Ø
BENZO(b)FLUORANTHENE	<1Ø	<1Ø	<1Ø	<1Ø
BENZOIC ACID	<5Ø	<5Ø	<5Ø	<5Ø
BENZO(k)FLUORANTHENE	<1Ø	<1Ø	<1Ø	<1Ø
BENZO(a)PYRENE	<1Ø	<1Ø	<1Ø	<1Ø
BENZO(g,h,i)PERYLENE	<1Ø	<1Ø	<1Ø	<1Ø
BENZYL ALCOHOL	<1Ø	<1Ø	<1Ø	<1Ø
BIS(2-CHLOROETHOXY)METHANE	<1Ø	<1Ø	<1Ø	<1Ø
BIS(2-CHLOROETHYL)ETHER	<1Ø	<1Ø	<1Ø	<1Ø
BIS(2-CHLOROISOPROPYL)ETHER	<1Ø	<1Ø	<1Ø	<1Ø
BIS(2-ETHYLHEXYL)PHTHALATE	<1Ø	<1Ø	<1Ø	<1Ø
BUTYLBENZYL PHTHALATE	<1Ø	<1Ø	<1Ø	<1Ø
4-BROMOPHENYL-PHENYL ETHER	<1Ø	<1Ø	<1Ø	<1Ø
4-CHLOROANILINE	<1Ø	<1Ø	<1Ø	<1Ø
2-CHLORONAPHTHALENE	<1Ø	<1Ø	<1Ø	<1Ø
4-CHLOROPHENYL-PHENYL ETHER	<1Ø	<1Ø	<1Ø	<1Ø
CHRYSENE	<1Ø	<1Ø	<1Ø	<1Ø
DIBENZ(a,h)ANTHRACENE	<1Ø	<1Ø	<1Ø	<1Ø
DIBENZOFURAN	<1Ø	<1Ø	<1Ø	<1Ø
DI-N-BUTYLPHTHALATE	<1Ø	<1Ø	<1Ø	<1Ø
1,2-DICHLOROBENZENE	<1Ø	<1Ø	<1Ø	<1Ø
1,3-DICHLOROBENZENE	<1Ø	<1Ø	<1Ø	<1Ø
1,4-DICHLOROBENZENE	<1Ø	<1Ø	<1Ø	<1Ø
3,3-DICHLOROBENZIDINE	<2Ø	<2Ø	<2Ø	<2Ø
DIETHYL PHTHALATE	<1Ø	<1Ø	<1Ø	<1Ø
DIMETHYL PHTHALATE	<1Ø	<1Ø	<1Ø	<1Ø
2,4-DINITROTOLUENE	<1Ø	<1Ø	<1Ø	<1Ø
2,6-DINITROTOLUENE	<1Ø	<1Ø	<1Ø	<1Ø
DI-N-OCTYL PHTHALATE	<1Ø	<1Ø	<1Ø	<1Ø
FLUORANTHENE	<1Ø	<1Ø	<1Ø	<1Ø
FLUORENE	<1Ø	<1Ø	<1Ø	<1Ø
HEXACHLOROBENZENE	<1Ø	<1Ø	<1Ø	<1Ø
HEXACHLOROBUTADIENE	<1Ø	<1Ø	<1Ø	<1Ø
HEXACHLOROCYCLOPENTADIENE	<1Ø	<1Ø	<1Ø	<1Ø
HEXACHLOROETHANE	<1Ø	<1Ø	<1Ø	<1Ø
INDENO(1,2,3-cd)PYRENE	<1Ø	<1Ø	<1Ø	<1Ø
ISOPHORONE	<1Ø	<1Ø	<1Ø	<1Ø

METHOD 625
SEMI-VOLATILE ORGANICS

SAMPLE IDENTIFICATION :	MW-3	MW-4	METHOD BLANK	
HAS SAMPLE #91-1885	Ø01	Ø02	----	
BASE/NEUTRAL COMPOUNDS	RESULT ug/l	RESULT ug/l	RESULT ug/l	MDL ug/l
2-METHYL NAPHTHALENE ---------	<1Ø	<1Ø	<1Ø	<1Ø
NAPHTHALENE ------------------	<1Ø	<1Ø	<1Ø	<1Ø
2-NITROANILINE ---------------	<5Ø	<5Ø	<5Ø	<5Ø
3-NITROANILINE ---------------	<5Ø	<5Ø	<5Ø	<5Ø
4-NITROANILINE ---------------	<5Ø	<5Ø	<5Ø	<5Ø
NITROBENZENE -----------------	<1Ø	<1Ø	<1Ø	<1Ø
N-NITROSODIPHENYLAMINE -------	<1Ø	<1Ø	<1Ø	<1Ø
N-NITROS-DI-N-PROPYLAMINE ----	<1Ø	<1Ø	<1Ø	<1Ø
PHENANTHRENE -----------------	<1Ø	<1Ø	<1Ø	<1Ø
PYRENE -----------------------	<1Ø	<1Ø	<1Ø	<1Ø
1,2,4-TRICHLOROBENZENE -------	<1Ø	<1Ø	<1Ø	<1Ø
ACID COMPOUNDS	RESULT ug/l	RESULT ug/l	RESULT ug/l	MDL ug/l
4-CHLORO-3-METHYLPHENOL ------	<1Ø	<1Ø	<1Ø	<1Ø
2-CHLOROPHENOL ---------------	<1Ø	<1Ø	<1Ø	<1Ø
2,4-DICHLOROPHENOL -----------	<1Ø	<1Ø	<1Ø	<1Ø
2,4-DIMETHYL PHENOL ----------	<1Ø	<1Ø	<1Ø	<1Ø
2,4-DINITROPHENOL ------------	<5Ø	<5Ø	<5Ø	<5Ø
4,6-DINITRO-2-METHYLPHENOL ---	<5Ø	<5Ø	<5Ø	<5Ø
2-METHYL PHENOL --------------	<1Ø	<1Ø	<1Ø	<1Ø
4-METHYL PHENOL --------------	<1Ø	<1Ø	<1Ø	<1Ø
2-NITROPHENOL ----------------	<1Ø	<1Ø	<1Ø	<1Ø
4-NITROPHENOL ----------------	<5Ø	<5Ø	<5Ø	<5Ø
PENTACHLOROPHENOL ------------	<5Ø	<5Ø	<5Ø	<5Ø
PHENOL -----------------------	<1Ø	<1Ø	<1Ø	<1Ø
2,4,5-TRICHLOROPHENOL --------	<5Ø	<5Ø	<5Ø	<5Ø
2,4,6-TRICHLOROPHENOL --------	<1Ø	<1Ø	<1Ø	<1Ø
DATE SAMPLED:	11-21-91	11-21-91	-----	
DATE RECEIVED:	11-22-91	11-22-91	-----	
DATE EXTRACTED:	11-22-91	11-22-91	11-22-91	
DATE ANALYZED:	11-22-91	11-23-91	11-22-91	

METHOD 625
SEMI-VOLATILE ORGANICS

SAMPLE IDENTIFICATION :	MW-3	MW-4	METHOD BLANK
HAS SAMPLE #91-1885	ØØ1	ØØ2	----
SURROGATES	% REC	% REC	% REC
NITROBENZENE (D5)	83	8Ø	88
2-FLUOROBIPHENYL	86	82	9Ø
TERPHENYL (D14)	1Ø6	94	97
PHENOL (D6)	42	42	42
2-FLUOROPHENOL	65	64	72
2,4,6-TRIBROMOPHENOL	78	59	76

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

QUALITY CONTROL MS
METHOD 8270
AQUEOUS

SAMPLE ID: MW-2

HAS SAMPLE #91-1874-002

DATE ANALYZED: 11-22-91

NOTEBOOK: E263

COMPOUND	CONC. OF SPIKE (ng)	SAMPLE RESULT	CONC. MS	% REC.
DIETHYL PHTHALATE	50.0	0.0	25.6	51
4-CHLOROPHENYL-PHENYL ETHER	50.0	0.0	47.2	94
FLUORENE	50.0	0.0	49.1	98
4-NITROANILINE	50.0	0.0	41.7	83
4,6-DINITRO-2-METHYL PHENOL	50.0	0.0	42.2	84
N-NITROSDIPHENYLAMINE	50.0	0.0	46.2	92
4-BROMOPHENYL-PHENYL ETHER	50.0	0.0	50.4	101
HEXACHLOROBENZENE	50.0	0.0	54.2	108
PENTACHLOROPHENOL	50.0	0.0	12.2	24
PHENANTHRENE	50.0	0.0	53.5	107
ANTHRACENE	50.0	0.0	49.3	99
DI-N-BUTYL PHTHALATE	50.0	0.0	44.7	89
FLUORANTHENE	50.0	0.0	44.6	89
PYRENE	50.0	0.0	60.4	121
BUTYL BENZYL PHTHALATE	50.0	0.0	48.0	96
3,3'-DICHLOROBENZIDINE	50.0	0.0	51.2	102
BENZO(A)ANTHRACENE	50.0	0.0	49.7	99
CHRYSENE	50.0	0.0	53.3	107
BIS(2-ETHYLHEXYL)PHTHALATE	50.0	0.0	48.4	97
DI-N-OCTYL PHTHALATE	50.0	0.0	49.7	99
BENZO(B)FLUORANTHENE	50.0	0.0	47.8	96
BENZO(K)FLUORANTHENE	50.0	0.0	47.8	96
BENZO(A)PYRENE	50.0	0.0	50.5	101
INDENO(1,2,3-CD)PYRENE	50.0	0.0	51.8	104
DIBENZ(A,H)ANTHRACENE	50.0	0.0	51.4	103
BENZO(G,H,I)PERYLENE	50.0	0.0	50.6	101

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

QUALITY CONTROL MS
METHOD 8270
AQUEOUS

SAMPLE ID: MW-2

HAS SAMPLE #91-1874-002

DATE ANALYZED: 11-22-91

NOTEBOOK: E263

COMPOUND	CONC. OF SPIKE (ng)	SAMPLE RESULT	CONC. MS	% REC.
PHENOL	50.0	0.0	26.8	54
BIS(2-CHLOROETHYL)ETHER	50.0	0.0	46.6	93
2-CHLOROPHENOL	50.0	0.0	45.4	91
1,3-DICHLOROBENZENE	50.0	0.0	35.5	71
1,4-DICHLOROBENZENE	50.0	0.0	36.7	73
BENZYL ALCOHOL	50.0	0.0	37.4	75
1,2-DICHLOROBENZENE	50.0	0.0	45.2	90
2-METHYL PHENOL	50.0	0.0	44.3	89
BIS(2-CHLOROISOPROPYL)ETHER	50.0	0.0	46.2	92
4-METHYL PHENOL	50.0	0.0	39.7	79
N-NITROSO-DI-N-PROPYLAMINE	50.0	0.0	47.2	94
HEXACHLOROETHANE	50.0	0.0	31.8	64
NITROBENZENE	50.0	0.0	49.1	98
ISOPHORONE	50.0	0.0	50.0	100
2-NITROPHENOL	50.0	0.0	56.7	113
2,4-DIMETHYL PHENOL	50.0	0.0	48.1	96
BENZOIC ACID	50.0	0.0	19.2	38
BIS(2-CHLOROETHOXY)METHANE	50.0	0.0	49.0	98
2,4-DICHLOROPHENOL	50.0	0.0	48.4	97
1,2,4-TRICHLOROBENZENE	50.0	0.0	42.2	84
NAPHTHALENE	50.0	0.0	46.3	93
4-CHLOROANILINE	50.0	0.0	49.6	99
HEXACHLOROBUTADIENE	50.0	0.0	35.8	72
4-CHLORO-3-METHYL PHENOL	50.0	0.0	48.0	96
2-METHYL NAPHTHALENE	50.0	0.0	44.8	90
HEXACHLOROCYCLOPENTADIENE	50.0	0.0	29.2	58
2,4,6-TRICHLOROPHENOL	50.0	0.0	50.1	100
2,4,5-TRICHLOROPHENOL	50.0	0.0	46.1	92
2-CHLORONAPHTHALENE	50.0	0.0	50.2	100
2-NITROANILINE	50.0	0.0	46.9	94
DIMETHYL PHTHALATE	50.0	0.0	8.8	18
ACENAPHTHYLENE	50.0	0.0	49.7	99
2,6-DINITROTOLUENE	50.0	0.0	49.7	99
3-NITROANILINE	50.0	0.0	44.9	90
ACENAPHTHENE	50.0	0.0	53.0	106
2,4-DINITROPHENOL	50.0	0.0	34.1	68
4-NITROPHENOL	50.0	0.0	23.5	47
DIBENZOFURAN	50.0	0.0	49.4	99
2,4-DINITROTOLUENE	50.0	0.0	47.3	95

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

METHOD 608
ORGANOCHLORINE PESTICIDES
POLYCHLORINATED BIPHENYLS

SAMPLE IDENTIFICATION :	METHOD BLANK	MW-1	MW-2
HAS SAMPLE #91-1874-	---	001	002
DATE ANALYZED:	11-23-91	11-23-91	11-23-91
COMPOUND	RESULT ug/L	RESULT ug/L	RESULT ug/L
ALDRIN	<0.05	<0.05	<0.05
A-BHC	<0.05	<0.05	<0.05
B-BHC	<0.05	<0.05	<0.05
D-BHC	<0.05	<0.05	<0.05
G-BHC	<0.05	<0.05	<0.05
CHLORDANE	<0.50	<0.50	<0.50
4,4-DDD	<0.10	<0.10	<0.10
4,4-DDE	<0.10	<0.10	<0.10
4,4-DDT	<0.10	<0.10	<0.10
DIELDRIN	<0.10	<0.10	<0.10
ENDOSULFAN I	<0.05	<0.05	<0.05
ENDOSULFAN II	<0.10	<0.10	<0.10
ENDOSULFAN SULFATE	<0.10	<0.10	<0.10
ENDRIN	<0.10	<0.10	<0.10
ENDRIN ALDEHYDE	<0.10	<0.10	<0.10
HEPTACHLOR	<0.05	<0.05	<0.05
HEPTACHLOR EPOXIDE	<0.05	<0.05	<0.05
TOXAPHENE	<1.0	<1.0	<1.0
PCB-1016	<0.50	<0.50	<0.50
PCB-1221	<0.50	<0.50	<0.50
PCB-1232	<0.50	<0.50	<0.50
PCB-1242	<0.50	<0.50	<0.50
PCB-1248	<0.50	<0.50	<0.50
PCB-1254	<1.0	<1.0	<1.0
PCB-1260	<1.0	<1.0	<1.0
SURROGATE RECOVERY:			
DIBUTYL CHLORENDATE	90%	74%	84%

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

METHOD 608
ORGANOCHLORINE PESTICIDES
POLYCHLORINATED BIPHENYLS

SAMPLE IDENTIFICATION :	METHOD BLANK	MW-3	MW-4
HAS SAMPLE #91-1885-	---	001	002
DATE ANALYZED:	11-23-91	11-23-91	11-23-91
COMPOUND	RESULT ug/L	RESULT ug/L	RESULT ug/L
ALDRIN	<0.05	<0.05	<0.05
A-BHC	<0.05	<0.05	<0.05
B-BHC	<0.05	<0.05	<0.05
D-BHC	<0.05	<0.05	<0.05
G-BHC	<0.05	<0.05	<0.05
CHLORDANE	<0.50	<0.50	<0.50
4,4-DDD	<0.10	<0.10	<0.10
4,4-DDE	<0.10	<0.10	<0.10
4,4-DDT	<0.10	<0.10	<0.10
DIELDRIN	<0.10	<0.10	<0.10
ENDOSULFAN I	<0.05	<0.05	<0.05
ENDOSULFAN II	<0.10	<0.10	<0.10
ENDOSULFAN SULFATE	<0.10	<0.10	<0.10
ENDRIN	<0.10	<0.10	<0.10
ENDRIN ALDEHYDE	<0.10	<0.10	<0.10
HEPTACHLOR	<0.05	<0.05	<0.05
HEPTACHLOR EPOXIDE	<0.05	<0.05	<0.05
TOXAPHENE	<1.0	<1.0	<1.0
PCB-1016	<0.50	<0.50	<0.50
PCB-1221	<0.50	<0.50	<0.50
PCB-1232	<0.50	<0.50	<0.50
PCB-1242	<0.50	<0.50	<0.50
PCB-1248	<0.50	<0.50	<0.50
PCB-1254	<1.0	<1.0	<1.0
PCB-1260	<1.0	<1.0	<1.0
SURROGATE RECOVERY:			
DIBUTYL CHLORENDATE	90%	71%	81%

HUNTINGDON ANALYTICAL SERVICES

ENVIRONMENTAL

QUALITY CONTROL MS
METHOD 608/8080

HAS SAMPLE #91-1874-002 MS

DATE ANALYZED: 11-23-91

NOTEBOOK: E265-96-08

INITIALS: R.A.B.

COMPOUND	CONC. OF SPIKE (ug/L)	SAMPLE RESULT (ug/L)	CONC. MS (ug/L)	% REC.
A-BHC	0.500	ND	0.333	67
B-BHC	0.500	ND	0.419	84
G-BHC	0.500	ND	0.411	82
D-BHC	0.500	ND	0.473	95
HEPTACHLOR	0.500	ND	0.332	66
ALDRIN	0.500	ND	0.363	73
HEPTACHLOR EPOXIDE	0.500	ND	0.444	89
ENDOSULFAN I	0.500	ND	0.572	114
4,4'-DDE	0.500	ND	0.457	91
DIELDRIN	0.500	ND	0.478	96
ENDRIN	0.500	ND	0.445	89
ENDOSULFAN II	0.500	ND	0.382	76
4,4'-DDD	0.500	ND	0.382	76
ENDRIN ALDEHYDE	0.500	ND	0.413	83
ENDOSULFAN SULFATE	0.500	ND	0.563	113
4,4'-DDT	0.500	ND	0.496	99

HUNTINGDON ANALYTICAL SERVICES

Sample ID: APP-GATES, NY MW-1
HAS Sample #91-1874-001
Date Sampled: 11/20/91
Date Prepared: 11/21/91

ANALYTE	EPA METHOD	DATE ANALYZED	DETECTION LIMIT	RESULT mg/l	QC
ANTIMONY	6010	11/22/91	0.50	<DL	*95
ARSENIC	6010	11/22/91	0.350	<DL	*95
BERYLLIUM	6010	11/22/91	0.050	0.18	*95
CADMIUM	6010	11/22/91	0.050	0.22	*95
CHROMIUM	6010	11/22/91	0.10	1.31	*95
COPPER	6010	11/22/91	0.10	1.23	*95
LEAD	6010	11/22/91	0.450	1.68	*95
MERCURY	7470	11/25/91	0.0002	0.0013	*95
NICKEL	6010	11/22/91	0.40	0.97	*95
SELENIUM	6010	11/22/91	0.60	<DL	*95
SILVER	6010	11/22/91	0.10	<DL	*95
THALLIUM	6010	11/22/91	1.00	<DL	*95
ZINC	6010	11/22/91	0.20	36.1	*95

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*THIS INDICATES A 95% CONFIDENCE LIMIT ACHIEVED WITH AN EPA QUALITY CONTROL SOLUTION ANALYZED ALONG WITH YOUR SAMPLE.

HUNTINGDON ANALYTICAL SERVICES

Sample ID: APP-GATES, NY MW-2
HAS Sample #91-1874-002
Date Sampled: 11/20/91
Date Prepared: 11/21/91

ANALYTE	EPA METHOD	DATE ANALYZED	DETECTION LIMIT	RESULT mg/l	QC
ANTIMONY	6010	11/22/91	0.50	<DL	*95
ARSENIC	6010	11/22/91	0.350	<DL	*95
BERYLLIUM	6010	11/22/91	0.050	<DL	*95
CADMIUM	6010	11/22/91	0.050	<DL	*95
CHROMIUM	6010	11/22/91	0.10	0.38	*95
COPPER	6010	11/22/91	0.10	0.32	*95
LEAD	6010	11/22/91	0.450	1.58	*95
MERCURY	7470	11/25/91	0.0002	<DL	*95
NICKEL	6010	11/22/91	0.40	<DL	*95
SELENIUM	6010	11/22/91	0.60	<DL	*95
SILVER	6010	11/22/91	0.10	<DL	*95
THALLIUM	6010	11/22/91	1.00	1.86	*95
ZINC	6010	11/22/91	0.20	9.48	*95

*THIS INDICATES A 95% CONFIDENCE LIMIT ACHIEVED WITH AN EPA QUALITY CONTROL SOLUTION ANALYZED ALONG WITH YOUR SAMPLE.

HUNTINGDON ANALYTICAL SERVICES

Sample ID: METHOD BLANK
HAS Sample #91-1874-MB
Date Sampled: NA
Date Prepared: 11/21/91

ANALYTE	EPA METHOD	DATE ANALYZED	DETECTION LIMIT	RESULT mg/l	QC
ANTIMONY	6010	11/22/91	0.05	<DL	*95
ARSENIC	6010	11/22/91	0.035	<DL	*95
BERYLLIUM	6010	11/22/91	0.005	<DL	*95
CADMIUM	6010	11/22/91	0.005	<DL	*95
CHROMIUM	6010	11/22/91	0.01	<DL	*95
COPPER	6010	11/22/91	0.01	<DL	*95
LEAD	6010	11/22/91	0.045	<DL	*95
MERCURY	7470	11/25/91	0.0002	<DL	*95
NICKEL	6010	11/22/91	0.04	<DL	*95
SELENIUM	6010	11/22/91	0.06	<DL	*95
SILVER	6010	11/22/91	0.01	<DL	*95
THALLIUM	6010	11/22/91	0.1	<DL	*95
ZINC	6010	11/22/91	0.02	<DL	*95

*THIS INDICATES A 95% CONFIDENCE LIMIT ACHIEVED WITH AN EPA QUALITY CONTROL SOLUTION ANALYZED ALONG WITH YOUR SAMPLE.

HUNTINGDON ANALYTICAL SERVICES

Sample ID: AAP-GATES, NY MW-3
HAS Sample #91-1885-001
Date Sampled: 11/21/91
Date Prepared: 11/22/91

ANALYTE	EPA METHOD	DATE ANALYZED	DETECTION LIMIT	RESULT mg/l	QC
ANTIMONY	6010	11/25/91	1.00	<DL	*95
ARSENIC	6010	11/25/91	0.70	<DL	*95
BERYLLIUM	6010	11/25/91	0.10	<DL	*95
CADMIUM	6010	11/25/91	0.10	<DL	*95
CHROMIUM	6010	11/25/91	0.20	0.86	*95
COPPER	6010	11/25/91	0.20	0.76	*95
LEAD	6010	11/25/91	0.90	1.94	*95
MERCURY	7470	11/25/91	0.0002	0.0022	*95
NICKEL	6010	11/25/91	0.80	<DL	*95
SELENIUM	6010	11/25/91	1.20	1.22	*95
SILVER	6010	11/25/91	0.20	<DL	*95
THALLIUM	6010	11/25/91	2.00	<DL	*95
ZINC	6010	11/25/91	0.40	5.86	*95

*THIS INDICATES A 95% CONFIDENCE LIMIT ACHIEVED WITH AN EPA QUALITY CONTROL SOLUTION ANALYZED ALONG WITH YOUR SAMPLE.

HUNTINGDON ANALYTICAL SERVICES

Sample ID: AAP-GATES, NY MW-4
HAS Sample #91-1885-002
Date Sampled: 11/21/91
Date Prepared: 11/22/91

ANALYTE	EPA METHOD	DATE ANALYZED	DETECTION LIMIT	RESULT mg/l	QC
ANTIMONY	6010	11/25/91	0.50	<DL	*95
ARSENIC	6010	11/25/91	0.350	<DL	*95
BERYLLIUM	6010	11/25/91	0.050	<DL	*95
CADMIUM	6010	11/25/91	0.050	<DL	*95
CHROMIUM	6010	11/25/91	0.10	0.35	*95
COPPER	6010	11/25/91	0.10	0.26	*95
LEAD	6010	11/25/91	0.450	<DL	*95
MERCURY	7470	11/25/91	0.0040	0.015	*95
NICKEL	6010	11/25/91	0.40	<DL	*95
SELENIUM	6010	11/25/91	0.60	3.07	*95
SILVER	6010	11/25/91	0.10	<DL	*95
THALLIUM	6010	11/25/91	1.00	1.91	*95
ZINC	6010	11/25/91	0.20	3.98	*95

*THIS INDICATES A 95% CONFIDENCE LIMIT ACHIEVED WITH AN EPA QUALITY CONTROL SOLUTION ANALYZED ALONG WITH YOUR SAMPLE.

HUNTINGDON ANALYTICAL SERVICES

Sample ID: METHOD BLANK (WATERS)
HAS Sample #91-1885-MB
Date Sampled: NA
Date Prepared: 11/22/91

ANALYTE	EPA METHOD	DATE ANALYZED	DETECTION LIMIT	RESULT mg/l	QC
ANTIMONY	6010	11/25/91	0.05	<DL	*95
ARSENIC	6010	11/25/91	0.035	<DL	*95
BERYLLIUM	6010	11/25/91	0.005	<DL	*95
CADMIUM	6010	11/25/91	0.005	<DL	*95
CHROMIUM	6010	11/25/91	0.01	<DL	*95
COPPER	6010	11/25/91	0.01	<DL	*95
LEAD	6010	11/25/91	0.045	<DL	*95
MERCURY	7470	11/25/91	0.0002	<DL	*95
NICKEL	6010	11/25/91	0.04	<DL	*95
SELENIUM	6010	11/25/91	0.06	<DL	*95
SILVER	6010	11/25/91	0.01	<DL	*95
THALLIUM	6010	11/25/91	0.10	<DL	*95
ZINC	6010	11/25/91	0.02	<DL	*95

*THIS INDICATES A 95% CONFIDENCE LIMIT ACHIEVED WITH AN EPA QUALITY CONTROL SOLUTION ANALYZED ALONG WITH YOUR SAMPLE.

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

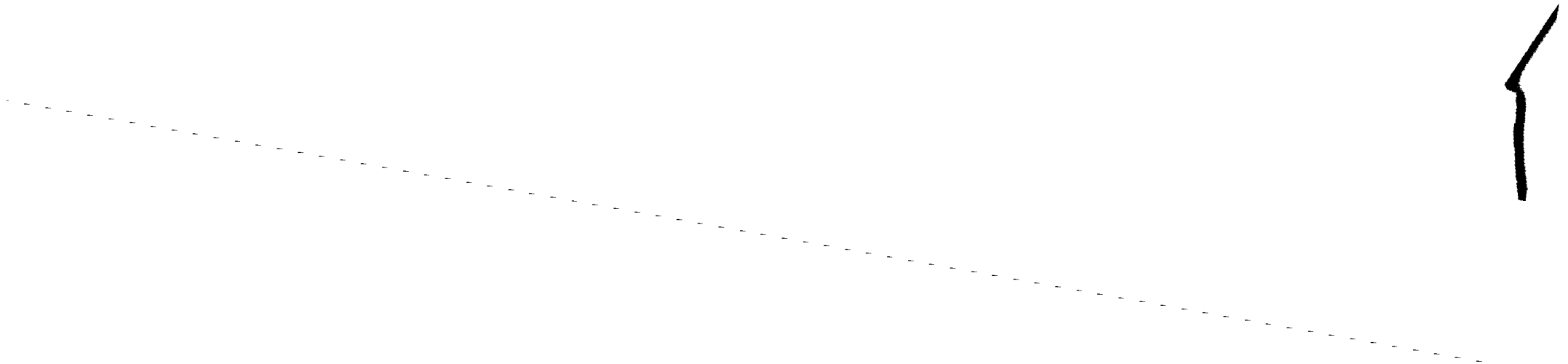
Inorganic Wet Chemical Analyses

Analyte: Total Petroleum Hydrocarbons

EPA Method No.: 418.1

Sample Date	HAS Sample #91-	Client I.D.	Date Prepared	Date Analyzed	Result	Units	QC in %
11/20/91	1874-001	MW-1	11/21/91	11/21/91	<2.0	mg/l	94*
11/20/91	1874-002	MW-2	11/21/91	11/21/91	<2.0	mg/l	94*

* A known standard of the analyte of interest was analyzed along with this sample with the percent recovery indicated above.



HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

Inorganic Wet Chemical Analyses

Analyte: Total Petroleum Hydrocarbons

EPA Method No.: 418.1

Sample Date	HAS Sample #91-	Client I.D.	Date Prepared	Date Analyzed	Result	Units	QC in %
11/21/91	1885-001	MW-3	11/25/91	11/25/91	4.0	mg/l	95*
11/21/91	1885-002	MW-4n	11/25/91	11/25/91	<2.0	mg/l	95*

* A known standard of the analyte of interest was analyzed along with this sample with the percent recovery indicated above.