EBIZNEWDOC

EBIZNEWDOC

Write or Copy/Paste Document Title In This Space

File. HW 633006. 1993-01-01. 1993 - to - 1994.

Bldg 36 - Haz - Waste

DO NOT PHOTOCOPY. PRINT FROM PDF VERSION ONLY.

EBIZNEWDOC

EBIZNEWDOC

DEPARTMENT OF THE AIR FORCE
AIR FORCE REAL PROPERTY AGENCY

RECEIVED
APR 0 8 2003
BUREAU OF SOLID WASTE
APR 07 2003
HAZARDOUS MATERIALS

MEMORANDUM FOR NYS Department of Environmental Conservation, Region 6
Attn: Mr. John Homburger, Deputy Regional Permit Administrator
207 Genesee Street
Utica, NY 13501

FROM: AFRPA/DA-Griffiss
Environmental Section
153 Brooks Road
Rome, NY 13441-4105

SUBJECT: Hazardous Waste Management Permit
NYSDEC Permit Number: 6-3013-00063/00020
EPA I.D. NY4571924451
Building 36 Hazardous Waste Storage Facility Closure, Griffiss AFB

1. In reference to the above subject Hazardous Waste Management Permit, we are pleased to inform you that all "Closure and Post Closure" requirements have been fulfilled and we respectively request that the above subject NYSDEC Permit Number: 6-3013-00063/00020 located at the former Griffiss AFB be discontinued. NYSDEC acceptance of the closure and post closure activities performed at various facilities related to the permit is listed below:

a. Lot 11 - NYSDEC correspondence dated January 5, 1998 (attached).

b. Building 36 (1300) - NYSDEC correspondence dated February 9, 1998 (attached).

c. Hazardous Waste/Hazardous Material Storage Areas - NYSDEC correspondence dated August 11, 1999 (attached).

d. Building 35 (1200) - NYSDEC correspondence dated December 8, 1999 (attached) and Air Force correspondence dated April 26, 2000 (attached) transmitting the final closure report with the closure certification statement.

e. Air National Guard Hazardous Waste Storage Areas - April 21, 2000 (attached).

f. Building 112 - NYSDEC correspondence dated May 2002 (attached).

2. If you have any questions, please contact Michael Wojnas, 315-330-2275.

MICHAEL F. MCDERMOTT
BRAC Environmental Coordinator

Attachments: As noted

cc: J. Greco, DEC Albany, NY
K. Johnson, DEC Albany, NY
J. Kenna, DEC Watertown, NY
J. Reidy, USEPA, Region 2
T. Tyoe, DEC Utica, NY
J. Waldron, AFRPA/DA-EV

REAL FILE

New York State Department of Environmental Conservation
207 Genesee Street
Utica, New York 13501-2885
(315) 793-2554

John P. Cahill
Commissioner

January 5, 1998

Mr. Michael F. McDermott
BRAC Environmental Coordinator
AFBCA/DA-Griffiss
Environmental Section
153 Brooks Road
Rome, New York 13441-4105

Re: Building 36 - Hazardous Waste Storage Facility Closure
DEC Permit Number 6-3013-00063/00020

Dear Mr. McDermott:

We have reviewed your request of December 19, 1997 to amend the closure plan for Part 373 permitted hazardous waste storage facility (HWSF) - Building 36. Based on the information that was provided the closure plan is amended as follows:

- 60 Days before Closure
  - Written notice of the intent to close the HWSF for storage of hazardous waste will be submitted to the commissioner.

- Day 30 of Closure
  - Sampling activities will be completed.

- Day 60 of Closure
  - The closure of the HWSF will be complete. Closure will be certified by a New York State registered professional engineer and the installation commander in accordance with the specification contained in the approved closure plan. This certification must also include the fact that no wastes were stored at the facility.

Since you have already submitted the results of the sampling activity in the July 1997 report and the information in the December 19, 1997 request you are now at the point of closure in which you have 60 days to submit the Certification of Closure. Also, since the sampling has been completed the HWSF is no longer permitted to store hazardous wastes, and Module VI (storage of containers) will be revoked as part of the permit with acceptance of the closure.

We have also reviewed your closure certification for Lot 11, which was submitted on December 17, 1997. With the submittal of this information Lot 11 can now be considered closed.

Please note that you also have a HWSA Permit that goes along with the Part 373 Permit for the HWSF. You will need to keep EPA informed of activities concerning the Part 373 Permit. This is due to the fact that you will need to remove this permit as well as the Part 373 once closure is complete.

If you have any questions, please feel free to contact Craig Weil at 793-2554.

Sincerely,

Joseph Homburger

J. Joseph Homburger
Deputy Regional Permit Administrator
Region 6 - Utica

cc: Craig Weil
John Kenna
Kent Johnson
Jim Reidy, USEPA Region II

New York State Department of Environmental Conservation
207 Genesee Street
Utica, New York 13501-2885
(315) 793-2554

John P. Cahill
Commissioner

February 9, 1998

Certified Mail
Return Receipt Requested

Mr. Michael F. McDermott
BRAC Environmental Coordinator
AFBCA/DA - Griffiss
Environmental Section
153 Brooks Road
Rome, New York 13441-4105

Re: Hazardous Waste Management Permit
DEC Permit Number 6-3013-00063/00020
Modification to 6 NYCRR Part 373 Permit
EPA I.D. NY4571924451

Dear Mr. McDermott:

This is to inform you that pursuant to Environmental Conservation Law ("ECL"), Article 27, Title 9 (McKinney's) and 6 NYCRR, Part 373, the New York State Department of Environmental Conservation has made a determination to modify your referenced Hazardous Waste Management Permit as indicated in the following statements which supersedes previous references to Building 36, the Part 373 Permitted Hazardous Waste Storage Facility. The remainder of the permit continues in full force and effect.

The permit modification includes:

1. All references to Building 36, the Part 373 Permitted Hazardous Waste Storage Facility are nullified and considered deleted from the permit.

2. Module VI (storage of containers) is revoked as part of the permit.

The alleged facts or conduct which appear to warrant the intended modification are as follows:

1. Griffiss Air Force Base submittals of July 28, 1997 and January 21, 1998 pertaining to Building 1300 (B/36) have been reviewed in accordance with the provisions of the referenced permit.

2. A Certification of Closure for Building 1300 (B/36) has been provided and accepted. The storage facility is closed.

3. Part 373 Section 373-1.7 Permit Modifications provides as follows:

(c) Minor modification of RCRA delegated permits. An application for modification of a RCRA delegated permit may be processed pursuant to Part 621 of this Title without being treated as a new application for only the following changes under the indicated categories:

(1) General Permit Provisions.

(i) Administrative and informational changes.

Should you object to this modification, you have the right under Part 621.13(c) Uniform Procedures Act to submit a written statement to the Department giving reasons why the permit should not be modified, or requesting a hearing, or both. Such a statement must be submitted to the Deputy Regional Permit Administrator within 15 calendar days of the date this letter was mailed.

Your failure to timely submit a statement shall result in this action becoming effective 20 days from the date this correspondence was typed.

In the event that you have no objection to this modification, no action is required on your part and the modification will become effective upon your receipt of this correspondence.

Sincerely,

Joseph Homburger

J. Joseph Homburger
Deputy Regional Permit Administrator
Region 6 - Utica

JJH:dld

cc: John Kenna
Judy Drabicki
Craig Weil
Paul Counterman
Jon Greco
Kent Johnson
Jim Reidy
Joseph Griffo

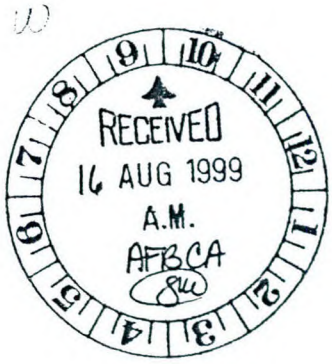
New York State Department of Environmental Conservation
Division of Solid and Hazardous Materials
Bureau of Radiation & Hazardous Site Management, Room 460
50 Wolf Road, Albany, New York 12233-7252
Phone: (518) 457-9253 Fax: (518) 457-9240



John P. Cahill
Commissioner

95-0036
26-D-2-2
MIKE D

August 11, 1999



Mr. Michael F. McDermott
BRAC Environmental Coordinator
AFBCA/DA-Griffiss
Environmental Section
153 Brooks Road
Rome NY, 13441-4105

Dear Mr. McDermott:

Re: Hazardous Waste/Hazardous Material Storage Areas

The New York State Department of Environmental Conservation (the Department) has received the "Closure of Hazardous Waste/Hazardous Material Storage Areas at Griffiss Air Force Base, Rome, New York". The closure report presents the results and recommended actions based on the sampling and remediation of 76 hazardous waste/hazardous material storage areas at the former Griffiss Air Force Base. The closure report was revised in response to Department comments. Storage of materials at these areas was terminated in conjunction with base realignment in September 1995.

Upon review of the revised report, the Department approves closure of the hazardous waste/hazardous material storage areas incorporated into this report.

If you have any questions on this matter please contact me at (518) 457-9253.

Sincerely,

Kent D. Johnson
Engineering Geologist II

cc: J. Reidy, USEPA Region II
T. Tyoe, Region 6
J. Greco, DHWR

New York State Department of Environmental Conservation
Division of Solid and Hazardous Materials
Bureau of Radiation & Hazardous Site Management, Room 460
50 Wolf Road, Albany, New York 12233-7252
Phone: (518) 457-9253 **FAX:** (518) 457-9240
Website: www.dec.state.ny.us

John P. Cahill
Commissioner

95-0036
26-D-2-2
Mike W
IRP

December 8, 1999

Mr. Michael F. McDermott
BRAC Environmental Coordinator
AFBCA/DA-Griffiss
Environmental Section
153 Brooks Road
Rome NY, 13441-4105

Dear Mr. McDermott:

RE: Building 35 Closure Report

The New York State Department of Environmental Conservation (the Department) has received the "Draft Building 35 Closure Report" dated October 1999. The report details the activities performed as part of the closure of former hazardous waste storage Building 35.

Upon review, the Department concurs with the recommendations found in Section 6.0 of the report. Upon the submission of the final report with a signed closure certification page, the Department will begin proceedings for termination of NYSDEC permit number 6-3013-00063/00020-0.

If you have any questions on this matter, please contact me at (518) 457-9253.

Sincerely,

Kent D. Johnson
Engineering Geologist II

cc: J. Reidy, USEPA Region II
J. Kenna, Region 6
J. Homburger, Region 6 - Utica
J. Greco, DHWR

KJ/hmp
C:\WINDOWS\TEMP\b35dclosKJ.wpd



95-0036
26-D-2-2

DEPARTMENT OF THE AIR FORCE
AIR FORCE BASE CONVERSION AGENCY

26 APR 2000

MEMORANDUM FOR Mr. Paul R. Counterman, P.E., Chief
Attn: Mr. Kent Johnson
New York State Department of Environmental Conservation
Bureau of Western Hazardous Waste Programs
Division of Hazardous Substances Regulation
50 Wolf Road
Albany NY 12233-7010

FROM: AFBCA/DA-Griffiss
Environmental Section
153 Brooks Road
Rome NY 13441-4105

SUBJECT: Building 35 Hazardous Waste Storage Facility Closure, Griffiss AFB
DEC Permit Number: 6-3013-00063/00020

1. In reference to your December 8, 1999 correspondence, enclosed please find two (2) sets of inserts for the final Building 35 Closure Report. The inserts are provided based on the approval of the draft October 1999 report and include an updated title page, a signed and stamped closure certification statement (Section 7) and an updated cover and spine for the report binder.

2. Please begin proceedings for termination of NYSDEC permit number 6-3013-00063/00020-0. If you have any questions, please contact Michael Wojnas, (315) 330-2275.

MICHAEL F. MCDERMOTT
BRAC Environmental Coordinator

Attachment:
Final B/35 Closure Report Inserts

cc: W.Brower, AFCEE (w/o atch)
M.Quinlan, IT/OHM (w/o atch)

373 permit

New York State Department of Environmental Conservation Division of
Solid and Hazardous Materials
Bureau of Radiation & Hazardous Site Management, Room 460
50 Wolf Road, Albany, New York 12233-7255
Phone: (518) 457-9253 • FAX: (518) 457-9240
Website: www.dec.state.ny.us

Environmental Conservation 30 YEARS

John P. Cahill
Commissioner

April 21, 2000

Mr. Michael F. McDermott
BRAC Environmental Coordinator
AFBCA/DA-Griffiss
Environmental Section
153 Brooks Road
Rome NY, 13441-4105

Dear Mr. McDermott:

RE: Air National Guard Hazardous Waste Storage Areas

The New York State Department of Environmental Conservation (the Department) has received the "Draft Closure Report for the Air National Guard Hazardous Waste Satellite Storage Areas at the former Griffiss Air Force Base, Rome, New York". The closure report presents the results and recommended actions based on the sampling and remediation of five hazardous waste storage areas at the former Griffiss Air Force Base. Storage of materials at these areas was terminated in conjunction with dissolution of the Air National Guard Wing in October 1998.

Upon review of the report, the Department approves closure of the hazardous waste/hazardous material storage areas addressed in this report.

If you have any questions on this matter please call me at (518) 457-9253.

Sincerely,

Kent D. Johnson
Engineering Geologist II

cc: J. Reidy, USEPA Region II
T. Tyoe, Region 6
J. Greco, DHWR

KJ/hmp
JohnsonAngclos.wpd

NEW YORK STATE CENSUS 2000
BE PART OF THE COUNT
SOIS PARTIE DE LA CHIFFRE

New York State Department of Environmental Conservation
Division of Solid and Hazardous Materials
Bureau of Solid Waste and Land Management, 8th Floor
625 Broadway, Albany, New York 12233-7258
Phone: (518) 402-8594 • **FAX:** (518) 402-9025
Website: www.dec.state.ny.us

Erin M. Crotty
Commissioner

May 22, 2002

Mr. Michael F. McDermott
BRAC Environmental Coordinator
AFBCA/DA-Griffiss
Environmental Section
153 Brooks Road
Rome NY, 13441-4105

Dear Mr. McDermott:

Re: Building 112

The New York State Department of Environmental Conservation (the Department) has received the "Building 112 Groundwater Investigations Report". The investigation was conducted to determine the possible impacts to groundwater from the building's past use as an electrical research facility and the effect of turbidity on analytical sample results.

Upon review the Department concurs that the low level groundwater contamination, which was previously detected as part of the investigation, is associated with suspended sediment in collected samples and the soils contamination which was previously addressed Federal Facilities Agreement and not associated with hazardous waste management within Building 112. Closure of the Building is acceptable.

If you have any questions on this matter, please contact me at (518) 402-8594.

Sincerely,

Kent D. Johnson
Engineering Geologist 2

cc: J. Reidy, USEPA Region II
T. Tyoe, Region 6
J. Greco, DHWR

New York State Department of Environmental Conservation
Division of Solid and Hazardous Materials
Bureau of Solid Waste and Land Management, 8th Floor
625 Broadway, Albany, New York 12233-7258
Phone: (518) 402-8594 • **FAX:** (518) 402-9025
Website: www.dec.state.ny.us

Erin M. Crotty
Commissioner

May 22, 2002

Mr. Michael F. McDermott
BRAC Environmental Coordinator
AFBCA/DA-Griffiss
Environmental Section
153 Brooks Road
Rome NY, 13441-4105

Dear Mr. McDermott:

Re: Building 112

The New York State Department of Environmental Conservation (the Department) has received the "Building 112 Groundwater Investigations Report". The investigation was conducted to determine the possible impacts to groundwater from the building's past use as an electrical research facility and the effect of turbidity on analytical sample results.

Upon review the Department concurs that the low level groundwater contamination, which was previously detected as part of the investigation, is associated with suspended sediment in collected samples and the soils contamination which was previously addressed Federal Facilities Agreement and not associated with hazardous waste management within Building 112. Closure of the Building is acceptable.

If you have any questions on this matter, please contact me at (518) 402-8594.

Sincerely,

Kent D. Johnson
Engineering Geologist 2

cc: J. Reidy, USEPA Region II
T. Tyoe, Region 6
J. Greco, DHWR

DEPARTMENT OF THE AIR FORCE
AIR FORCE BASE CONVERSION AGENCY

MAR 19 2002

MEMORANDUM FOR Mr. Paul R. Counterman, P.E., Chief
Attn: Mr. Kent Johnson
New York State Department of Environmental Conservation
Division of Solid and Hazardous Materials
Bureau of Eastern Remedial Action
625 Broadway
Albany, NY 12233-7015

FROM: AFBCA/DA-Griffiss
Environmental Section
153 Brooks Road
Rome, NY 13441-4205

SUBJECT: Submittal – Building 112 Groundwater Investigations Report

1. Attached please find two (2) copies of the draft Letter Report dated February 2002 that presents the results of the November 2001 groundwater sampling event.

2. Based on the results of this investigation and previous investigations and actions taken at this site, final closure is recommended. In addition, upon receipt of your concurrence on closure of this site, this office will request that Hazardous Waste Storage Facility Permit Number 6-3013-00063/00020-0 be discontinued since all facilities associated with this permit have been closed.

3. Please review and provide concurrence by April 15, 2002. If you have any questions, please contact Mike Wojnas at 315-330-2275.

MICHAEL F. MCDERMOTT
BRAC Environmental Coordinator

Attachment:
B/112 Investigation Report

RECEIVED
NYSDEC
MAR 22 2002
BUREAU OF RADIATION &
HAZARDOUS SITE MANAGEMENT
DIVISION OF SOLID &
HAZARDOUS MATERIALS

Areas of Concern
Long Term Monitoring
Griffiss Air Force Base
Rome, New York

DRAFT
LETTER REPORT

BUILDING 112 RCRA SITE



Contract No. F41624-95-D-8003
Delivery Order No.10

Revision 0.0
February 2002

FPM group

DRAFT

LETTER REPORT

Prepared for:

Building 112 High Power Laboratory
RCRA site
Griffiss Air Force Base
Rome, New York

through

Air Force Center for Environmental Excellence
3207 North Road
Brooks AFB, TX 78235-5673

Prepared by:

FPM Group, Ltd.
153 Brooks Road
Rome, NY 13441

Contract No. F41624-95-D-8003
Delivery Order No. 10

Revision 0.0
February 2002

1.0 INTRODUCTION

FPM Group, Ltd. (FPM) has recently completed groundwater sampling at the Resource Conservation and Recovery Act (RCRA) site, Building 112 at the former Griffiss Air Force Base (AFB) in Rome, NY. This letter report includes a summary of the groundwater sampling data collected from one monitoring well (B112MW-1) at the Building 112 RCRA site in November 2001.

Building 112 is the former High Power Laboratory located in the central part of the former Griffiss AFB, north of Brooks Road, West of Otis Street and south of Hangar Road. The Building was constructed in 1943 as an aircraft engine test facility and was later converted to an electrical research facility. In accordance with the Master Reuse Strategy for Griffiss AFB, dated January 1995, Building 112 was deemed unusable and is scheduled for demolition. The site features are shown in Figure 1.

Potential PCB contamination associated with previous activities performed at this building, were the subject of an investigation performed by OHM Remediation Services Corp. Surface wipe, liquid, and oil samples were collected throughout the building, and remedial action was conducted where investigation results did not meet closure criteria. During the investigation, a water/oil sample was collected from the elevator shaft in Cell 6 in Building 112 (shown in Figure 2), in which the oil fraction of the sample was found to contain 78.1 ppm PCBs. In the time between the sampling event and the removal of liquids in the elevator shaft, the volume of liquids increased significantly from possible surface run-off or groundwater infiltration into the elevator shaft. This was cause for a groundwater investigation to assess the potential presence and extent of PCB contamination in the groundwater (Investigation and Remediation of Polychlorinated Biphenyls at Building 112, OHM Remediation Services Corp., March 2001).

In total, four rounds of sampling were performed (October 1999, January 2000, October 2000, and January 2001). Four wells were sampled during each sampling round, including B112MW-1, -2, -3 and -4 and samples were collected and analyzed for PCBs by the Environmental Protection Agency (EPA) Method 8082. There were three detections for PCBs in the first round; however, none exceeded the New York State (NYS) Department of Environmental Conservation (NYSDEC) Class GA Groundwater Standard of 0.09 µg/L (as listed in TOGS 1.1.5, NYSDEC, August 1998). Two detections were reported for the second sampling round, with one exceeding the NYS Groundwater Standard at 0.118 µg/L (B112MW-1). The third sampling round had one detection, below the Groundwater Standard. The fourth sampling round had three detections, with one exceeding the Groundwater Standard at 0.265 µg/L (B112MW-1dup). The two exceedances of the PCB groundwater standard (both at B112MW-1) were presumably associated with suspended solids in the samples as the result of high turbidity (> 900 NTU).

B112MW-1 is located upgradient of the Cell 6 elevator Shaft, but within the soil removal area for the Interim Removal Action under Comprehensive Environmental Response, Compensation,

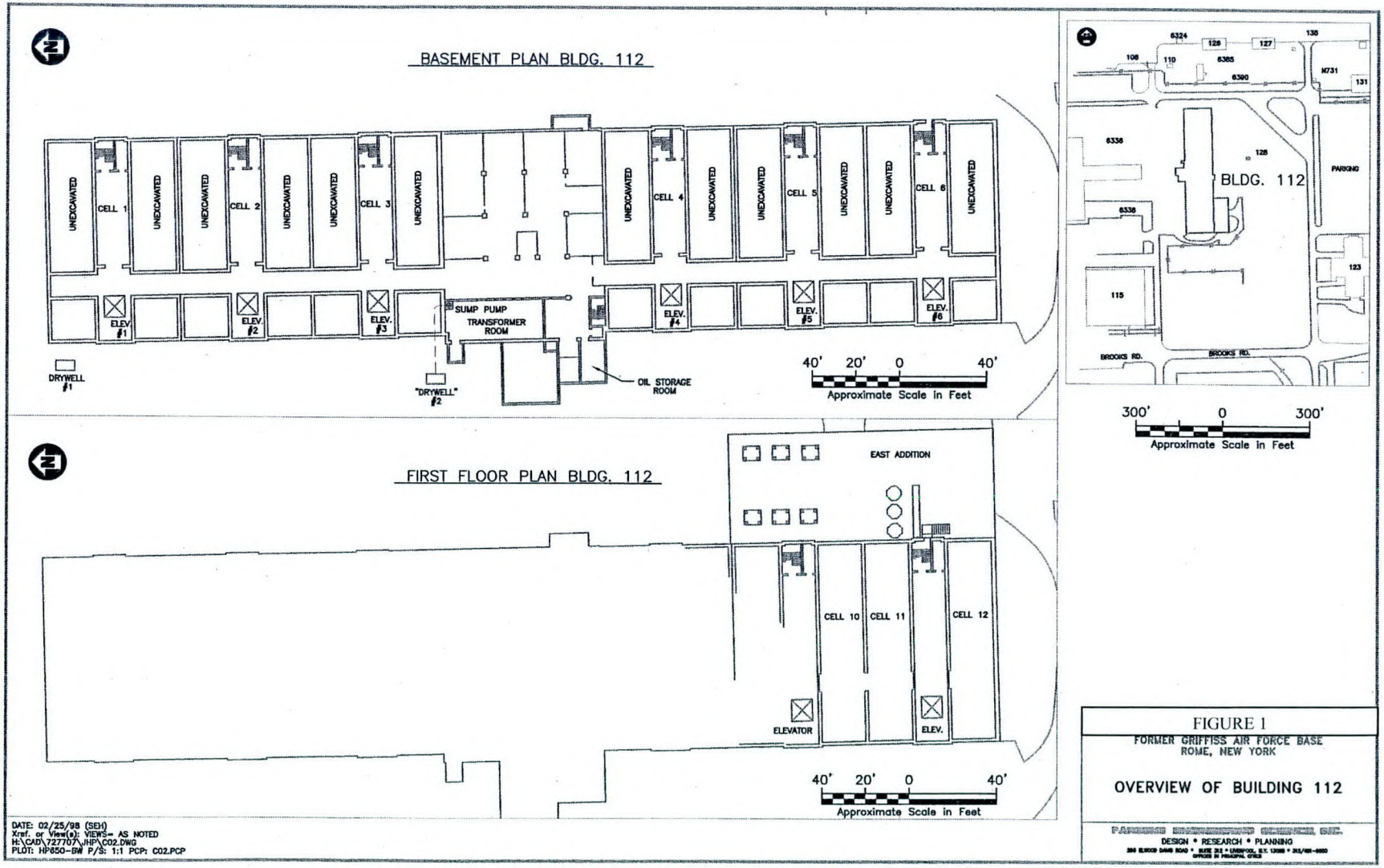
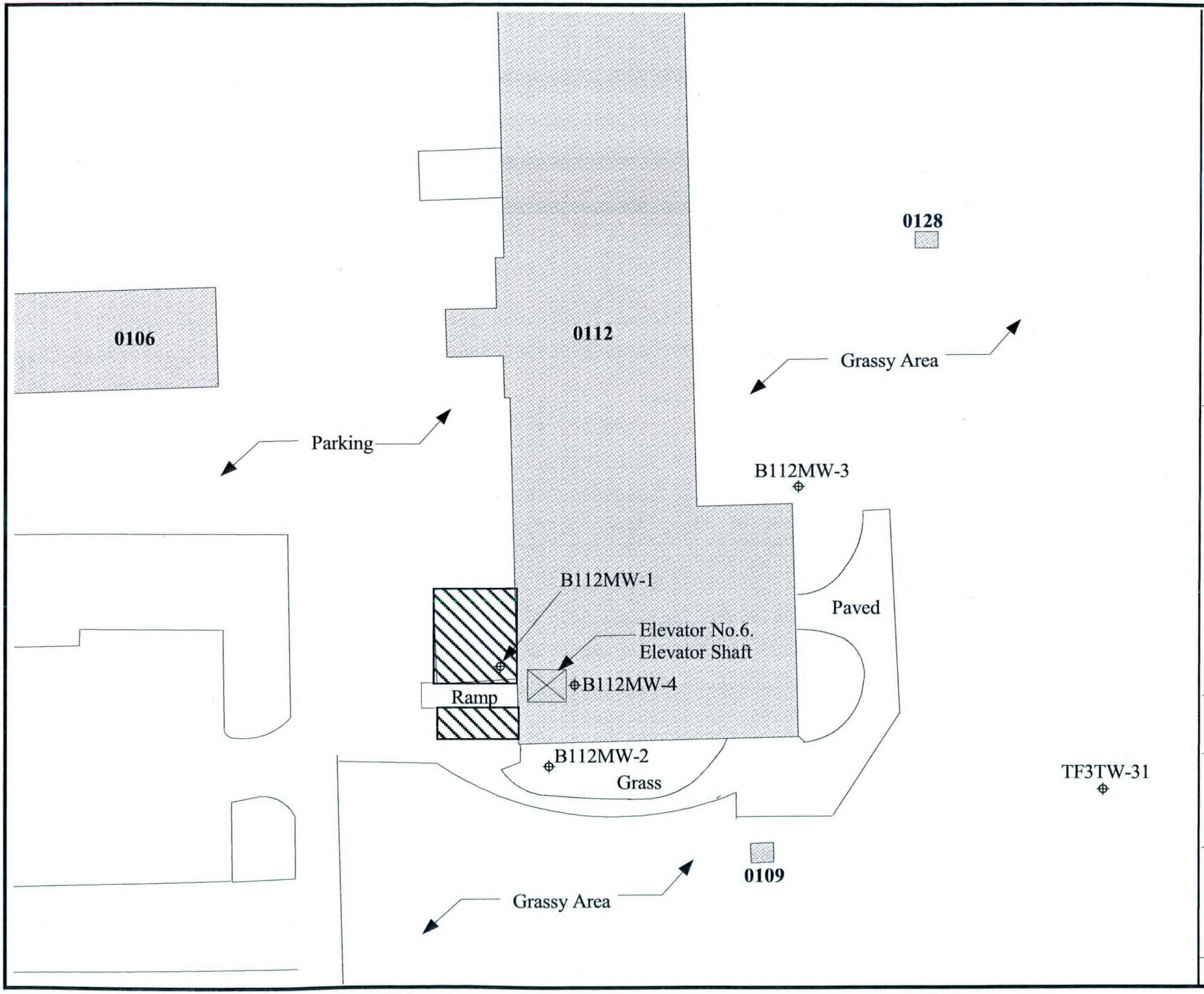


FIGURE 1
FORMER GRIFFISS AIR FORCE BASE
ROME, NEW YORK

OVERVIEW OF BUILDING 112

DESIGN • RESEARCH • PLANNING



N

BUILDING 112

Existing Monitoring Well

Roads

Existing Building and Facility Number

Approximate extent of PCB excavation area

UNITED STATES AIR FORCE
GRIFFISS AIR FORCE BASE
ROME, NEW YORK

20 0 20 40 Feet

Figure 2
Building 112
Location Map

FPM group

and Liability Act (CERCLA) (B112 Area of Concern) performed in 1999, when approximately 200-300 cubic yards of PCB-contaminated soil were removed (see Figure 2).

2.0 SAMPLING RESULTS

Confirmation sampling was performed on 7 November 2001 at monitoring well location B112MW-1 (Figure 2). The samples were collected using low-flow sampling techniques, USEPA Region II Ground Water Sampling Procedure, *Low Stress (Low Flow) Purging and Sampling*, March 1998) in order to decrease the influence of the turbidity on the PCB analysis results (and thereby attain a result for the *dissolved* PCB concentration in groundwater). Split samples were collected using a peristaltic pump; one sample was submitted to Severn Trent Laboratories (STL) and a split sample was given to a NYSDEC representative for independent analysis. The samples were analyzed for PCBs using EPA Method 8082. The results from the analysis by STL indicated no compounds were reported above their respective detection limits (Table 1).

Table 1
Building 112 PCB Analytical Results

Sample Location	**B112MW-1**
Sample ID	**112M0117AA**
Date of Collection	**11-07-01**
Sample Depth (ft BTOIC)	**17**
PCBs (µg/L)	
PCB-1016 (Arochlor 1016)	0.10 U
PCB-1221 (Arochlor 1221)	0.17 U
PCB-1232 (Arochlor 1232)	0.36 U
PCB-1242 (Arochlor 1242)	0.18 U
PCB-1248 (Arochlor 1248)	0.10 U
PCB-1254 (Arochlor 1254)	0.077 U
PCB-1260 (Arochlor 1260)	0.057 U

Notes:
U = Not detected above the associated value (corresponding to the detection limit).
BTOIC = Below top of inner casing.

3.0 CONCLUSIONS

Results indicate that no PCBs were detected above their respective method detection limit for the sample collected.

Based on these results, in conjunction with the results from four rounds of quarterly groundwater sampling, and considering that the apparent source was removed, continued groundwater monitoring is not required and site closure is recommended.

APPENDIX A

Well Sampling Forms

WELL PURGING & SAMPLING FORM

Project: 444-97-10 Sampled by: CMT/NVH

Location and Site Code (**SITENAME, SITEID**): B112

Well No. (**LOCID**): B112 MW-01 Well Diameter (**CASDIAM**): 2"

Date (**LOGDATE**): 11/7/01 Weather: Overcast 50°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

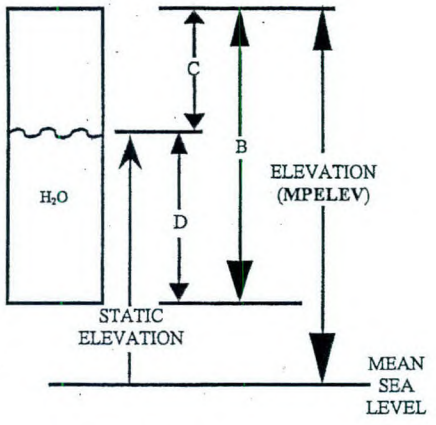
Measured Well Depth (B) (**TOTDEPTH**) 22.15 ft.

Measured Water Level Depth (C) (**STATDEP**) 17.45 ft.

Length of Static Water Column (D) _____ (B) - _____ (C) = _____ (D) ft.

Casing Water Volume (E) _____ (A) x _____ (D) = _____ gal

Total Purge Volume = _____ (gal)



Pump Intake ≈ 19 ft bgs.

Purge Date and Method: Low-Flow 11/7/01

Physical Appearance/Comments: Clear + colorless at first, no drawdown noted

clear + colorless at time of sampling.

FIELD MEASUREMENTS:

Time	Volume Removed (gal)	pH	EC (µS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Depth to water (ft bg)
1004	0.5	5.85	417	15.61	42.8	6.63	168	17.45
1010	1	6.06	410	15.44	18.4	5.34	165	17.45
1017	1.5	6.12	408	15.00	6.7	5.03	158	17.45
1025	2	6.29	399	15.31	4.6	4.99	149	17.45
1033	2.5	6.41	398	15.49	2.9	5.04	144	17.45
1038	3	6.47	397	15.53	2.1	5.75	139	17.45
1043	3.5	6.57	396	15.56	1.1	4.98	134	17.45
1048	4	6.66	395	15.57	0.8	4.94	130	17.45
1050	Sample	collected						

APPENDIX B

Laboratory Analysis Data

AFCEE
CHAIN OF CUSTODY RECORD

COC#: 1 SDG#: 1 Cooler ID: A

Ship to: ATTN: Mark Nemec Severn Trent Laboratories 10 Hazelwood Drive, Suite 106 Amherst, NY 14228-2298	Project Name: Griffiss AFB B112 Sampling Sampler Name: Connie van Hoesel	Send Results to: Niels van Hoesel FPM Group 153 Brooks Road Rome, NY 13441 Phone: (315) 336-7721
Carrier: FED Ex Airbill #: 8297 7268 0080	Sampler Signature: Connie van Hoesel	

Analyses Requested

Field Sample ID	Location ID (LOCID)	Date 2001	Time	MATRIX	SMCODE	SBD/SED	SACODE	Preservative	Filt./UnFilt.	No. of Containers	SW 8082 PCBs (No preserv.)		Comments
112M0117AA	B112-mw01	11/07	1050	WG	PP	0/0	N	--	Unf.	2	✓		
112M0100AE	FIELDQC	11/07	1130	WQ	G	0/0	EB	--	Unf.	1	✓		
		11/07				0/0			Unf.				
		11/07				0/0			Unf.				
		11/07				0/0			Unf.				
		11/07				0/0			Unf.				
		11/07				0/0			Unf.				
		11/07				0/0			Unf.				

Sample Condition Upon Receipt at Laboratory: Cooler temperature: 4

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 3.0
SW 8082: PCB analysis.

#1 Released by: (Sig)		Date:	#2 Released by: (Sig)		Date: 11/07/01	#3 Released by: (Sig)	Date:
Company Name:		Time	Company Name: FPM		Time 1700	Company Name:	Time
#1 Received by: (Sig)		Date 10/08/01	#2 Received by: (Sig) Tracy Jones		Date 11/8/01	#3 Received by: (Sig)	Date
Company Name:	FPM	Time: 1800	Company Name: STL		Time: 0830	Company Name:	Time:

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FR = Field Replicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

MATRIX
WG = Ground water
WQ= Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB).

0005

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: 8082 AAB #: A1B10191

Lab Name: STL Buffalo Contract #: F4162495D803

Base/Command: Griffiss Airforce Base Prime Contractor: Fanning, Phillips & Molna

Field Sample ID	Lab Sample ID
112M0100AE	A1B12102
112M0117AA	A1B12101

Comments:

See Case Narrative

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Kenneth E. Koperek for Name: Susan L. Mazur

Date: 12/19/2001 Title: Laboratory Director

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: 8082 AAB #: A1B10191

Lab Name: STL Buffalo Contract #: F4162495D803

Field Sample ID: 112M0117AA Lab Sample ID: A1B12101 Matrix: WATER

% Solids: Dilution: 1.00

Date Received: 8-Nov-2001 Date Extracted: 12-Nov-2001 Date Analyzed: 13-Nov-2001

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	MDL	PQL	Concentration	Qualifier
PCB-1016 (AROCHLOR 1016)	0.10	1.0	0.10	U
PCB-1221 (AROCHLOR 1221)	0.17	1.0	0.17	U
PCB-1232 (AROCHLOR 1232)	0.36	1.0	0.36	U
PCB-1242 (AROCHLOR 1242)	0.18	1.0	0.18	U
PCB-1248 (AROCHLOR 1248)	0.10	1.0	0.10	U
PCB-1254 (AROCHLOR 1254)	0.077	1.0	0.077	U
PCB-1260 (AROCHLOR 1260)	0.057	1.0	0.057	U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: 8082 AAB #: A1B10191

Lab Name: STL Buffalo Contract #: F4162495D803

Field Sample ID: 112M0100AE Lab Sample ID: A1B12102 Matrix: WATER

% Solids: Dilution: 1.00

Date Received: 8-Nov-2001 Date Extracted: 12-Nov-2001 Date Analyzed: 13-Nov-2001

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	MDL	PQL	Concentration	Qualifier
PCB-1016 (AROCHLOR 1016)	0.11	1.0	0.11	U
PCB-1221 (AROCHLOR 1221)	0.18	1.0	0.18	U
PCB-1232 (AROCHLOR 1232)	0.38	1.0	0.38	U
PCB-1242 (AROCHLOR 1242)	0.19	1.0	0.19	U
PCB-1248 (AROCHLOR 1248)	0.11	1.0	0.11	U
PCB-1254 (AROCHLOR 1254)	0.083	1.0	0.083	U
PCB-1260 (AROCHLOR 1260)	0.061	1.0	0.061	U

Comments:

DEPARTMENT OF THE AIR FORCE
AIR FORCE BASE CONVERSION AGENCY

RECEIVED
NYSDEC
NOV 30 2000
BUREAU OF RADIATION &
HAZARDOUS SITE MANAGEMENT
DIVISION OF SOLID &
HAZARDOUS MATERIALS

28 NOV 2000

MEMORANDUM FOR Mr. Kent Johnson
New York State Department of Environmental Conservation
Division of Solid and Hazardous Materials
Bureau of Hazardous Waste Facilities
50 Wolf Road
Albany NY 12233-7010

FROM: AFBCA/DA-Griffiss
Environmental Section
153 Brooks Road
Rome NY 13441-4105

SUBJECT: Building 112 Groundwater Sample Results, Griffiss AFB

1. Enclosed please find the results of the October 27, 2000 groundwater sampling effort (first round) for the Supplemental Groundwater Investigations at Building 112. As stated in the June 2000 report, a second round of sampling is scheduled for January 2001. Once the second round is completed, a final closure report for Building 112 will be forwarded for your approval.

2. If you have any questions, please contact Michael Wojnas, (315) 330-2275.

for MICHAEL F. MCDERMOTT
BRAC Environmental Coordinator

Enclosure:
October 27, 2000 Groundwater Sample Results

cc: M. Quinlin, OHM (w/o atch)

New York State Department of Environmental Conservation Division of Solid and Hazardous Materials
Bureau of Radiation & Hazardous Site Management, Room 460
50 Wolf Road, Albany, New York 12233-7255
Phone: (518) 457-9253 • FAX: (518) 457-9240
Website: www.dec.state.ny.us

John P. Cahill
Commissioner

April 21, 2000

Mr. Michael F. McDermott
BRAC Environmental Coordinator
AFBCA/DA-Griffiss
Environmental Section
153 Brooks Road
Rome NY, 13441-4105

Dear Mr. McDermott:

RE: Air National Guard Hazardous Waste Storage Areas

The New York State Department of Environmental Conservation (the Department) has received the "Draft Closure Report for the Air National Guard Hazardous Waste Satellite Storage Areas at the former Griffiss Air Force Base, Rome, New York". The closure report presents the results and recommended actions based on the sampling and remediation of five hazardous waste storage areas at the former Griffiss Air Force Base. Storage of materials at these areas was terminated in conjunction with dissolution of the Air National Guard Wing in October 1998.

Upon review of the report, the Department approves closure of the hazardous waste/hazardous material storage areas addressed in this report.

If you have any questions on this matter please call me at (518) 457-9253.

Sincerely,

Kent D. Johnson
Engineering Geologist II

cc: J. Reidy, USEPA Region II
T. Tyoe, Region 6
J. Greco, DHWR

KJ/hmp
JohnsonAngclos.wpd

OHM Remediation Services Corp.
88C Elm Street
Hopkinton, MA 01748-1656
Tel. 508.435.9561
Fax. 508.435.9641

A Member of The IT Group

RECEIVED
NYSDEC
NOV 30 2000
BUREAU OF RADIATION &
HAZARDOUS SITE MANAGEMENT
DIVISION OF SOLID &
HAZARDOUS MATERIALS

November 20, 2000

Mr. Michael Wojnas
AFBCA/OL-X
Environmental Section
153 Brooks Road
Rome, New York 13441-4105

Re: Contract No. F41624-94-D-8106
Delivery Order No. 0007, Griffiss AFB, New York
Groundwater Sample Results for Bldg. 112 – 27 October 2000

Dear Mr. Wojnas:

Attached are the results for the groundwater samples collected by OHM Remediation Services Corp. (OHM) from the four monitoring wells (MWs) at Building 112 at the former Griffiss Air Force Base (AFB) in Rome, New York. All sampling was conducted on 27 October 2000. The site location is shown on Figure 1. MW locations are shown on Figure 2.

All groundwater samples were analyzed for polychlorinated biphenyls (PCBs) by U.S. Environmental Protection Agency (EPA) Method 8082. Analytical results were compared to the groundwater standard of 0.1 micrograms per liter (µg/L) presented in New York State Department of Environmental Conservation (NYSDEC) Technical & Operational Guidance Series 1.1.1 document entitled "Ambient Water Quality Standards and Guidance Values" (TOGS 1.1.1), dated 10/22/93. Groundwater elevation data and total PCB results are presented in Table 1.0. The laboratory analytical summary report is included as Attachment A.

Three to five well volumes were purged from MW01, -03 and -04. MW02 was purged dry once and then sampled. All purge water was discharged to the sanitary sewer. The decision to discharge to the sanitary sewer was based on past analytical results and approvals from the City of Rome Water Pollution Control Facility.

TABLE 1.0 ANALYTICAL RESULTS AND GROUNDWATER ELEVATIONS		
WELL ID	**Groundwater Elevations**	**Total PCBs (µg/L)**
	27-Oct-00	**27-Oct-00**
B112-MW01	458.14	ND (<0.052)
B112-MWdup		0.047 J
B112-MW02	458.05	ND (<0.052)
B112-MW03	458.08	ND (<0.052)
B112-MW04	458.07	ND (<0.051)

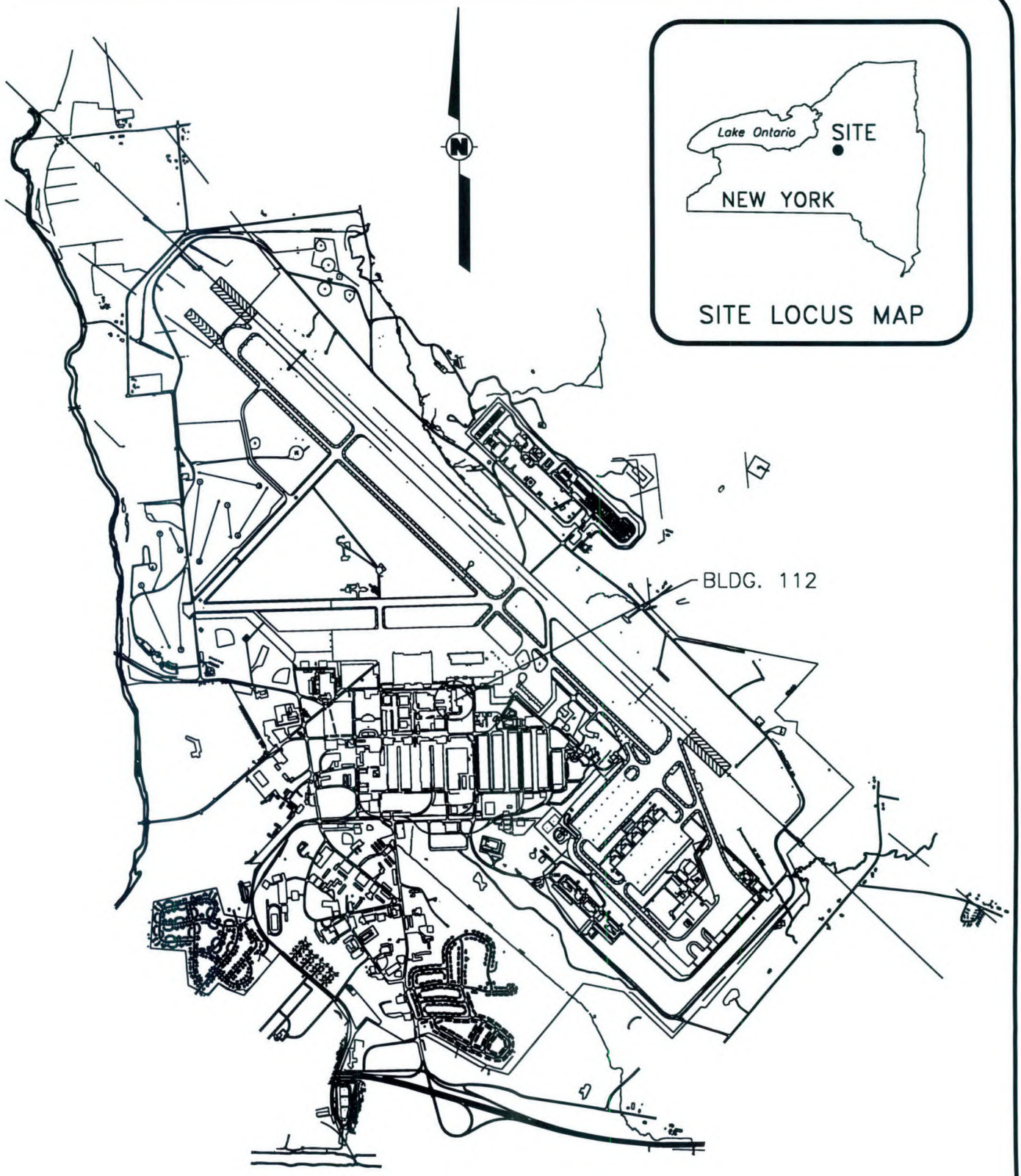
The sampling results show that PCBs were not present above the practical quantitation limit (PQL) in any of the four Bldg. 112 MWs. PCBs were detected below the PQL at an estimated concentration of 0.047 µg/L in sample B112-MWdup. This sample was a duplicate collected from B112-MW1. PCBs were previously detected in this well at an estimated concentration of 0.118 µg/L on 11 January 2000. Data generated during this groundwater sampling event will be incorporated into the Final Building 112 Report. Please contact me at (508) 497-6130 with any questions or concerns regarding this letter report.

Sincerely,
OHM Remediation Services Corp.

Michael G. Quinlan
Project Manager

cc: Roy Willis - AFCEE/ERB
Project File – 917549

FIGURES



CAD File: 917549-A7

Plot Scale: 1 = 1 revision 0

OHM Remediation Services Corp.

OHM Project No. 917549

Drawn By:	Checked By:	Approved By:
S. McGinn	M. Quinlan	M. Quinlan
Date:	Scale:	Drawing No.
11/17/00	NOT TO SCALE	917549-A01

FIGURE 1

BLDG. 112 SITE LOCATION MAP

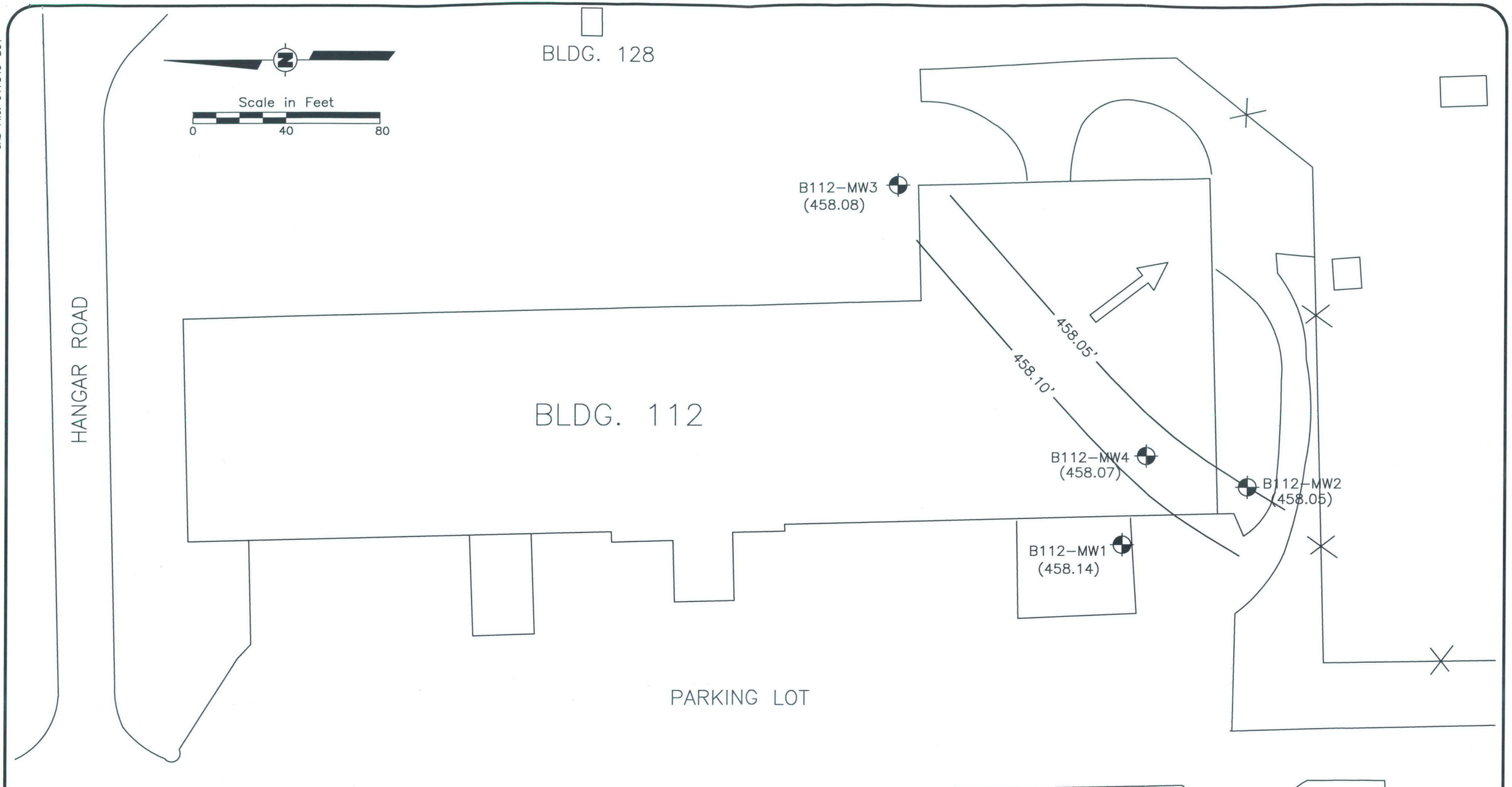
FORMER GRIFFISS AIR FORCE BASE
ROME, NEW YORK

PREPARED FOR

AFCEE
BROOKS AIR FORCE BASE, TEXAS

CAD File: 917549-B01

Plot Scale: 1 = 40 revision 0



General Notes and Legend

B112–MW2 (458.05)	MONITORING WELL WITH TOP OF GROUNDWATER ELEVATION
	APPROXIMATE GROUNDWATER FLOW DIRECTION

No.	Revision/Issue	Date

OHM Remediation Services Corp.
OHM Project No. 917549

Drawn By:	Checked By:	Approved By:
S. McGinn	M. Quinlan	M. Quinlan
Date: 11/17/00	Scale: AS SHOWN	Drawing No. 917549–B01

FIGURE 2
BLDG. 112 TOP OF GROUNDWATER MAP
27 OCTOBER 2000
FORMER GRIFFISS AIR FORCE BASE
ROME, NEW YORK
PREPARED FOR
AIR FORCE CENTER
FOR ENVIRONMENTAL EXCELLENCE
BROOKS AIR FORCE BASE, TEXAS

ATTACHMENT A

ANALYTICAL SUMMARY REPORT

O'Brien & Gere Laboratories,Inc.

Analytical Results Method: 8082

Client: IT Corporation
Project: Griffiss AFB, NY
Proj. Desc: F41624-94-D-8106/0007

Job No.: 6797.408.517
Certification NY No.: 10155

Sample: R4826
Samp. Description: B112-MW01
Primary column: Y
Units: ug/L
Column: DB-608, 30m x .53mm ID
Dilution: 1 Instrument: HP5890-89

Collected: 10/27/00
Received: 10/27/00
Prepared: 11/02/00
Analyzed: 11/04/00

Matrix: Water
QC Batch: 110200W1
%Solids:
Sample Size: .97 L

Number of analytes: 7

Parameter	Result	Qual	Col	Notes
PCB-1016	< .052	U	1	
PCB-1221	< .052	U	1	
PCB-1232	< .052	U	1	
PCB-1242	< .052	U	1	
PCB-1248	< .052	U	1	
PCB-1254	< .052	U	1	
PCB-1260	< .052	U	1	

Surrogate	Result	Qual	Col	Limits	Notes
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	70.%		1	45-125	
Decachlorobiphenyl (surrogate)	32.%		1	#34-133	

Notes:

- Outside control limits U - Undetected at the reported level.
J - reported value is estimated.
E - concentration exceeded the calibration range and is estimated.

Authorized: _____
Date: November 7,2000 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8082

Client: IT Corporation
Project: Griffiss AFB, NY
Proj. Desc: F41624-94-D-8106/0007

Job No.: 6797.408.517
Certification NY No.: 10155

Sample: R4825
Samp. Description: B112-MW02
Primary column: Y
Units: ug/L
Column: DB-608, 30m x .53mm ID
Dilution: 1 Instrument: HP5890-89

Collected: 10/27/00
Received: 10/27/00
Prepared: 11/03/00
Analyzed: 11/04/00

Matrix: Water
QC Batch: 110300W1
%Solids:
Sample Size: .96 L

Number of analytes: 7

Parameter	Result	Qual	Col	Notes
PCB-1016	< .052	U	1	
PCB-1221	< .052	U	1	
PCB-1232	< .052	U	1	
PCB-1242	< .052	U	1	
PCB-1248	< .052	U	1	
PCB-1254	< .052	U	1	
PCB-1260	< .052	U	1	

Surrogate	Result	Qual	Col	Limits	Notes
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	76.%		1	45-125	
Decachlorobiphenyl (surrogate)	46.%		1	34-133	

Notes:

- Outside control limits U - Undetected at the reported level.
J - reported value is estimated.
E - concentration exceeded the calibration range and is estimated.

Authorized: _____
Date: November 9,2000 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8082

Client: IT Corporation
Project: Griffiss AFB, NY
Proj. Desc: F41624-94-D-8106/0007

Job No.: 6797.408.517
Certification NY No.: 10155

Sample: R4824
Samp. Description: B112-MW03
Primary column: Y
Units: ug/L
Column: DB-608, 30m x .53mm ID
Dilution: 1 Instrument: HP5890-89

Collected: 10/27/00
Received: 10/27/00
Prepared: 11/02/00
Analyzed: 11/03/00

Matrix: Water
QC Batch: 110200W1
%Solids:
Sample Size: .96 L

Number of analytes: 7

Parameter	Result	Qual	Col	Notes
PCB-1016	< .052	U	1	
PCB-1221	< .052	U	1	
PCB-1232	< .052	U	1	
PCB-1242	< .052	U	1	
PCB-1248	< .052	U	1	
PCB-1254	< .052	U	1	
PCB-1260	< .052	U	1	

Surrogate	Result	Qual	Col	Limits	Notes
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	64.%		1	45-125	
Decachlorobiphenyl (surrogate)	39.%		1	34-133	

Notes:

To: Mike Quinlan
Co: OHM/IT
Fax # (508) 435-9641 Job#: 6797
Pages: From: Monika Santucci
OBG LABS (315) 437-0200/463-7554 FAX

- Outside control limits U - Undetected at the reported level.
J - reported value is estimated.
E - concentration exceeded the calibration range and is estimated.

Authorized:
Date: November 7,2000 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8082

Client: IT Corporation
Project: Griffiss AFB, NY
Proj. Desc: F41624-94-D-8106/0007

Job No.: 6797.408.517
Certification NY No.: 10155

Sample: R4828
Samp. Description: B112-MW04
Primary column: Y
Units: ug/L
Column: DB-608, 30m x .53mm ID
Dilution: 1 Instrument: HP5890-89

Collected: 10/27/00
Received: 10/27/00
Prepared: 11/02/00
Analyzed: 11/04/00

Matrix: Water
QC Batch: 110200W1
%Solids:
Sample Size: .98 L

Number of analytes: 7

Parameter	Result	Qual	Col	Notes
PCB-1016	< .051	U	1	
PCB-1221	< .051	U	1	
PCB-1232	< .051	U	1	
PCB-1242	< .051	U	1	
PCB-1248	< .051	U	1	
PCB-1254	< .051	U	1	
PCB-1260	< .051	U	1	

Surrogate	Result	Qual	Col	Limits	Notes
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	78.%		1	45-125	
Decachlorobiphenyl (surrogate)	58.%		1	34-133	

Notes:

- Outside control limits U - Undetected at the reported level.
J - reported value is estimated.
E - concentration exceeded the calibration range and is estimated.

Authorized: _____
Date: November 7,2000 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8082

Client: IT Corporation
Project: Griffiss AFB, NY
Proj. Desc: F41624-94-D-8106/0007

Job No.: 6797.408.517
Certification NY No.: 10155

Sample: R4827
Samp. Description: B112-MWDup
Primary column: Y
Units: ug/L
Column: DB-608, 30m x .53mm ID
Dilution: 1 Instrument: HP5890-89

Collected: 10/27/00
Received: 10/27/00
Prepared: 11/02/00
Analyzed: 11/04/00

Matrix: Water
QC Batch: 110200W1
%Solids:
Sample Size: .98 L

Number of analytes: 7

Parameter	Result	Qual	Col	Notes
PCB-1016	< .051	U	1	
PCB-1221	< .051	U	1	
PCB-1232	< .051	U	1	
PCB-1242	< .051	U	1	
PCB-1248	< .051	U	1	
PCB-1254	< .051	U	1	
PCB-1260	J .047	J	1	

Surrogate	Result	Qual	Col	Limits	Notes
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	59.%		1	45-125	
Decachlorobiphenyl (surrogate)	34.%		1	34-133	

Notes:

- Outside control limits U - Undetected at the reported level.
J - reported value is estimated.
E - concentration exceeded the calibration range and is estimated.

Authorized: _____
Date: November 7,2000 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8082

Client: IT Corporation
Project: Griffiss AFB, NY
Proj. Desc: F41624-94-D-8106/0007

Job No.: 6797.408.517
Certification NY No.: 10155

Sample: R4829
Samp. Description: B112-MWE03
Primary column: Y
Units: ug/L
Column: DB-608, 30m x .53mm ID
Dilution: 1 Instrument: HP5890-89

Collected: 10/27/00
Received: 10/27/00
Prepared: 11/02/00
Analyzed: 11/04/00

Matrix: Water
QC Batch: 110200W1
%Solids:
Sample Size: .975 L

Number of analytes: 7

Parameter	Result	Qual	Col	Notes
PCB-1016	< .051	U	1	
PCB-1221	< .051	U	1	
PCB-1232	< .051	U	1	
PCB-1242	< .051	U	1	
PCB-1248	< .051	U	1	
PCB-1254	< .051	U	1	
PCB-1260	< .051	U	1	

Surrogate	Result	Qual	Col	Limits	Notes
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	77.%		1	45-125	
Decachlorobiphenyl (surrogate)	76.%		1	34-133	

Notes:

- Outside control limits U - Undetected at the reported level.
J - reported value is estimated.
E - concentration exceeded the calibration range and is estimated.

Authorized: _____
Date: November 7,2000 Monika Santucci

O'Brien & Gere Laboratories, Inc.

5000 Brittonfield Parkway
East Syracuse, New York 13057
(315) 437-0200

Chain of Custody

Client: IT CORPORATION

Project: GRIFFISS AFB

Sampled by: M. QUINLAN; TOM LECALVEZ

Client Contact: MIKE QUINLAN **Phone #** 508.497.6130

Analysis/Method

Sample Description

Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	PCBs - EPA 8082							Comments
B112-MW03	10-27-00	0925	WATER	Grab	2	X							
B112-MW03MS	10-27-00	~~0925~~	WATER	Grab	2	X							Matrix Spike
B112-MW03 MSD	10-27-00	0925	WATER	Grab	2	X							Matrix Spike Dup
B112-MW02	10-27-00	1015	WATER	Grab	2	X							
B112-MW01	10-27-00	1030	WATER	Grab	2	X							
B112-MWDUP	10-27-00	—	WATER	Grab	2	X							Field Dup
B112-MW04	10-27-00	1105	WATER	Grab	2	X							
B112-MWE03	10-27-00	1120	WATER	Grab	2	X							Equip Rinsate

Relinquished by: Michael A Lick	**Date:** 10/27/00	**Time:** 1200	**Received by:**	**Date:**	**Time:**
Relinquished by:	**Date:**	**Time:**	**Received by:**	**Date:**	**Time:**
Relinquished by:	**Date:**	**Time:**	**Received by Lab:**	**Date:**	**Time:**
Shipment Method:			**Airbill Number:**		

Turnaround Time Required:
Routine Per Contract
Rush (Specify)_____

Comments:

Cooler Temperature:_____

Original-Laboratory Copy-Client

DEPARTMENT OF THE AIR FORCE
AIR FORCE BASE CONVERSION AGENCY

26 APR 2000

RECEIVED
NYSDEC
APR 27 2000
BUREAU OF RADIATION & HAZARDOUS SITE MANAGEMENT
DIVISION OF SOLID & HAZARDOUS MATERIALS

MEMORANDUM FOR Mr. Paul R. Counterman, P.E., Chief
Attn: Mr. Kent Johnson
New York State Department of Environmental Conservation
Bureau of Western Hazardous Waste Programs
Division of Hazardous Substances Regulation
50 Wolf Road
Albany NY 12233-7010

FROM: AFBCA/DA-Griffiss
Environmental Section
153 Brooks Road
Rome NY 13441-4105

SUBJECT: Building 35 Hazardous Waste Storage Facility Closure, Griffiss AFB
DEC Permit Number: 6-3013-00063/00020

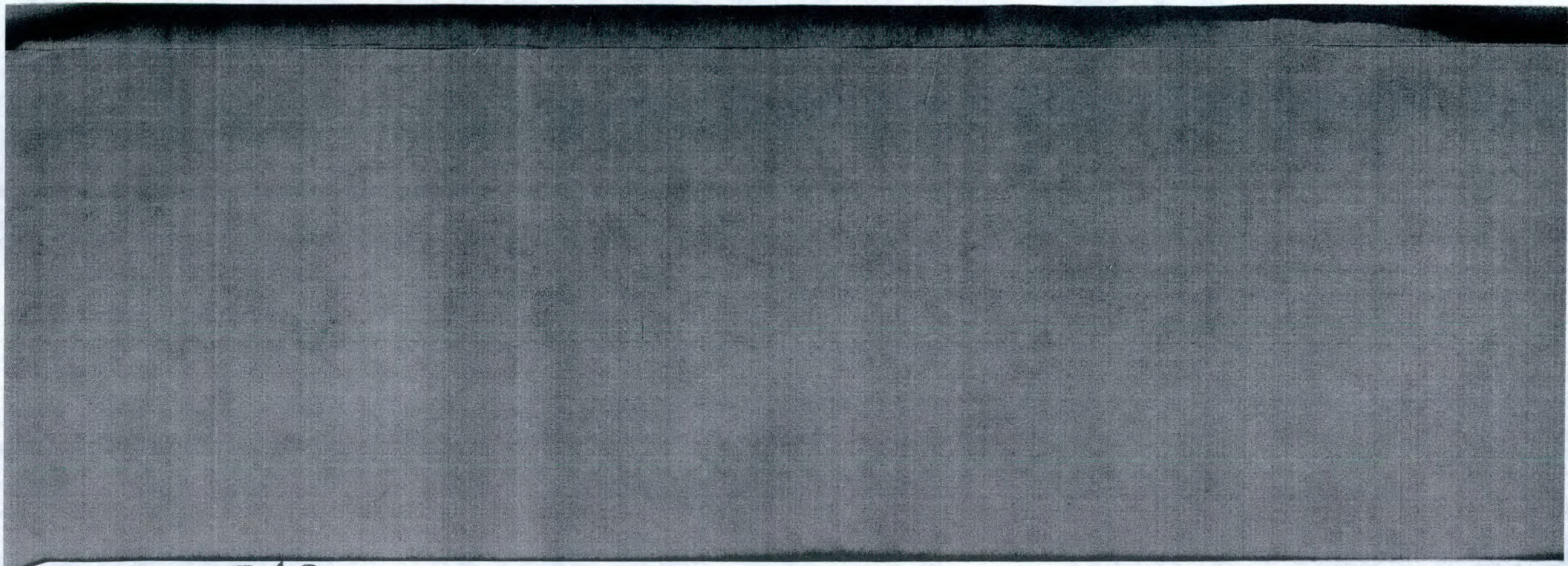
1. In reference to your December 8, 1999 correspondence, enclosed please find two (2) sets of inserts for the final Building 35 Closure Report. The inserts are provided based on the approval of the draft October 1999 report and include an updated title page, a signed and stamped closure certification statement (Section 7) and an updated cover and spine for the report binder.

2. Please begin proceedings for termination of NYSDEC permit number 6-3013-00063/00020-0. If you have any questions, please contact Michael Wojnas, (315) 330-2275.

MICHAEL F. MCDERMOTT
BRAC Environmental Coordinator

Attachment:
Final B/35 Closure Report Inserts

cc: W.Brower, AFCEE (w/o atch)
M.Quinlan, IT/OHM (w/o atch)



GIRIFFISS

1993-1998

Recra LabNet - Lionville Laboratory

Volatiles by GC/MS, HSL List

RFW Batch Number: **9807L066** Client: **NYSDEC** Work Order: 01667600001 Report Date: 11/29/98 11:32 Page: 1a

Sample Information	Cust ID:	NF698070501	NF698070501	NF698070501	NF698070502	NF698070503	TRIP BLANK
	RFW#:	001	001 MS	001 MSD	002	003	004
	Matrix:	WATER	WATER	WATER	WATER	WATER	WATER
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Surrogate Recovery	Toluene-d8	102 %	102 %	101 %	103 %	104 %	103 %
	Bromofluorobenzene	99 %	98 %	102 %	102 %	102 %	101 %
	1,2-Dichloroethane-d4	96 %	92 %	100 %	100 %	99 %	96 %
Chloromethane		10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane		10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride		10 U	10 U	10 U	2 J	5 J	10 U
Chloroethane		10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride		5 B	6 B	4 JB	4 JB	5 B	6 B
Acetone		5 JB	10 U	10 U	10 U	5 JB	7 JB
Carbon Disulfide		5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene		5 U	82 %	78 %	5 U	5 U	5 U
1,1-Dichloroethane		5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)		5 U	5 U	5 U	8	39	5 U
Chloroform		5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane		5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone		10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane		5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride		5 U	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane		5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane		5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene		5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene		2 J	86 %	90 %	5 U	2 J	5 U
Dibromochloromethane		5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane		5 U	5 U	5 U	5 U	5 U	5 U
Benzene		5 U	92 %	96 %	5 U	5 U	5 U
Trans-1,3-Dichloropropene		5 U	5 U	5 U	5 U	5 U	5 U
Bromoform		5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone		10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone		10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene		5 U	5 U	5 U	5 U	2 J	5 U
1,1,2,2-Tetrachloroethane		5 U	5 U	5 U	5 U	5 U	5 U
Toluene		5 U	94 %	94 %	5 U	5 U	5 U

*= Outside of EPA CLP QC limits.

RFW Batch Number: 9807L066 Client: NYSDEC Work Order: 01667600001 Page: 1b

	Cust ID:	NF698070501	NF698070501	NF698070501	NF698070502	NF698070503	TRIP BLANK
	RFW#:	001	001 MS	001 MSD	002	003	004
Chlorobenzene		5 U	93 %	95 %	5 U	5 U	5 U
Ethylbenzene		5 U	5 U	5 U	5 U	5 U	5 U
Styrene		5 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)		5 U	5 U	5 U	5 U	5 U	5 U

*= Outside of EPA CLP QC limits.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NF698070501

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9807L066-001

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: h080311

Level: (low/med) LOW Date Received: 07/29/98

% Moisture: not dec. _____ Date Analyzed: 08/03/98

GC Column: ID: ____(mm) Dilution Factor: 1.00

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

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NF698070502

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9807L066-002

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: h080314

Level: (low/med) LOW Date Received: 07/29/98

% Moisture: not dec. _____ Date Analyzed: 08/03/98

GC Column: ID: ____(mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	2	J
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	4	JB
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	8	
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NF698070503

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9807L066-003

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: h080315

Level: (low/med) LOW Date Received: 07/29/98

% Moisture: not dec. _____ Date Analyzed: 08/03/98

GC Column: ID: ____(mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	5	J
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	B
67-64-1	Acetone	5	JB
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	39	
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	J
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	2	J
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NF698070503

Lab Name: Recra.LabNet Work Order: 01667600001

Client: NYSDEC

Matrix: (soil/water) WATER Lab Sample ID: 9807L066-003

Sample wt/vol: 950 (g/mL) ML Lab File ID: A082312

Level: (low/med) LOW Date Received: 07/29/98

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 07/30/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/23/98

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	11	U
111-44-4	bis(2-Chloroethyl)ether	11	U
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11	U
106-44-5	4-Methylphenol	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	26	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	26	U
131-11-3	Dimethylphthalate	11	U
208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U
99-09-2	3-Nitroaniline	26	U
83-32-9	Acenaphthene	11	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NF698070503

Lab Name: Recra.LabNet Work Order: 01667600001

Client: NYSDEC

Matrix: (soil/water) WATER Lab Sample ID: 9807L066-003

Sample wt/vol: 950 (g/mL) ML Lab File ID: A082312

Level: (low/med) LOW Date Received: 07/29/98

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 07/30/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/23/98

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	26	U
100-02-7	4-Nitrophenol	26	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
84-66-2	Diethylphthalate	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	N-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
86-74-8	Carbazole	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	11	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U
117-84-0	Di-n-octyl phthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

(1) - Cannot be separated from Diphenylamine

1F

CLIENT SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NF698070503

Lab Name: Recra.LabNet Work Order: 01667600001

Client: NYSDEC

Matrix: (soil/water) WATER Lab Sample ID: 9807L066-003

Sample wt/vol: 950 (g/mL) ML Lab File ID: A082312

Level: (low/med) LOW Date Received: 07/29/98

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 07/30/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/23/98

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 3 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	7.59	3	J
2.		UNKNOWN	22.62	9	J
3.		UNKNOWN	43.64	20	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NF698070502

Lab Name: Recra.LabNet Work Order: 01667600001

Client: NYSDEC

Matrix: (soil/water) WATER Lab Sample ID: 9807L066-002

Sample wt/vol: 980 (g/mL) ML Lab File ID: A082311

Level: (low/med) LOW Date Received: 07/29/98

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 07/30/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/23/98

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	26	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	26	U
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NF698070502

Lab Name: Recra.LabNet Work Order: 01667600001

Client: NYSDEC

Matrix: (soil/water) WATER Lab Sample ID: 9807L066-002

Sample wt/vol: 980 (g/mL) ML Lab File ID: A082311

Level: (low/med) LOW Date Received: 07/29/98

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 07/30/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/23/98

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	26	U
100-02-7	4-Nitrophenol	26	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	0.7	J
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	1	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	7	JB
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

NF698070502

Lab Name: Recra.LabNet Work Order: 01667600001

Client: NYSDEC

Matrix: (soil/water) WATER Lab Sample ID: 9807L066-002

Sample wt/vol: 980 (g/mL) ML Lab File ID: A082311

Level: (low/med) LOW Date Received: 07/29/98

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 07/30/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/23/98

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 15 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	6.74	5	J
2.		UNKNOWN	6.96	3	JB
3.		UNKNOWN	7.01	8	JB
4.		UNKNOWN	7.24	5	J
5.		UNKNOWN	7.44	8	J
6.		UNKNOWN	7.59	10	J
7.		UNKNOWN	7.88	8	J
8.		UNKNOWN	11.53	3	J
9.		UNKNOWN	13.33	3	JB
10.		UNKNOWN	19.53	3	J
11.		UNKNOWN	19.56	3	J
12.		UNKNOWN	21.57	2	J
13.		UNKNOWN	22.66	20	J
14.		UNKNOWN	42.21	4	J
15.		UNKNOWN	42.23	7	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NF698070501

Lab Name: Recra.LabNet Work Order: 01667600001

Client: NYSDEC

Matrix: (soil/water) WATER Lab Sample ID: 9807L066-001

Sample wt/vol: 920 (g/mL) ML Lab File ID: A082310

Level: (low/med) LOW Date Received: 07/29/98

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 07/30/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/23/98

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	11	U
111-44-4	bis(2-Chloroethyl)ether	11	U
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11	U
106-44-5	4-Methylphenol	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	27	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	27	U
131-11-3	Dimethylphthalate	11	U
208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U
99-09-2	3-Nitroaniline	27	U
83-32-9	Acenaphthene	11	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NF698070501

Lab Name: Recra.LabNet Work Order: 01667600001

Client: NYSDEC

Matrix: (soil/water) WATER Lab Sample ID: 9807L066-001

Sample wt/vol: 920 (g/mL) ML Lab File ID: A082310

Level: (low/med) LOW Date Received: 07/29/98

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 07/30/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/23/98

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	27	U
100-02-7	4-Nitrophenol	27	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
84-66-2	Diethylphthalate	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	27	U
534-52-1	4,6-Dinitro-2-methylphenol	27	U
86-30-6	N-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	27	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
86-74-8	Carbazole	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	11	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	3	JB
117-84-0	Di-n-octyl phthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

NF698070501

Lab Name: Recra.LabNet Work Order: 01667600001

Client: NYSDEC

Matrix: (soil/water) WATER Lab Sample ID: 9807L066-001

Sample wt/vol: 920 (g/mL) ML Lab File ID: A082310

Level: (low/med) LOW Date Received: 07/29/98

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 07/30/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/23/98

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 5 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	7.00	2	JB
2.		UNKNOWN	7.45	6	J
3.		UNKNOWN	7.60	4	J
4.		UNKNOWN	8.26	8	J
5.		UNKNOWN	22.63	3	J

Recra LabNet - Lionville Laboratory

Semivolatiles by GC/MS, HSL List

RFW Batch Number: **9807L066** Client: **NYSDEC** Work Order: 01667600001 Report Date: 02/02/99 09:21 Page: 1a

	Cust ID:	NF698070501	NF698070502	NF698070503	SBLKFU	SBLKFU BS	SBLKFU BSD
Sample Information	RFW#:	001	002	003	98LE1272-MB1	98LE1272-MB1	98LE1272-MB1
	Matrix:	WATER	WATER	WATER	WATER	WATER	WATER
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Surrogate Recovery	Nitrobenzene-d5	78 %	268 * %	71 %	73 %	65 %	73 %
	2-Fluorobiphenyl	75 %	214 * %	66 %	61 %	64 %	64 %
	Terphenyl-d14	69 %	174 * %	57 %	64 %	64 %	62 %
	Phenol-d5	79 %	242 * %	65 %	64 %	62 %	58 %
	2-Fluorophenol	75 %	257 * %	62 %	69 %	63 %	65 %
	2,4,6-Tribromophenol	79 %	298 * %	66 %	72 %	61 %	63 %
Phenol		11 U	10 U	11 U	10 U	65 %	65 %
bis(2-Chloroethyl)ether		11 U	10 U	11 U	10 U	10 U	10 U
2-Chlorophenol		11 U	10 U	11 U	10 U	66 %	68 %
1,3-Dichlorobenzene		11 U	10 U	11 U	10 U	10 U	10 U
1,4-Dichlorobenzene		11 U	10 U	11 U	10 U	44 %	57 %
1,2-Dichlorobenzene		11 U	10 U	11 U	10 U	10 U	10 U
2-Methylphenol		11 U	10 U	11 U	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)		11 U	10 U	11 U	10 U	10 U	10 U
4-Methylphenol		11 U	10 U	11 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine		11 U	10 U	11 U	10 U	55 %	55 %
Hexachloroethane		11 U	10 U	11 U	10 U	10 U	10 U
Nitrobenzene		11 U	10 U	11 U	10 U	10 U	10 U
Isophorone		11 U	10 U	11 U	10 U	10 U	10 U
2-Nitrophenol		11 U	10 U	11 U	10 U	10 U	10 U
2,4-Dimethylphenol		11 U	10 U	11 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane		11 U	10 U	11 U	10 U	10 U	10 U
2,4-Dichlorophenol		11 U	10 U	11 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene		11 U	10 U	11 U	10 U	50 %	61 %
Naphthalene		11 U	10 U	11 U	10 U	10 U	10 U
4-Chloroaniline		11 U	10 U	11 U	10 U	10 U	10 U
Hexachlorobutadiene		11 U	10 U	11 U	10 U	10 U	10 U
4-Chloro-3-methylphenol		11 U	10 U	11 U	10 U	62 %	67 %
2-Methylnaphthalene		11 U	10 U	11 U	10 U	10 U	10 U
Hexachlorocyclopentadiene		11 U	10 U	11 U	10 U	10 U	10 U
2,4,6-Trichlorophenol		11 U	10 U	11 U	10 U	10 U	10 U
2,4,5-Trichlorophenol		27 U	26 U	26 U	25 U	25 U	25 U

*= Outside of EPA CLP QC limits.

RFW Batch Number: **9807L066** Client: **NYSDEC** Work Order: 01667600001 Page: 1b

Cust ID:	NF698070501		NF698070502		NF698070503		SBLKFU		SBLKFU BS		SBLKFU BSD	
RFW#:	001		002		003		98LE1272-MB1		98LE1272-MB1		98LE1272-MB1	
2-Chloronaphthalene	11	U	10	U	11	U	10	U	10	U	10	U
2-Nitroaniline	27	U	26	U	26	U	25	U	25	U	25	U
Dimethylphthalate	11	U	10	U	11	U	10	U	10	U	10	U
Acenaphthylene	11	U	10	U	11	U	10	U	10	U	10	U
2,6-Dinitrotoluene	11	U	10	U	11	U	10	U	10	U	10	U
3-Nitroaniline	27	U	26	U	26	U	25	U	25	U	25	U
Acenaphthene	11	U	10	U	11	U	10	U	62	%	67	%
2,4-Dinitrophenol	27	U	26	U	26	U	25	U	25	U	25	U
4-Nitrophenol	27	U	26	U	26	U	25	U	61	%	65	%
Dibenzofuran	11	U	10	U	11	U	10	U	10	U	10	U
2,4-Dinitrotoluene	11	U	10	U	11	U	10	U	62	%	64	%
Diethylphthalate	11	U	0.7	J	11	U	10	U	10	U	10	U
4-Chlorophenyl-phenylether	11	U	10	U	11	U	10	U	10	U	10	U
Fluorene	11	U	10	U	11	U	10	U	10	U	10	U
4-Nitroaniline	27	U	26	U	26	U	25	U	25	U	25	U
4,6-Dinitro-2-methylphenol	27	U	26	U	26	U	25	U	25	U	25	U
N-Nitrosodiphenylamine (1)	11	U	10	U	11	U	10	U	10	U	10	U
4-Bromophenyl-phenylether	11	U	10	U	11	U	10	U	10	U	10	U
Hexachlorobenzene	11	U	10	U	11	U	10	U	10	U	10	U
Pentachlorophenol	27	U	26	U	26	U	25	U	63	%	46	%
Phenanthrene	11	U	10	U	11	U	10	U	10	U	10	U
Anthracene	11	U	10	U	11	U	10	U	10	U	10	U
Carbazole	11	U	10	U	11	U	10	U	10	U	10	U
Di-n-butylphthalate	11	U	1	J	11	U	10	U	10	U	10	U
Fluoranthene	11	U	10	U	11	U	10	U	10	U	10	U
Pyrene	11	U	10	U	11	U	10	U	68	%	65	%
Butylbenzylphthalate	11	U	10	U	11	U	10	U	10	U	10	U
3,3'-Dichlorobenzidine	11	U	10	U	11	U	10	U	10	U	10	U
Benzo(a)anthracene	11	U	10	U	11	U	10	U	10	U	10	U
Chrysene	11	U	10	U	11	U	10	U	10	U	10	U
bis(2-Ethylhexyl)phthalate	3	JB	7	JB	11	U	1	J	10	U	1	JB
Di-n-octyl phthalate	11	U	10	U	11	U	10	U	10	U	10	U
Benzo(b)fluoranthene	11	U	10	U	11	U	10	U	10	U	10	U
Benzo(k)fluoranthene	11	U	10	U	11	U	10	U	10	U	10	U
Benzo(a)pyrene	11	U	10	U	11	U	10	U	10	U	10	U
Indeno(1,2,3-cd)pyrene	11	U	10	U	11	U	10	U	10	U	10	U
Dibenz(a,h)anthracene	11	U	10	U	11	U	10	U	10	U	10	U
Benzo(g,h,i)perylene	11	U	10	U	11	U	10	U	10	U	10	U

(1) - Cannot be separated from Diphenylamine. *= Outside of EPA CLP QC limits.

Recra LabNet - Lionville Laboratory

Pesticide/PCBs by GC, CLP List

Report Date: 08/31/98 23:01

RFW Batch Number: **9807L066** Client: **NYSDEC** Work Order: 01667600001 Page: 1

	Cust ID:	NF698070501		NF698070502		NF698070503		PBLKMC		PBLKMC BS		PBLKMC BSD	
Sample Information	RFW#:	001		002		003		98LE1305-MB1		98LE1305-MB1		98LE1305-MB1	
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	D.F.:	1.00		1.00		1.00		1.00		1.00		1.00	
	Units:	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
Surrogate: Decachlorobiphenyl		79	%	81	%	79	%	102	%	103	%	108	%
Tetrachloro-m-xylene		68	%	68	%	48	%	78	%	72	%	75	%
		fl		fl		fl		fl		fl		fl	
Alpha-BHC		0.053	U	0.053	U	0.053	U	0.050	U	0.050	U	0.050	U
Beta-BHC		0.053	U	0.053	U	0.053	U	0.050	U	0.050	U	0.050	U
Delta-BHC		0.053	U	0.053	U	0.053	U	0.050	U	0.050	U	0.050	U
gamma-BHC (Lindane)		0.053	U	0.053	U	0.053	U	0.050	U	90	%	90	%
Heptachlor		0.053	U	0.053	U	0.053	U	0.050	U	75	%	85	%
Aldrin		0.053	U	0.053	U	0.053	U	0.050	U	75	%	75	%
Heptachlor epoxide		0.053	U	0.053	U	0.053	U	0.050	U	0.050	U	0.050	U
Endosulfan I		0.053	U	0.053	U	0.053	U	0.050	U	0.050	U	0.050	U
Dieldrin		0.11	U	0.11	U	0.11	U	0.10	U	92	%	96	%
4,4'-DDE		0.11	U	0.11	U	0.11	U	0.10	U	0.10	U	0.10	U
Endrin		0.11	U	0.11	U	0.11	U	0.10	U	108	%	116	%
Endosulfan II		0.11	U	0.11	U	0.11	U	0.10	U	0.10	U	0.10	U
4,4'-DDD		0.11	U	0.11	U	0.11	U	0.10	U	0.10	U	0.10	U
Endosulfan sulfate		0.11	U	0.11	U	0.11	U	0.10	U	0.10	U	0.10	U
4,4'-DDT		0.11	U	0.11	U	0.11	U	0.10	U	86	%	90	%
Methoxychlor		0.53	U	0.53	U	0.53	U	0.50	U	0.50	U	0.50	U
Endrin ketone		0.11	U	0.11	U	0.11	U	0.10	U	0.10	U	0.10	U
Endrin aldehyde		0.11	U	0.11	U	0.11	U	0.10	U	0.10	U	0.10	U
alpha-Chlordane		0.053	U	0.053	U	0.053	U	0.050	U	0.050	U	0.050	U
gamma-Chlordane		0.053	U	0.053	U	0.053	U	0.050	U	0.050	U	0.050	U
Toxaphene		5.3	U	5.3	U	5.3	U	5.0	U	5.0	U	5.0	U
Aroclor-1016		1.1	U	1.1	U	1.1	U	1.0	U	1.0	U	1.0	U
Aroclor-1221		2.1	U	2.1	U	2.1	U	2.0	U	2.0	U	2.0	U
Aroclor-1232		1.1	U	1.1	U	1.1	U	1.0	U	1.0	U	1.0	U
Aroclor-1242		1.1	U	1.1	U	1.1	U	1.0	U	1.0	U	1.0	U
Aroclor-1248		1.1	U	1.1	U	1.1	U	1.0	U	1.0	U	1.0	U
Aroclor-1254		1.1	U	1.1	U	1.1	U	1.0	U	1.0	U	1.0	U
Aroclor-1260		1.1	U	1.1	U	1.1	U	1.0	U	1.0	U	1.0	U

012

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

1D

PESTICIDE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

NF698070501

Lab Name: Recra.LabNet Work Order: 01667600001

Client: NYSDEC

Matrix: WATER Lab Sample ID: 9807L066-001

Sample wt/vol: 940 (g/mL) ML Lab File ID: 08119809.34

Level: (low/med) LOW Date Received: 07/29/98

% Moisture: not dec. _____ dec. Date Extracted: 08/05/98

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/12/98

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
319-84-6	Alpha-BHC	0.053	U
319-85-7	Beta-BHC	0.053	U
319-86-8	Delta-BHC	0.053	U
58-89-9	gamma-BHC (Lindane)	0.053	U
76-44-8	Heptachlor	0.053	U
309-00-2	Aldrin	0.053	U
1024-57-3	Heptachlor epoxide	0.053	U
959-98-8	Endosulfan I	0.053	U
60-57-1	Dieldrin	0.11	U
72-55-9	4,4'-DDE	0.11	U
72-20-8	Endrin	0.11	U
33213-65-9	Endosulfan II	0.11	U
72-54-8	4,4'-DDD	0.11	U
1031-07-8	Endosulfan sulfate	0.11	U
50-29-3	4,4'-DDT	0.11	U
72-43-5	Methoxychlor	0.53	U
53494-70-5	Endrin ketone	0.11	U
7421934	Endrin aldehyde	0.11	U
5103-71-9	alpha-Chlordane	0.053	U
5103-74-2	gamma-Chlordane	0.053	U
8001-35-2	Toxaphene	5.3	U
12674-11-2	Aroclor-1016	1.1	U
11104-28-2	Aroclor-1221	2.1	U
11141-16-5	Aroclor-1232	1.1	U
53469-21-9	Aroclor-1242	1.1	U
12672-29-6	Aroclor-1248	1.1	U
11097-69-1	Aroclor-1254	1.1	U
11096-82-5	Aroclor-1260	1.1	U

D 8/11/98

1D

PESTICIDE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

NF698070502

Lab Name: Recra.LabNet Work Order: 01667600001

Client: NYSDEC

Matrix: WATER Lab Sample ID: 9807L066-002

Sample wt/vol: 940 (g/mL) ML Lab File ID: 08119809.35

Level: (low/med) LOW Date Received: 07/29/98

% Moisture: not dec. _____ dec. Date Extracted: 08/05/98

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/12/98

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
319-84-6	Alpha-BHC	0.053	U
319-85-7	Beta-BHC	0.053	U
319-86-8	Delta-BHC	0.053	U
58-89-9	gamma-BHC (Lindane)	0.053	U
76-44-8	Heptachlor	0.053	U
309-00-2	Aldrin	0.053	U
1024-57-3	Heptachlor epoxide	0.053	U
959-98-8	Endosulfan I	0.053	U
60-57-1	Dieldrin	0.11	U
72-55-9	4,4'-DDE	0.11	U
72-20-8	Endrin	0.11	U
33213-65-9	Endosulfan II	0.11	U
72-54-8	4,4'-DDD	0.11	U
1031-07-8	Endosulfan sulfate	0.11	U
50-29-3	4,4'-DDT	0.11	U
72-43-5	Methoxychlor	0.53	U
53494-70-5	Endrin ketone	0.11	U
7421934	Endrin aldehyde	0.11	U
5103-71-9	alpha-Chlordane	0.053	U
5103-74-2	gamma-Chlordane	0.053	U
8001-35-2	Toxaphene	5.3	U
12674-11-2	Aroclor-1016	1.1	U
11104-28-2	Aroclor-1221	2.1	U
11141-16-5	Aroclor-1232	1.1	U
53469-21-9	Aroclor-1242	1.1	U
12672-29-6	Aroclor-1248	1.1	U
11097-69-1	Aroclor-1254	1.1	U
11096-82-5	Aroclor-1260	1.1	U

DE 9/11/98

1D

PESTICIDE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

NF698070503

Lab Name: Recra.LabNet Work Order: 01667600001

Client: NYSDEC

Matrix: WATER Lab Sample ID: 9807L066-003

Sample wt/vol: 940 (g/mL) ML Lab File ID: 08119809.36

Level: (low/med) LOW Date Received: 07/29/98

% Moisture: not dec. _____ dec. Date Extracted: 08/05/98

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/12/98

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
319-84-6	Alpha-BHC	0.053	U
319-85-7	Beta-BHC	0.053	U
319-86-8	Delta-BHC	0.053	U
58-89-9	gamma-BHC (Lindane)	0.053	U
76-44-8	Heptachlor	0.053	U
309-00-2	Aldrin	0.053	U
1024-57-3	Heptachlor epoxide	0.053	U
959-98-8	Endosulfan I	0.053	U
60-57-1	Dieldrin	0.11	U
72-55-9	4,4'-DDE	0.11	U
72-20-8	Endrin	0.11	U
33213-65-9	Endosulfan II	0.11	U
72-54-8	4,4'-DDD	0.11	U
1031-07-8	Endosulfan sulfate	0.11	U
50-29-3	4,4'-DDT	0.11	U
72-43-5	Methoxychlor	0.53	U
53494-70-5	Endrin ketone	0.11	U
7421934	Endrin aldehyde	0.11	U
5103-71-9	alpha-Chlordane	0.053	U
5103-74-2	gamma-Chlordane	0.053	U
8001-35-2	Toxaphene	5.3	U
12674-11-2	Aroclor-1016	1.1	U
11104-28-2	Aroclor-1221	2.1	U
11141-16-5	Aroclor-1232	1.1	U
53469-21-9	Aroclor-1242	1.1	U
12672-29-6	Aroclor-1248	1.1	U
11097-69-1	Aroclor-1254	1.1	U
11096-82-5	Aroclor-1260	1.1	U

DC 9/11/98

U.S. EPA

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

070501

Lab Name: RECRA_LABNET Contract: 01667

Lab Code: RECRA Case No.: NF698 SAS No.: SDG No.: 070501

Matrix (soil/water): WATER Lab Sample ID: 9807L066-001

Level (low/med): LOW Date Received: 07/29/98

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	3.6	U		P
7440-38-2	Arsenic	11.2			P
7440-39-3	Barium	164			P
7440-41-7	Beryllium	0.52			P
7440-43-9	Cadmium	0.40	U		P
7440-47-3	Chromium	13.5			P
7440-48-4	Cobalt	8.5			P
7440-50-8	Copper	49.9			P
7439-92-1	Lead	6.1			P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	16.8			P
7782-49-2	Selenium	3.6	U		P
7440-22-4	Silver	1.0	U		P
7440-28-0	Thallium	4.4	U		P
7440-62-2	Vanadium	18.4			P
7440-66-6	Zinc	64.0			P
7440-31-5	Tin	4.0	U		P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

~~NF698~~-0705-01- NF698070501

No dashes MD 9/4/98

FORM I - IN

U.S. EPA

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

070502

Lab Name: RECRA_LABNET Contract: 01667

Lab Code: RECRA Case No.: NF698 SAS No.: SDG No.: 070501

Matrix (soil/water): WATER Lab Sample ID: 9807L066-002

Level (low/med): LOW Date Received: 07/29/98

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	3.7			P
7440-38-2	Arsenic	20.4			P
7440-39-3	Barium	315			P
7440-41-7	Beryllium	1.5			P
7440-43-9	Cadmium	0.40	U		P
7440-47-3	Chromium	33.7			P
7440-48-4	Cobalt	16.5			P
7440-50-8	Copper	158			P
7439-92-1	Lead	22.8			P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	43.1			P
7782-49-2	Selenium	4.4			P
7440-22-4	Silver	1.0	U		P
7440-28-0	Thallium	11.0			P
7440-62-2	Vanadium	51.5			P
7440-66-6	Zinc	157			P
7440-31-5	Tin	4.0	U		P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

~~NF698-0705-02~~ MD 9/4/98 NF698070502

No Dashes

FORM I - IN

U.S. EPA

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

070503

Lab Name: RECRA_LABNET Contract: 01667

Lab Code: RECRA Case No.: NF698 SAS No.: SDG No.: 070501

Matrix (soil/water): WATER Lab Sample ID: 9807L066-003

Level (low/med): LOW Date Received: 07/29/98

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	3.6	U		P
7440-38-2	Arsenic	31.8			P
7440-39-3	Barium	571			P
7440-41-7	Beryllium	2.5			P
7440-43-9	Cadmium	7.5			P
7440-47-3	Chromium	68.3			P
7440-48-4	Cobalt	33.1			P
7440-50-8	Copper	380			P
7439-92-1	Lead	158			P
7439-97-6	Mercury	0.23			AV
7440-02-0	Nickel	79.8			P
7782-49-2	Selenium	11.8			P
7440-22-4	Silver	2.6			P
7440-28-0	Thallium	21.3			P
7440-62-2	Vanadium	84.0			P
7440-66-6	Zinc	304			P
7440-31-5	Tin	8.8			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

~~NF698-0705-03~~ MD 9/4/98 NF698070503

No dashes

FORM I - IN

Griffiss AFB

July 29, 1998 Sampling

Building 35 Area

RECRA
LabNet
a division of Recra Environmental, Inc.
Virtual Laboratories Everywhere

4 February 1999

Mr. Jack Ryan
NYSDEC
Room 392
50 Wolf Road
Albany, NY 12233-3502

Ref: Contract C003783
Sample Data Package: RFW Batch 9807L066
NYSDEC ID: NF698-0705-01 to 03, TB

Dear Mr. Ryan:

Enclosed please find the data report for 4 water samples received 29 July 1998 for analysis for VOAs, SVOAs, pesticides/PCBs, and metals. The EDD will be emailed to you and sent to the sampler shortly.

Please do not hesitate to contact me at (610) 280-3000 with any questions you may have.

Very truly yours,

Recra LabNet Philadelphia

Judith L. Stone
Senior Project Manager

RECEIVED
FEB 0 5 1999
BUREAU OF PROGRAM MANAGEMENT
DIVISION OF
SOLID & HAZARDOUS MATERIALS

Enclosure

cc: Bruce Armstrong (NYSDEC)

(5) (4) ~~Extractions~~ 7/10/98, ~~Schnell, Wesson~~, ~~GC Pest/PCB~~ All

RECRA LabNet Use Only

98071066

Custody Transfer Record/Lab Work Request

Page 1 of 1

RECRA LabNet

* N032 643 650 4

Client NYSDEC

Est. Final Proj. Sampling Date

Project # 01667-600-001-9999-00

Project Contact/Phone #

RECRA Project Manager JS

QC SW846 Del ~~7/28/98~~ CLP TAT 30 day

Date Rec'd ~~7/28/98~~ 7/29/98 Date Due 8/28/98

Account # 29 NYSDECSTD

Refrigerator #		1	3		
#/Type Container	Liquid	3/6	9/6	1/6	1P
	Solid				
Volume	Liquid	40ml	1L	1L	1L
	Solid				
Preservatives		—	—	—	HN03

ANALYSES REQUESTED → ORGANIC: VOA, BNA, Pest/PCB, Herb; INORG: Metal, CN

RECRA LabNet Use Only

MATRIX CODES	Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected	Time Collected	0624H	0625H	~~8270~~ 8141 0608SH	MAPPIX
S - Soil, SE - Sediment, SO - Solid, SL - Sludge, W - Water, O - Oil, A - Air, DS - Drum Solids, DL - Drum Liquids, L - EP TCLP Leachate, WI - Wipe, X - Other, F - Fish	001	NF6980705-01			W	7/28/98	1010	✓	✓	✓	✓
	002	02					1115	✓	✓	✓	✓
	003	03					1145	✓	✓	✓	✓
	004	TRIP BLANK					—	✓ ~~comments~~ ✓			

Special Instructions:

DATE/REVISIONS:

1. 004 Trip Blanks received included
2. on COC per PM
3. 8/4/98 OPCB ~~add~~ canceled and 0608SH
4. added - test code for VOA TB
5. added in Lins per PM revision
6. 8/7/98 date changed per PM revision

Relinquished by	Received by	Date	Time
UPS	[signature]	7-29-98	1000

Relinquished by	Received by	Date	Time

ORIGINAL REWRITTEN

RECRA LabNet Use Only

Samples were: 1) Shipped X or Hand Delivered ..... Airbill # see above 2) Ambient or (Chilled) 3) Received in Good Condition (Y) or N 4) Labels Indicate Properly Preserved (Y) or N 5) Received Within Holding Times (Y) or N

COC Tape was: 1) Present on Outer Package (Y) or N 2) Unbroken on Outer Package Y or N 3) Present on Sample Y or (N) 4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't (Y) or N

Cooler Temp. 4.3 °C

Discrepancies Between Samples Labels and COC Record? Y or (N)

NOTES:

Recra LabNet Philadelphia Sample Discrepancy Report (SDR) SDR #: 98PM563

Initiator: J Stone | RFW Batch: 980726e6 | Parameter: all
Date: 8/6/98 | Samples: all | Matrix: W
Client: NYSDEC | Method: SW846/CAWW/CLP/ | Prep Batch:

1. Reason for SDR

a. COC Discrepancy __ Tech Profile Error __ Client Request __ Sampler Error on C-O-C
__ Transcription Error __ Wrong Test Code ✓ Other wrong receipt date

b. General Discrepancy

__ Missing Sample/Extract __ Container Broken __ Wrong Sample Pulled __ Label ID's Illegible
__ Hold Time Exceeded __ Insufficient Sample __ Preservation Wrong __ Received Past Hold
__ Improper Bottle Type __ Not Amenable to Analysis

Note: Verified by [Log-In] or [Prep Group] (circle)...signature/date: _____

c. QC Problem (Include all relevant specific results; attach data if necessary)

2. Known or Probable Causes(s)

3. Discussion and Proposed Action Other Description:

__ Re-log
__ Entire Batch
__ Following Samples: _____
__ Re-leach
__ Re-extract
__ Re-digest
__ Revise EDD
__ Change Test Code to _____
__ Place On/Take Off Hold (circle)

4. Project Manager Instructions...signature/date: JS 8/6/98

__ Concur with Proposed Action
__ Disagree with Proposed Action; See Instruction
__ Include in Case Narrative
__ Client Contacted:
Date/Person _____
__ Add
__ Cancel

per receipt signatures, receipt date should be 7/29/98 (top of chain + LIMS)

5. Final Action...signature/date: JS 8/10/98 Other Explanation: (also fix due date)

__ Verified re-[log][leach][extract][digest][analysis] (circle)
__ Included in Case Narrative
__ Hard Copy COC Revised
__ Electronic COC Revised
__ EDD Corrections Completed

When Final Action has been recorded, forward original to QA Specialist for distribution and filing.

Route	Distribution of Completed SDR	Route	Distribution of Completed SDR
__	X Initiator	__	✓ Metals: Doughty
__	X Lab Manager: J. Michael Taylor	__	__ Inorganic: Perrone
__	X Project Mgr: JStone	__	✓ GC/LC: Rycklak/Schnell
__	X Section Mgr: Siery/Durkee/Daniels	__	✓ MS: LeMin/McIntyre/Taylor/Kasdras
__	X QA (file): Racioppi	(T)	__ Log-in: Toder
__	__ Data Management: Feldman	__	__ Admin: Soos
__	__ Sample Prep: Schnell/Doughty/Kauffman	__	__ Other: _____

RECRA LabNet Use Only

98072066

Custody Tran / Request

N032 643 650 4

DELIVERY 1

Page 1 of 1

RECRA LabNet

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Client NYSDEC ~~Division of Solid & Hazardous Materials~~ BCRS 7/29/98

Est. Final Proj. Sampling Date July 28, 1998

Project # ~~A9-6-0-2~~ 01667-600-001-99990

Project Contact/Phone # Kent Johnson (518)457-9253

RECRA Project Manager Judy Stone

QC SW846 Del CLP TAT 30 day

Date Rec'd 7/28/98 Date Due 8/27/98

Account # NYSDEC STD

Refrigerator #		1	3			1
#/Type Container	Liquid	2/glass	2/glass	1/glass		1 plastic
	Solid					
Volume	Liquid	40ml	1l	1l		1l
	Solid					
Preservatives		None	None	None		H2SO4

ANALYSES REQUESTED →	ORGANIC				INORG	
	VOA	BNA	Pest/PCB	Herb	Metal	CN

MATRIX CODES: S - Soil; SE - Sediment; SO - Solid; SL - Sludge; W - Water; O - Oil; A - Air; DS - Drum Solids; DL - Drum Liquids; L - EP/TCLP Leachate; WI - Wipe; X - Other; F - Fish

RECRA LabNet Use Only

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected	Time Collected	0624H	0625H	OPC13	Rcra 8 Metals	MAPPIX
001	NF6980705 01			W	7/28/98	10:10	2	2	1		1
2	NF6980705 02			W	7/28/98	11:15	2	2	1		1
3	NF6980705 03			W	7/28/98	11:45	2	2	1		1
4	TB										

Special Instructions:

DATE/REVISIONS:

004 1. TB Blanks Rec'd included

2. on COC Per PM.

3.

4.

5.

6.

Relinquished by	Received by	Date	Time
Kent Johnson		7/28/98	17:00
LL/S	V. Hennessy	7-29-98	1000

Relinquished by	Received by	Date	Time
	ORIGINAL		

Discrepancies Between Samples Labels and COC Record? Y or N

NOTES:

RECRA LabNet Use Only

Samples were: 1) Shipped X or Hand Delivered ___

Airbill # See above

2) Ambient or Chilled

3) Received in Good Condition (Y) or N

4) Labels Indicate Properly Preserved (Y) or N

5) Received Within Holding Times (Y) or N

COC Tape was: 1) Present on Outer Package (Y) or N

2) Unbroken on Outer Package Y or N

3) Present on Sample Y or (N)

4) Unbroken on Sample Y or (N)

COC Record Present Upon Sample Rec't (Y) or N

Cooler Temp. 4.3 °C

Send This Sheet with Sample to Contract Lab

74-15-1 (4/91)—9a

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Part 3

Print legibly

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

Place QA Label Here

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 3. Volatiles—(USEPA 624 GC/MS)
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 5. Cyanide
- ☐ 9. BOD
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 12. TSS
- ☐ 10. pH
- ☐ 11. COD
- ☐ 15. Ammonia
- ☐ 13. Settleable Solids
- ☐ 14. TKN
- ☐ 18. Reactive Phosphorus
- ☐ 16. Nitrate/Nitrite
- ☐ 17. Total Phosphorus
- ☐ 21. Total Phenols
- ☐ 19. Oil/Grease
- ☐ 20. TOC
- ☐ 60. PCB's congener method
- ☐ 22. Other _____
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 64. Total Solids
- ☐ 62. CBOD
- ☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☐ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)
- ☐ 30. B/N/A/—Soils/Sediment—GC/MS (ASP #89-2)
- ☐ 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1)
- ☐ 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☐ 27. Metals—23 in Water
- ☐ 33. Metals—23 inSoil/Sediment
- ☐ 28. Cyanide—Water
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
- ☐ 35. Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☒ 40. VOA—(USEPA 8240-GC/MS)
- ☒ 41. BNA—(USEPA 8270-GC/MS)
- ☒ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 43. TCLP
- ☐ 44. TCLP (Metals Only)
- ☐ 45. Reactivity
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 47. Appendix IX
- ☐ 48. Other _____
- ☐ 63. Percent Solids
- ☒ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

- ☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
- ☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO:
Kent D. Johnson	(518) 457-9253	0

CONTRACT LAB:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
Recra	Oneida	7/28/98	10:10

SAMPLE MATRIX:

☐ Air ☐ Soil/Sediment ☒ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
NF6918	07015	01	☐ This Sample	☒ Grab ☐ Composite ☐ Term ____ hrs

☐ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B, unless checked ☐

SAMPLING POINT:	Check if field duplicate ☐	Outfall Number	Check if sampling is part of inspection ☐
	SPDES NUMBER/REGISTRY NUMBER		FLOW GPD MGD

Send This Sheet with Sample to Contract Lab

74-15-1 (5/90)—9a

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Part 3

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

Place QA Label Here

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 3. Volatiles—USEPA 624 (GC/MS)
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 5. Cyanide
- ☐ 9. BOD
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 12. TSS
- ☐ 10. pH
- ☐ 11. COD
- ☐ 15. Ammonia
- ☐ 13. Settleable Solids
- ☐ 14. TKN
- ☐ 18. Reactive Phosphorus
- ☐ 16. Nitrate/Nitrite
- ☐ 17. Total Phosphrous
- ☐ 21. Total Phenols
- ☐ 19. Oil/Grease
- ☐ 20. TOC
- ☐ 60. PCB's congener method
- ☐ 22. Other _____
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 64. Total Solids
- ☐ 62. CBOD
- ☐ 65. Volatiles USEPA 524.2 (GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☐ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC-MS (ASP #89-2)
- ☐ 30. B/N/A/—Soils/Sediment—GC-MS (ASP #89-2)
- ☐ 25. Volatile Organic Analysis VOA—Water—GC-MS(ASP #89-1)
- ☐ 31. VOA—Soils/Sediments—GC-MS (ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☐ 27. Metals—Water
- ☐ 33. Metals—Soil/Sediment
- ☐ 28. Cyanide—Water
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
- ☐ 35. Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☒ 40. VOA—(USEPA 8240)
- ☒ 41. BNA—(USEPA 8270)
- ☒ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 43. TCLP
- ☐ 44. TCLP (Metals Only)
- ☐ 45. Reactivity
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 47. Appendix IX
- ☐ 48. Other _____
- ☐ 63. Percent Solids
- ☒ 68. Metals

MUNICIPAL SLUDGE

- ☐ 49. RSGB-01
- ☐ 50. RSSR-01
- ☐ 51. RSGR-01
- ☐ 52. RSRB-01
- ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
- ☐ 54. RSRO-01
- ☐ 55. RSSB-01
- ☐ 56. RSRR-01
- ☐ 57. RSRR-02
- ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO:
Kent Johnson	(518) 457-9253	0

CONTRACT LAB:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
Recra	Oneida	7/28/98	11:45

SAMPLE MATRIX:

☐ Air ☐ Soil/Sediment ☒ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
NF6918	07057	1013	☐ This Sample	☐ Composite ☒ Grab ☐ Term ____ hrs

☐ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B, unless checked ☐

SAMPLING POINT:

Check if field duplicate ☐	Outfall Number	Check if sampling is part of inspection ☐

SPDES NUMBER/REGISTRY NUMBER	FLOW GPD MGD

Send This Sheet with Sample to Contract Lab

74-15-1 (5/90)—9a

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Part 3

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

Place QA Label Here

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 10. pH
- ☐ 13. Settleable Solids
- ☐ 16. Nitrate/Nitrite
- ☐ 19. Oil/Grease
- ☐ 22. Other _____
- ☐ 3. Volatiles—USEPA 624 (GC/MS)
- ☐ 5. Cyanide
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 11. COD
- ☐ 14. TKN
- ☐ 17. Total Phosphrous
- ☐ 20. TOC
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 62. CBOD
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 9. BOD
- ☐ 12. TSS
- ☐ 15. Ammonia
- ☐ 18. Reactive Phosphorus
- ☐ 21. Total Phenols
- ☐ 60. PCB's congener method
- ☐ 64. Total Solids
- ☐ 65. Volatiles USEPA 524.2 (GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC-MS (ASP #89-2)
- ☐ 25. Volatile Organic Analysis VOA—Water—GC-MS(ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 27. Metals—Water
- ☐ 28. Cyanide—Water
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 35. Other _____
- ☐ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 30. B/N/A/—Soils/Sediment—GC-MS (ASP #89-2)
- ☐ 31. VOA—Soils/Sediments—GC-MS (ASP #89-1)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☐ 33. Metals—Soil/Sediment
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 39. Corrosivity
- ☒ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 45. Reactivity
- ☐ 48. Other _____
- ☐ 37. EP Toxicity (Metals Only)
- ☒ 40. VOA—(USEPA 8240)
- ☐ 43. TCLP
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 63. Percent Solids
- ☐ 38. Ignitability
- ☒ 41. BNA—(USEPA 8270)
- ☐ 44. TCLP (Metals Only)
- ☐ 47. Appendix IX
- ☒ 68. Metals

MUNICIPAL SLUDGE

- ☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
- ☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO:
Kent Johnson	(518)457-9253	0

CONTRACT LAB:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
Recra	Oneida	7/22/98	11:15

SAMPLE MATRIX:

☐ Air ☐ Soil/Sediment ☒ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
NF6918	07015	1112	☐ This Sample	☒ Grab ☐ Composite ☐ Term ____ hrs

☐ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B, unless checked ☐

SAMPLING POINT:

Check if field duplicate ☐ | Outfall Number | Check if sampling is part of inspection ☐

SPDES NUMBER/REGISTRY NUMBER | FLOW GPD MGD

RECRA
LabNet
a division of Recra Environmental, Inc.
Virtual Laboratories Everywhere

Recra LabNet Philadelphia
Analytical Report

Client : NYSDEC
RFW# : 9807L066
ELAP : 10752

W.O. #: 01667-600-001-9999-00
Date Received: 07-29-98

PESTICIDE/PCB

The set of samples consisted of three (3) water samples collected on 07-28-98.

The samples and their associated QC samples were extracted on 08-05-98 and analyzed on 08-12-98 according to criteria set forth in NYSDEC 1995 ASP (Method 95-3) for Pesticide and PCB target compounds.

1. The cooler temperature upon receipt has been recorded on the chain-of-custody.

2. These samples were extracted outside holding time. A copy of the Sample Discrepancy Report (SDR) has been included in Section III (Case Narrative).

3. The method blank was below the reporting limits for all target compounds.

4. All surrogate recoveries were within acceptance criteria.

5. All blank spike recoveries were within acceptance criteria.

6. All initial calibrations associated with this data set were within acceptance criteria.

7. All continuing calibration standards analyzed prior to sample extracts were within acceptance criteria.

8. I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Bruce C Taylor

J. Michael Taylor
Vice President
Philadelphia Analytical Laboratory

9-28-98
Date

mmz\pcb\07-066.pp

The results presented in this report relate only to the analytical testing and conditions of the samples at receipt and during storage. All pages of this report are integral parts of the analytical data. Therefore, this report should only be reproduced in its entirety of 294 pages.

Recra LabNet Philadelphia Sample Discrepancy Report (SDR) SDR #: 98EX180

Initiator: L. Kauffman
Date: 9/10/98
Client: NYSDEC

RFW Batch: 980726066
Samples: 001-003
Method: SW846/MCAWW/CLP/

Parameter: GC8H
Matrix: Water
Prep Batch: 98LE1305

1. Reason for SDR

a. COC Discrepancy __ Tech Profile Error __ Client Request __ Sampler Error on C-O-C __ Transcription Error __ Wrong Test Code __ Other _____

b. General Discrepancy

__ Missing Sample/Extract __ Container Broken __ Wrong Sample Pulled __ Label ID's Illegible
X Hold Time Exceeded __ Insufficient Sample __ Preservation Wrong __ Received Past Hold
__ Improper Bottle Type __ Not Amenable to Analysis

Note: Verified by [Log-In] or [Prep Group] (circle)...signature/date: _____

c. QC Problem (Include all relevant specific results; attach data if necessary)

2. Known or Probable Causes(s)

samples were marked as complete and not prepped in time to meet hold time.

3. Discussion and Proposed Action Other Description:

__ Re-log
__ Entire Batch
__ Following Samples: _____
__ Re-leach
__ Re-extract
__ Re-digest
__ Revise EDD
__ Change Test Code to _____
__ Place On/Take Off Hold (circle)

4. Project Manager Instructions...signature/date: _____ 9/11/98

__ Concur with Proposed Action
__ Disagree with Proposed Action; See Instruction
__ Include in Case Narrative
__ Client Contacted:
Date/Person _____
__ Add
__ Cancel

5. Final Action...signature/date: _____ Other Explanation:

__ Verified re-[log][leach][extract][digest][analysis] (circle)
__ Included in Case Narrative
__ Hard Copy COC Revised
__ Electronic COC Revised
__ EDD Corrections Completed

When Final Action has been recorded, forward original to QA Specialist for distribution and filing.

Route	Distribution of Completed SDR	Route	Distribution of Completed SDR
__	X Initiator	__	__ Metals: Doughty
__	X Lab Manager: J. Michael Taylor	__	__ Inorganic: Perrone
I	X Project Mgr: Judy Stone	Z	X GC/LC: Rycklak/Schnell
__	X Section Mgr: Siery/Durke/Daniels	__	__ MS: LeMin/McIntyre/Taylor/Kasdras
__	X QA (file): Racioppi	__	__ Log-in: Toder
__	__ Data Management: Feldman	__	__ Admin: Soos
__	__ Sample Prep: Schnell/Doughty/Kauffman	__	__ Other: _____

L-WI-006/E-07/98

Recra LabNet - Lionville Laboratory

Pesticide/PCBs by GC, CLP List

Report Date: 08/31/98 23:01

RFW Batch Number: **9807L066** Client: **NYSDEC** Work Order: 01667600001 Page: 1

	Cust ID:	NF698070501	NF698070502	NF698070503	PBLKMC	PBLKMC BS	PBLKMC BSD
Sample Information	RFW#:	001	002	003	98LE1305-MB1	98LE1305-MB1	98LE1305-MB1
	Matrix:	WATER	WATER	WATER	WATER	WATER	WATER
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Surrogate:	Decachlorobiphenyl	79 %	81 %	79 %	102 %	103 %	108 %
	Tetrachloro-m-xylene	68 %	68 %	48 %	78 %	72 %	75 %
		fl	fl	fl	fl	fl	fl
Alpha-BHC		0.053 U	0.053 U	0.053 U	0.050 U	0.050 U	0.050 U
Beta-BHC		0.053 U	0.053 U	0.053 U	0.050 U	0.050 U	0.050 U
Delta-BHC		0.053 U	0.053 U	0.053 U	0.050 U	0.050 U	0.050 U
gamma-BHC (Lindane)		0.053 U	0.053 U	0.053 U	0.050 U	90 %	90 %
Heptachlor		0.053 U	0.053 U	0.053 U	0.050 U	75 %	85 %
Aldrin		0.053 U	0.053 U	0.053 U	0.050 U	75 %	75 %
Heptachlor epoxide		0.053 U	0.053 U	0.053 U	0.050 U	0.050 U	0.050 U
Endosulfan I		0.053 U	0.053 U	0.053 U	0.050 U	0.050 U	0.050 U
Dieldrin		0.11 U	0.11 U	0.11 U	0.10 U	92 %	96 %
4,4'-DDE		0.11 U	0.11 U	0.11 U	0.10 U	0.10 U	0.10 U
Endrin		0.11 U	0.11 U	0.11 U	0.10 U	108 %	116 %
Endosulfan II		0.11 U	0.11 U	0.11 U	0.10 U	0.10 U	0.10 U
4,4'-DDD		0.11 U	0.11 U	0.11 U	0.10 U	0.10 U	0.10 U
Endosulfan sulfate		0.11 U	0.11 U	0.11 U	0.10 U	0.10 U	0.10 U
4,4'-DDT		0.11 U	0.11 U	0.11 U	0.10 U	86 %	90 %
Methoxychlor		0.53 U	0.53 U	0.53 U	0.50 U	0.50 U	0.50 U
Endrin ketone		0.11 U	0.11 U	0.11 U	0.10 U	0.10 U	0.10 U
Endrin aldehyde		0.11 U	0.11 U	0.11 U	0.10 U	0.10 U	0.10 U
alpha-Chlordane		0.053 U	0.053 U	0.053 U	0.050 U	0.050 U	0.050 U
gamma-Chlordane		0.053 U	0.053 U	0.053 U	0.050 U	0.050 U	0.050 U
Toxaphene		5.3 U	5.3 U	5.3 U	5.0 U	5.0 U	5.0 U
Aroclor-1016		1.1 U	1.1 U	1.1 U	1.0 U	1.0 U	1.0 U
Aroclor-1221		2.1 U	2.1 U	2.1 U	2.0 U	2.0 U	2.0 U
Aroclor-1232		1.1 U	1.1 U	1.1 U	1.0 U	1.0 U	1.0 U
Aroclor-1242		1.1 U	1.1 U	1.1 U	1.0 U	1.0 U	1.0 U
Aroclor-1248		1.1 U	1.1 U	1.1 U	1.0 U	1.0 U	1.0 U
Aroclor-1254		1.1 U	1.1 U	1.1 U	1.0 U	1.0 U	1.0 U
Aroclor-1260		1.1 U	1.1 U	1.1 U	1.0 U	1.0 U	1.0 U

012

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

9/11/98

1D

PESTICIDE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

NF698070501

Lab Name: Recra.LabNet Work Order: 01667600001

Client: NYSDEC

Matrix: WATER Lab Sample ID: 9807L066-001

Sample wt/vol: 940 (g/mL) ML Lab File ID: 08119809.34

Level: (low/med) LOW Date Received: 07/29/98

% Moisture: not dec. _____ dec. Date Extracted: 08/05/98

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/12/98

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
319-84-6	Alpha-BHC	0.053	U
319-85-7	Beta-BHC	0.053	U
319-86-8	Delta-BHC	0.053	U
58-89-9	gamma-BHC (Lindane)	0.053	U
76-44-8	Heptachlor	0.053	U
309-00-2	Aldrin	0.053	U
1024-57-3	Heptachlor epoxide	0.053	U
959-98-8	Endosulfan I	0.053	U
60-57-1	Dieldrin	0.11	U
72-55-9	4,4'-DDE	0.11	U
72-20-8	Endrin	0.11	U
33213-65-9	Endosulfan II	0.11	U
72-54-8	4,4'-DDD	0.11	U
1031-07-8	Endosulfan sulfate	0.11	U
50-29-3	4,4'-DDT	0.11	U
72-43-5	Methoxychlor	0.53	U
53494-70-5	Endrin ketone	0.11	U
7421934	Endrin aldehyde	0.11	U
5103-71-9	alpha-Chlordane	0.053	U
5103-74-2	gamma-Chlordane	0.053	U
8001-35-2	Toxaphene	5.3	U
12674-11-2	Aroclor-1016	1.1	U
11104-28-2	Aroclor-1221	2.1	U
11141-16-5	Aroclor-1232	1.1	U
53469-21-9	Aroclor-1242	1.1	U
12672-29-6	Aroclor-1248	1.1	U
11097-69-1	Aroclor-1254	1.1	U
11096-82-5	Aroclor-1260	1.1	U

D 8/11/98

1D

PESTICIDE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

NF698070502

Lab Name: Recra.LabNet Work Order: 01667600001

Client: NYSDEC

Matrix: WATER Lab Sample ID: 9807L066-002

Sample wt/vol: 940 (g/mL) ML Lab File ID: 08119809.35

Level: (low/med) LOW Date Received: 07/29/98

% Moisture: not dec. _____ dec. Date Extracted: 08/05/98

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/12/98

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	
319-84-6	Alpha-BHC	0.053	U
319-85-7	Beta-BHC	0.053	U
319-86-8	Delta-BHC	0.053	U
58-89-9	gamma-BHC (Lindane)	0.053	U
76-44-8	Heptachlor	0.053	U
309-00-2	Aldrin	0.053	U
1024-57-3	Heptachlor epoxide	0.053	U
959-98-8	Endosulfan I	0.053	U
60-57-1	Dieldrin	0.11	U
72-55-9	4,4'-DDE	0.11	U
72-20-8	Endrin	0.11	U
33213-65-9	Endosulfan II	0.11	U
72-54-8	4,4'-DDD	0.11	U
1031-07-8	Endosulfan sulfate	0.11	U
50-29-3	4,4'-DDT	0.11	U
72-43-5	Methoxychlor	0.53	U
53494-70-5	Endrin ketone	0.11	U
7421934	Endrin aldehyde	0.11	U
5103-71-9	alpha-Chlordane	0.053	U
5103-74-2	gamma-Chlordane	0.053	U
8001-35-2	Toxaphene	5.3	U
12674-11-2	Aroclor-1016	1.1	U
11104-28-2	Aroclor-1221	2.1	U
11141-16-5	Aroclor-1232	1.1	U
53469-21-9	Aroclor-1242	1.1	U
12672-29-6	Aroclor-1248	1.1	U
11097-69-1	Aroclor-1254	1.1	U
11096-82-5	Aroclor-1260	1.1	U

DX 9/11/98

1D

PESTICIDE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

NF698070503

Lab Name: Recra.LabNet Work Order: 01667600001

Client: NYSDEC

Matrix: WATER Lab Sample ID: 9807L066-003

Sample wt/vol: 940 (g/mL) ML Lab File ID: 08119809.36

Level: (low/med) LOW Date Received: 07/29/98

% Moisture: not dec. _____ dec. Date Extracted: 08/05/98

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/12/98

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
319-84-6	Alpha-BHC	0.053	U
319-85-7	Beta-BHC	0.053	U
319-86-8	Delta-BHC	0.053	U
58-89-9	gamma-BHC (Lindane)	0.053	U
76-44-8	Heptachlor	0.053	U
309-00-2	Aldrin	0.053	U
1024-57-3	Heptachlor epoxide	0.053	U
959-98-8	Endosulfan I	0.053	U
60-57-1	Dieldrin	0.11	U
72-55-9	4,4'-DDE	0.11	U
72-20-8	Endrin	0.11	U
33213-65-9	Endosulfan II	0.11	U
72-54-8	4,4'-DDD	0.11	U
1031-07-8	Endosulfan sulfate	0.11	U
50-29-3	4,4'-DDT	0.11	U
72-43-5	Methoxychlor	0.53	U
53494-70-5	Endrin ketone	0.11	U
7421934	Endrin aldehyde	0.11	U
5103-71-9	alpha-Chlordane	0.053	U
5103-74-2	gamma-Chlordane	0.053	U
8001-35-2	Toxaphene	5.3	U
12674-11-2	Aroclor-1016	1.1	U
11104-28-2	Aroclor-1221	2.1	U
11141-16-5	Aroclor-1232	1.1	U
53469-21-9	Aroclor-1242	1.1	U
12672-29-6	Aroclor-1248	1.1	U
11097-69-1	Aroclor-1254	1.1	U
11096-82-5	Aroclor-1260	1.1	U

DL 9/11/98

RECRA LabNet
a division of Recra Environmental, Inc.
Virtual Laboratories Everywhere

Recra LabNet Philadelphia
Analytical Report

Client: NYSDEC
RFW #: 9807L066
ELAP #: 10752

W.O. #: 01667-600-001-9999-00
Date Received: 07-29-98

SEMIVOLATILE

Two (2) water samples were collected on 07-28-98.

The samples and their associated QC samples were extracted on 07-30-98 and analyzed according to criteria set forth in NYSDEC ASP (Rev. 10-95) for TCL Semivolatile target compounds on 08-23-98.

The following is a summary of the QC results accompanying the sample results and a description of any problems encountered during their analyses:

1. The cooler temperature upon receipt has been recorded on the chain-of-custody.

2. All required holding times for extraction and analysis were met.

3. Non-target compounds were detected in these samples.

4. Six (6) of thirty-six (36) surrogate recoveries were outside EPA QC limits. EPA CLP surrogate recovery criteria were not met for sample NF698070502. The affected sample appears to be double surrogated. A copy of the Sample Discrepancy Report (SDR) has been enclosed.

5. All blank spike recoveries were within EPA QC limits.

6. The method blank contained the common laboratory contaminant Bis (2-Ethylhexyl)phthalate at a level less than the CRQL.

7. Internal standard area and retention time criteria were met.

8. I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

for J. Michael Taylor
Vice President
Philadelphia Analytical Laboratory

08-04-98
Date

som\group\data\bna\nys7-066.doc

The results presented in this report relate only to the analytical testing and conditions of the samples at receipt and during storage. All pages of this report are integral parts of the analytical data. Therefore, this report should only be reproduced in its entirety of 172 pages.

208 Welsh Pool Road • Lionville, PA 19341-1333 • (610)-280-3000 • Fax (610) 280-3041

Recra LabNet Philadelphia Sample Discrepancy Report (SDR) SDR #: 99MS012

Initiator: G.Lage RFW Batch: 9807L066 Parameter: 0625H
Date: 2-2-99 Samples: -002 Matrix: Water
Client: Nyaden Method: SW846/MCAWW/CLP/ Prep Batch: 98LE1272

1. Reason for SDR

a. COC Discrepancy __ Tech Profile Error __ Client Request __ Sampler Error on C-O-C
__ Transcription Error __ Wrong Test Code __ Other _____

b. General Discrepancy

__ Missing Sample/Extract __ Container Broken __ Wrong Sample Pulled __ Label ID's Illegible
__ Hold Time Exceeded __ Insufficient Sample __ Preservation Wrong __ Received Past Hold
__ Improper Bottle Type __ Not Amenable to Analysis

Note: Verified by [Log-In] or [Prep Group] (circle)...signature/date: _____

c. QC Problem (Include all relevant specific results; attach data if necessary)

Sample recoveries are all high 174% to 298%. Possible dioxin surrogated.

2. Known or Probable Causes(s)

3. Discussion and Proposed Action Other Description:

__ Re-log
__ Entire Batch
__ Following Samples: _____
__ Re-leach
__ Re-extract
__ Re-digest
__ Revise EDD
__ Change Test Code to _____
__ Place On/Take Off Hold (circle)

Report & Note in Narrative

4. Project Manager Instructions...signature/date: _____ 2/2/99

__ Concur with Proposed Action
✓ Disagree with Proposed Action; See Instruction
✓ Include in Case Narrative
__ Client Contacted:
Date/Person _____
__ Add
__ Cancel

5. Final Action...signature/date: _____ 2/2/99 Other Explanation:

__ Verified re-[log][leach][extract][digest][analysis] (circle)
X Included in Case Narrative
__ Hard Copy COC Revised
__ Electronic COC Revised
__ EDD Corrections Completed

When Final Action has been recorded, forward original to QA Specialist for distribution and filing.

Route	Distribution of Completed SDR	Route	Distribution of Completed SDR
__	X Initiator	__	__ Metals: Doughty
__	X Lab Manager: C. Stefanosky	__	__ Inorganic: Perrone
__	X Project Mgr: JS	__	__ GC/LC: Rycklak/Schnell
__	X Section Mgr: Siery/Wesson/Daniels	__	__ MS: LeMin/Taylor/Kasdras
__	X QA (file): Racioppi	__	__ Log-in: Toder
__	__ Data Management: Feldman	__	__ Admin: Soos
__	__ Sample Prep: Schnell/Doughty/Kauffman	__	__ Other: _____

Recra LabNet - Lionville Laboratory

Semivolatiles by GC/MS, HSL List

RFW Batch Number: **9807L066** Client: **NYSDEC** Work Order: 01667600001 Report Date: 02/02/99 09:21 Page: 1a

	Cust ID:	NF698070501	NF698070502	NF698070503	SBLKFU	SBLKFU BS	SBLKFU BSD
Sample Information	RFW#:	001	002	003	98LE1272-MB1	98LE1272-MB1	98LE1272-MB1
	Matrix:	WATER	WATER	WATER	WATER	WATER	WATER
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Surrogate Recovery	Nitrobenzene-d5	78 %	268 * %	71 %	73 %	65 %	73 %
	2-Fluorobiphenyl	75 %	214 * %	66 %	61 %	64 %	64 %
	Terphenyl-d14	69 %	174 * %	57 %	64 %	64 %	62 %
	Phenol-d5	79 %	242 * %	65 %	64 %	62 %	58 %
	2-Fluorophenol	75 %	257 * %	62 %	69 %	63 %	65 %
	2,4,6-Tribromophenol	79 %	298 * %	66 %	72 %	61 %	63 %
Phenol		11 U	10 U	11 U	10 U	65 %	65 %
bis(2-Chloroethyl)ether		11 U	10 U	11 U	10 U	10 U	10 U
2-Chlorophenol		11 U	10 U	11 U	10 U	66 %	68 %
1,3-Dichlorobenzene		11 U	10 U	11 U	10 U	10 U	10 U
1,4-Dichlorobenzene		11 U	10 U	11 U	10 U	44 %	57 %
1,2-Dichlorobenzene		11 U	10 U	11 U	10 U	10 U	10 U
2-Methylphenol		11 U	10 U	11 U	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)		11 U	10 U	11 U	10 U	10 U	10 U
4-Methylphenol		11 U	10 U	11 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine		11 U	10 U	11 U	10 U	55 %	55 %
Hexachloroethane		11 U	10 U	11 U	10 U	10 U	10 U
Nitrobenzene		11 U	10 U	11 U	10 U	10 U	10 U
Isophorone		11 U	10 U	11 U	10 U	10 U	10 U
2-Nitrophenol		11 U	10 U	11 U	10 U	10 U	10 U
2,4-Dimethylphenol		11 U	10 U	11 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane		11 U	10 U	11 U	10 U	10 U	10 U
2,4-Dichlorophenol		11 U	10 U	11 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene		11 U	10 U	11 U	10 U	50 %	61 %
Naphthalene		11 U	10 U	11 U	10 U	10 U	10 U
4-Chloroaniline		11 U	10 U	11 U	10 U	10 U	10 U
Hexachlorobutadiene		11 U	10 U	11 U	10 U	10 U	10 U
4-Chloro-3-methylphenol		11 U	10 U	11 U	10 U	62 %	67 %
2-Methylnaphthalene		11 U	10 U	11 U	10 U	10 U	10 U
Hexachlorocyclopentadiene		11 U	10 U	11 U	10 U	10 U	10 U
2,4,6-Trichlorophenol		11 U	10 U	11 U	10 U	10 U	10 U
2,4,5-Trichlorophenol		27 U	26 U	26 U	25 U	25 U	25 U

*= Outside of EPA CLP QC limits.

RFW Batch Number: **9807L066** Client: **NYSDEC** Work Order: 01667600001 Page: 1b

Cust ID:	NF698070501	NF698070502	NF698070503	SBLKFU	SBLKFU BS	SBLKFU BSD
RFW#:	001	002	003	98LE1272-MB1	98LE1272-MB1	98LE1272-MB1
2-Chloronaphthalene	11 U	10 U	11 U	10 U	10 U	10 U
2-Nitroaniline	27 U	26 U	26 U	25 U	25 U	25 U
Dimethylphthalate	11 U	10 U	11 U	10 U	10 U	10 U
Acenaphthylene	11 U	10 U	11 U	10 U	10 U	10 U
2,6-Dinitrotoluene	11 U	10 U	11 U	10 U	10 U	10 U
3-Nitroaniline	27 U	26 U	26 U	25 U	25 U	25 U
Acenaphthene	11 U	10 U	11 U	10 U	62 %	67 %
2,4-Dinitrophenol	27 U	26 U	26 U	25 U	25 U	25 U
4-Nitrophenol	27 U	26 U	26 U	25 U	61 %	65 %
Dibenzofuran	11 U	10 U	11 U	10 U	10 U	10 U
2,4-Dinitrotoluene	11 U	10 U	11 U	10 U	62 %	64 %
Diethylphthalate	11 U	0.7 J	11 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	11 U	10 U	11 U	10 U	10 U	10 U
Fluorene	11 U	10 U	11 U	10 U	10 U	10 U
4-Nitroaniline	27 U	26 U	26 U	25 U	25 U	25 U
4,6-Dinitro-2-methylphenol	27 U	26 U	26 U	25 U	25 U	25 U
N-Nitrosodiphenylamine (1)	11 U	10 U	11 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	11 U	10 U	11 U	10 U	10 U	10 U
Hexachlorobenzene	11 U	10 U	11 U	10 U	10 U	10 U
Pentachlorophenol	27 U	26 U	26 U	25 U	63 %	46 %
Phenanthrene	11 U	10 U	11 U	10 U	10 U	10 U
Anthracene	11 U	10 U	11 U	10 U	10 U	10 U
Carbazole	11 U	10 U	11 U	10 U	10 U	10 U
Di-n-butylphthalate	11 U	1 J	11 U	10 U	10 U	10 U
Fluoranthene	11 U	10 U	11 U	10 U	10 U	10 U
Pyrene	11 U	10 U	11 U	10 U	68 %	65 %
Butylbenzylphthalate	11 U	10 U	11 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	11 U	10 U	11 U	10 U	10 U	10 U
Benzo(a)anthracene	11 U	10 U	11 U	10 U	10 U	10 U
Chrysene	11 U	10 U	11 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	3 JB	7 JB	11 U	1 J	10 U	1 JB
Di-n-octyl phthalate	11 U	10 U	11 U	10 U	10 U	10 U
Benzo(b)fluoranthene	11 U	10 U	11 U	10 U	10 U	10 U
Benzo(k)fluoranthene	11 U	10 U	11 U	10 U	10 U	10 U
Benzo(a)pyrene	11 U	10 U	11 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	11 U	10 U	11 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	11 U	10 U	11 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	11 U	10 U	11 U	10 U	10 U	10 U

(1) - Cannot be separated from Diphenylamine. *= Outside of EPA CLP QC limits.

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NF698070501

Lab Name: Recra.LabNet Work Order: 01667600001

Client: NYSDEC

Matrix: (soil/water) WATER Lab Sample ID: 9807L066-001

Sample wt/vol: 920 (g/mL) ML Lab File ID: A082310

Level: (low/med) LOW Date Received: 07/29/98

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 07/30/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/23/98

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	11	U
111-44-4	bis(2-Chloroethyl)ether	11	U
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11	U
106-44-5	4-Methylphenol	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	27	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	27	U
131-11-3	Dimethylphthalate	11	U
208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U
99-09-2	3-Nitroaniline	27	U
83-32-9	Acenaphthene	11	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NF698070501

Lab Name: Recra.LabNet Work Order: 01667600001

Client: NYSDEC

Matrix: (soil/water) WATER Lab Sample ID: 9807L066-001

Sample wt/vol: 920 (g/mL) ML Lab File ID: A082310

Level: (low/med) LOW Date Received: 07/29/98

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 07/30/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/23/98

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	27	U
100-02-7	4-Nitrophenol	27	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
84-66-2	Diethylphthalate	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	27	U
534-52-1	4,6-Dinitro-2-methylphenol	27	U
86-30-6	N-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	27	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
86-74-8	Carbazole	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	11	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	3	JB
117-84-0	Di-n-octyl phthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

NF698070501

Lab Name: Recra.LabNet Work Order: 01667600001

Client: NYSDEC

Matrix: (soil/water) WATER Lab Sample ID: 9807L066-001

Sample wt/vol: 920 (g/mL) ML Lab File ID: A082310

Level: (low/med) LOW Date Received: 07/29/98

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 07/30/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/23/98

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	7.00	2	JB
2.		UNKNOWN	7.45	6	J
3.		UNKNOWN	7.60	4	J
4.		UNKNOWN	8.26	8	J
5.		UNKNOWN	22.63	3	J

FORM 1 SV-TIC RFW (v3.3)

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NF698070502

Lab Name: Recra.LabNet Work Order: 01667600001

Client: NYSDEC

Matrix: (soil/water) WATER Lab Sample ID: 9807L066-002

Sample wt/vol: 980 (g/mL) ML Lab File ID: A082311

Level: (low/med) LOW Date Received: 07/29/98

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 07/30/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/23/98

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	26	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	26	U
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NF698070502

Lab Name: Recra.LabNet Work Order: 01667600001

Client: NYSDEC

Matrix: (soil/water) WATER Lab Sample ID: 9807L066-002

Sample wt/vol: 980 (g/mL) ML Lab File ID: A082311

Level: (low/med) LOW Date Received: 07/29/98

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 07/30/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/23/98

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	26	U
100-02-7	4-Nitrophenol	26	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	0.7	J
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	1	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	7	JB
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

NF698070502

Lab Name: Recra.LabNet Work Order: 01667600001

Client: NYSDEC

Matrix: (soil/water) WATER Lab Sample ID: 9807L066-002

Sample wt/vol: 980 (g/mL) ML Lab File ID: A082311

Level: (low/med) LOW Date Received: 07/29/98

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 07/30/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/23/98

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 15 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	6.74	5	J
2.		UNKNOWN	6.96	3	JB
3.		UNKNOWN	7.01	8	JB
4.		UNKNOWN	7.24	5	J
5.		UNKNOWN	7.44	8	J
6.		UNKNOWN	7.59	10	J
7.		UNKNOWN	7.88	8	J
8.		UNKNOWN	11.53	3	J
9.		UNKNOWN	13.33	3	JB
10.		UNKNOWN	19.53	3	J
11.		UNKNOWN	19.56	3	J
12.		UNKNOWN	21.57	2	J
13.		UNKNOWN	22.66	20	J
14.		UNKNOWN	42.21	4	J
15.		UNKNOWN	42.23	7	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NF698070503

Lab Name: Recra.LabNet Work Order: 01667600001

Client: NYSDEC

Matrix: (soil/water) WATER Lab Sample ID: 9807L066-003

Sample wt/vol: 950 (g/mL) ML Lab File ID: A082312

Level: (low/med) LOW Date Received: 07/29/98

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 07/30/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/23/98

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	11	U
111-44-4	bis(2-Chloroethyl)ether	11	U
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11	U
106-44-5	4-Methylphenol	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	26	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	26	U
131-11-3	Dimethylphthalate	11	U
208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U
99-09-2	3-Nitroaniline	26	U
83-32-9	Acenaphthene	11	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NF698070503

Lab Name: Recra.LabNet Work Order: 01667600001

Client: NYSDEC

Matrix: (soil/water) WATER Lab Sample ID: 9807L066-003

Sample wt/vol: 950 (g/mL) ML Lab File ID: A082312

Level: (low/med) LOW Date Received: 07/29/98

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 07/30/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/23/98

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	26	U
100-02-7	4-Nitrophenol	26	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
84-66-2	Diethylphthalate	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	N-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
86-74-8	Carbazole	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	11	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U
117-84-0	Di-n-octyl phthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

NF698070503

Lab Name: Recra.LabNet Work Order: 01667600001

Client: NYSDEC

Matrix: (soil/water) WATER Lab Sample ID: 9807L066-003

Sample wt/vol: 950 (g/mL) ML Lab File ID: A082312

Level: (low/med) LOW Date Received: 07/29/98

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 07/30/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/23/98

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	7.59	3	J
2.		UNKNOWN	22.62	9	J
3.		UNKNOWN	43.64	20	J

RECRA LabNet
a division of Recra Environmental, Inc.
Virtual Laboratories Everywhere

Recra LabNet Philadelphia
Analytical Report

Client: NYSDEC
RFW#: 9807L066
ELAP #: 10752

W.O.#: 01667-600-001-9999-00
Date Received: 07-29-98

GC/MS VOLATILE

Four (4) water samples were collected on 07-28-98.

The samples and their associated QC samples were analyzed according to criteria set forth in NYSDEC ASP (Rev. 10-95) for TCL Volatile target compounds on 08-03-98.

The following is a summary of the QC results accompanying these sample results and a description of any problems encountered during their analyses:

1. The cooler temperature upon receipt has been recorded on the chain-of-custody.

2. Non-target compounds were not detected in these samples.

3. All surrogate recoveries were within EPA QC limits.

4. All matrix spike recoveries were within EPA QC limits.

5. All blank spike recoveries were within EPA QC limits.

6. The method blank contained the common laboratory contaminants Methylene Chloride and Acetone at levels less than the CRQL.

7. Internal standard area and retention time criteria were met.

8. These analyses were performed with the method enhancement of a 40°C heated purge to standardize the purge temperature and improve overall purging efficiency.

9. I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Steven O Weeks

J. Michael Taylor
Vice President
Philadelphia Analytical Laboratory

12-21-98
Date

som\group\data\voa\nys7-066.doc

The results presented in this report relate only to the analytical testing and conditions of the samples at receipt and during storage. All pages of this report are integral parts of the analytical data. Therefore, this report should only be reproduced in its entirety of 128 pages.

208 Welsh Pool Road • Lionville, PA 19341-1333 • (610)-280-3000 • Fax (610) 280-3041

Recra LabNet Philadelphia Sample Discrepancy Report (SDR) SDR #: 93-MS03

Initiator: J Stone
Date: 8/6/98
Client: NYSDEC

RFW Batch: 980726R6
Samples: all
Method: SW846/MCAWW/CLP/

Parameter: all
Matrix: W
Prep Batch: _____

1. Reason for SDR

a. COC Discrepancy __ Tech Profile Error __ Client Request __ Sampler Error on C-O-C
__ Transcription Error __ Wrong Test Code ✓ Other wrong receipt date

b. General Discrepancy

__ Missing Sample/Extract __ Container Broken __ Wrong Sample Pulled __ Label ID's Illegible
__ Hold Time Exceeded __ Insufficient Sample __ Preservation Wrong __ Received Past Hold
__ Improper Bottle Type __ Not Amenable to Analysis

Note: Verified by [Log-In] or [Prep Group] (circle)...signature/date: _____

c. QC Problem (Include all relevant specific results; attach data if necessary)

2. Known or Probable Causes(s)

3. Discussion and Proposed Action Other Description:

__ Re-log
__ Entire Batch
__ Following Samples: _____
__ Re-leach
__ Re-extract
__ Re-digest
__ Revise EDD
__ Change Test Code to _____
__ Place On/Take Off Hold (circle)

4. Project Manager Instructions...signature/date: JS 8/10/98

__ Concur with Proposed Action
__ Disagree with Proposed Action; See Instruction
__ Include in Case Narrative
__ Client Contacted:
Date/Person _____
__ Add
__ Cancel

per receipt signatures, receipt date should be 7/29/98 (top of chain + CIMS)

5. Final Action...signature/date: JS 8/10/98

__ Verified re-[log][leach][extract][digest][analysis] (circle)
__ Included in Case Narrative
__ Hard Copy COC Revised
__ Electronic COC Revised
__ EDD Corrections Completed

Other Explanation: (also fix due date)

When Final Action has been recorded, forward original to QA Specialist for distribution and filing.

Route	Distribution of Completed SDR	Route	Distribution of Completed SDR
—	X Initiator	—	✓ Metals: Doughty
—	X Lab Manager: J. Michael Taylor	—	Inorganic: Perrone
—	X Project Mgr: JS	—	✓ GC/LC: Rycklak/Schnell
—	X Section Mgr: Sery/Durkee/Daniels	—	✓ MS: LeMin/McIntyre/Taylor/Kasdras
—	X QA (file): Racioppi	(T)	Log-in: Toder
—	Data Management: Feldman	—	Admin: Soos
—	Sample Prep: Schnell/Doughty/Kauffman	—	Other: _____

L-WI-006/E-07/98

Recra LabNet - Lionville Laboratory

Volatiles by GC/MS, HSL List

RFW Batch Number: **9807L066** Client: **NYSDEC** Work Order: 01667600001 Report Date: 11/29/98 11:32 Page: 1a

	Cust ID:	NF698070501	NF698070501	NF698070501	NF698070502	NF698070503	TRIP BLANK
Sample Information	RFW#:	001	001 MS	001 MSD	002	003	004
	Matrix:	WATER	WATER	WATER	WATER	WATER	WATER
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Surrogate Recovery	Toluene-d8	102 %	102 %	101 %	103 %	104 %	103 %
	Bromofluorobenzene	99 %	98 %	102 %	102 %	102 %	101 %
	1,2-Dichloroethane-d4	96 %	92 %	100 %	100 %	99 %	96 %
Chloromethane		10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane		10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride		10 U	10 U	10 U	2 J	5 J	10 U
Chloroethane		10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride		5 B	6 B	4 JB	4 JB	5 B	6 B
Acetone		5 JB	10 U	10 U	10 U	5 JB	7 JB
Carbon Disulfide		5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene		5 U	82 %	78 %	5 U	5 U	5 U
1,1-Dichloroethane		5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)		5 U	5 U	5 U	8	39	5 U
Chloroform		5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane		5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone		10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane		5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride		5 U	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane		5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane		5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene		5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene		2 J	86 %	90 %	5 U	2 J	5 U
Dibromochloromethane		5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane		5 U	5 U	5 U	5 U	5 U	5 U
Benzene		5 U	92 %	96 %	5 U	5 U	5 U
Trans-1,3-Dichloropropene		5 U	5 U	5 U	5 U	5 U	5 U
Bromoform		5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone		10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone		10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene		5 U	5 U	5 U	5 U	2 J	5 U
1,1,2,2-Tetrachloroethane		5 U	5 U	5 U	5 U	5 U	5 U
Toluene		5 U	94 %	94 %	5 U	5 U	5 U

*= Outside of EPA CLP QC limits.

13

RFW Batch Number: 9807L066 Client: NYSDEC Work Order: 01667600001 Page: 1b

Cust ID:	NF698070501	NF698070501	NF698070501	NF698070502	NF698070503	TRIP BLANK
RFW#:	001	001 MS	001 MSD	002	003	004
Chlorobenzene	5 U	93 %	95 %	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	5 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	5 U	5 U	5 U	5 U	5 U	5 U

*= Outside of EPA CLP QC limits.

		Cust ID:	VBLKOV		VBLKOV BS	
Sample Information		RFW#:	98LVH360-MB1		98LVH360-MB1	
		Matrix:	WATER		WATER	
		D.F.:	1.00		1.00	
		Units:	UG/L		UG/L	
Surrogate Recovery	Toluene-d8		101	%	102	%
	Bromofluorobenzene		101	%	100	%
	1,2-Dichloroethane-d4		96	%	99	%
Chloromethane			10	U	10	U
Bromomethane			10	U	10	U
Vinyl Chloride			10	U	10	U
Chloroethane			10	U	10	U
Methylene Chloride			5	J	7	B
Acetone			8	J	7	JB
Carbon Disulfide			5	U	5	U
1,1-Dichloroethene			5	U	76	%
1,1-Dichloroethane			5	U	5	U
1,2-Dichloroethene (total)			5	U	5	U
Chloroform			5	U	5	U
1,2-Dichloroethane			5	U	5	U
2-Butanone			10	U	10	U
1,1,1-Trichloroethane			5	U	5	U
Carbon Tetrachloride			5	U	5	U
Bromodichloromethane			5	U	5	U
1,2-Dichloropropane			5	U	5	U
cis-1,3-Dichloropropene			5	U	5	U
Trichloroethene			5	U	86	%
Dibromochloromethane			5	U	5	U
1,1,2-Trichloroethane			5	U	5	U
Benzene			5	U	92	%
Trans-1,3-Dichloropropene			5	U	5	U
Bromoform			5	U	5	U
4-Methyl-2-pentanone			10	U	10	U
2-Hexanone			10	U	10	U
Tetrachloroethene			5	U	5	U
1,1,2,2-Tetrachloroethane			5	U	5	U
Toluene			5	U	91	%

*= Outside of EPA CLP QC limits.

	Cust ID:	VBLKOV		VBLKOV BS	
	RFW#:	98LVH360-MB1		98LVH360-MB1	
Chlorobenzene		5	U	92	%
Ethylbenzene		5	U	5	U
Styrene		5	U	5	U
Xylene (total)		5	U	5	U

*= Outside of EPA CLP QC limits.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NF698070501

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9807L066-001

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: h080311

Level: (low/med) LOW Date Received: 07/29/98

% Moisture: not dec. _____ Date Analyzed: 08/03/98

GC Column: ID: ____(mm) Dilution Factor: 1.00

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

NF698070501

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9807L066-001

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: h080311

Level: (low/med) LOW Date Received: 07/29/98

% Moisture: not dec. _____ Date Analyzed: 08/03/98

GC Column: ID: ____(mm) Dilution Factor: 1.00

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

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NF698070502

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9807L066-002

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: h080314

Level: (low/med) LOW Date Received: 07/29/98

% Moisture: not dec. _____ Date Analyzed: 08/03/98

GC Column: ID: ____(mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	2	J
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	4	JB
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	8	
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NF698070502

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9807L066-002

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: h080314

Level: (low/med) LOW Date Received: 07/29/98

% Moisture: not dec. _____ Date Analyzed: 08/03/98

GC Column: ID: ____(mm) Dilution Factor: 1.00

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

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NF698070503

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9807L066-003

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: h080315

Level: (low/med) LOW Date Received: 07/29/98

% Moisture: not dec. _____ Date Analyzed: 08/03/98

GC Column: ID: ____(mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	5	J
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	B
67-64-1	Acetone	5	JB
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	39	
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	J
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	2	J
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NF698070503

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9807L066-003

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: h080315

Level: (low/med) LOW Date Received: 07/29/98

% Moisture: not dec. _____ Date Analyzed: 08/03/98

GC Column: ID: ____(mm) Dilution Factor: 1.00

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

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

RECRA LabNet
a division of Recra Environmental, Inc.
Virtual Laboratories Everywhere

Recra LabNet Philadelphia
Analytical Report

Client : NYSDEC
RFW# : 9807L066
ELAP# 10752

W.O.# : 01667-600-001-9999-00
Date Received : 07-29-98

SW846 METALS

1. This narrative covers the analyses of 3 soil samples.

2. The samples were prepared and analyzed in accordance with SW-846 protocol and reported with CLP deliverable and NYSDEC ASP.

3. ICVs, CCVs, and LCSs stock standards were purchased from Inorganic Ventures Laboratory and High Purity.

4. All analyses were performed within the required holding times.

5. The cooler temperature has been recorded on the Chain of Custody.

6. All Initial and Continuing Calibration Verifications (ICV/CCVs) were within control limits with the exception of the ending CCV for 9 analytes. All samples that have been reported are bracketed by CCVs that are within control limits. Therefore, there is no bias to the data.

7. All Initial and Continuing Calibration Blanks (ICB/CCBs) were within method criteria.

8. All preparation/method blanks were below client requested detection limits found in the NYSDEC ASP. Refer to form 3.

9. All ICP Interference Check Standards were within control limits. Refer to form 4.

10. All laboratory control samples (LCS) were within the 80-120% control limits. Refer to form 7.

11. Matrix spike analyses were not requested by the client.

The results presented in this report relate only to the analytical testing and conditions of the samples at receipt and during storage. All pages of this report are integral parts of the analytical data. Therefore, this report should only be reproduced in its entirety of 135 pages.

12. All sample IDs were changed to accommodate the EPA naming convention which allows a maximum of 6 characters on all CLP Forms. Refer to the comments section of form 1 for the original ID.

13. Recoveries on the Laboratory Summary Report and CLP forms will vary depending on the number of significant figures used in the recovery calculation.

Pat Ez

Chuck Stefanosky
Laboratory Director
Lionville Analytical Laboratory

9-8-95
Date

gmb\m07-066

U.S. EPA

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

070501

Lab Name: RECRA_LABNET Contract: 01667

Lab Code: RECRA Case No.: NF698 SAS No.: SDG No.: 070501

Matrix (soil/water): WATER Lab Sample ID: 9807L066-001

Level (low/med): LOW Date Received: 07/29/98

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	3.6	U		P
7440-38-2	Arsenic	11.2			P
7440-39-3	Barium	164			P
7440-41-7	Beryllium	0.52			P
7440-43-9	Cadmium	0.40	U		P
7440-47-3	Chromium	13.5			P
7440-48-4	Cobalt	8.5			P
7440-50-8	Copper	49.9			P
7439-92-1	Lead	6.1			P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	16.8			P
7782-49-2	Selenium	3.6	U		P
7440-22-4	Silver	1.0	U		P
7440-28-0	Thallium	4.4	U		P
7440-62-2	Vanadium	18.4			P
7440-66-6	Zinc	64.0			P
7440-31-5	Tin	4.0	U		P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

~~NF698-0705-01~~ NF698070501

No dashes MD 9/4/98

FORM I - IN

U.S. EPA

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

070502

Lab Name: RECRA_LABNET Contract: 01667

Lab Code: RECRA Case No.: NF698 SAS No.: SDG No.: 070501

Matrix (soil/water): WATER Lab Sample ID: 9807L066-002

Level (low/med): LOW Date Received: 07/29/98

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	3.7			P
7440-38-2	Arsenic	20.4			P
7440-39-3	Barium	315			P
7440-41-7	Beryllium	1.5			P
7440-43-9	Cadmium	0.40	U		P
7440-47-3	Chromium	33.7			P
7440-48-4	Cobalt	16.5			P
7440-50-8	Copper	158			P
7439-92-1	Lead	22.8			P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	43.1			P
7782-49-2	Selenium	4.4			P
7440-22-4	Silver	1.0	U		P
7440-28-0	Thallium	11.0			P
7440-62-2	Vanadium	51.5			P
7440-66-6	Zinc	157			P
7440-31-5	Tin	4.0	U		P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

~~NF698-0705-02~~ MD 9/4/98 NF698070502

No Dashes

FORM I - IN

U.S. EPA

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

070503

Lab Name: RECRA_LABNET Contract: 01667

Lab Code: RECRA Case No.: NF698 SAS No.: SDG No.: 070501

Matrix (soil/water): WATER Lab Sample ID: 9807L066-003

Level (low/med): LOW Date Received: 07/29/98

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	3.6	U		P
7440-38-2	Arsenic	31.8			P
7440-39-3	Barium	571			P
7440-41-7	Beryllium	2.5			P
7440-43-9	Cadmium	7.5			P
7440-47-3	Chromium	68.3			P
7440-48-4	Cobalt	33.1			P
7440-50-8	Copper	380			P
7439-92-1	Lead	158			P
7439-97-6	Mercury	0.23			AV
7440-02-0	Nickel	79.8			P
7782-49-2	Selenium	11.8			P
7440-22-4	Silver	2.6			P
7440-28-0	Thallium	21.3			P
7440-62-2	Vanadium	84.0			P
7440-66-6	Zinc	304			P
7440-31-5	Tin	8.8			P

Color Before: Clarity Before: Texture:

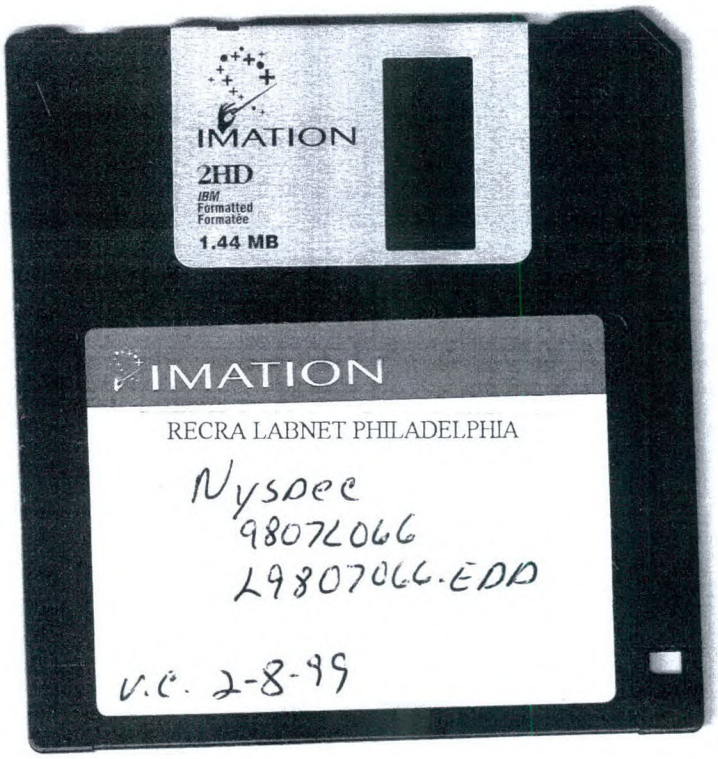
Color After: Clarity After: Artifacts:

Comments:

~~NF698-0705-03~~ MD 9/4/98 NF698070503

No dashes

FORM I - IN


IMATION
2HD
IBM
Formatted
Formatée
1.44 MB
IMATION
RECRA LABNET PHILADELPHIA
Nysdec
9807066
L9807066.EDD
V.C. 2-8-99

RECRA
LabNet
a division of Recra Environmental, Inc.
Virtual Laboratories Everywhere

8 February 1999

Mr. Jack Ryan
NYSDEC
Room 392
50 Wolf Road
Albany, NY 12233-3502

Ref: Contract C003783
EDD: RFW Batch 9807L066
NYSDEC ID: NF698-0705-01 to 03, TB

Dear Mr. Ryan:

The EDD for 4 water samples received 29 July 1998 for analysis for VOAs, SVOAs, pesticides/PCBs, and metals has been emailed to you and is being sent to the sampler.

Please do not hesitate to contact me at (610) 280-3000 with any questions you may have.

Very truly yours,

Recra LabNet Philadelphia

Judith L. Stone
Senior Project Manager

Enclosure

cc: Bruce Armstrong (NYSDEC) - disk

RECEIVED
FEB 1 0
BUREAU OF PROGRAM MANAGEMENT
DIVISION OF
SOLID & HAZARDOUS MATERIALS

208 Welsh Pool Road • Lionville, PA 19341-1333 • (610)-280-3000 • Fax (610) 280-3041