Appendix B

Air Sampling Data Forms
Sample Shipping Information
Samples were placed in an oversized, sturdy box with packing material to fill voids and protect the samples during shipping. The sampling personnel then signed the chain-of-custody forms, and placed them in the box with the samples. Samples were shipped via Federal Express to the laboratory.
Client: EPA  
Date: 4/29/07  
Job Code: 

Employee:  
SSN #: 12-708  
Job Title: 3705  

Work Description: Background - East Bay 24 feet east of dock door  

Work Location: 

Respirators/PPE: 

Controls: 

Sample #: 3705 - B-4/29-01  
Pump #: 12-708  
Media: Hyd.  

Calibration:  
Pre: 207.5 cfm  
Post: 203 cfm  
Time: On 9:41 am  Off 2:39 pm  
Volume: 611 L  

Substance: Hg  
OSHA PEL: 0.1 mg/m³  
Concentration:  
8 Hour TWA: 

COMMENTS: Photo #6 on my camera is the background sample.  
Photo #7 is man dock door.  
Photo #8 is other background.  

298 minutes.

Industrial Hygienist:  
Reviewed By:
AIR SAMPLING DATA FORM

Client: EPA

Employee: SSN #
Job Title: 3705

Work Description: Back ground
East Bay 18 ft North of dock door

Work Location:

Respirators/PPE:

Controls:

Sample #: 3705 8 - 4/29/03
Amp #: 13657
Media: Hyd

Calibration:
Pre: 206 cc/min
Post: 229 cc/min

Time:
On: 9:41 am
Off: 2:39 pm
Volume: 04.8 L

Substance: OSHA PEL: Concentration 8 Hour TWA

Hg: 0.1 mg/m³

COMMENTS: 298 minutes

Industrial Hygienist: Reviewed By:
AIR SAMPLING DATA FORM

Client: EPA

Employee: Tad Badenchi

Date: 4/29/09

Job Code

Work Description: Feeding tubes into OTC device

East Bay, Inside containment

Work Location: Right shoulder/chest area

Respirators/PPE

Controls

Sample #: 3745-D-A-4-29-08

Pump #: 136-82

Media: Hyd/Ar

Calibration:

Pre: 156 cc/min

Post: 158 cc/min

Time: 3:07 4:33 6:02

On: 2:52 1:26

Off

Volume: 25.81 L

Substance: Hg

OSHA PEL: 0.1 mg/m³

Concentration

8 Hour TWA

Comments: 163 minutes

Industrial Hygienist: Reviewed By:
<table>
<thead>
<tr>
<th>Client</th>
<th>EPA</th>
<th>Date</th>
<th>4/29/03</th>
<th>Job Code</th>
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<tbody>
<tr>
<td>Employee</td>
<td>Tad Radzinski</td>
<td>SSN #</td>
<td>Job Title</td>
<td></td>
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<tr>
<td>Work Description</td>
<td>Feeding tubes into Oxiwir DTC Device</td>
<td>East Bay Inside Containment</td>
<td></td>
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</tr>
<tr>
<td>Work Location</td>
<td>Left Shoulder/Chest Area</td>
<td></td>
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<tr>
<td>Respirators/PPE</td>
<td></td>
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<tr>
<td>Controls</td>
<td></td>
<td></td>
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</tbody>
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**Sample #**: 3/29 0.1 - 4/29 07 Pump # 13914

<table>
<thead>
<tr>
<th>Calibration:</th>
<th>Pre 441 cc/min</th>
<th>Post 148 cc/min</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Substance</th>
<th>OSHA PEL</th>
<th>Concentration</th>
<th>8 Hour TWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hy</td>
<td>0.1 mg/m³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Volume**: 24.23 L

**Time**: 8:07 - 4:33

**Media**: Hydram

**Calibration**: 441 cc/min

**Comments**: 1/3 mm.
AIR SAMPLING DATA FORM

Client: EPA

Date: 4/29/03

Employee

SSN#

Job Title

Work Description:

Dextrite DTC Device

Inside Containment on fiber drum near exhaust

Work Location

Respirators/PPE

Controls

Sample # 3705-B-A-4/29-09 Pump # 12671

Pump Time: 163 minutes

Media: Hydram

Volume: 24.94 L

Calibration:

Pre: 151 cc/min Post: 154 cc/min

Substance: Hy

OSHA PEL: 0.1 mg/m³

Concentration

8 Hour TWA

COMMENTS:

Industrial Hygienist: Reviewed By:

153

43 cm
Dextrol DTC Device

Inside contaminant - on fiber drum van inlet

Calibration: Pre: 1.5 L/min Post: 1.54 L/min

Substance: Hg
OSHA PEL: 0.1 mg/m^3 Concentration: 154

Volume: 25.10 L

8 Hour: TWA

Comments: (43 min cut)

Industrial Hygienist: Reviewed By:
AIR SAMPLING DATA FORM

Client: EPA

Employee

Work Description: Dense DTC Device

Work Location

Respirators/PPE

Controls

Sample #: 3.05:0:00-0:0:15
Pump #: 1308
Media: Hg L

Calibration:
Pre: 252 cfm Post: 255 cfm

Time:
On: 4/27/07
Off: 4/27/07
Volume: 3.0 L

Substance: Hg
OSHA PEL: 0.1 mg/m³
Concentration

8 Hour TWA

COMMENTS:

Industrial Hygienist:

Reviewed By:
BOOZ-ALLEN & HAMILTON
5299 DTC Blvd., Suite 840
Greenwood Village, Colorado 80111
303.694.4159 FX. 303.694.7367

AIR SAMPLING DATA FORM

Client: EPA
Date: 4/29/03
Job Code: 

Employee: 
SSN #: 
Job Title: 

Work Description: Decont DTC Device

Work Location: Drum change @ 609 bull

Respirators/PPE: 
Controls: 

Sample #: 3765 D-A 4/29/03
Pump #: 11249

Media: Hyd Air
mL/E

Calibration: 258
Pre 150 cc/min Post 25 cc/min

Time: On 7:06am Off 7:20pm Volume 5.08

Substance: 
OSHA FEL: Concentration: 8 Hour TWA:


Commens: 20

Industrial Hygienist: Reviewed By:
**AIR SAMPLING DATA FORM**

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<th>( \mathbb{E} )</th>
<th>Date ( 4/29/02 )</th>
<th>Job Code</th>
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<tbody>
<tr>
<td>Employing</td>
<td>( \text{DTC} )</td>
<td>Job Title</td>
<td>( \text{DTC Device} )</td>
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<tr>
<td>Work Description</td>
<td>Overnight - Inside containment on fiber drum near exhaust</td>
<td></td>
<td></td>
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<tr>
<td>Work Location</td>
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<td></td>
</tr>
<tr>
<td>Respirators/PPE</td>
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<td>Controls</td>
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<tr>
<th>Sample #</th>
<th>9705-D-A-4/69-17</th>
<th>Pump #</th>
<th>13914</th>
<th>Media</th>
<th>Hydrax</th>
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<tbody>
<tr>
<td>Calibration:</td>
<td></td>
<td>Time:</td>
<td>Nut</td>
<td>( 8:12 )</td>
<td>Volume</td>
</tr>
<tr>
<td>Pre</td>
<td>Post</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14 l/min</td>
<td>14 l/min</td>
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<td></td>
<td></td>
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</tr>
<tr>
<td>2018</td>
<td>2018</td>
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</tr>
<tr>
<td>Off</td>
<td>2018</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8:12</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Substance</td>
<td>OSHA PEL</td>
<td>Concentration</td>
<td>8 Hour TWA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>( \text{Hg} )</td>
<td>0.1 mg/m(^3)</td>
<td></td>
<td></td>
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| COMMENTS: | 714 minutes |

**Industrial Hygienist:**

**Reviewed By:**
<table>
<thead>
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<tr>
<td>Employee</td>
<td>SSN #</td>
<td>Job Title</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Work Description</td>
<td>Ducts &amp; Ducts</td>
<td>Newer</td>
<td>Overview - Inside containment area</td>
<td></td>
</tr>
<tr>
<td>Work Location</td>
<td>Fiber Drum near melt feed tube</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Respirators/PPE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Controls</td>
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<td></td>
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<td></td>
</tr>
</tbody>
</table>


Substance | OSHA PEL | Concentration | 8 Hour TWA |
--- | --- | --- | --- |
Hy | 0.1 mg/m³ | | |

Comments: 714 min

Industrial Hygienist: Reviewed By:
**AIR SAMPLING DATA FORM**

**Client:** EPA  
**Date:** 4/29/03

**Employee**  
**SSN #**  
**Job Title**

**Work Description:**  
DEXTILE DTC DEVICE  
OVERNIGHT OUTSIDE CONTAINMENT

**Work Location**

**Respirators/PPE**

**Controls**

---

**Sample #** 3705-0-A-4/29/03  
**Pump #** 13057  
**Media** Hydride

**Calibration:**  
Pre 154  
Post 152 cc/min  
Time: On 20:18  
Off 8:12  
**Volume** 109.24 L

**Substance**  
Hg  
OSHA PEL  
Concentration  
3 Hour TWA

**Comments:**  
714 m$m^3$
**AIR SAMPLING DATA FORM**

**Client:** EPA  
**Date:** 4/29/03  
**Job Code:**

**Employee**

**SSN #**

**Work Description:** Ceiling - 4 spot swab samples - (###)

**Work Location**

**Respirators/PPE**

**Controls**

**Sample #** 3705 0-4-4/29-23  
**Pump #** 1308  
**Media** Hydrocarbon

**Calibration:**

Pre: 251 c.c./min  
Post: 256 c.c./min  
Time: On 7:03 pm  
Off 7:08 pm  
Volume: 1.01 L

**Substance**  
**OSHA PEL**  
**Concentration**  
**8 Hour TWA**

<table>
<thead>
<tr>
<th>Substance</th>
<th>OSHA PEL</th>
<th>Concentration</th>
<th>8 Hour TWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hg</td>
<td>0.1 mg/m³</td>
<td></td>
<td></td>
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**Comments:**  

**Industrial Hygienist:**

**Reviewed By:**
AIR SAMPLING DATA FORM

Client: EPA  
Date: 4/24/77  
Job Code

Employee:  
SSN  
Job Title:  

Work Description: Colony 4-minute sampler  

Work Location:  

Respirators/PPE:  

Controls:  

Sample 1  
Sample Date: 3/05-0-11-4/25  
Sample No: 11008  
Media: Hydrazine

Calibration:  
Pre: 251 cc/min  
Post: 50 cc/min  
Time: On 7:08  Off 7:12

Volume: 1.016

Substance:  
OSHA PEL:  
Concentration:  
8 Hour TWA:

COMMENTS:  

Industrial Hygienist:  
Reviewed By:  

Remarks:
**AIR SAMPLING DATA FORM**

---

**Client**: EPA  
**Date**: 4/30/03  
**Employee**: Tad Radzinski  
**SSN #**:  
**Job Title**:  
**Job Code**:  

**Work Description**: Air cycle  
**Feeding lines into Air Cycle Device**

**Work Location**: East Bay Inside Containment  
**Left shoulder entire 2 days (1st & 2nd shift)**

**Respirators/PPE**:  
**Controls**:  

---

**Sample #: 3705- A-A- 4/30-27**  
**Pump #: 126-71**  
**Media**: Hydrosorptive  
**Calibration**: Pre 155 cc/min  
**Post 153 cc/min**  
**Time**: On 15 12:16  
**Off 2:18 3:22**  
**Volume**: 22.33L

<table>
<thead>
<tr>
<th>Substance</th>
<th>OSHA PEL</th>
<th>Concentration</th>
<th>8 Hour TWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hg</td>
<td>0.1 mg/m³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**COMMENTS**:  
145 mm

---

**Industrial Hygienist**:  
**Reviewed By**: 
**AIR SAMPLING DATA FORM**

<table>
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<th>Job Code</th>
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<tbody>
<tr>
<td>Employee</td>
<td>Ted Rackow</td>
<td>SSN #</td>
<td></td>
<td>Job Title</td>
</tr>
<tr>
<td>Work Description</td>
<td>DAY CYCLE</td>
<td></td>
<td></td>
<td>Right shoulder sampling for first arm</td>
</tr>
<tr>
<td>Work Location</td>
<td>EAST BAY INSIDE CONTAINER</td>
<td></td>
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<tr>
<td>Respirators/PPE</td>
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<tr>
<td>Controls</td>
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<table>
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<tr>
<th>Sample</th>
<th>3705-A-4-4/30-2.9 Pump #:</th>
<th>11249</th>
<th>Media</th>
<th>Hydrazoane MCEF</th>
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<tbody>
<tr>
<td>Calibration:</td>
<td>Pre 156 ppm Post 153 ppm</td>
<td>Time: 15 min on 11:31</td>
<td>Off 12:36</td>
<td>Volume: 23.46 L</td>
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<table>
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<th>OSHA PEL</th>
<th>Concentration</th>
<th>8 Hour TWA</th>
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<tbody>
<tr>
<td>Hg</td>
<td>0.1 mg/m³</td>
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</table>

**Comments:**

91 ppm

**Industrial Hygienist:**

**Reviewed By:**
AIR SAMPLING DATA FORM

Client: EPA  
Date: 4/30/03  
Job Code:  

Employee: Ted Radzinski  
SSN: 1  
Job Title:  

Work Description: Air Cycle  

Work Location:  
Feeding tube into Air Cycle device  
Left hand Inside Containment  
Left shoulder/chest area for second drum  

Respirators/PPE:  

Controls:  

Sample: 8205-B-A  
Pump: 13057  
Media: Hydraz  

Calibration:  
Pre: 150 cc/min  
Post: 150 cc/min  

Time:  
On: 15:48  
Off: 15:48  

Substance:  
OSHA PEL:  
Concentration:  
8 Hour TWA:  

Hydraz:  

MCER: 12.39 L  
Volume: 22.49 L  

Comments:  

Industrial Hygienist:  
Reviewed By:  

---

---
**AIR SAMPLING DATA FORM**

Client: EPA  
Date: 4/30/83

Employee:  
Job Title:  
SSN:  

Work Description: Air Cycle  
Inside contaminant - on fiber drum near exhaust

Work Location:  

Respiratory/PPE:  

Controls:  

<table>
<thead>
<tr>
<th>Sample</th>
<th>105 A.m. 4:20 33</th>
<th>Pump</th>
<th>11:08</th>
<th>Media</th>
<th>Hydron</th>
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<tbody>
<tr>
<td>Calibration:</td>
<td>Pre 155 cfm Post 153 cfm</td>
<td>Time: 11:45 on 2/18</td>
<td>off 12:55</td>
<td>Volume: 22.79 L</td>
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<td>Substance:</td>
<td>Hg</td>
<td>Concentration</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>O.1 mg/m3</td>
<td>8 Hour TWA</td>
<td></td>
<td></td>
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<tr>
<td>Comments:</td>
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</table>

Industrial Hygienist:  
Reviewed By:
**AIR SAMPLING DATA FORM**

**Client:** EPA  
**Date:** 4/30/03  
**Job Code:**  
**Employee:**  
**SSN:**  
**Job Title:**  
**Work Description:**  
**Work Location:** Inside Containment - on fiber drum near feed mix + wax  
**Respirators/PPE:**  
**Controls:**  

<table>
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<th>Sample</th>
<th>8705-A-A-912</th>
<th>Pump</th>
<th>1</th>
<th>11</th>
<th>52</th>
<th>Media</th>
<th>Hydrazine</th>
<th>NCE</th>
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<tr>
<td>Pre</td>
<td>155 cfm/min</td>
<td>Post</td>
<td>52 cfm/min</td>
<td>154</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Timer:</td>
<td>On</td>
<td>11:48</td>
<td>Off</td>
<td>12:48</td>
<td>Volume</td>
<td>227.4</td>
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<tr>
<td>Substance</td>
<td>Hydrazine</td>
<td>OSHA PEL</td>
<td>Concentration</td>
<td>8 Hour TWA</td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>0.1 mg/l</td>
<td></td>
<td></td>
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<td>Comments:</td>
<td></td>
<td>149</td>
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**Industrial Hygienist:**  
**Reviewed By:** 
AIR SAMPLING DATA FORM

Client: EPA
Date: 4/30/03
Job Code: __________

Employee: Ted
SSN #: __________
Job Title: __________

Work Description: Air Cycle
Filter change #1

Work Location: __________

Respirators/PPE: __________

Controls: __________

Sample #: 3705-A-4-130-37
Pump #: 13682
Media: Hydro

Calibration:
Pre: 250 cfm
Post: 247 cfm
Time: On 11:40 Off 11:52
Volume: 2,984 L

Substance: Hg
OSHA PEL: 0.1 mg/m³
Concentration: __________
8 Hour TWA: __________

Comments: __________

Industrial Hygienist: __________
Reviewed By: __________
AIR SAMPLING DATA FORM

Client: EPA

Employee: Ted

Work Description:
- Arc Cycle
- Filter Change #2
- Drum Change #1

Work Location:

Respirators/PPE:

Controls:

Sample # 370S-A-A-4/30-3
Pump # 13682

Media: Hydrotuf

Calibration:
- Pre: 250 cfm
- Post: 247 cfm
- Time: 17 min

OSHA PEL: 0.1 mg/m³

Concentration: 8 Hour TWA

Substance: Hg

Volume: 4.22 L

Comments:

Industrial Hygienist: [Signature]

Reviewed By: [Signature]
**AIR SAMPLING DATA FORM**

<table>
<thead>
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<thead>
<tr>
<th>Employee</th>
<th>SSN #</th>
<th>Job Title</th>
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<tbody>
<tr>
<td>Tad</td>
<td></td>
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</tbody>
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**Work Description**
- Air Cycle
- Filter Change #3

**Work Location**

**Respirators/PPE**

**Controls**

**Sample**
- Sample #: 3705-A-45/30-41
- Pump #: 13682
- Calibration:
  - Pre: 250 cfm
  - Post: 2412 ppm
- Time:
  - On: 2:41
  - Off: 2:53
  - Volume: 2.98 L

**Substance**
- Hy

**OSHA PEL**
- 0.1 mg/m³

**Concentration**

**8 Hour TWA**

**COMMENTS:**
- T2 W

**Industrial Hygienist:**

**Reviewed By:**
**AIR SAMPLING DATA FORM**

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<th>EMPA</th>
<th>Date (Performance)</th>
<th>Job Code</th>
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<tr>
<td>Employee</td>
<td>TWA</td>
<td>5/2/03</td>
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<tr>
<td>Description</td>
<td>R II down charge #2</td>
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**Work Location**

(on accident used same labels for air cycle machine)

Should be A-3703

**Respirators/PPE**

<table>
<thead>
<tr>
<th>Sample #</th>
<th>3705</th>
<th>Pump #</th>
<th>1300</th>
<th>Media</th>
<th>Hydration</th>
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<tbody>
<tr>
<td></td>
<td>A</td>
<td>N</td>
<td>1130</td>
<td>A</td>
<td>11/28</td>
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<tr>
<td>Calibration:</td>
<td>Pre</td>
<td>Post</td>
<td>Time:</td>
<td>On</td>
<td>Off</td>
</tr>
<tr>
<td></td>
<td>250 cfm</td>
<td>2475 cfm</td>
<td>8/19</td>
<td></td>
<td>8/31</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2.98</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Substance**

<table>
<thead>
<tr>
<th>Substance</th>
<th>OSHA PEL</th>
<th>Concentration</th>
<th>8 Hour TWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hg</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>C: tmg/m³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Comments:**

<table>
<thead>
<tr>
<th>COMMENTS:</th>
<th>12 cm³</th>
</tr>
</thead>
</table>

**Industrial Hygienist:**

Reviewed By:
### AIR SAMPLING DATA FORM

**Client:** CPA  
**Date:** 4/30/03  
**Job Code:**  

**Employee:**  
**SSN #:**  
**Job Title:**  

**Work Description:** Ceiling #1  
**Air Cycle:**  
**4 minute samples:**  
**Work Location:** Done at filter change #1  

**Respirators/PPE:**  

**Controls:**  

**Sample #:** 3705-A: A 4/1-4/16-45  
**Pump #:** 13673  
**Media:** Hydrom  
**MCF:** 4mm  
**Calibration:**  
**Pre:** 247.5 cc/min  
**Post:** 246.0 cc/min  
**Time:** On 12:19 Off 12:23  
**Volume:** 0.99 L  

**Substance:** Hg  
**CSHA PEL:** 0.1 mg/m³  
**Concentration:**  
**8 Hour TWA:**  

**Remarks:**  4 mm  

**Industrial Hygienist:**  
**Reviewed By:**
**Air Sampling Data Form**

**Client:** E.P.A.  
**Date:** 4/30/03  
**Job Code:**

**Employee:** Tad  
**SSN #**  
**Job Title:**

**Work Description:** Ceiling #2, Arcycle  
**4 Minute Sample:**

**Work Location:** Done at filter change #2 after ceiling #1

**Respirators/PPE:**

**Controls:**

---

**Sample #:** 585-A-4130-47  
**Pump #:** 13673  
**Media:** Hyvac  
**Calibration:**

<table>
<thead>
<tr>
<th>Pre</th>
<th>Post</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.44 cfm</td>
<td>2.46 cfm</td>
</tr>
<tr>
<td>747.5</td>
<td>747.5</td>
</tr>
</tbody>
</table>

**Time:**

- On 12:25  
- Off 12:29  
**Volume:** 0.99 L

**Substance:** Hy  
**OSHA PEL:** 0.1 mg/m³  
**Concentration:**  
**8 Hour TWA:**

**Comments:** 4 min

---

**Industrial Hygienist:**  
**Reviewed By:**
AIR SAMPLING DATA FORM

Client: EPA

Employee

Date: 4/30/03

Job Code

Work Description: AV Cycle - DTC Device

Work Location: Overnight - inside containment on fiber drum near exhaust

Respirators/PPE

Controls

Sample #: 3705-A-A-4/30-03

Pump #: 12708

Media: Vacsorb

Calibration:
Pre: 152 cfm
Post: 152 cfm

Time:
On: 4:26 pm
Off: 8:57 pm

Volume: 150.63 L

Substance: Hydrogen Cyanide

OSHA PEL: 0.1 mg/m³

Concentration: 0.1 mg/m³

8 Hour TWA

COMMENTS: 0.1 mg/m³

Industrial Hygienist: Reviewed By:
**AIR SAMPLING DATA FORM**

<table>
<thead>
<tr>
<th>Client</th>
<th>Date</th>
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<tr>
<td>EPA</td>
<td>4/30/03</td>
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<table>
<thead>
<tr>
<th>Employee</th>
<th>SSN #</th>
<th>Job Title</th>
</tr>
</thead>
</table>

**Work Description**

- AW Cycle Valve
- Overnight - inside containment on fiber drum near inlet feed tube

**Respirators/PPE**

- 

**Controls**

- 

**Sample**

- Sample #: 3705-4A-4/30-5
- Pump #: 13919
- Media: Hydrous

**Calibration**

- Pre: 151 cc/min
- Post: 150 cc/min
- 150.5

**Time**

- On: 4:26 pm
- Off: 8:57 am
- Volume: 149.15 L

**Substance**

- Hg

**OSHA PEL**

- 0.1 mg/m³

**Concentration**

- 

**8 Hour TWA**

- 

**COMMENTS:**

- 99%

**Industrial Hygienist:**

- Reviewed By:
**Air Sampling Data Form**

**Client:** EPA

**Employee:**

**Work Description:** Air Cycle Device - Overnight - Outside Container

**Work Location:**

**Respirators/PPE:**

**Controls:**

<table>
<thead>
<tr>
<th>Sample</th>
<th>Pump</th>
<th>Media</th>
<th>Calibration</th>
<th>Time</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>3705-44-A</td>
<td>4/30-53</td>
<td>Hydraz</td>
<td>157.5 cc/min</td>
<td>4:26 pm</td>
<td>154.10 L</td>
</tr>
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**Substance:**

<table>
<thead>
<tr>
<th>Substance</th>
<th>OSHA PEL</th>
<th>Concentration</th>
<th>8 Hour TWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hg</td>
<td>0.1 mg/m³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Comments:** 9.9 T

**Industrial Hygienist:**

**Reviewed By:**
**AIR SAMPLING DATA FORM**

**Client**: EPA Tank

**Employee**: Tad Radzinski

**Date**: 4/30/03

**Job Code**: 

**Work Description**: Air Cycle

Feeding tubes into Air Cycle device

**Work Location**: East Bay Inside containment

Right shoulder/ chest area

**Respirators/PPE**: For second drum

**Sample #:** 9705-A-4-480-55

**Pump #:** 1249

**Media**: Hydrazine

**Calibration:**

Pre: 153 cc/min
Post: 158 cc/min
155.5

**Time:** On 2:18
Off 3:25

**Volume**: 10.42 L

**Substance**: OSHA PEL

Concentration 8 Hour TWA

<table>
<thead>
<tr>
<th>Substance</th>
<th>OSHA PEL</th>
<th>Concentration</th>
<th>8 Hour TWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alkyl</td>
<td>0.1 mg/m³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**COMMENTS:** 67 min

**Industrial Hygienist:**

**Reviewed By:**
**Client:** 4 PA  
**Employee:** Tad Radzinski  
**Date:** 4/30/03  
**Work Description:** Air Cycle  
**Work Location:** East Bay Inside Containment  
**Respirators/PPE:**  
**Controls:**  

<table>
<thead>
<tr>
<th>Sample #</th>
<th>3705-A-8-4/30-57</th>
<th>Pump #</th>
<th>Media</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calibration:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pre: 150 cc/min</td>
<td>Post: 151 cc/min</td>
<td>150 cc/min</td>
<td></td>
</tr>
<tr>
<td>Time: On 2:18</td>
<td>Off 3:25</td>
<td>Volume 10.08 L</td>
<td></td>
</tr>
</tbody>
</table>

**Substance:** Hg  
**OSHA PEL:** 0.1 mg/m³  
**Concentration:**  
**8 Hour TWA:**  

**Comments:**  

**Industrial Hygienist:**  
**Reviewed By:**
## Air Sampling Data Form

**Client:** EPA  
**Employee:** Tad  
**Date:** 4/31/89  
**SSN #:**  
**Job Title:**  
**Job Code:**  

**Work Description:** Fill DVM Change #2 + Filter Change #4  
**Work Location:**  
**Respirators/PPE:**  
**Controls:**  

### Sample Details

- **Sample #:** 3705  
- **Pump #:** 1108  
- **Media:** Hydrazine mCEF  
- **Calibration:** Pre 2.55 cfm, Post 3.56 cfm  
  - 255  
- **Time:** On 9:02 AM, Off 9:33  
- **Volume:** 3.07 L  

**Substance:** Hg  
**OSHA PEL:** 0.1 mg/m^3  
**Concentration:**  
**8 Hour TWA:**  

### Comments:

- 12 mm

**Industrial Hygienist:**  
**Reviewed By:**
AIR SAMPLING DATA FORM

Client: EPA
Date: 5/1/03
Job Code: ___

Employee: Tad Reszynski
SSN #: ___
Job Title: ___

Work Description: Feeding flies into RT1 device

Work Location: East Bay Inside containment

Respirators/PPE: Entire 1st + 2nd atm.

Sample #: 3705 - A-A-48-61 Pump # 3673

Media: Hyvac

Calibration:
Pre: 154 cc/min Post: 154 cc/min


Volume: 21.87 L

Substance: OSHA PEL Concentration 8 Hour TWA

1.4

COMMENTS:

Industrial Hygienist: Reviewed By:

142 min
### AIR SAMPLING DATA FORM

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<thead>
<tr>
<th>Client</th>
<th>EPA</th>
<th>Date</th>
<th>5/1/03</th>
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<th>Job Title</th>
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</thead>
<tbody>
<tr>
<td>Employee</td>
<td>Jad Radzinski</td>
<td>SSN #</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Work Description</td>
<td>RTJ</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Work Location</td>
<td>Freeing tubes into RTJ line</td>
<td>last by male container</td>
<td>LEFT shoulder/chest area for 1st draws</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Respirators/PPE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Controls</td>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Sample</th>
<th>3705-K-17-5/1/03</th>
<th>Pump</th>
<th>14914</th>
<th>Media</th>
<th>Hydnav</th>
<th>MCIF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calibration</td>
<td>Pre 150 cc/min</td>
<td>Post 144 cc/min</td>
<td>Time: On 12:00</td>
<td>Off 1:27</td>
<td>Volume 11.01 L</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Substance</td>
<td>OSHA PEL</td>
<td>Concentration</td>
<td>8 Hour TWA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hg</td>
<td>0.1 mg/m³</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**COMMENTS:** 79 mg

Industrial Hygienist: Reviewed By:
**AIR SAMPLING DATA FORM**

**Client:** 48A  
**Date:** 5/1/03  
**Employee:** Tad Radzinski  
**SSN #:**  
**Job Title:**  
**Work Description:** Feeding tubes into RT1-Deme  
**Work Location:** East Bay inside contaminant  
**Respirators/PPE:** Right shoulder/chest area sampling for 1st dust  
**Controls:**  

---

**Sample #:** 3705-K-A-5/16  
**Pump #:** 12708  
**Media:** Hydrazine  
**Calibration:**  
- Pre: 152 c/min  
- Post: 151 c/min  
- 151.5  
**Time:**  
- On: 12:08  
- Off: 1:27  
**Volume:** 11.97 L  

**Substance:** Hy  
**OSHA PEL:** 0.1 mg/m³  
**Concentration:**  
**8 Hour TWA:**  

---

**COMMENTS:** 79 mm  

---

**Industrial Hygienist:**  
**Reviewed By:**
AIR SAMPLING DATA FORM

Client: EPA
Date: 5/1/03
Job Code: 

Employee
SSN #
Job Title: 

Work Description: RTI
Inside container - on fiber drum near rehug

Work Location: 
Respirators/PPE: 
Controls: 

Sample #: 3765-16-3/4-51/467
Pump #: 19.6

Media: Hydwr

Calibration:
Pre 1570 cfm
Post 560 cfm

Time: On 11/2/03 9:50-4:50 m (CET)

Volume: 22.2

Substance: Hg
OSHA FEL: 2.0
Concentration: 0.1
8 Hour TWA: 

COMMENTS: 142 m

Industrial Hygienist: Reviewed By:
**AIR SAMPLING DATA FORM**

**Client:** GPA  
**Date:** 5/1/03  
**Job Code:**

**Employee:**  
**SSN:**  
**Job Title:**

**Work Description:** RTI  
**Inspection continuous - no fiber dust near feed inlet tube.**

**Work Location:**

**Respirators/PPE:**

**Controls:**

---

**Sample #:** 3205  
**Pump #:** 87

**Calibration:**
- Pre 15L per min  
- Post 15L per min  
- Time: On 17:09  
- Off

**Volume:** 22.00 L

**Substance:** Hg  
**OSHA PEL:** 0.1 mg/m³  
**Concentration:**

**5 Hour TWA:**

**COMMENTS:** 142 mg

**Industrial Hygienist:**

Reviewed By:
BOOZ ALLEN & HAMILTON
5299 DTC Blvd., Suite 840
Greenwood Village, Colorado 80111
303.694.4159 FX. 303.694.7367

AIR SAMPLING DATA FORM

Client: EPA  
Data: 5/1/03  
Job Code:  

Employee: Job Title:  
SSN #:  

Work Description: RTI  
Drum Change #1  

Work Location:  

Respirators/PPE:  

Controls:  

Sample #: 3705  
R-A-5/1-71  
Pump #: 11308  

Media: Hyd-C  
mCEq  

Calibration:  
Pre: 256 cfm  
Post: 254 cfm  

Time: 1:15  
On  
Off 1:27  
Volume: 3.07 L  

Substance:  

OSHA PEL:  

Concentration:  

8 Hour TWA:  

COMMENTS:  
1234  

Industrial Hygienist:  
Reviewed By:  
**AIR SAMPLING DATA FORM**

**Client**: EP A  
**Date**: 5/1/03  
**Job Code**:  

**Employee**: Ed  
**SSN #**:  
**Job Title**:  

**Work Description**: Ceiling #1 KTC  
4 minute sample  
Done at changeover for 1St day  

**Work Location**:  

**Respirators/PPE**:  
**Controls**:  

---

**Sample #**: 3165-R-A-5/1-75  
**Pump #**: 13682  
**Media**: Hallux  
**Volume**: 1.01 L  

**Calibration**:  
Pre: 50 cce/min  
Post: 50 cce/min  
76  

**Time**: On 1:15  
Off 1:19  
233  

**Substance**: Hg  
**OSHA PEL**: 0.1 mg/m³  
**Concentration**:  
**8 Hour TWA**:  

**COMMENTS**:  

**Industrial Hygienist**:  
**Reviewed By**:  

---
Client: LA

Employee: Ted

Work Description: Ceiling #2 RTI

Work Location: Done a + drum change for 1st drum

Respirators/PPE:

Controls:

Sample 1: 4408-R-003/1.79

Pump 1: 13682

Media: Hypo / MACF

Calibration:

Pre 25A cfm
Post 25A cfm

Time: On 170 Off 124

Volume: 1.0 L

Substance: Hg

OSHA PEL: 0.1 mg/m 3

Concentration:

8 Hour TWA:

Comments:

Industrial Hygienist:

Reviewed By:
### AIR SAMPLING DATA FORM

<table>
<thead>
<tr>
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<th>CPA</th>
<th>Date:</th>
<th>5/1/03</th>
<th>Job Code:</th>
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</thead>
<tbody>
<tr>
<td>Employee:</td>
<td>Tad Radzinski</td>
<td>SSN #:</td>
<td></td>
<td>Job Title:</td>
</tr>
</tbody>
</table>

#### Work Description
- RTD
- Feeding Hoses

#### Work Location
- Fast Bay Inside Containment
- Left Shoulder / chest area for 2nd time

#### Respirators/PPE

#### Controls

#### Sample # 3705-R-A-5/1/79 Pump #: 13914 Media: Hydron MCEC

#### Calibration:
- Pre: 149 cc/min
- Post: 147 cc/min
- Time: On 8:50 Off 9:53
- Volume: 9.32 L

#### Substance
<table>
<thead>
<tr>
<th>OSHA PEL</th>
<th>Concentration</th>
<th>8 Hour TWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hg</td>
<td>0.1 mg/m³</td>
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</tbody>
</table>

#### Comments:
- 63 m²

---

**Industrial Hygienist:**

**Reviewed By:**
AIR SAMPLING DATA FORM

Client: [Name]       Date: 5/1/03       Job Code: [Code]
Employee: [Name]      SSN #: [Number]    Job Title: [Title]
Work Description: RTI
Work Location: East Bay Inside Containment
Right Shoulder/shoulder for 2nd drum

Respirators/PPE: [Details]
Controls: [Details]

Sample #: 3705 R-A 5/1/81 Pump #: 12708
Media: Hydro

Calibration:
Pre: 151 cc/min Post: 149 cc/min

Time: On 3:50 off 4:53
Volume: 9.45 L

Substance: [Details]
OSHA PEL: [Details]
Concentration: [Details]
8 Hour TWA: [Details]

COMMENTS: 63 [Details]

Industrial Hygienist: [Signature] Reviewed By: [Signature]
AIR SAMPLING DATA FORM

Client: X.P.A  

Date: 5/1/03  

Job Code: ____________________

Employee:  

SSN #:  

Job Title: ____________________

Work Description: RTI  

overnight - inside containment on  

fiber drum near exhaust

Work Location:  

Respirators/PPE:  

Controls:  

Sample #: 3705-R-A-511-83  

Pump #: 13657  

Media:  

Hydrex  

MCEF

Calibration:  

Pre: 155 cc/min  

Post: 153 cc/min  

Time:  

On: 5/1/03 5:33 pm  

Off: 8:07 am 5/2/03

Volume: 134.6 L

Substance: Hg  

OSHA PEL: 0.1 mg/L  

Concentration:  

8 Hour TWA:  

Comments: 874 mm

Industrial Hygienist:  

Reviewed By:
<table>
<thead>
<tr>
<th>Sample #</th>
<th>3205-8A-5105</th>
<th>Pump #</th>
<th>115.2</th>
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<tbody>
<tr>
<td>Calibration:</td>
<td>-86</td>
<td>Media:</td>
<td>Hyd-MCEP</td>
</tr>
<tr>
<td>Pre</td>
<td>154 cfm/hr</td>
<td>Post</td>
<td>152 cfm/hr</td>
</tr>
<tr>
<td>Time:</td>
<td>5/1/03 5:33pm</td>
<td>5/1/03 8:00am</td>
<td>5/1/03 10am</td>
</tr>
<tr>
<td>Volume:</td>
<td>134.60</td>
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</table>

<table>
<thead>
<tr>
<th>Substance</th>
<th>OSHA PEL</th>
<th>Concentration</th>
<th>8 Hour TWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Le</td>
<td>0.1 mg/L</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| COMMENTS: | 474 m |

Industrial Hygienist: Reviewed By:
AIR SAMPLING DATA FORM

Client: EPA
Employee: 
Work Description: LT1
Work Location: 
Respirators/PPE: 
Controls: 

Sample #: 3705-8-P3-5/1-87
Calibration: Pre: 80 cc/min, Post: 160 cc/min

Pump: 45 cc/min
Time: 5/1/03 On 5:33 pm, Off 8:07 am
Volume: 137.6 L

Substance: Hg
OSHA PEL: 0.1 mg/m³
Concentration: 
8 Hour TWA: 

Comments: 874 mm

Industrial Hygienist: Reviewed By:
**AIR SAMPLING DATA FORM**

**Client:** EPA

**Date:** 5/2/87

**Employee:** Iad

**Work Description:** Iad - Left Shoulder Drum #1

**Work Location:** Only one drum for this test

**Respirators/PPE:**

**Controls:**

---

<table>
<thead>
<tr>
<th>Sample</th>
<th>375.00-90</th>
<th>Pump</th>
<th>13657</th>
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<tbody>
<tr>
<td>Media</td>
<td>Hyvac</td>
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<tr>
<td>Calibrated</td>
<td>56 min.</td>
<td></td>
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<tr>
<td>On: 9:07</td>
<td>Off: 9:12</td>
<td></td>
<td></td>
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<tr>
<td>Volume</td>
<td>8, 60 L</td>
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</tr>
</tbody>
</table>

**Substance:** Hg

**CGHA PEL:** 0.1 mg/m³

**Concentration:**

**8 Hour TWA:**

---

**Comments:**

---

**Industrial Hygienist:**

**Reviewed By:**
AIR SAMPLING DATA FORM

Client: 6PA
Date: 5/2/03
Job Code: 

Employee: Tad
SSN #: 
Job Title: 

Work Description: Right Shoulder Drum #1 

Work Location: Only 1 Drum filled for this test

Respirators/PPE: 

Controls: 

Sample #: 3705-D-A-5/2-91
Pump #: 11241
Media: Hydron

Calibration:
Pre: 154 cc/min
Post: 153 cc/min
153 cc/min

Time: On: 9:07
Off: 10:03
Volume: 8,60 L

Substance: Hg

OSHA PEL: 0.1 mg/m³

Concentration: 8 Hour TWA

Comments: 56 m³

Industrial Hygienist: 
Reviewed By: 
Client: EPA  Date: 5/2/03  Job Code:

Employee  SSN #:  Job Title:

Work Description:
- Desilicate only 1 drum filled
- Inside containment on fiber drum seat

Work Location: exhaust

Respirators/PPE:

Controls:

---

Sample #: 3705 - B - A - 5/2 - 93  Pump #: 11/52

Media: ACT Hydrotrope  MCF

Calibration:
- Pre: 151 cfm
- Post: 154 cfm

Time: 
- On: 9:07
- Off: 10:04

Volume: 8.69 L

Substance: Hg

OSHA PEL: 0.1 mg/m³

Concentration:

8 Hour TWA:

---

COMMENTS: 57 mm

Industrial Hygienist:  Reviewed By:
**AIR SAMPLING DATA FORM**

<table>
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<th>5LA</th>
<th>Date</th>
<th>5/2/03</th>
<th>Job Code</th>
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<tbody>
<tr>
<td>Employee</td>
<td>SSI #</td>
<td>Job Title</td>
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<td></td>
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<tr>
<td>Work Description</td>
<td>Dustite - only fill ore dry. Inside container on fiber drum near melt feed tube.</td>
<td></td>
<td></td>
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<tr>
<td>Work Location</td>
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<tr>
<td>Respirators/PPE</td>
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<tr>
<td>Controls</td>
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</tbody>
</table>

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**Sample #** 3705-DA-5/2-95  
**Pump #** 12708  
**Media** Hydron  
**Calibration:**  
Pre: 158 cc/min  
Post: 151 cc/min  
Time: On 9:07 Off 10:09  
Volume: 8.66 L  

<table>
<thead>
<tr>
<th>Substance</th>
<th>OSHA PEL</th>
<th>Concentration</th>
<th>8 Hour TWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hy</td>
<td>0.1 mg/m³</td>
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</tbody>
</table>

**COMMENTS:** 57 min.

**Industrial Hygienist:**  
**Reviewed By:**
AIR SAMPLING DATA FORM

Client: G.P.A.                        Date: 5/2/03  
Employee                                      SSN #:  
Job Title:  
Work Description:  
Dextrose  
Drug change for 1 dime filled  
Work Location:  
Respirators/PPE: 
Controls:  
Sample #: 3705-D-A-5/2-97  
Pump #: 1308  
Media: Hydron  
Calibration:  
Pre: 25 cc/min  
Post: 25 cc/min  
Flowmeter: 25 cc/min  
Time:  
On: 9:50  
Off: 10:02  
Volume: 3.07 L  
Substance: Hy  
OSHA PEL: 0.1 mg/m³  
Concentration:  
3 Hour TWA:  

COMMENTS:  

Industrial Hygienist:  
Reviewed By:  