ANSON ENVIRONMENTAL LTD.

771 New York Avenue
Huntington, New York 11743
631-351-3555
Fax: 631-351-3615
www.AnsonLtd.com

On-Site Groundwater Investigation

Site No. 130063

Site Location:

Nassau Uniform Services, Inc.
525 Ray Street
Freeport, NY 11520

Date: March 22, 2001

Prepared by:

Anson Environmental Ltd.
771 New York Avenue
Huntington, New York 11743

"Your Environmental Partner"

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Executive Summary

On September 27, 2000, Anson Environmental Ltd. (AEL) performed an investigation to determine the condition of the groundwater at the Nassau Uniform Services, Inc. site.

Groundwater samples were collected from the three previously installed monitoring wells and eight piezometers. The depth to water (DTW) observed in the monitoring wells ranged from 4.3-feet to 5.68-feet below grade surface (bgs) depending upon the well sampled.

The DTW observed in the sampled piezometers ranged from 2.73-feet to 6.20-feet bgs depending upon the piezometer being sampled.

The DTW at any of the observed location is a function of the grade elevation.

The collected groundwater samples were delivered to a State certified laboratory where the samples were analyzed for concentrations of volatile organic compounds (VOCs) using EPA Method 601.

The laboratory analytical results indicate that two of the three sampled monitoring wells meet NYSDEC groundwater standards. These two monitoring wells are located upgradient of the on-site groundwater spill area.

The third sampled monitoring well is located cross-gradient in a condominium parking area, approximately 18-feet east of the site building. The sample collected from the third monitoring well contained a concentration of tetrachloroethene (7 ug/L) that exceeded the NYSDEC groundwater standard (5 ug/L) by 40 percent.

The laboratory analytical results for the groundwater samples collected from the eight piezometers indicate that three of the sampled piezometers contain groundwater that is within NYSDEC standards. The remaining five piezometers contain concentrations of VOCs that exceeded NYSDEC groundwater standards. These five piezometers are located in or near the parking garage of the site building.

1.0 Introduction

On September 27, 2000, collected groundwater samples at Nassau Uniform Services from three on-site monitoring wells and eight piezometers. This sampling activity was performed to determine the condition of the on-site groundwater.

On September 28, 2000 the collected groundwater samples were delivered to H2M Labs, Inc., Melville, New York where they were analyzed for concentrations of VOCs using EPA Method 601 with NYSDEC ASP Category B deliverables.

2.0 Monitoring Wells

The following is a short description of the groundwater sampling activity performed for each of the three monitoring wells.

2.1 Monitoring Well No. 1

Monitoring Well No. 1 (Well#1) is located adjacent to and northeast of the site building (Figure 1).

The DTW in Well#1 was measured as 4.16-feet bgs. The depth to bottom inside the well was measured as 15.34-feet bgs.

Using a Redi-Flo 2 Variable Performance Pump, AEL purged 28-gallons of liquid from Well#1. The well was then sampled using a dedicated decontaminated plastic bailer.

The laboratory analysis of the groundwater sample collected from Well#1 (a.k.a. MW#1) found concentrations of tetrachloroethene (PCE) and methylene chloride that were above the method detection limit (MDL). The detected concentration of PCE in the sample collected from Well#1 was 4 micrograms per liter (ug/L). The detected concentration of methylene chloride in the sample was 2 ug/L.

Table 1 lists the concentrations of VOCs that the laboratory detected above the MDL for each monitoring well. The complete laboratory analytical report for the groundwater sample collected from MW#1 is in Appendix 1.

2.2 Monitoring Well No. 2

Monitoring Well No. 2 (Well#2) is located adjacent to and northeast of the site building, approximately 12-feet northwest of Well#1 (Figure 1).

The DTW in Well#2 (a.k.a. MW#2) was measured as 4.30-feet bgs. The depth to bottom inside the well was measured as 15.20-feet bgs.

Using a Redi-Flo 2 Variable Performance Pump, AEL purged 25-gallons of liquid from Well#2. The well was then sampled using a dedicated decontaminated plastic bailer.

The laboratory analysis of the groundwater sample collected from Well#2 (MW#2) found concentrations of PCE and methylene chloride that were above the MDL. The detected concentration of PCE in the sample collected from Well#1 was 4 ug/L. The detected concentration of methylene chloride in the sample was 1 ug/L.

Table 1 lists the concentrations of VOCs that the laboratory detected above the MDL for each monitoring well. The complete laboratory analytical report for the groundwater sample collected from MW#2 is in Appendix 1.

2.3 Monitoring Well No. 3

Monitoring Well No. 3 (Well#3) is located in the condominium parking area contiguous with the southeast boundary of the Nassau Uniform Services site (Figure 1).

The DTW in Well#3 (a.k.a. MW#3) was measured as 5.68-feet bgs. The depth to bottom inside the well was measured as 39.20-feet bgs.

Using a Redi-Flo 2 Variable Performance Pump, AEL purged 65-gallons of liquid from Well#3. The well was then sampled using a dedicated decontaminated plastic bailer.

The laboratory analysis of the groundwater sample collected from Well#3 (MW#3) found concentrations of PCE and methylene chloride that were above the MDL. The detected concentration of PCE in the sample collected from Well#3 was 7 ug/L. The detected concentration of methylene chloride in the sample was 1 ug/L.

Table 1 lists the concentrations of VOCs that the laboratory detected above the MDL for each monitoring well. The complete laboratory analytical report for the groundwater sample collected from MW#3 is in Appendix 1.

Table 1

Detected Concentrations of VOCs in Samples Collected From On-Site Monitoring Wells

Compound	MW#1 (ug/L)	MW#2 (ug/L)	MW#3 (ug/L)
Tetrachloroethene	4	4	7
Methylene Chloride	2	1	1

3.0 Piezometers

The following is a short description of the groundwater sampling activity performed for each of the eight piezometers.

3.1 Piezometer No. 1

Piezometer No. 1 (Piezo #1) is located inside the site building's truck garage area and near the center of the northeast wall of the garage (Figure 1).

The DTW in Piezo #1 was measured as 5.84-feet bgs. The depth to bottom inside the piezometer was measured as 12.15-feet bgs.

Using a new length of polyvinyl tubing equipped with a check valve, AEL purged 4-gallons of liquid from Piezo #1. The piezometer was then sampled using the same equipment.

The laboratory analysis of the groundwater sample collected from Piezo #1 found the below listed concentrations of VOCs that were above the MDL.

Compound	Concentration (ug/L)
Chloromethane Vinyl Chloride (coeluting)	390
1,1-Dichloroethene	19
Trichloroethene	5,600
Tetrachloroethene	97,000

Table 2 lists the concentrations of VOCs that the laboratory detected above the MDL for each piezometer. The complete laboratory analytical report for the groundwater sample collected from Piezo #1 is in Appendix 2.

3.2 Piezometer No. 2

Piezometer No. 2 (Piezo #2) is located inside the site building's truck garage area and near the center of the northeast wall of the garage (Figure 1).

The DTW in Piezo #2 was measured as 5.59-feet bgs. The depth to bottom inside the piezometer was measured as 35.50-feet bgs.

Using a new length of polyvinyl tubing equipped with a check valve, AEL purged 6-gallons of liquid from Piezo #2. The piezometer was then sampled using the same equipment.

The laboratory analysis of the groundwater sample collected from Piezo #2 found the below listed concentrations of VOCs that were above the MDL.

Compound	Concentration (ug/L)
Trichloroethene	5,900
Tetrachloroethene	140,000

← Diluted Piez #1

Table 2 lists the concentrations of VOCs that the laboratory detected above the MDL for each piezometer. The complete laboratory analytical report for the groundwater sample collected from Piezo #2 is in Appendix 2.

3.3 Piezometer No. 3

Piezometer No. 3 (Piezo #3) is located in the condominium parking area contiguous with the southeast boundary of the Nassau Uniform Services site (Figure 1).

The DTW in Piezo #3 was measured as 5.38-feet bgs. The depth to bottom inside the piezometer was measured as 12.28-feet bgs.

Using a new length of polyvinyl tubing equipped with a check valve, AEL purged 3-gallons of liquid from Piezo #3. The piezometer was then sampled using the same equipment.

The laboratory analysis of the groundwater sample collected from Piezo #3 found the below listed concentrations of VOCs that were above the MDL.

Compound	Concentration (ug/L)
Chloromethane Vinyl Chloride (coeluting)	2
Methylene Chloride	1

Table 2 lists the concentrations of VOCs that the laboratory detected above the MDL for each piezometer. The complete laboratory analytical report for the groundwater sample collected from Piezo #3 is in Appendix 2.

3.4 Piezometer No. 4

Piezometer No. 4 (Piezo #4) is located inside the southern corner of the site building truck parking garage (Figure 1).

The DTW in Piezo #4 was measured as 6.33-feet bgs. The depth to bottom inside the piezometer was measured as 11.86-feet bgs.

Using a new length of polyvinyl tubing equipped with a check valve, AEL purged 4-gallons of liquid from Piezo #4. The piezometer was then sampled using the same equipment.

The laboratory analysis of the groundwater sample collected from Piezo #4 found the below listed concentrations of VOCs that were above the MDL.

Compound	Concentration (ug/L)
Chloromethane Vinyl Chloride (coeluting)	600
1,1-Dichloroethene	200
Methylene Chloride	220
Trichloroethene	730
Tetrachloroethene	32,000

Table 2 lists the concentrations of VOCs that the laboratory detected above the MDL for each piezometer. The complete laboratory analytical report for the groundwater sample collected from Piezo #4 is in Appendix 2.

3.5 Piezometer No. 5

Piezometer No. 5 (Piezo #5) is located inside the building's truck parking garage near its southwest wall (Figure 1).

The DTW in Piezo #5 was measured as 6.20-feet bgs. The depth to bottom inside the piezometer was measured as 12.82-feet bgs.

Using a new length of polyvinyl tubing equipped with a check valve, AEL purged 4-gallons of liquid from Piezo #5. The piezometer was then sampled using the same equipment.

The laboratory analysis of the groundwater sample collected from Piezo #5 found the below listed concentrations of VOCs that were above the MDL.

Compound	Concentration (ug/L)
Chloromethane Vinyl Chloride (coeluting)	1,300
1,1-Dichloroethene	200
Methylene Chloride	230
Trichloroethene	2,100
Tetrachloroethene	43,000

Table 2 lists the concentrations of VOCs that the laboratory detected above the MDL for each piezometer. The complete laboratory analytical report for the groundwater sample collected from Piezo #5 is in Appendix 2.

3.6 Piezometer No. 6

Piezometer No. 6 (Piezo #6) is located inside the building's truck parking garage near its western corner (Figure 1).

The DTW in Piezo #6 was measured as 5.97-feet bgs. The depth to bottom inside the piezometer was measured as 13.40-feet bgs.

Using a new length of polyvinyl tubing equipped with a check valve, AEL purged 4-gallons of liquid from Piezo #6. The piezometer was then sampled using the same equipment.

The laboratory analysis of the groundwater sample collected from Piezo #6 found the below listed concentrations of VOCs that were above the MDL.

Compound	Concentration (ug/L)
Chloromethane Vinyl Chloride (coeluting)	71
Methylene Chloride	7
1,1-Dichloroethane	3
1,1,1-Trichloroethane	8
Trichloroethene	6
Tetrachloroethene	69

Table 2 lists the concentrations of VOCs that the laboratory detected above the MDL for each piezometer. The complete laboratory analytical report for the groundwater sample collected from Piezo #6 is in Appendix 2.

3.7 Piezometer No. 7

Piezometer No. 7 (Piezo #7) is located in the hallway that runs along the eastern side of the building. Piezo #7 is located adjacent to the doorway leading into the washer room (Figure 1).

The DTW in Piezo #7 was measured as 3.61-feet bgs. The depth to bottom inside the piezometer was measured as 12.60-feet bgs.

Using a new length of polyvinyl tubing equipped with a check valve, AEL purged 4-gallons of liquid from Piezo #7. The piezometer was then sampled using the same equipment.

The laboratory analysis of the groundwater sample collected from Piezo #7 found the below listed concentrations of VOCs that were above the MDL.

Compound	Concentration (ug/L)
Chloromethane Vinyl Chloride (coeluting)	27
Methylene Chloride	3
1,1-Dichloroethane	1
1,1,1-Trichloroethane	3
Trichloroethene	2
Tetrachloroethene	24

Table 2 lists the concentrations of VOCs that the laboratory detected above the MDL for each piezometer. The complete laboratory analytical report for the groundwater sample collected from Piezo #7 is in Appendix 2.

3.8 Piezometer No. 8

Piezometer No. 8 (Piezo #8) is located along the western curb of Ray Street approximately near the center of the site building (Figure 1).

The DTW in Piezo #8 was measured as 2.73-feet bgs. The depth to bottom inside the piezometer was measured as 13.18-feet bgs.

Using a new length of polyvinyl tubing equipped with a check valve, AEL purged 4-gallons of liquid from Piezo #8. The piezometer was then sampled using the same equipment.

The laboratory analysis of the groundwater sample collected from Piezo #8 found the below listed concentrations of VOCs that were above the MDL.

Compound	Concentration (ug/L)
Methylene Chloride	2

Table 2 lists the concentrations of VOCs that the laboratory detected above the MDL for each piezometer. The complete laboratory analytical report for the groundwater sample collected from Piezo #8 is in Appendix 2.

Table 2

Detected Concentrations of VOCs in Samples Collected From On-Site Piezometers

Compound	Piezo 1 (ug/L)	Piezo 2 (ug/L)	Piezo 3 (ug/L)	Piezo 4 (ug/L)	Piezo 5 (ug/L)	Piezo 6 (ug/L)	Piezo 7 (ug/L)	Piezo 8 (ug/L)
Chloromethane Vinyl Chloride (coeluting)	390	nd	2	600	1,300	71	27	nd
1,1-Dichloroethene	19	nd	nd	200	200	nd	nd	nd
Methylene Chloride	nd	nd	1	220	230	7	3	2
1,1-Dichloroethane	nd	nd	nd	nd	nd	3	1	nd
Trichloroethene	5,900	nd	nd	730	2,100	6	2	nd
Tetrachloroethene	140,000	nd	nd	32,000	43,000	69	24	nd
1,1,1-Trichloroethane	nd	nd	nd	nd	nd	8	3	nd

nd = not detected

4.0 Conclusions

The laboratory analytical results indicate that two of the three sampled monitoring wells, Well#1 and Well #2, meet NYSDEC groundwater standards. These two monitoring wells are located upgradient of the on-site groundwater spill area.

The third sampled monitoring well, Well #3, is located in a condominium parking area, approximately 18-feet east of the site building. The sample collected from Well#3 contained a concentration of PCE (7 ug/L) that exceeded the groundwater standard (5 ug/L) by 40 percent.

The laboratory analytical results for the groundwater samples collected from the eight piezometers indicate that three of the eight sampled piezometers, Piezo #2, Piezo #3 and Piezo # 8, contain groundwater that is within NYSDEC standards.

Piezo #2 is a "deep" piezometer that is installed to approximately 35-feet bgs. It is located adjacent to Piezo #1 which is installed to approximately 12-feet bgs, a relatively shallow depth. Piezo #1 and Piezo #2 are installed at the former location of the leaking above ground tank that contained PCE.

While the laboratory results for the sample collected from Piezo #1 indicates the presence of elevated concentrations of PCE at shallow groundwater depths, the laboratory results

for Piezo #2 indicates that the contamination plume has not descended to the lower groundwater depths.

Piezometer #8 is located on the west side of Ray Street, approximately 47-feet west of the center of the outside western wall of the Nassau Uniform Services building.

Based on the laboratory analytical results, the remaining five piezometers, Piezo #1 and Piezo #4 through Piezo #7, contain concentrations of VOCs that exceeded NYSDEC guidelines for groundwater. Four of these piezometers, Piezo #1 and Piezo #4, Piezo #5 and Piezo # 6 are located in the parking garage of the site building.

Piezometer #7 is located in the corridor at the eastern side of the Nassau Uniform Services building and adjacent to the doorway leading to the washing machine area.

The ASP Category B deliverable package for the analyzed groundwater samples is on file at the AEL facility.

The on-site soil contamination is the source of the groundwater contamination at Nassau Uniform Services. To remediate the soil contamination, AEL has submitted a work plan to NYSDEC for installing and operating a soil vapor extraction system (SVES) at the site.

The purpose of the SVES is to remove the contamination from the soil so that remediation of the groundwater can then be performed. AEL is examining several methods for remediating the groundwater that include injecting time-release compounds to chemically breakdown tetrachloroethene and its byproducts. The injection of time-release compounds, such as that manufactured by In-Situ Oxidation Technologies, Inc. (ISOTEC), has been very successful in remediating groundwater contamination at other sites.

Appendix 1

Laboratory Analytical Reports for Groundwater Samples Collected

From

On-Site Monitoring Wells

Sampling Date:

September 27, 2000

VOLATILE ORGANICS ANALYSIS DATA SHEET

H2M LABS, INC.

SAMPLE NO. 95100 MW#1

CONTRACT:_____ LAB CODE:_____ CASE NO:_____

SAS NO:_____ SDG NO: ANSON003 LAB SAMPLE ID: 20000928-150

LAB FILE ID: 8 MATRIX: WATER COLUMN ID:(CAP) Rtx 502.2

SAMPLE VOL: 5mL DILUTION FACTOR: 1

DATE RECEIVED: 9/28/00 DATE ANALYZED: 10/7/00

CAS. NO.	COMPOUND	CONC. UNITS (µg/L)	Q
75-71-8	Dichlorodifluoromethane	1	U
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
75-69-4	Fluorotrichloromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	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
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	3	
124-48-1	Dibromochloromethane	1	U
108-90-7	Chlorobenzene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
541-73-1	m-Dichlorobenzene	1	U
106-46-7	p-Dichlorobenzene	1	U
95-50-1	o-Dichlorobenzene	1	U

> Coeluting compounds

VOLATILE ORGANICS ANALYSIS DATA SHEET

H2M LABS, INC.

SAMPLE NO. 95100 MW#1/RE

CONTRACT:_____ LAB CODE:_____ CASE NO:_____

SAS NO:_____ SDG NO: ANSON003 LAB SAMPLE ID: 20000928-150/RE

LAB FILE ID: 47 MATRIX: WATER COLUMN ID:(CAP) Rtx 502.2

SAMPLE VOL: 5mL DILUTION FACTOR: 2

DATE RECEIVED: 9/28/00 DATE ANALYZED: 10/10/00

CAS NO	COMPOUND	CONC. UNITS (µg/L)	Q
75-71-8	Dichlorodifluoromethane	1	U
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
75-69-4	Fluorotrichloromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
75-09-2	Methylene Chloride	2	B
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	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
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	4	
124-48-1	Dibromochloromethane	1	U
108-90-7	Chlorobenzene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
541-73-1	m-Dichlorobenzene	1	U
106-46-7	p-Dichlorobenzene	1	U
95-50-1	o-Dichlorobenzene	1	U

> Coeluting compounds

11/6

VOLATILE ORGANICS ANALYSIS DATA SHEET

H2M LABS, INC.

SAMPLE NO. 95100 MW#2

CONTRACT:_____ LAB CODE:_____ CASE NO:_____

SAS NO:_____ SDG NO: ANSON003 LAB SAMPLE ID: 20000928-151

LAB FILE ID: 11 MATRIX: WATER COLUMN ID:(CAP) Rtx 502.2

SAMPLE VOL: 5mL DILUTION FACTOR: 1

DATE RECEIVED: 9/28/00 DATE ANALYZED: 10/8/00

CAS. NO.	COMPOUND	CONC. UNITS (µg/L)	Q
75-71-8	Dichlorodifluoromethane	1	U
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
75-69-4	Fluorotrichloromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	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
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	4	
124-48-1	Dibromochloromethane	1	U
108-90-7	Chlorobenzene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
541-73-1	m-Dichlorobenzene	1	U
106-46-7	p-Dichlorobenzene	1	U
95-50-1	o-Dichlorobenzene	1	U

> Coeluting compounds

VOLATILE ORGANICS ANALYSIS DATA SHEET

H2M LABS, INC.

SAMPLE NO. 95100 MW#2/RE

CONTRACT:_____ LAB CODE:_____ CASE NO:_____

SAS NO:_____ SDG NO: ANSON003 LAB SAMPLE ID: 20000928-151/RE

LAB FILE ID: 48 MATRIX: WATER COLUMN ID:(CAP) Rtx 502.2

SAMPLE VOL: 5mL DILUTION FACTOR: 2

DATE RECEIVED: 9/28/00 DATE ANALYZED: 10/10/00

CAS. NO.	COMPOUND	CONC. UNITS (µg/L)	Q
75-71-8	Dichlorodifluoromethane	1	U
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
75-69-4	Fluorotrichloromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
75-09-2	Methylene Chloride	1	B
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	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
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	4	
124-48-1	Dibromochloromethane	1	U
108-90-7	Chlorobenzene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
541-73-1	m-Dichlorobenzene	1	U
106-46-7	p-Dichlorobenzene	1	U
95-50-1	o-Dichlorobenzene	1	U

> Coeluting compounds

VOLATILE ORGANICS ANALYSIS DATA SHEET

H2M LABS, INC.

SAMPLE NO. 95100 MW#3

CONTRACT:_____ LAB CODE:_____ CASE NO:_____

SAS NO:_____ SDG NO: ANSON003 LAB SAMPLE ID: 20000928-15 12 10/11/3

LAB FILE ID: 12 MATRIX: WATER COLUMN ID:(CAP) Rtx 502.2

SAMPLE VOL: 5mL DILUTION FACTOR: 1

DATE RECEIVED: 9/28/00 DATE ANALYZED: 10/8/00

CAS. NO.	COMPOUND	CONC. UNITS (µg/L)	Q
75-71-8	Dichlorodifluoromethane	1	U
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
75-69-4	Fluorotrichloromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	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
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	3	
124-48-1	Dibromochloromethane	1	U
108-90-7	Chlorobenzene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
541-73-1	m-Dichlorobenzene	1	U
106-46-7	p-Dichlorobenzene	1	U
95-50-1	o-Dichlorobenzene	1	U

> Coeluting compounds

VOLATILE ORGANICS ANALYSIS DATA SHEET

H2M LABS, INC.

SAMPLE NO. 95100 MW#3/RE

CONTRACT:_____ LAB CODE:_____ CASE NO:_____

SAS NO:_____ SDG NO: ANSON003 LAB SAMPLE ID: 20000928-152/RE

LAB FILE ID: ~~AB~~ H9 MATRIX: WATER COLUMN ID:(CAP) Rtx 502.2

11/3 SAMPLE VOL: 5mL DILUTION FACTOR: 2

DATE RECEIVED: 9/28/00 DATE ANALYZED: 10/10/00

CAS NO	COMPOUND	CONC. UNITS (µg/L)	Q
75-71-8	Dichlorodifluoromethane	1	U
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
75-69-4	Fluorotrichloromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
75-09-2	Methylene Chloride	1	B
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	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
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	7	
124-48-1	Dibromochloromethane	1	U
108-90-7	Chlorobenzene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
541-73-1	m-Dichlorobenzene	1	U
106-46-7	p-Dichlorobenzene	1	U
95-50-1	o-Dichlorobenzene	1	U

> Coeluting compounds

11/6

H2M LABS, INC.

575 Broad Hollow Rd, Melville, NY 11747-5076
Tel: (516) 694-3040 Fax: (516) 420-8436

4043

EXTERNAL CHAIN OF CUSTODY

CLIENT: Arson | H2M SDG NO: 003

PROJECT NAME/NUMBER
NASSAU UNIFORM SERVICES
95100 (PROJECT NUMBER)

SAMPLERS: (signature)/Client
John Tegins

DELIVERABLES:
NYSDEC ASP Cat B

TURNAROUND TIME: 30 Days

NOTES:
Method 601

Project Contact: JOHN TEGINS
Phone Number: 631-351-3555

Sample Container Description → 40 ml VOA-HCl

Total No. of Containers ↓

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	ANALYSIS REQUESTED: ORGANIC VOA	ORGANIC BNA	ORGANIC Pest/PCB	INORG. Metal	INORG. CN	LAB I.D. NO.	REMARKS:
9/27/00	1040	LIQUID	95100 MW #1	4	4					20009128-150	MS/MSD included
9/27/00	1230	"	95100 MW #3	2	2					152	
9/27/00	1230	"	95100 PIEZO #3							155	
9/27/00	1310	"	95100 PIEZO #8							160	
9/27/00	1350	"	95100 PIEZO #6							158	
9/27/00	1400	"	95100 FB (FIELD BLANK)							161	
9/27/00	1420	"	95100 PIEZO #5							157	
9/27/00	1445	"	95100 PIEZO #4							156	
9/27/00	1525	"	95100 MW #2							151	
9/27/00	1530	"	95100 PIEZO #2							154	
9/27/00	1555	"	95100 PIEZO #1	↓	↓					153	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
John Tegins	9/28/00	1145		9/28/00	1145
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

LABORATORY USE ONLY

Discrepancies Between Sample Labels and COC Record? Y or N
Explain:

Samples were:
1. Shipped ___ or Hand Delivered ___ Airbill# _____
2. Ambient or chilled
3. Received in good condition: Y or N
4. Properly preserved: Y or N
5. Samples returned to lab ___ Hrs from collection.

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N
3. COC record present & complete upon sample receipt: Y or N

5 COOLERS

WHITE COPY - ORIGINAL 9/27/00 YELLOW COPY - CLIENT PINK COPY - LABORATORY

H2M LABS, INC.

575 Broad Hollow Rd, Melville, NY 11747-5076
Tel: (516) 694-3040 Fax: (516) 420-8436

4044

EXTERNAL CHAIN OF CUSTODY

CLIENT: Anon

H2M SDG NO: 003

PROJECT NAME/NUMBER
NASSAU UNIFORM SERVICES
PROJECT NUMBER 95100

SAMPLERS: (signature)/Client
John Tegins

DELIVERABLES:
NYSPEC ASP Cat B

TURNAROUND TIME: 30 DAYS

NOTES:
METHOD 601

Project Contact:
JOHN TEGINS

Phone Number:
631
351-3555

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	Sample Container Description: 40 ml vial-HCl	ANALYSIS REQUESTED: ORGANIC VOA	ORGANIC BNA	ORGANIC Pest/PCB	INORG. Metal	INORG. CN	LAB I.D. NO.	REMARKS:
9/27/00	1640	AQUEOUS	95100 PIEZO #7	2	2						200928-158	159
			TRIP BLANK 9/27/00 (ISP)	2	2						200928-162	TRIP BLANK

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
John Tegins	9/28/00	1145		9/28/00	1145
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

LABORATORY USE ONLY

Discrepancies Between Sample Labels and COC Record? Y or N
Explain:

Samples were:
1. Shipped ___ or Hand Delivered ___ Airbill# _____
2. Ambient or chilled
3. Received in good condition: Y or N
4. Properly preserved: Y or N
5. Samples returned to lab ___ Hrs from collection.

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N
3. COC record present & complete upon sample receipt: Y or N

WHITE COPY - ORIGINAL 9/27/00 YELLOW COPY - CLIENT PINK COPY - LABORATORY

Appendix 2

Laboratory Analytical Reports for Groundwater Samples Collected

From

On-Site Piezometers

Sample Date:

September 27, 2000

VOLATILE ORGANICS ANALYSIS DATA SHEET

H2M LABS, INC.

SAMPLE NO. 95100 PIEZO #1

CONTRACT:_____ LAB CODE:_____ CASE NO:_____

SAS NO:_____ SDG NO: ANSON003 LAB SAMPLE ID: 20000928-153

LAB FILE ID: 13 MATRIX: WATER COLUMN ID:(CAP) Rtx 502.2

SAMPLE VOL: 5mL DILUTION FACTOR: 1

DATE RECEIVED: 9/28/00 DATE ANALYZED: 10/8/00

CAS. NO	COMPOUND	CONC. UNITS (µg/L)	Q
75-71-8	Dichlorodifluoromethane	2	U
74-87-3	Chloromethane		
75-01-4	Vinyl Chloride	390	E
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	2	U
75-69-4	Fluorotrichloromethane	2	U
75-35-4	1,1-Dichloroethene	19	
75-09-2	Methylene Chloride	2	U
156-60-5	trans-1,2-Dichloroethene	2	U
75-34-3	1,1-Dichloroethane	2	U
67-66-3	Chloroform	2	U
71-55-6	1,1,1-Trichloroethane	2	U
56-23-5	Carbon Tetrachloride	2	U
107-06-2	1,2-Dichloroethane	2	U
79-01-6	Trichloroethene	E	E
78-87-5	1,2-Dichloropropane	2	U
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
10061-02-6	trans-1,3-Dichloropropene	2	U
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	E	E
124-48-1	Dibromochloromethane	2	U
108-90-7	Chlorobenzene	2	U
75-25-2	Bromoform	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
541-73-1	m-Dichlorobenzene	2	U
106-46-7	p-Dichlorobenzene	2	U
95-50-1	o-Dichlorobenzene	2	U

> Coeluting compounds

VOLATILE ORGANICS ANALYSIS DATA SHEET

H2M LABS, INC.

SAMPLE NO. 95100 PIEZO #1DL

CONTRACT:_____ LAB CODE:_____ CASE NO:_____

SAS NO:_____ SDG NO: ANSON003 LAB SAMPLE ID: 20000928-153DL

LAB FILE ID: 54 MATRIX: WATER COLUMN ID:(CAP) Rtx 502.2

SAMPLE VOL: 5mL DILUTION FACTOR: 2 400 ~~5~~ 11/3

DATE RECEIVED: 9/28/00 DATE ANALYZED: 10/11/00

CAS. NO.	COMPOUND	CONC. UNITS (µg/L)	Q
75-71-8	Dichlorodifluoromethane	200	U
74-87-3	Chloromethane	200	U
75-01-4	Vinyl Chloride	200	U
74-83-9	Bromomethane	200	U
75-00-3	Chloroethane	200	U
75-69-4	Fluorotrichloromethane	200	U
75-35-4	1,1-Dichloroethene	200	U
75-09-2	Methylene Chloride	200	U
156-60-5	trans-1,2-Dichloroethene	200	U
75-34-3	1,1-Dichloroethane	200	U
67-66-3	Chloroform	200	U
71-55-6	1,1,1-Trichloroethane	200	U
56-23-5	Carbon Tetrachloride	200	U
107-06-2	1,2-Dichloroethane	200	U
79-01-6	Trichloroethene	5600	D
78-87-5	1,2-Dichloropropane	200	U
75-27-4	Bromodichloromethane	200	U
10061-01-5	cis-1,3-Dichloropropene	200	U
10061-02-6	trans-1,3-Dichloropropene	200	U
79-00-5	1,1,2-Trichloroethane	200	U
127-18-4	Tetrachloroethene	97000	E
124-48-1	Dibromochloromethane	200	U
108-90-7	Chlorobenzene	200	U
75-25-2	Bromoform	200	U
79-34-5	1,1,2,2-Tetrachloroethane	200	U
541-73-1	m-Dichlorobenzene	200	U
106-46-7	p-Dichlorobenzene	200	U
95-50-1	o-Dichlorobenzene	200	U

> Coeluting compounds

VOLATILE ORGANICS ANALYSIS DATA SHEET

H2M LABS, INC.

SAMPLE NO. 95100 PIEZO #1DL2

CONTRACT:_____ LAB CODE:_____ CASE NO:_____

SAS NO:_____ SDG NO: ANSON003 LAB SAMPLE ID: 20000928-153DL 2

LAB FILE ID: 58 MATRIX: WATER COLUMN ID:(CAP) Rtx 502.2

SAMPLE VOL: 5mL DILUTION FACTOR: 2000

DATE RECEIVED: 9/28/00 DATE ANALYZED: 10/11/00

CAS. NO.	COMPOUND	CONC. UNITS (µg/L)	Q
75-71-8	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	1000	U
75-01-4	Vinyl Chloride	1000	U
74-83-9	Bromomethane	1000	U
75-00-3	Chloroethane	1000	U
75-69-4	Fluorotrichloromethane	1000	U
75-35-4	1,1-Dichloroethene	1000	U
75-09-2	Methylene Chloride	1000	U
156-60-5	trans-1,2-Dichloroethene	1000	U
75-34-3	1,1-Dichloroethane	1000	U
67-66-3	Chloroform	1000	U
71-55-6	1,1,1-Trichloroethane	1000	U
56-23-5	Carbon Tetrachloride	1000	U
107-06-2	1,2-Dichloroethane	1000	U
79-01-6	Trichloroethene	5900	D
78-87-5	1,2-Dichloropropane	1000	U
75-27-4	Bromodichloromethane	1000	U
10061-01-5	cis-1,3-Dichloropropene	1000	U
10061-02-6	trans-1,3-Dichloropropene	1000	U
79-00-5	1,1,2-Trichloroethane	1000	U
127-18-4	Tetrachloroethene	140000	D
124-48-1	Dibromochloromethane	1000	U
108-90-7	Chlorobenzene	1000	U
75-25-2	Bromoform	1000	U
79-34-5	1,1,2,2-Tetrachloroethane	1000	U
541-73-1	m-Dichlorobenzene	1000	U
106-46-7	p-Dichlorobenzene	1000	U
95-50-1	o-Dichlorobenzene	1000	U

> Coeluting compounds

VOLATILE ORGANICS ANALYSIS DATA SHEET

H2M LABS, INC.

SAMPLE NO. 95100 PIEZO #2

CONTRACT:_____ LAB CODE:_____ CASE NO:_____

SAS NO:_____ SDG NO: ANSON003 LAB SAMPLE ID: 20000928-154R

LAB FILE ID: 50 MATRIX: WATER COLUMN ID:(CAP) Rtx 502.2

SAMPLE VOL: 5mL DILUTION FACTOR: 2

DATE RECEIVED: 9/28/00 DATE ANALYZED: 10/10/00

CAS NO	COMPOUND	CONC. UNITS (µg/L)	Q
75-71-8	Dichlorodifluoromethane	1	U
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
75-69-4	Fluorotrichloromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	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
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
108-90-7	Chlorobenzene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
541-73-1	m-Dichlorobenzene	1	U
106-46-7	p-Dichlorobenzene	1	U
95-50-1	o-Dichlorobenzene	1	U

> Coeluting compounds

11/6

VOLATILE ORGANICS ANALYSIS DATA SHEET

H2M LABS, INC.

SAMPLE NO. 95100 PIEZO #3

CONTRACT:_____ LAB CODE:_____ CASE NO:_____

SAS NO:_____ SDG NO: ANSON003 LAB SAMPLE ID: 20000928-155R

LAB FILE ID: 51 MATRIX: WATER COLUMN ID:(CAP) Rtx 502.2

SAMPLE VOL: 5mL DILUTION FACTOR: 2

DATE RECEIVED: 9/28/00 DATE ANALYZED: 10/11/00

CAS. NO.	COMPOUND	CONC. UNITS (µg/L)	Q
75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane		
75-01-4	Vinyl Chloride	2	
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Fluorotrichloromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
75-09-2	Methylene Chloride	1	B
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	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
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
108-90-7	Chlorobenzene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
541-73-1	m-Dichlorobenzene	1	U
106-46-7	p-Dichlorobenzene	1	U
95-50-1	o-Dichlorobenzene	1	U

> Coeluting compounds

11/6

VOLATILE ORGANICS ANALYSIS DATA SHEET

H2M LABS, INC.

SAMPLE NO. 95100 PIEZO #4DL

CONTRACT:_____ LAB CODE:_____ CASE NO:_____

SAS NO:_____ SDG NO: ANSON003 LAB SAMPLE ID: 20000928-156DL

LAB FILE ID: 56 MATRIX: WATER COLUMN ID:(CAP) Rtx 502.2

SAMPLE VOL: 5mL DILUTION FACTOR: 400

DATE RECEIVED: 9/28/00 DATE ANALYZED: 10/11/00

CAS NO.	COMPOUND	CONC. UNITS (µg/L)	Q
75-71-8	Dichlorodifluoromethane	200	U
74-87-3	Chloromethane		
75-01-4	Vinyl Chloride	600	D
74-83-9	Bromomethane	200	U
75-00-3	Chloroethane	200	U
75-69-4	Fluorotrichloromethane	200	U
75-35-4	1,1-Dichloroethene	~~220~~ 700	~~B~~ U
75-09-2	Methylene Chloride	~~200~~ 230	~~V~~ B
156-60-5	trans-1,2-Dichloroethene	200	U
75-34-3	1,1-Dichloroethane	200	U
67-66-3	Chloroform	200	U
71-55-6	1,1,1-Trichloroethane	200	U
56-23-5	Carbon Tetrachloride	200	U
107-06-2	1,2-Dichloroethane	200	U
79-01-6	Trichloroethene	730	D
78-87-5	1,2-Dichloropropane	200	U
75-27-4	Bromodichloromethane	200	U
10061-01-5	cis-1,3-Dichloropropene	200	U
10061-02-6	trans-1,3-Dichloropropene	200	U
79-00-5	1,1,2-Trichloroethane	200	U
127-18-4	Tetrachloroethene	32000	D
124-48-1	Dibromochloromethane	200	U
108-90-7	Chlorobenzene	200	U
75-25-2	Bromoform	200	U
79-34-5	1,1,2,2-Tetrachloroethane	200	U
541-73-1	m-Dichlorobenzene	200	U
106-46-7	p-Dichlorobenzene	200	U
95-50-1	o-Dichlorobenzene	200	U

> Coeluting compounds

11/6

VOLATILE ORGANICS ANALYSIS DATA SHEET

H2M LABS, INC.

SAMPLE NO. 95100 PIEZO #5DL

CONTRACT:_____ LAB CODE:_____ CASE NO:_____

SAS NO:_____ SDG NO: ANSON003 LAB SAMPLE ID: 20000928-157DL

LAB FILE ID: 57 MATRIX: WATER COLUMN ID:(CAP) Rtx 502.2

SAMPLE VOL: 5mL DILUTION FACTOR: 400

DATE RECEIVED: 9/28/00 DATE ANALYZED: 10/11/00

CAS. NO.	COMPOUND	CONC. UNITS (µg/L)	Q
75-71-8	Dichlorodifluoromethane	200	U
74-87-3	Chloromethane		
75-01-4	Vinyl Chloride	1300	D
74-83-9	Bromomethane	200	U
75-00-3	Chloroethane	200	U
75-69-4	Fluorotrichloromethane	200	U
75-35-4	1,1-Dichloroethene	~~200~~ 300	~~U~~ U
75-09-2	Methylene Chloride	~~200~~ 330	~~U~~ B
156-60-5	trans-1,2-Dichloroethene	200	U
75-34-3	1,1-Dichloroethane	200	U
67-66-3	Chloroform	200	U
71-55-6	1,1,1-Trichloroethane	200	U
56-23-5	Carbon Tetrachloride	200	U
107-06-2	1,2-Dichloroethane	200	U
79-01-6	Trichloroethene	2100	D
78-87-5	1,2-Dichloropropane	200	U
75-27-4	Bromodichloromethane	200	U
10061-01-5	cis-1,3-Dichloropropene	200	U
10061-02-6	trans-1,3-Dichloropropene	200	U
79-00-5	1,1,2-Trichloroethane	200	U
127-18-4	Tetrachloroethene	39000	E
124-48-1	Dibromochloromethane	200	U
108-90-7	Chlorobenzene	200	U
75-25-2	Bromoform	200	U
79-34-5	1,1,2,2-Tetrachloroethane	200	U
541-73-1	m-Dichlorobenzene	200	U
106-46-7	p-Dichlorobenzene	200	U
95-50-1	o-Dichlorobenzene	200	U

> Coeluting compounds

11/6

VOLATILE ORGANICS ANALYSIS DATA SHEET

H2M LABS, INC.

SAMPLE NO. 95100 PIEZO #5DL2

CONTRACT:_____ LAB CODE:_____ CASE NO:_____

SAS NO:_____ SDG NO: ANSON003 LAB SAMPLE ID: 20000928-157DL2

LAB FILE ID: 59 MATRIX: WATER COLUMN ID:(CAP) Rtx 502.2

SAMPLE VOL: 5mL DILUTION FACTOR: 1000

DATE RECEIVED: 9/28/00 DATE ANALYZED: 10/11/00

CAS. NO.	COMPOUND	CONC. UNITS (µg/L)	Q
75-71-8	Dichlorodifluoromethane	500	U
74-87-3	Chloromethane		
75-01-4	Vinyl Chloride	1300	D
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	500	U
75-69-4	Fluorotrichloromethane	500	U
75-35-4	1,1-Dichloroethene	500	U
75-09-2	Methylene Chloride	500	U
156-60-5	trans-1,2-Dichloroethene	500	U
75-34-3	1,1-Dichloroethane	500	U
67-66-3	Chloroform	500	U
71-55-6	1,1,1-Trichloroethane	500	U
56-23-5	Carbon Tetrachloride	500	U
107-06-2	1,2-Dichloroethane	500	U
79-01-6	Trichloroethene	1800	D
78-87-5	1,2-Dichloropropane	500	U
75-27-4	Bromodichloromethane	500	U
10061-01-5	cis-1,3-Dichloropropene	500	U
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	43000	D
124-48-1	Dibromochloromethane	500	U
108-90-7	Chlorobenzene	500	U
75-25-2	Bromoform	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U
541-73-1	m-Dichlorobenzene	500	U
106-46-7	p-Dichlorobenzene	500	U
95-50-1	o-Dichlorobenzene	500	U

> Coeluting compounds

VOLATILE ORGANICS ANALYSIS DATA SHEET

H2M LABS, INC.

SAMPLE NO. 95100 PIEZO #6

CONTRACT:_____ LAB CODE:_____ CASE NO:_____

SAS NO:_____ SDG NO: ANSON003 LAB SAMPLE ID: 20000928-158R

LAB FILE ID: 52 MATRIX: WATER COLUMN ID:(CAP) Rtx 502.2

SAMPLE VOL: 5mL DILUTION FACTOR: 5

DATE RECEIVED: 9/28/00 DATE ANALYZED: 10/11/00

CAS. NO.	COMPOUND	CONC. UNITS (µg/L)	Q
75-71-8	Dichlorodifluoromethane	3	U
74-87-3	Chloromethane		
75-01-4	Vinyl Chloride	71	
74-83-9	Bromomethane	3	U
75-00-3	Chloroethane	3	U
75-69-4	Fluorotrichloromethane	3	U
75-35-4	1,1-Dichloroethene	3	U
75-09-2	Methylene Chloride	7	B
156-60-5	trans-1,2-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	3	
67-66-3	Chloroform	3	U
71-55-6	1,1,1-Trichloroethane	8	
56-23-5	Carbon Tetrachloride	3	U
107-06-2	1,2-Dichloroethane	3	U
79-01-6	Trichloroethene	6	
78-87-5	1,2-Dichloropropane	3	U
75-27-4	Bromodichloromethane	3	U
10061-01-5	cis-1,3-Dichloropropene	3	U
10061-02-6	trans-1,3-Dichloropropene	3	U
79-00-5	1,1,2-Trichloroethane	3	U
127-18-4	Tetrachloroethene	69	
124-48-1	Dibromochloromethane	3	U
108-90-7	Chlorobenzene	3	U
75-25-2	Bromoform	3	U
79-34-5	1,1,2,2-Tetrachloroethane	3	U
541-73-1	m-Dichlorobenzene	3	U
106-46-7	p-Dichlorobenzene	3	U
95-50-1	o-Dichlorobenzene	3	U

> Coeluting compounds

11/6

VOLATILE ORGANICS ANALYSIS DATA SHEET

H2M LABS, INC.

SAMPLE NO. 95100 PIEZO #7

CONTRACT:_____ LAB CODE:_____ CASE NO:_____

SAS NO:_____ SDG NO: ANSON003 LAB SAMPLE ID: 20000928-159R

LAB FILE ID: 53 MATRIX: WATER COLUMN ID:(CAP) Rtx 502.2

SAMPLE VOL: 5mL DILUTION FACTOR: 2

DATE RECEIVED: 9/28/00 DATE ANALYZED: 10/11/00

CAS. NO.	COMPOUND	CONC. UNITS (µg/L)	Q
75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane		
75-01-4	Vinyl Chloride	27	
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Fluorotrichloromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
75-09-2	Methylene Chloride	3	B
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	3	
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	2	
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	24	
124-48-1	Dibromochloromethane	1	U
108-90-7	Chlorobenzene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
541-73-1	m-Dichlorobenzene	1	U
106-46-7	p-Dichlorobenzene	1	U
95-50-1	o-Dichlorobenzene	1	U

> Coeluting compounds

11/6

VOLATILE ORGANICS ANALYSIS DATA SHEET

H2M LABS, INC.

SAMPLE NO. 95100 PIEZO #8

CONTRACT:_____ LAB CODE:_____ CASE NO:_____

SAS NO:_____ SDG NO: ANSON003 LAB SAMPLE ID: 20000928-160R

LAB FILE ID: 54 MATRIX: WATER COLUMN ID:(CAP) Rtx 502.2

SAMPLE VOL: 5mL DILUTION FACTOR: 2

DATE RECEIVED: 9/28/00 DATE ANALYZED: 10/11/00

CAS. NO.	COMPOUND	CONC. UNITS (µg/L)	Q
75-71-8	Dichlorodifluoromethane	1	U
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
75-69-4	Fluorotrichloromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
75-09-2	Methylene Chloride	2	B
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	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
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
108-90-7	Chlorobenzene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
541-73-1	m-Dichlorobenzene	1	U
106-46-7	p-Dichlorobenzene	1	U
95-50-1	o-Dichlorobenzene	1	U

> Coeluting compounds

11/6

H2M LABS, INC.

4043

EXTERNAL CHAIN OF CUSTODY

575 Broad Hollow Rd, Melville, NY 11747-5076
Tel: (516) 694-3040 Fax: (516) 420-8436

CLIENT: Arson

H2M SDG NO: 1003

PROJECT NAME/NUMBER
NASSAU UNIFORM SERVICES
95100 (PROJECT NUMBER)

SAMPLERS: (signature)/Client
John Tegins

DELIVERABLES:
NYSDEC ASP Cat B

TURNAROUND TIME: 30 Days

NOTES:
Method 601

Project Contact:
JOHN TEGINS

Phone Number:
631-351-3555

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	Sample Container Description: 40 ml VOA + HCl	ANALYSIS REQUESTED: ORGANIC VOA	ORGANIC BNA	ORGANIC Pest/PCB	INORG. Metal	INORG. CN	LAB I.D. NO.	REMARKS:
9/27/00	1040	LIQUID	95100 MW #1	4	4						20009928-150	MS/MSD included
9/27/00	1230	"	95100 MW #3	2	2						152	
9/27/00	1230	"	95100 PIEZO #3								155	
9/27/00	1310	"	95100 PIEZO #8								160	
9/27/00	1350	"	95100 PIEZO #6								158	
9/27/00	1400	"	95100 FB (FIELD BLANK)								161	
9/27/00	1420	"	95100 PIEZO #5								157	
9/27/00	1445	"	95100 PIEZO #4								156	
9/27/00	1525	"	95100 MW #2								151	
9/27/00	1530	"	95100 PIEZO #2								154	
9/27/00	1555	"	95100 PIEZO #1								153	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
John Tegins	9/28/00	1145	[signature]	9/28/00	1145
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

LABORATORY USE ONLY

Discrepancies Between Sample Labels and COC Record? Y or N
Explain:

Samples were:
1. Shipped ___ or Hand Delivered ___ Airbill# _____
2. Ambient or chilled
3. Received in good condition Y or N
4. Properly preserved: Y or N
5. Samples returned to lab ___ Hrs from collection.

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N
3. COC record present & complete upon sample receipt: Y or N

SDG S

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H2M LABS, INC.

4044

EXTERNAL CHAIN OF CUSTODY

575 Broad Hollow Rd, Melville, NY 11747-5076
Tel: (516) 694-3040 Fax: (516) 420-8436

CLIENT: ARSON

H2M SDG NO: 003

PROJECT NAME/NUMBER
NASSAU UNIFORM SERVICES
PROJECT NUMBER 95100

SAMPLERS: (signature)/Client
John Tegins

DELIVERABLES:
NYSPEC ASP Cat B

TURNAROUND TIME: 30 DAYS

NOTES:
METHOD 601

Project Contact:
JOHN TEGINS

Phone Number:
631
351-3555

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	Sample Container Description	ANALYSIS REQUESTED: ORGANIC VOA	ORGANIC BNA	ORGANIC Pest/PCB	INORG. Metal	INORG. CN	LAB I.D. NO.	REMARKS:
9/27/00	1640	AQUEOUS	95100 PIEZ30 #7	2	40ml VOA-HCl	2					2000928-159	
			TRIP BLANK 9/27/00 (CS)	2		2					2000928-162	TRIP BLANK

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
John Tegins	9/28/00	1145		9/28/00	1145
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

LABORATORY USE ONLY

Discrepancies Between Sample Labels and COC Record? Y or N
Explain:

Samples were:
1. Shipped ___ or Hand Delivered ___ Airbill# _____
2. Ambient or chilled
3. Received in good condition: Y or N
4. Properly preserved: Y or N
5. Samples returned to lab ___ Hrs from collection.

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N
3. COC record present & complete upon sample receipt Y or N

WHITE COPY - ORIGINAL 9/27/00 YELLOW COPY - CLIENT PINK COPY - LABORATORY

For Figure 1, see Project Manager.