

APPENDIX H - PRE & POST MERCURY WIPE SAMPLING



INDUSTRIAL HYGIENE

• EPA NVLAP 161262-0
• AIHA ACCREDITATION NO. 100439
• NC DENR 599

ENVIRONMENTAL TESTING

• NY DOH/NELAC 10903
• PA DEP 06-353
• NJ DEP PA020
• CT DPH PH-0238

September 19, 2002

Fred Burkhardt
ATC Associates
104 East 25th Street
10th Floor
New York, NY 10010-2917

TEL: (212) 353-8280
FAX (212) 353-8306

RE: 125 Cedar Street - Mercury Wipes

Order No.: R02090550

Dear Fred Burkhardt:

PSC Analytical Services received 66 samples on 9/17/02 10:30:00 AM for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael J. Salum".

Michael J Salum
General Manager

4418 Pottsville Pike, Reading, PA 19605 610-921-8833 FAX 610-921-8407


PSC Analytical Services

4418 Pottsville Pike

Reading, PA 19605

phone: (610) 921-8833

fax: (610) 921-9667 or 921-8407

CHAIN OF CUSTODY

PSC Work Order #

R02890550

Page 3 of 2

JOB ID: 125 CEDAR STREET

Report Results To:	PO #	Quote #
Name <u>FILED BURCKHARDT</u>		
Company <u>104 E 25 ST</u>		
Mailing Address <u>104 E 25 ST</u>	State <u>N.Y.</u>	ZIP <u>10010</u>
City <u>N.Y.</u>		
Telephone #	Fax #	
Name		
Company		
Mailing Address	State <u>STATE</u>	ZIP
City		
Telephone #	Fax #	
Credit Card Info (include exp. date)		

Sampling Location (Specify State):

(Rush TAT requires Lab approval)

Due Date:

Full Data Package

Reduced Deliverables Package

Electronic Data Deliverables

UST NPDES MIPP RCRA Stormwater DEP (PWS #)

SAMPLE DESCRIPTION (ID must match container labels)

Final Air Volume

Matrix Type

Sampling Info

Date

Time

10 95 - M - W

H

F

40 7N - M - W

H

F

85 - M - W

H

F

10

11 X 19

Wipes 9/12/02

ANALYSIS REQUESTED

Use attachments if necessary.

Please specify method requirements.

Preservatives Key:

A = Ascorbic Acid

C = HCl

H = HNO3

I = Ice

N = NaOH

O = Other:

N2 = Na2SO3

S = H2SO4

Z = ZnAcetate

X = None

Preservatives (See above key; list all that apply)

Type (P=Plastic, G=Glass, A=Air)

Container Volume (Liter, etc)

Number of Containers

(3) Relinquished by:

(6) Received at Lab:

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PSC Analytical Services

4418 Pottsville Pike

Reading, PA 19605

phone: (610) 921-8833

fax: (610) 921-9667 or 921-8407

CHAIN OF CUSTODY

PSC Work Order #

202030550

Page 5 of 8

Report Results To: Name: <u>FRD Burchhardt</u> Company: <u>ATC Associates</u> Mailing Address: <u>104 E. 25th St</u> City: <u>N.Y.</u> State: <u>N.Y.</u> ZIP: <u>10010</u> Telephone #: _____ Fax #: _____ Name: _____ Company: _____ Mailing Address: <u>SAME</u> City: _____ State: _____ ZIP: _____ Telephone #: _____ Fax #: _____ Credit Card Info (include exp. date): _____		Submit Invoice To: Name: _____ Company: _____ Mailing Address: _____ City: _____ State: _____ ZIP: _____ Telephone #: _____ Fax #: _____ Credit Card Info (include exp. date): _____		JOB ID: <u>125 CEDAR ST</u> ANALYSIS REQUESTED Use attachments if necessary. Please specify method requirements. MERCURY	
---	--	---	--	---	--

Preservatives Key:
 A = Ascorbic Acid
 C = HCl
 H = HNO3
 I = Ice
 N = NaOH
 O = Other: _____
 N2 = Na2SO3
 S = H2SO4
 Z = ZnAcetate
 X = None

REPORTING REQUIREMENTS (Circle all that apply)

Full Data Package Reduced Deliverables Package Electronic Data Deliverables

UST NPDES MIPP RCRA Stormwater DEP (PWS #)

#	SAMPLE DESCRIPTION (ID must match container labels)	Final Air Volume CM (L or mm)	Matrix Type	Sampling Info	
				Date	Time
1	65-M-W	11A/7	Wipes	1/2/02	
2	H				
3	F				
4	6N-M-W				
5	H				
6	F				
7	55-M-W				
8	H				
9	F				
10					

(1) Relinquished by: <u>Richard Edwards</u>	Date <u>9/10/02</u>	(2) Received by:	Time	(3) Relinquished by:	Date	Time
(4) Received by:	Date	(5) Relinquished by:	Time	(6) Received at Lab:	Date	Time

Method of Delivery: UPS **FED-EX** PAS Courier Client US Mail Other



PSC Analytical Services

4418 Pottsville Pike

Reading, PA 19605

phone: (610) 921-8833

fax: (610) 921-9667 or 921-8407

CHAIN OF CUSTODY

PSC Work Order #

R02090550

Page 6 of 6

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Method of Delivery:

UPS

FED-EX

PAS Courier

Client

US Mail

Other

PSC ANALYTICAL SERVICES

4418 Pottsville Pike phone: (610) 921-8833
Reading, PA 19605 fax: (610) 921-9667

AIR SAMPLING
wipe sample
CHAIN OF CUSTODY

PSC Work Order #

R02090550

Page 8 of 8

Report Results To:		Quote #	
Name	Fred Buckhardt		
Company	ATC Associates		
Mailing Address	104 East 25th Street		
City	NY	State	NY
Telephone #		ZIP	10010
Fax #			

Submit Invoice To:		Name	
		S. M. M.	
Mailing Address		Company	
City	State	ZIP	
Telephone #	Fax #		
Credit Card Info (include exp. date)			

COMMON MATRIX TYPES

- Badge (OVM/Passive Monitor)
- Tube (specify type: charcoal, silica, XAD, etc)
- Train (filter + tube, 2 tubes in series, etc)
- Filter/Cassette (specify PVC, MCE, GFF, etc.)
- Impinger Solutions (specify components)
- Wipe (specify type)
- Tedlar Bag
- Summa Can
- PUF/Resin/XAD
- Other (list details):

Job/Project Name:

Sampler's Name(s):

Sampling Location (Specify State):

Due Date (Rush results requires Lab approval):

REPORTING REQUIREMENTS (Circle all that apply):

Full Data Package Reduced Deliverables Pkg Electronic Data Deliverables

#	SAMPLE DESCRIPTION (ID must match container labels)	MATRIX (see above list)	MEDIA (list catalog number)	FINAL AIR VOLUME (specify: Liters, minutes, etc)	SAMPLE DATE	SAMPLE TIMES			FLOW RATES (specify units:)	ANALYSIS REQUESTED <i>Use attachments if necessary. Please specify method requirements.</i>
						Start	Stop	Average		
(1)	2N-M-V		wipe	11x19 cm	9/13/02					Mercury
(2)	H									
(3)	F									
4										
5										
6										
7										
8										
9										
10										

1) Relinquished by: *Dr. S. Sallami* Date: 9/13/02 Time:

3) Relinquished by: Date: Time:

(2) Received by: Date: Time:

(4) Received by: Date: 9.17.02 Time: 3:30

Method of Delivery: UPS FED-EX PSC Courier Client IIS Mail Other

PSC Analytical Services

Sample Receipt Checklist

Client Name ATC ASSOCIATES

Date and Time Receive 9/17/2002 10:30:00 AM

Work Order Number R02090550

Received by DMT

Checklist completed by

[Signature] 9/17/02
Signature Date

Reviewed by

[Signature] 9/18/02
Initials Date

Matrix:

Carrier name FedEx

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☒	Yes ☐	No ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☒	

Adjusted?

Checked by

Any No and/or NA (not applicable) response must be detailed in the comments section below

Client contacted

Fred Burkhardt

Date contacted:

9/17/02

Person contacted

Fred Burkhardt

Contacted by:

[Signature]

Regarding:

Missing sample & duplicate sample

Comments:

2 samples labeled 2N-m-H
No sample labeled 2N-m-W (on coc page 8)

Corrective Action

Logged in the 2 identical samples as
2N-m-H (A)
2N-m-H (B) per Fred Burkhardt



INDUSTRIAL HYGIENE

ENVIRONMENTAL TESTING

• EPANVLAP 101262-0
• AIHA ACCREDITATION NO. 100439
• NC DENR 599

• NY DOHMH 10903
• PA DEP 06-353

• NJ DEP PA020
• CT DPH PH-0238

Date: 19-Sep-02

CLIENT: ATC Associates
Project: 125 Cedar Street - Mercury Wipes

Lab Order: R02090550

Lab ID: R02090550-01

Collection Date: 9/12/02

Client Sample ID: 2N-M-H (A)

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	9/19/02 8:30:00 AM

Lab ID: R02090550-02

Collection Date: 9/12/02

Client Sample ID: 2N-M-H (B)

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	9/19/02 8:30:00 AM

Lab ID: R02090550-03

Collection Date: 9/12/02

Client Sample ID: 2N-M-F

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	9/19/02 8:30:00 AM

Lab ID: R02090550-04

Collection Date: 9/12/02

Client Sample ID: 3S-M-W

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.011	0.010		µg, Total	1	9/19/02 8:30:00 AM

Lab ID: R02090550-05

Collection Date: 9/12/02

Client Sample ID: 3S-M-H

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.070	0.010		µg, Total	1	9/19/02 8:30:00 AM

Qualifiers:
BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



INDUSTRIAL HYGIENE

• EPA NVLAP 101262-0
• AIHA ACCREDITATION NO. 100439
• NC DENR 589

ENVIRONMENTAL TESTING

• NY DOH NELAC 10803
• PA DEP 06-353
• NJ DEP PA020
• CT DPH PH-0238

Date: 19-Sep-02

CLIENT: ATC Associates
Project: 125 Cedar Street - Mercury Wipes

Lab Order: R02090550

Lab ID:	R02090550-06	Collection Date:	9/12/02
Client Sample ID:	3S-M-F	Matrix:	WIPE
Analyses	Result	Limit Qual Units	DF Date Analyzed
MERCURY, TOTAL	SW7471		Analyst: JDC
Mercury	0.120	0.010 µg, Total	1 9/19/02 8:30:00 AM

Lab ID:	R02090550-07	Collection Date:	9/12/02
Client Sample ID:	3N-M-W	Matrix:	WIPE
Analyses	Result	Limit Qual Units	DF Date Analyzed
MERCURY, TOTAL	SW7471		Analyst: JDC
Mercury	0.206	0.010 µg, Total	1 9/19/02 8:30:00 AM

Lab ID:	R02090550-08	Collection Date:	9/12/02
Client Sample ID:	3N-M-H	Matrix:	WIPE
Analyses	Result	Limit Qual Units	DF Date Analyzed
MERCURY, TOTAL	SW7471		Analyst: JDC
Mercury	BRL	0.010 µg, Total	1 9/19/02 8:30:00 AM

Lab ID:	R02090550-09	Collection Date:	9/12/02
Client Sample ID:	3N-M-F	Matrix:	WIPE
Analyses	Result	Limit Qual Units	DF Date Analyzed
MERCURY, TOTAL	SW7471		Analyst: JDC
Mercury	0.036	0.010 µg, Total	1 9/19/02 8:30:00 AM

Lab ID:	R02090550-10	Collection Date:	9/12/02
Client Sample ID:	2S-M-W	Matrix:	WIPE
Analyses	Result	Limit Qual Units	DF Date Analyzed
MERCURY, TOTAL	SW7471		Analyst: JDC
Mercury	BRL	0.010 µg, Total	1 9/19/02 8:30:00 AM

Qualifiers:
BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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INDUSTRIAL HYGIENE

• EPAN/LAP 101262-0
• AIHA ACCREDITATION NO. 100439
• NC DENR 599

ENVIRONMENTAL TESTING

• NY DOHMH 10903
• PA DEP 06-353
• NJ DEP PA020
• CT DPH PH-0238

Date: 19-Sep-02

CLIENT: ATC Associates
Project: 125 Cedar Street - Mercury Wipes

Lab Order: R02090550

Lab ID:	R02090550-11	Collection Date:	9/12/02
Client Sample ID:	2S-M-H	Matrix:	WIPE
Analyses	Result	Limit	Qual Units DF Date Analyzed
MERCURY, TOTAL		SW7471	
Mercury	BRL	0.010	µg, Total 1 9/19/02 8:30:00 AM

Lab ID:	R02090550-12	Collection Date:	9/12/02
Client Sample ID:	2S-M-F	Matrix:	WIPE
Analyses	Result	Limit	Qual Units DF Date Analyzed
MERCURY, TOTAL		SW7471	
Mercury	0.012	0.010	µg, Total 1 9/19/02 8:30:00 AM

Lab ID:	R02090550-13	Collection Date:	9/12/02
Client Sample ID:	5N-M-W	Matrix:	WIPE
Analyses	Result	Limit	Qual Units DF Date Analyzed
MERCURY, TOTAL		SW7471	
Mercury	0.344	0.010	µg, Total 1 9/19/02 8:30:00 AM

Lab ID:	R02090550-14	Collection Date:	9/12/02
Client Sample ID:	5N-M-H	Matrix:	WIPE
Analyses	Result	Limit	Qual Units DF Date Analyzed
MERCURY, TOTAL		SW7471	
Mercury	0.068	0.010	µg, Total 1 9/19/02 8:30:00 AM

Lab ID:	R02090550-15	Collection Date:	9/12/02
Client Sample ID:	5N-M-F	Matrix:	WIPE
Analyses	Result	Limit	Qual Units DF Date Analyzed
MERCURY, TOTAL		SW7471	
Mercury	0.044	0.010	µg, Total 1 9/19/02 8:30:00 AM

Qualifiers:

- BRL - Below Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level

- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range



INDUSTRIAL HYGIENE

ENVIRONMENTAL TESTING

• EPAM/LAP 101262-0
• AIHA ACCREDITATION NO. 100439
• NC DENR 599

• NY DOH/NELAC 10903
• PA DEP 06-353

• NJ DEP PA020
• CT DPH PH-0238

Date: 19-Sep-02

CLIENT: ATC Associates
Project: 125 Cedar Street - Mercury Wipes

Lab Order: R02090550

Lab ID: R02090550-16

Collection Date: 9/12/02

Client Sample ID: 4S-M-W

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg. Total	1	9/19/02 8:30:00 AM

Lab ID: R02090550-17

Collection Date: 9/12/02

Client Sample ID: 4S-M-H

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.023	0.010		µg. Total	1	9/19/02 8:30:00 AM

Lab ID: R02090550-18

Collection Date: 9/12/02

Client Sample ID: 4S-M-F

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.037	0.010		µg. Total	1	9/19/02 8:30:00 AM

Lab ID: R02090550-19

Collection Date: 9/12/02

Client Sample ID: 4N-M-W

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.166	0.010		µg. Total	1	9/19/02 8:30:00 AM

Lab ID: R02090550-20

Collection Date: 9/12/02

Client Sample ID: 4N-M-H

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.104	0.010		µg. Total	1	9/19/02 8:30:00 AM

Qualifiers:
BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



INDUSTRIAL HYGIENE

• EPANVLAP 101262-0
• AIHA ACCREDITATION NO. 100439
• NC DENR 589

ENVIRONMENTAL TESTING

• NY DOHMH 10803
• PA DEP 06-353
• NJ DEP PA020
• CT DPH PH-0238

Date: 19-Sep-02

CLIENT: ATC Associates
Project: 125 Cedar Street - Mercury Wipes

Lab Order: R02090550

Lab ID:	R02090550-21	Collection Date:	9/12/02
Client Sample ID:	4N-M-F	Matrix:	WIPE
Analyses	Result	Limit	Qual Units DF Date Analyzed
MERCURY, TOTAL	SW7471		
Mercury	0.064	0.010	µg. Total 1 9/19/02 8:30:00 AM
			Analyst: JDC

Lab ID:	R02090550-22	Collection Date:	9/12/02
Client Sample ID:	6S-M-W	Matrix:	WIPE
Analyses	Result	Limit	Qual Units DF Date Analyzed
MERCURY, TOTAL	SW7471		
Mercury	0.236	0.010	µg. Total 1 9/19/02 8:30:00 AM
			Analyst: JDC

Lab ID:	R02090550-23	Collection Date:	9/12/02
Client Sample ID:	6S-M-H	Matrix:	WIPE
Analyses	Result	Limit	Qual Units DF Date Analyzed
MERCURY, TOTAL	SW7471		
Mercury	0.032	0.010	µg. Total 1 9/19/02 8:30:00 AM
			Analyst: JDC

Lab ID:	R02090550-24	Collection Date:	9/12/02
Client Sample ID:	6S-M-F	Matrix:	WIPE
Analyses	Result	Limit	Qual Units DF Date Analyzed
MERCURY, TOTAL	SW7471		
Mercury	0.132	0.010	µg. Total 1 9/19/02 8:30:00 AM
			Analyst: JDC

Lab ID:	R02090550-25	Collection Date:	9/12/02
Client Sample ID:	6N-M-W	Matrix:	WIPE
Analyses	Result	Limit	Qual Units DF Date Analyzed
MERCURY, TOTAL	SW7471		
Mercury	0.043	0.010	µg. Total 1 9/19/02 8:30:00 AM
			Analyst: JDC

Qualifiers:

- BRL - Below Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level

- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range



INDUSTRIAL HYGIENE

ENVIRONMENTAL TESTING

• EPANVLAP 101262-0
• AIHA ACCREDITATION NO. 100439
• NC DENR 599

• NY DOH/NELAC 10903
• PA DEP 06-353

• NJ DEP PA020
• CT DPH PH-0238

Date: 19-Sep-02

CLIENT: ATC Associates
Project: 125 Cedar Street - Mercury Wipes

Lab Order: R02090550

Lab ID: R02090550-26 **Collection Date:** 9/12/02
Client Sample ID: 6N-M-H **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.043	0.010		µg, Total	1	9/19/02 8:30:00 AM

Lab ID: R02090550-27 **Collection Date:** 9/12/02
Client Sample ID: 6N-M-F **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.039	0.010		µg, Total	1	9/19/02 8:30:00 AM

Lab ID: R02090550-28 **Collection Date:** 9/12/02
Client Sample ID: 5S-M-W **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	9/19/02 8:30:00 AM

Lab ID: R02090550-29 **Collection Date:** 9/12/02
Client Sample ID: 5S-M-H **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.024	0.010		µg, Total	1	9/19/02 8:30:00 AM

Lab ID: R02090550-30 **Collection Date:** 9/12/02
Client Sample ID: 5S-M-F **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.078	0.010		µg, Total	1	9/19/02 8:30:00 AM

Qualifiers:
BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



INDUSTRIAL HYGIENE

ENVIRONMENTAL TESTING

• EPA NVLAP 101262-0
• AIHA ACCREDITATION NO. 100439
• NC DENR 599

• NY DOH NELAC 10903
• PA DEP 06-363

• NJ DEP PA020
• CT DPH PH-0238

Date: 19-Sep-02

CLIENT: ATC Associates
Project: 125 Cedar Street - Mercury Wipes

Lab Order: R02090550

Lab ID: R02090550-31

Collection Date: 9/12/02

Client Sample ID: 8N-M-W

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.168	0.010		µg, Total	1	9/19/02 8:30:00 AM

Lab ID: R02090550-32

Collection Date: 9/12/02

Client Sample ID: 8N-M-H

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.060	0.010		µg, Total	1	9/19/02 8:30:00 AM

Lab ID: R02090550-33

Collection Date: 9/12/02

Client Sample ID: 8N-M-F

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.047	0.010		µg, Total	1	9/19/02 8:30:00 AM

Lab ID: R02090550-34

Collection Date: 9/12/02

Client Sample ID: 7S-M-W

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.015	0.010		µg, Total	1	9/19/02 8:30:00 AM

Lab ID: R02090550-35

Collection Date: 9/12/02

Client Sample ID: 7S-M-H

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.041	0.010		µg, Total	1	9/19/02 8:30:00 AM

Qualifiers:

BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



INDUSTRIAL HYGIENE

ENVIRONMENTAL TESTING

• EPAN/LAP 101262-0
• AIHA ACCREDITATION NO. 100439
• NC DENR 599

• NY DOH/NELAC 10903
• PA DEP 06-353

• NJ DEP PA020
• CT DPH PH-0238

Date: 19-Sep-02

CLIENT: ATC Associates
Project: 125 Cedar Street - Mercury Wipes

Lab Order: R02090550

Lab ID: R02090550-36

Collection Date: 9/12/02

Client Sample ID: 7S-M-F

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.037	0.010		µg, Total	1	9/19/02 8:30:00 AM

Lab ID: R02090550-37

Collection Date: 9/12/02

Client Sample ID: 7N-M-W

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.096	0.010		µg, Total	1	9/19/02 8:30:00 AM

Lab ID: R02090550-38

Collection Date: 9/12/02

Client Sample ID: 7N-M-H

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.130	0.010		µg, Total	1	9/19/02 8:30:00 AM

Lab ID: R02090550-39

Collection Date: 9/12/02

Client Sample ID: 7N-M-F

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.060	0.010		µg, Total	1	9/19/02 8:30:00 AM

Lab ID: R02090550-40

Collection Date: 9/12/02

Client Sample ID: 9S-M-W

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	9/19/02 8:30:00 AM

Qualifiers:
BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



INDUSTRIAL HYGIENE

ENVIRONMENTAL TESTING

• EPA 821-A-01-001
• AIHA ACCREDITATION NO. 100439
• NC DENR 589

• NY DOH 10903
• PA DEP 08-353

• NJ DEP PA020
• CT DPH PH-0238

Date: 19-Sep-02

CLIENT: ATC Associates
Project: 125 Cedar Street - Mercury Wipes

Lab Order: R02090550

Lab ID: R02090550-41 **Collection Date:** 9/12/02
Client Sample ID: 9S-M-H **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	9/19/02 8:30:00 AM

Lab ID: R02090550-42 **Collection Date:** 9/12/02
Client Sample ID: 9S-M-F **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.011	0.010		µg, Total	1	9/19/02 8:30:00 AM

Lab ID: R02090550-43 **Collection Date:** 9/12/02
Client Sample ID: 9N-M-W **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	9/19/02 8:30:00 AM

Lab ID: R02090550-44 **Collection Date:** 9/12/02
Client Sample ID: 9N-M-H **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.038	0.010		µg, Total	1	9/19/02 8:30:00 AM

Lab ID: R02090550-45 **Collection Date:** 9/12/02
Client Sample ID: 9N-M-F **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.016	0.010		µg, Total	1	9/19/02 8:30:00 AM

Qualifiers:
BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



INDUSTRIAL HYGIENE

ENVIRONMENTAL TESTING

• EPA NVLAP 101262-0
• AIHA ACCREDITATION NO. 100439
• NC DENR 599

• NY DOH/NELAC 10903
• PA DEP 06-353

• NJ DEP PA020
• CT DPH PH-0238

Date: 19-Sep-02

CLIENT: ATC Associates
Project: 125 Cedar Street - Mercury Wipes

Lab Order: R02090550

Lab ID: R02090550-46

Collection Date: 9/12/02

Client Sample ID: 8S-M-W

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.017	0.010		µg. Total	1	9/19/02 8:30:00 AM

Lab ID: R02090550-47

Collection Date: 9/12/02

Client Sample ID: 8S-M-H

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.014	0.010		µg. Total	1	9/19/02 8:30:00 AM

Lab ID: R02090550-48

Collection Date: 9/12/02

Client Sample ID: 8S-M-F

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.156	0.010		µg. Total	1	9/19/02 8:30:00 AM

Lab ID: R02090550-49

Collection Date: 9/12/02

Client Sample ID: 12N-M-W

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.228	0.010		µg. Total	1	9/19/02 8:30:00 AM

Lab ID: R02090550-50

Collection Date: 9/12/02

Client Sample ID: 12N-M-H

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg. Total	1	9/19/02 8:30:00 AM

Qualifiers:
BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



INDUSTRIAL HYGIENE

• EPA NVLAP 101262-0
• AIHA ACCREDITATION NO. 100439
• NC DENR 599

ENVIRONMENTAL TESTING

• NY DOH/ELAC 10903
• PA DEP 06-353
• NJ DEP PA020
• CT DPH PH-0238

Date: 19-Sep-02

CLIENT: ATC Associates
Project: 125 Cedar Street - Mercury Wipes

Lab Order: R02090550

Lab ID: R02090550-51

Collection Date: 9/12/02

Client Sample ID: 12N-M-F

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.024	0.010		µg, Total	1	9/19/02 8:30:00 AM

Lab ID: R02090550-52

Collection Date: 9/12/02

Client Sample ID: 11S-M-W

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	9/19/02 8:30:00 AM

Lab ID: R02090550-53

Collection Date: 9/12/02

Client Sample ID: 11S-M-H

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	9/19/02 8:30:00 AM

Lab ID: R02090550-54

Collection Date: 9/12/02

Client Sample ID: 11S-M-F

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.021	0.010		µg, Total	1	9/19/02 8:30:00 AM

Lab ID: R02090550-55

Collection Date: 9/12/02

Client Sample ID: 10N-M-W

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.026	0.010		µg, Total	1	9/19/02 8:30:00 AM

Qualifiers:
BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



INDUSTRIAL HYGIENE

• EPANVLAP 101262-0
• AHA ACCREDITATION NO. 100439
• NC DENR 599

ENVIRONMENTAL TESTING

• NY DOH/NELAC 10903
• PA DEP 06-353
• NJ DEP PA020
• CT DPH PH-0238

Date: 19-Sep-02

CLIENT: ATC Associates
Project: 125 Cedar Street - Mercury Wipes

Lab Order: R02090550

Lab ID: R02090550-56 **Collection Date:** 9/12/02
Client Sample ID: 10N-M-H **Matrix:** WIPE
Analyses **Result** **Limit** **Qual** **Units** **DF** **Date Analyzed**
MERCURY, TOTAL **SW7471** **Analyst: JDC**
Mercury BRL 0.010 µg, Total 1 9/19/02 8:30:00 AM

Lab ID: R02090550-57 **Collection Date:** 9/12/02
Client Sample ID: 10N-M-F **Matrix:** WIPE
Analyses **Result** **Limit** **Qual** **Units** **DF** **Date Analyzed**
MERCURY, TOTAL **SW7471** **Analyst: JDC**
Mercury 0.019 0.010 µg, Total 1 9/19/02 8:30:00 AM

Lab ID: R02090550-58 **Collection Date:** 9/12/02
Client Sample ID: PH-M-W **Matrix:** WIPE
Analyses **Result** **Limit** **Qual** **Units** **DF** **Date Analyzed**
MERCURY, TOTAL **SW7471** **Analyst: JDC**
Mercury BRL 0.010 µg, Total 1 9/19/02 8:30:00 AM

Lab ID: R02090550-59 **Collection Date:** 9/12/02
Client Sample ID: PH-M-H **Matrix:** WIPE
Analyses **Result** **Limit** **Qual** **Units** **DF** **Date Analyzed**
MERCURY, TOTAL **SW7471** **Analyst: JDC**
Mercury 0.022 0.010 µg, Total 1 9/19/02 8:30:00 AM

Lab ID: R02090550-60 **Collection Date:** 9/12/02
Client Sample ID: 12SW-M-W **Matrix:** WIPE
Analyses **Result** **Limit** **Qual** **Units** **DF** **Date Analyzed**
MERCURY, TOTAL **SW7471** **Analyst: JDC**
Mercury BRL 0.010 µg, Total 1 9/19/02 8:30:00 AM

Qualifiers:
BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



INDUSTRIAL HYGIENE

• EPANVLAP 101262-0
• AIHA ACCREDITATION NO. 100439
• NC DENR 599

ENVIRONMENTAL TESTING

• NY DOHMH 10803
• PA DEP 08-353
• NJ DEP PA020
• CT DPH PH-0238

Date: 19-Sep-02

CLIENT: ATC Associates
Project: 125 Cedar Street - Mercury Wipes

Lab Order: R02090550

Lab ID:	R02090550-61	Collection Date:	9/12/02
Client Sample ID:	12SW-M-H	Matrix:	WIPE
Analyses	Result	Limit	Qual Units DF Date Analyzed
MERCURY, TOTAL	SW7471		
Mercury	0.250	0.010	µg, Total 1 9/19/02 8:30:00 AM
			Analyst: JDC

Lab ID:	R02090550-62	Collection Date:	9/12/02
Client Sample ID:	12SW-M-F	Matrix:	WIPE
Analyses	Result	Limit	Qual Units DF Date Analyzed
MERCURY, TOTAL	SW7471		
Mercury	0.030	0.010	µg, Total 1 9/19/02 8:30:00 AM
			Analyst: JDC

Lab ID:	R02090550-63	Collection Date:	9/12/02
Client Sample ID:	PH-M-F	Matrix:	WIPE
Analyses	Result	Limit	Qual Units DF Date Analyzed
MERCURY, TOTAL	SW7471		
Mercury	0.027	0.010	µg, Total 1 9/19/02 8:30:00 AM
			Analyst: JDC

Lab ID:	R02090550-64	Collection Date:	9/12/02
Client Sample ID:	12SE-M-W	Matrix:	WIPE
Analyses	Result	Limit	Qual Units DF Date Analyzed
MERCURY, TOTAL	SW7471		
Mercury	0.031	0.010	µg, Total 1 9/19/02 8:30:00 AM
			Analyst: JDC

Lab ID:	R02090550-65	Collection Date:	9/12/02
Client Sample ID:	12SE-M-H	Matrix:	WIPE
Analyses	Result	Limit	Qual Units DF Date Analyzed
MERCURY, TOTAL	SW7471		
Mercury	0.013	0.010	µg, Total 1 9/19/02 8:30:00 AM
			Analyst: JDC

Qualifiers:

- BRL - Below Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level

- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range



INDUSTRIAL HYGIENE

• EPAN/LAP 101262-0
• AIHA ACCREDITATION NO. 100439
• NC DENR 589

ENVIRONMENTAL TESTING

• NY DOH/NELAC 10803
• PA DEP 06-353
• NJ DEP PA020
• CT DPH PH-0238

Date: 19-Sep-02

CLIENT: ATC Associates
Project: 125 Cedar Street - Mercury Wipes

Lab Order: R02090550

Lab ID: R02090550-66

Collection Date: 9/12/02

Client Sample ID: 12SE-M-F

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				
Mercury	0.036	0.010		µg, Total	1	9/19/02 8:30:00 AM

Analyst: JDC

Qualifiers:

BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



INDUSTRIAL HYGIENE

• EPANVLAP 101262-0
• AIHA ACCREDITATION NO. 100439
• NC DENR 598

ENVIRONMENTAL TESTING

• NY DOH/NELAC 10903
• PA DEP 06-353
• NJ DEP PA020
• CT DPH PH-0238

October 16, 2002

Ben Sallemi
ATC Associates
104 East 25th Street
10th Floor
New York, NY 10010-2917

TEL: (212) 353-8280
FAX (212) 353-8306

RE: Mercury Wipes

Order No.: R02100417

Dear Ben Sallemi:

PSC Analytical Services received 80 samples on 10/11/2002 9:30:00 AM for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,


Michael J Salun
General Manager

4418 Pottsville Pike, Reading, PA 19605 610-921-8833 FAX 610-921-8407

PSC Analytical Services

4418 Pottsville Pike

Reading, PA 19605

phone: (610) 921-8833

fax: (610) 921-9667 or 921-8407

CHAIN OF CUSTODY

PSC Work Order #

Page 3 of 11

Report Results To:		PO #		Quote #		JOB ID:	
Name Company Mailing Address City State ZIP Telephone # Fax #		Name Company Mailing Address City State ZIP Telephone # Fax #		Name Company Mailing Address City State ZIP Telephone # Fax #		ANALYSIS REQUESTED Use attachments if necessary. Please specify method requirements.	
Submit Invoice To:		Sampled by:		Sampling Location (Specify State):		Preservatives Key: A = Ascorbic Acid C = HCl H = HNO3 I = Ice N = NaOH O = Other:	
Due Date:		(Rush TAT requires Lab approval)		Electronic Data Deliverables		Preservatives (See above Key; list all that apply) Type (P=Plastic, G=Glass, A=Al) Container Volume (Liter, etc) Number of Containers	
REPORTING REQUIREMENTS (Circle all that apply)							
Full Data Package		Reduced Deliverables Package		Stormwater		DEP (PWS #)	
US1 NPDES		MIPP		RCRA		DEP (PWS #)	
SAMPLE DESCRIPTION (ID must match container labels)		Final Air Volume		Matrix Type		Sampling Info Date Time	
1 1005 - H9 - W		1005 cm ³		1005		10/10/10	
2 1005 - H9 - H		1005 cm ³		1005		10/10/10	
3 1005 - H9 - F		1005 cm ³		1005		10/10/10	
4 1005 - H9 - W		1005 cm ³		1005		10/10/10	
5 1005 - H9 - H		1005 cm ³		1005		10/10/10	
6 1005 - H9 - F		1005 cm ³		1005		10/10/10	
7 1005 - H9 - W		1005 cm ³		1005		10/10/10	
8 1005 - H9 - H		1005 cm ³		1005		10/10/10	
9 1005 - H9 - F		1005 cm ³		1005		10/10/10	
10 1005 - H9 - W		1005 cm ³		1005		10/10/10	
(1) Relinquished by:		Date		(2) Received by:		Date	
(4) Received by:		Date		(5) Relinquished by:		Date	

Method of Delivery:

ups

~~FED-EX~~

PAS Courier

Client

US Mail

Other


PSC Analytical Services

 4418 Pottsville Pike
 Reading, PA 19605

 phone: (610) 921-8833
 fax: (610) 921-9667 or 921-8407

CHAIN OF CUSTODY

PSC Work Order #

R02100417

Page 4 of 12

Report Results To: Name <u>Benjamin Seltman</u> Company <u>ATC Environmental Inc.</u> Mailing Address <u>104 E 5th Street</u> City <u>PA</u> State <u>PA</u> ZIP <u>19106</u> Telephone # <u>215 353 8000</u> Fax # <u>215 353 8300</u>		Submit Invoice To: Name _____ Company _____ Mailing Address _____ City _____ State _____ ZIP _____ Telephone # _____ Fax # _____ Credit Card Info (include exp. date) _____		PO # _____ Quote # _____ JOB ID: <u>15-2296-0002</u>	
ANALYSIS REQUESTED Use attachments if necessary. Please specify method requirements.				Preservatives Key: A = Ascorbic Acid C = HCl H = HNO ₃ I = Ice N = NaOH O = Other: _____ N ₂ = Na ₂ O ₃ S = H ₂ SO ₄ Z = ZnAcetate X = None	
REPORTING REQUIREMENTS (Circle all that apply) Full Data Package Reduced Deliverables Package Electronic Data Deliverables UST NPDES MIPP RCRA Stormwater DEP (PWS #)				Preservatives (See above Key; list all that apply) Type (P=Plastic, G=Glass, A=Air) Container Volume (Liter, etc) Number of Containers	
SAMPLE DESCRIPTION (ID must match container labels)		Final Air Volume <u>100 cm³</u>	Matrix Type <u>W.P.</u>	Sampling Info Date <u>10/09/02</u> Time _____	
1	QA - Hg - H				
2	QA - Hg - F				
3	QS - Hg - W				
4	QS - Hg - H				
5	QS - Hg - F				
6	QN - Hg - W				
7	QN - Hg - H				
8	QN - Hg - F				
9	QN - Hg - BLANK				
10	TS - Hg - W				

(1) Relinquished by: <u>Wag. A</u>	Date <u>10/09/02</u>	Time _____	(2) Received by: _____	Date _____	Time _____	(3) Relinquished by: _____	Date _____	Time _____
(4) Received by: _____	Date _____	Time _____	(5) Relinquished by: _____	Date _____	Time _____	(6) Received by: <u>Wag. A</u>	Date <u>10/09/02</u>	Time <u>1730</u>

Method of Delivery: UPS

FED-EX

PAS Courier

Client

US Mail

Other



PSC Analytical Services

4418 Pottsville Pike

Reading, PA 19605

phone: (610) 921-8833

fax: (610) 921-9667 or 921-8407

CHAIN OF CUSTODY

PSC Work Order #

RO2100017

Page 6 of 8

JOB ID: 15-22966-0001

Report Results To:	PO #	Quote #
Submit Invoice To:	Name	Company
	Mailing Address	City
	State	ZIP
	Telephone #	Fax #
	Name	Company
	Mailing Address	City
	State	ZIP
	Telephone #	Fax #
	Credit Card Info (include exp. date)	

Sampled by: M. J. G. **Sampling Location (Specify State):** _____
Due Date: _____ **(Rush TAT requires Lab approval)**

REPORTING REQUIREMENTS (Circle all that apply)

Full Data Package Reduced Deliverables Package Electronic Data Deliverables

UST NPDES MIPP RCRA Stormwater DEP (PWS #)

SAMPLE DESCRIPTION (ID must match container labels)	Final Air Volume (L)	Matrix Type	Sampling Info	
			Date	Time
1 6N-11g-F	100 cm ³	wife	10/10/02	
2 6N-11g-Bunk	100 cm ³			
3 5S-11g-W	100 cm ³			
4 5S-11g-H				
5 5S-11g-F				
6 5N-11g-W				
7 5N-11g-H				
8 5N-11g-F				
9 4S-11g-W				
10 4S-11g-H				

ANALYSIS REQUESTED

Use attachments if necessary.

Please specify method requirements.

Preservatives Key:
 A = Ascorbic Acid N2 = Na2S2O3
 C = HCl S = H2SO4
 H = HNO3 Z = ZnAcetate
 I = Ice N = NaOH X = None
 O = Other: _____

Preservatives (See above Key; list all that apply)

Type (P=Plastic, G=Glass, A=Air)

Container Volume (Liter, etc)

Number of Containers

(1) Relinquished by: <u>M. J. G.</u>	Date: <u>10/10/02</u>	Time:	(2) Received by:	Date:	Time:
(4) Received by:	Date:	Time:	(5) Relinquished by:	Date:	Time:

Method of Delivery: UPS FED-EX PAS Courier Client US Mail Other



PSC Analytical Services

4418 Pottsville Pike

Reading, PA 19605

phone: (610) 921-8833

fax: (610) 921-9667 or 921-8407

CHAIN OF CUSTODY

PSC Work Order #

R02100417

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JOB ID: 15-22906-0001

Report Results To:		PO #		Quote #	
Name		Name		Name	
Company		Company		Company	
Mailing Address		Mailing Address		Mailing Address	
City		City		City	
State		State		State	
Telephone #		Telephone #		Telephone #	
Fax #		Fax #		Fax #	
Submit Invoice To:		Name		Name	
Company		Company		Company	
Mailing Address		Mailing Address		Mailing Address	
City		City		City	
State		State		State	
Telephone #		Telephone #		Telephone #	
Fax #		Fax #		Fax #	
Credit Card Info (include exp. date)		Credit Card Info (include exp. date)		Credit Card Info (include exp. date)	
Sampled by:		Sampling Location (Specify State)		Sampling Location (Specify State)	
Due Date:		(Rush TAT requires Lab approval)		(Rush TAT requires Lab approval)	
Full Data Package		Reduced Deliverables Package		Electronic Data Deliverables	
UST	NPDES	MIPP	RCRA	Stormwater	DEP (PWS #)
SAMPLE DESCRIPTION (ID must match container labels)		Final Air Volume		Matrix Type	
ITEM #		Date		Time	
1	45 - Hg - F	100	10/09/02	10/09/02	
2	4N - Hg - W				
3	4N - Hg - H				
4	4N - Hg - F				
5	4N - Hg - B1cm	612			
6	3S - Hg - W	100			
7	3S - Hg - H				
8	3S - Hg - F				
9	3N - Hg - W				
10	3N - Hg - H				

ANALYSIS REQUESTED

Use attachments if necessary

Please specify method requirements.

Preservatives Key:

A = Ascorbic Acid

C = HCl

H = HNO3

I = Ice

N = NaOH

O = Other:

N2 = Na2SO3

S = H2SO4

Z = ZnAcetate

X = None

(3) Relinquished by:

Time

Date

Time

Date

Time

Date

Time

Date

Time

Date

Time

Date

Time

(6) Received at Lab

Time

Date

Time

Date

Time

Date

Time

Date

Time

Date

Time

Date

Time

Other

US Mail

Client

PAS Courier

FED-EX

UPS

Method of Delivery:

Date

Time

Date

Time

Date

Time

Date

PSC Analytical Services

Sample Receipt Checklist

Client Name **ATC ASSOCIATES**

Date and Time Receive **10/11/2002 9:30:00 AM**

Work Order Number **R02100417**

Received by **HG**

Checklist completed by

Signature

TMH

Date

10/14/02

Reviewed by

Initials

[Signature]

Date

10/14/02

Matrix

Carrier name **FedEx**

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☐

No ☐

Not Present ☒

Custody seals intact on sample bottles?

Yes ☐

No ☐

Not Present ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

Water - VOA vials have zero headspace?

No VOA vials submitted ☒

Yes ☐

No ☐

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Adjusted? _____

Checked by _____

Any No and/or NA (not applicable) response must be detailed in the comments section b

Client contacted _____

Date contacted: _____

Person contacted _____

Contacted by: _____

Regarding _____

Comments: _____

Corrective Action _____



INDUSTRIAL HYGIENE

ENVIRONMENTAL TESTING

• EPANVLAP 101262-0
• AIHA ACCREDITATION NO. 100439
• NC DENR 599

• NY DOH/NELAC 10903
• PA DEP 06-353

• NJ DEP PA020
• CT DPH PH-0238

Date: 16-Oct-02

CLIENT: ATC Associates
Project: Mercury Wipes

Lab Order: R02100417

Lab ID: R02100417-01
Client Sample ID: PH-Hg-Blank

Collection Date: 10/9/2002
Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg. Total	1	10/15/2002 12:30:00 PM

Lab ID: R02100417-02
Client Sample ID: PH-Hg-W

Collection Date: 10/9/2002
Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg. Total	1	10/15/2002 12:30:00 PM

Lab ID: R02100417-03
Client Sample ID: PH-Hg-H

Collection Date: 10/9/2002
Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg. Total	1	10/15/2002 12:30:00 PM

Lab ID: R02100417-04
Client Sample ID: PH-Hg-F

Collection Date: 10/9/2002
Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg. Total	1	10/15/2002 12:30:00 PM

Lab ID: R02100417-05
Client Sample ID: 12S-Hg-W

Collection Date: 10/9/2002
Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.154	0.010		µg. Total	1	10/15/2002 12:30:00 PM

Qualifiers:
BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



INDUSTRIAL HYGIENE

• EPA MVLAP 101262-0
• AIHA ACCREDITATION NO. 100439
• NC DENR 599

ENVIRONMENTAL TESTING

• NY DOH/NELAC 10903
• PA DEP 06-353
• NJ DEP PA020
• CT DPH PH-0238

Date: 16-Oct-02

CLIENT: ATC Associates
Project: Mercury Wipes

Lab Order: R02100417

Lab ID: R02100417-06

Collection Date: 10/9/2002

Client Sample ID: 12S-Hg-H

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL	SW7471					Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	10/15/2002 12:30:00 PM

Lab ID: R02100417-07

Collection Date: 10/9/2002

Client Sample ID: 12S-Hg-F

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL	SW7471					Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	10/15/2002 12:30:00 PM

Lab ID: R02100417-08

Collection Date: 10/9/2002

Client Sample ID: 12SW-Hg-W

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL	SW7471					Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	10/15/2002 12:30:00 PM

Lab ID: R02100417-09

Collection Date: 10/9/2002

Client Sample ID: 12SW-Hg-H

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL	SW7471					Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	10/15/2002 12:30:00 PM

Lab ID: R02100417-10

Collection Date: 10/9/2002

Client Sample ID: 12SW-Hg-F

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL	SW7471					Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	10/15/2002 12:30:00 PM

Qualifiers:
BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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INDUSTRIAL HYGIENE

ENVIRONMENTAL TESTING

• EPA NVLAP 101262-0
• AIHA ACCREDITATION NO. 100439
• NC DENR 599

• NY DOH NELAC 10903
• PA DEP 06-353

• NJ DEP PA020
• CT DPH PH-0238

Date: 16-Oct-02

CLIENT: ATC Associates
Project: Mercury Wipes

Lab Order: R02100417

Lab ID: R02100417-11

Collection Date: 10/9/2002

Client Sample ID: 12N-Hg-W

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	10/15/2002 12:30:00 PM

Lab ID: R02100417-12

Collection Date: 10/9/2002

Client Sample ID: 12N-Hg-H

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	10/15/2002 12:30:00 PM

Lab ID: R02100417-13

Collection Date: 10/9/2002

Client Sample ID: 12N-Hg-F

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	10/15/2002 12:30:00 PM

Lab ID: R02100417-14

Collection Date: 10/9/2002

Client Sample ID: 11S-Hg-W

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	10/15/2002 12:30:00 PM

Lab ID: R02100417-15

Collection Date: 10/9/2002

Client Sample ID: 11S-Hg-H

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	10/15/2002 12:30:00 PM

Qualifiers:
BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



INDUSTRIAL HYGIENE

ENVIRONMENTAL TESTING

• EPANVLAP 101262-0
• AIHA ACCREDITATION NO. 100439
• NC DENR 599

• NY DOH/NELAC 10903
• PA DEP 06-353

• NJ DEP PA020
• CT DPH PH-0238

Date: 16-Oct-02

CLIENT: ATC Associates
Project: Mercury Wipes

Lab Order: R02100417

Lab ID:	R02100417-16	Collection Date:	10/9/2002
Client Sample ID:	11S-Hg-F	Matrix:	WIPE
Analyses	Result	Limit	Qual Units DF Date Analyzed
MERCURY, TOTAL	SW7471		Analyst: JDC
Mercury	BRL	0.010	µg, Total 1 10/15/2002 12:30:00 PM

Lab ID:	R02100417-17	Collection Date:	10/9/2002
Client Sample ID:	11N-Hg-W	Matrix:	WIPE
Analyses	Result	Limit	Qual Units DF Date Analyzed
MERCURY, TOTAL	SW7471		Analyst: JDC
Mercury	BRL	0.010	µg, Total 1 10/15/2002 12:30:00 PM

Lab ID:	R02100417-18	Collection Date:	10/9/2002
Client Sample ID:	11N-Hg-H	Matrix:	WIPE
Analyses	Result	Limit	Qual Units DF Date Analyzed
MERCURY, TOTAL	SW7471		Analyst: JDC
Mercury	BRL	0.010	µg, Total 1 10/15/2002 12:30:00 PM

Lab ID:	R02100417-19	Collection Date:	10/9/2002
Client Sample ID:	11N-Hg-F	Matrix:	WIPE
Analyses	Result	Limit	Qual Units DF Date Analyzed
MERCURY, TOTAL	SW7471		Analyst: JDC
Mercury	BRL	0.010	µg, Total 1 10/15/2002 12:30:00 PM

Lab ID:	R02100417-20	Collection Date:	10/9/2002
Client Sample ID:	11N-Hg-Blank	Matrix:	WIPE
Analyses	Result	Limit	Qual Units DF Date Analyzed
MERCURY, TOTAL	SW7471		Analyst: JDC
Mercury	BRL	0.010	µg, Total 1 10/15/2002 12:30:00 PM

Qualifiers:

- BRL - Below Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level

- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range



INDUSTRIAL HYGIENE

ENVIRONMENTAL TESTING

• EPANVLAP 101262-0
• AIHA ACCREDITATION NO. 100439
• NC DENR 599

• NY DOHMH 10903
• PA DEP 06-353

• NJ DEP PA020
• CT DPH PH-0238

Date: 16-Oct-02

CLIENT: ATC Associates
Project: Mercury Wipes

Lab Order: R02100417

Lab ID: R02100417-21
Client Sample ID: 10S-Hg-W

Collection Date: 10/9/2002
Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	10/15/2002 12:30:00 PM

Lab ID: R02100417-22
Client Sample ID: 10S-Hg-H

Collection Date: 10/9/2002
Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	10/15/2002 12:30:00 PM

Lab ID: R02100417-23
Client Sample ID: 10S-Hg-F

Collection Date: 10/9/2002
Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.020	0.010		µg, Total	1	10/15/2002 12:30:00 PM

Lab ID: R02100417-24
Client Sample ID: 10N-Hg-W

Collection Date: 10/9/2002
Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	10/15/2002 12:30:00 PM

Lab ID: R02100417-25
Client Sample ID: 10N-Hg-H

Collection Date: 10/9/2002
Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.104	0.010		µg, Total	1	10/15/2002 12:30:00 PM

Qualifiers:
BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



INDUSTRIAL HYGIENE

ENVIRONMENTAL TESTING

• EPANVLAP 101262-0
• AIHA ACCREDITATION NO. 100439
• NC DENR 599

• NY DOH/NELAC 10903
• PA DEP 06-353

• NJ DEP PA020
• CT DPH PH-0238

Date: 16-Oct-02

CLIENT: ATC Associates
Project: Mercury Wipes

Lab Order: R02100417

Lab ID: R02100417-26

Collection Date: 10/9/2002

Client Sample ID: 10N-Hg-F

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.112	0.010		µg, Total	1	10/15/2002 12:30:00 PM

Lab ID: R02100417-27

Collection Date: 10/9/2002

Client Sample ID: 9S-Hg-W

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	10/15/2002 12:30:00 PM

Lab ID: R02100417-28

Collection Date: 10/9/2002

Client Sample ID: 9S-Hg-H

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	10/15/2002 12:30:00 PM

Lab ID: R02100417-29

Collection Date: 10/9/2002

Client Sample ID: 9S-Hg-F

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	10/15/2002 12:30:00 PM

Lab ID: R02100417-30

Collection Date: 10/9/2002

Client Sample ID: 9N-Hg-W

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	10/15/2002 12:30:00 PM

Qualifiers:
BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



INDUSTRIAL HYGIENE

ENVIRONMENTAL TESTING

• EPANVLAP 101262-0
• AIHA ACCREDITATION NO. 100439
• NC DENR 599

• NY DOH/NELAC 10903
• PA DEP 06-353

• NJ DEP PA020
• CT DPH PH-0238

Date: 16-Oct-02

CLIENT: ATC Associates
Project: Mercury Wipes

Lab Order: R02100417

Lab ID: R02100417-31
Client Sample ID: 9N-Hg-H

Collection Date: 10/9/2002
Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.043	0.010		µg. Total	1	10/15/2002 12:30:00 PM

Lab ID: R02100417-32
Client Sample ID: 9N-Hg-F

Collection Date: 10/9/2002
Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.193	0.010		µg. Total	1	10/15/2002 12:30:00 PM

Lab ID: R02100417-33
Client Sample ID: 8S-Hg-W

Collection Date: 10/9/2002
Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.010	0.010		µg. Total	1	10/15/2002 12:30:00 PM

Lab ID: R02100417-34
Client Sample ID: 8S-Hg-H

Collection Date: 10/9/2002
Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.023	0.010		µg. Total	1	10/15/2002 12:30:00 PM

Lab ID: R02100417-35
Client Sample ID: 8S-Hg-F

Collection Date: 10/9/2002
Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.019	0.010		µg. Total	1	10/15/2002 12:30:00 PM

Qualifiers:
BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



INDUSTRIAL HYGIENE

ENVIRONMENTAL TESTING

• EPANVLAP 101262-0
• AIHA ACCREDITATION NO. 100439
• NC DENR 599

• NY DOHMH 10903
• PA DEP 06-353

• NJ DEP PA020
• CT DPH PH-0238

Date: 16-Oct-02

CLIENT: ATC Associates
Project: Mercury Wipes

Lab Order: R02100417

Lab ID: R02100417-36

Collection Date: 10/9/2002

Client Sample ID: 8N-Hg-W

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	10/15/2002 12:30:00 PM

Lab ID: R02100417-37

Collection Date: 10/9/2002

Client Sample ID: 8N-Hg-H

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	10/15/2002 12:30:00 PM

Lab ID: R02100417-38

Collection Date: 10/9/2002

Client Sample ID: 8N-Hg-F

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.010	0.010		µg, Total	1	10/15/2002 12:30:00 PM

Lab ID: R02100417-39

Collection Date: 10/9/2002

Client Sample ID: 8N-Hg-Blank

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	10/15/2002 12:30:00 PM

Lab ID: R02100417-40

Collection Date: 10/9/2002

Client Sample ID: 7S-Hg-W

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	10/15/2002 12:30:00 PM

Qualifiers:
BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



INDUSTRIAL HYGIENE

ENVIRONMENTAL TESTING

• EPANMLAP 101262-0
• AIHA ACCREDITATION NO. 100439
• NC DENR 599

• NY DOH/NELAC 10903
• PA DEP 08-353

• NJ DEP PA020
• CT DPH PH-0238

Date: 16-Oct-02

CLIENT: ATC Associates
Project: Mercury Wipes

Lab Order: R02100417

Lab ID: R02100417-41
Client Sample ID: 7S-Hg-H

Collection Date: 10/9/2002
Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg. Total	1	10/15/2002 12:30:00 PM

Lab ID: R02100417-42
Client Sample ID: 7S-Hg-F

Collection Date: 10/9/2002
Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.052	0.010		µg. Total	1	10/15/2002 12:30:00 PM

Lab ID: R02100417-43
Client Sample ID: 7N-Hg-W

Collection Date: 10/9/2002
Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg. Total	1	10/15/2002 12:30:00 PM

Lab ID: R02100417-44
Client Sample ID: 7N-Hg-H

Collection Date: 10/9/2002
Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg. Total	1	10/15/2002 12:30:00 PM

Lab ID: R02100417-45
Client Sample ID: 7N-Hg-F

Collection Date: 10/9/2002
Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg. Total	1	10/15/2002 12:30:00 PM

Qualifiers:
BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



INDUSTRIAL HYGIENE

• EPAM/LAP 101262-0
• AIHA ACCREDITATION NO. 100439
• NC DENR 599

ENVIRONMENTAL TESTING

• NY DOH/NELAC 10903
• PA DEP 06-353
• NJ DEP PA020
• CT DPH PH-0238

Date: 16-Oct-02

CLIENT: ATC Associates
Project: Mercury Wipes

Lab Order: R02100417

Lab ID: R02100417-46
Client Sample ID: 6S-Hg-W
Collection Date: 10/9/2002
Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL	BRL	SW7471 0.010		µg. Total	1	Analyst: JDC 10/15/2002 12:30:00 PM
Mercury						

Lab ID: R02100417-47
Client Sample ID: 6S-Hg-H
Collection Date: 10/9/2002
Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL	BRL	SW7471 0.010		µg. Total	1	Analyst: JDC 10/15/2002 12:30:00 PM
Mercury						

Lab ID: R02100417-48
Client Sample ID: 6S-Hg-F
Collection Date: 10/9/2002
Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL	BRL	SW7471 0.010		µg. Total	1	Analyst: JDC 10/15/2002 12:30:00 PM
Mercury						

Lab ID: R02100417-49
Client Sample ID: 6N-Hg-W
Collection Date: 10/9/2002
Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL	BRL	SW7471 0.010		µg. Total	1	Analyst: JDC 10/15/2002 12:30:00 PM
Mercury						

Lab ID: R02100417-50
Client Sample ID: 6N-Hg-H
Collection Date: 10/9/2002
Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL	BRL	SW7471 0.010		µg. Total	1	Analyst: JDC 10/15/2002 12:30:00 PM
Mercury						

Qualifiers:
BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



INDUSTRIAL HYGIENE

ENVIRONMENTAL TESTING

• EPANVLAP 101282-0
• AIHA ACCREDITATION NO. 100439
• NC DENR 598

• NY DOH/NELAC 10903
• PA DEP 06-353

• NJ DEP PA020
• CT DPH PH-0238

Date: 16-Oct-02

CLIENT: ATC Associates
Project: Mercury Wipes

Lab Order: R02100417

Lab ID: R02100417-51

Collection Date: 10/9/2002

Client Sample ID: 6N-Hg-F

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	10/16/2002 8:30:00 AM

Lab ID: R02100417-52

Collection Date: 10/9/2002

Client Sample ID: 6N-Hg-Blank

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	10/16/2002 8:30:00 AM

Lab ID: R02100417-53

Collection Date: 10/9/2002

Client Sample ID: 5S-Hg-W

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	10/16/2002 8:30:00 AM

Lab ID: R02100417-54

Collection Date: 10/9/2002

Client Sample ID: 5S-Hg-H

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	10/16/2002 8:30:00 AM

Lab ID: R02100417-55

Collection Date: 10/9/2002

Client Sample ID: 5S-Hg-F

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	10/16/2002 8:30:00 AM

Qualifiers:
BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



INDUSTRIAL HYGIENE

• EPANVLAP 101262-0
• AIHA ACCREDITATION NO. 100439
• NC DENR 599

ENVIRONMENTAL TESTING

• NY DOH/ELAC 10903
• PA DEP 06-353
• NJ DEP PA020
• CT DPH PH-0238

Date: 16-Oct-02

Lab Order: R02100417

CLIENT: ATC Associates
Project: Mercury Wipes

Lab ID: R02100417-56

Client Sample ID: 5N-Hg-W

Collection Date: 10/9/2002

Matrix: WIPE

Analyses

MERCURY, TOTAL
Mercury

Result	Limit	Qual	Units	DF	Date Analyzed
BRL	SW7471 0.010		µg. Total	1	Analyst: JDC 10/16/2002 8:30:00 AM

Lab ID: R02100417-57

Client Sample ID: 5N-Hg-H

Collection Date: 10/9/2002

Matrix: WIPE

Analyses

MERCURY, TOTAL
Mercury

Result	Limit	Qual	Units	DF	Date Analyzed
BRL	SW7471 0.010		µg. Total	1	Analyst: JDC 10/16/2002 8:30:00 AM

Lab ID: R02100417-58

Client Sample ID: 5N-Hg-F

Collection Date: 10/9/2002

Matrix: WIPE

Analyses

MERCURY, TOTAL
Mercury

Result	Limit	Qual	Units	DF	Date Analyzed
BRL	SW7471 0.010		µg. Total	1	Analyst: JDC 10/16/2002 8:30:00 AM

Lab ID: R02100417-59

Client Sample ID: 4S-Hg-W

Collection Date: 10/9/2002

Matrix: WIPE

Analyses

MERCURY, TOTAL
Mercury

Result	Limit	Qual	Units	DF	Date Analyzed
BRL	SW7471 0.010		µg. Total	1	Analyst: JDC 10/16/2002 8:30:00 AM

Lab ID: R02100417-60

Client Sample ID: 4S-Hg-H

Collection Date: 10/9/2002

Matrix: WIPE

Analyses

MERCURY, TOTAL
Mercury

Result	Limit	Qual	Units	DF	Date Analyzed
BRL	SW7471 0.010		µg. Total	1	Analyst: JDC 10/16/2002 8:30:00 AM

Qualifiers:

BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



INDUSTRIAL HYGIENE

• EPAN/LAP 101262-0
• AIHA ACCREDITATION NO. 100439
• NC DENR 599

ENVIRONMENTAL TESTING

• NY DOH/NELAC 10903
• PA DEP 06-353
• NJ DEP PA020
• CT DPH PH-0238

Date: 16-Oct-02

CLIENT: ATC Associates
Project: Mercury Wipes

Lab Order: R02100417

Lab ID: R02100417-61

Collection Date: 10/9/2002

Client Sample ID: 4S-Hg-F

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg. Total	1	10/16/2002 8:30:00 AM

Lab ID: R02100417-62

Collection Date: 10/9/2002

Client Sample ID: 4N-Hg-W

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg. Total	1	10/16/2002 8:30:00 AM

Lab ID: R02100417-63

Collection Date: 10/9/2002

Client Sample ID: 4N-Hg-H

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg. Total	1	10/16/2002 8:30:00 AM

Lab ID: R02100417-64

Collection Date: 10/9/2002

Client Sample ID: 4N-Hg-F

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg. Total	1	10/16/2002 8:30:00 AM

Lab ID: R02100417-65

Collection Date: 10/9/2002

Client Sample ID: 4N-Hg-Blank

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg. Total	1	10/16/2002 8:30:00 AM

Qualifiers:
BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



INDUSTRIAL HYGIENE

ENVIRONMENTAL TESTING

• EPANVLAP 101262-0
• AIHA ACCREDITATION NO. 100439
• NC DENR 599

• NY DOHMH 10903
• PA DEP 06-353

• NJ DEP PA020
• CT DPH PH-0238

Date: 16-Oct-02

CLIENT: ATC Associates
Project: Mercury Wipes

Lab Order: R02100417

Lab ID: R02100417-66

Collection Date: 10/9/2002

Client Sample ID: 3S-Hg-W

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg. Total	1	10/16/2002 8:30:00 AM

Lab ID: R02100417-67

Collection Date: 10/9/2002

Client Sample ID: 3S-Hg-H

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg. Total	1	10/16/2002 8:30:00 AM

Lab ID: R02100417-68

Collection Date: 10/9/2002

Client Sample ID: 3S-Hg-F

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg. Total	1	10/16/2002 8:30:00 AM

Lab ID: R02100417-69

Collection Date: 10/9/2002

Client Sample ID: 3N-Hg-W

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg. Total	1	10/16/2002 8:30:00 AM

Lab ID: R02100417-70

Collection Date: 10/9/2002

Client Sample ID: 3N-Hg-H

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg. Total	1	10/16/2002 8:30:00 AM

Qualifiers:
BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
• - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



INDUSTRIAL HYGIENE

ENVIRONMENTAL TESTING

• EPANVLAP 101262-0
• AIHA ACCREDITATION NO. 100439
• NC DENR 599

• NY DOHMH 10903
• PA DEP 06-353

• NJ DEP PA020
• CT DPH PH-0238

Date: 16-Oct-02

CLIENT: ATC Associates
Project: Mercury Wipes

Lab Order: R02100417

Lab ID: R02100417-71

Collection Date: 10/9/2002

Client Sample ID: 3N-Hg-F

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.019	0.010		µg, Total	1	10/16/2002 8:30:00 AM

Lab ID: R02100417-72

Collection Date: 10/9/2002

Client Sample ID: 2S-Hg-W

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	10/16/2002 8:30:00 AM

Lab ID: R02100417-73

Collection Date: 10/9/2002

Client Sample ID: 2S-Hg-H

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	10/16/2002 8:30:00 AM

Lab ID: R02100417-74

Collection Date: 10/9/2002

Client Sample ID: 2S-Hg-F

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	10/16/2002 8:30:00 AM

Lab ID: R02100417-75

Collection Date: 10/9/2002

Client Sample ID: 2N-Hg-W

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg, Total	1	10/16/2002 8:30:00 AM

Qualifiers:

- BRL - Below Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level

- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range



INDUSTRIAL HYGIENE

ENVIRONMENTAL TESTING

• EPANVLAP 101262-0
• AIHA ACCREDITATION NO. 100439
• NC DENR 598

• NY DOH/NELAC 10903
• PA DEP 06-353

• NJ DEP PA020
• CT DPH PH-0238

Date: 16-Oct-02

CLIENT: ATC Associates
Project: Mercury Wipes

Lab Order: R02100417

Lab ID: R02100417-76

Collection Date: 10/9/2002

Client Sample ID: 2N-Hg-H

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg. Total	1	10/16/2002 8:30:00 AM

Lab ID: R02100417-77

Collection Date: 10/9/2002

Client Sample ID: 2N-Hg-F

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg. Total	1	10/16/2002 8:30:00 AM

Lab ID: R02100417-78

Collection Date: 10/9/2002

Client Sample ID: 2N-Hg-Blank

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	BRL	0.010		µg. Total	1	10/16/2002 8:30:00 AM

Qualifiers:

BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range