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.
AIR SAMPLING DATA FORM

Client: C.P.A.

Employee: [Blank]

Job Title: [Blank]

Date: 6/11/03

Job Code: [Blank]

Work Description: Dextric Device

Entire 2 Hours - LEFT Shoulder

Work Location: [Blank]

Respirators/PPE: [Blank]

Controls: [Blank]

Sample #: 3105-0-A-411-55

Pump #: 11249

Media: Hydron mCF

Calibration: 0.198 L/min Post 198 cm

Time: 13:26 - 11:25 59

On 12:41 - Off 1:19 38

Volume: 19.2 L

Substance | OSHA PEL | Concentration | 8 Hour TWA
---|---|---|---
Hy | 0.1 mg/L | [Blank] | [Blank]

Comments:

Industrial Hygienist: [Blank]

Reviewed By: [Blank]
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<th>EPA</th>
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<td>JAI</td>
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<tr>
<td>Work Description</td>
<td>Detection Device</td>
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<tr>
<td>Work Location</td>
<td>1st Ann. - LEFT Shoulder</td>
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<td>Respirators/PPE</td>
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<thead>
<tr>
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<tr>
<td>Pump #</td>
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<td>Calibration</td>
<td>0.108 Lpm</td>
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<tr>
<td>Pre</td>
<td>200 cc/min</td>
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<tr>
<td>Post</td>
<td>48 cc/min</td>
</tr>
<tr>
<td>Time</td>
<td>10:26 - 11:25 - 12:44 - 1:47</td>
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<td>Volume</td>
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<tr>
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<th>OSHA PEL</th>
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<th>3 Hour TWA</th>
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<tbody>
<tr>
<td>Hg</td>
<td>0.1 mg/m³</td>
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Comments:  

Industrial Hygienist:  
Reviewed By:
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<td>Work Description</td>
<td>Dexter Device</td>
<td>1st Drum</td>
<td>RIGHT Shoulder</td>
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<th>Sample</th>
<th>3705-D-A 411-59</th>
<th>Pump</th>
<th>13464</th>
<th>Media</th>
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<td>60</td>
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<td>12:41-1:41</td>
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<td>Concentration</td>
<td>3 Hour TWA</td>
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<tr>
<td>H2</td>
<td>0.1 mg/m³</td>
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Industrial Hygienist: Reviewed By:
AIR SAMPLING DATA FORM

Client: EPA                                      Date: 6/11/03                                      Job Code:  
Employee:                                 SSN #:                                      Job Title:  

Work Description: Dextrite Dene

Work Location: Inside containment - near exhaust or fume

Respirators/PPE:  

Controls:  

Sample #: 3705-0-4-6/11-61    Pump #: R2192    Media: Hydrazine

Calibration: 0.203 L/min    Time: 10:20 - 11:27    Volume: 20 L

Post: 203 cc/min    Off: 203 cc/min

Substance: Hg  

OSHA PEL: 0.1 mg/m^3

Concentration:  

8 Hour TWA:  

COMMENTS:  

Industrial Hygienist: Reviewed By:
AIR SAMPLING DATA FORM

Client: EPA  
Date: 6/11/03  
Job Code: 

Employee:  
SSN #:  
Job Title: 

Work Description: Pellet Device  
Inside containment near inlet feed tube on  
Round fiber drum

Respirators/PPE:  

Controls:  

Sample #: 305-D-3A-6/11/03  
Pump #: 11/27/11  
Media: HydraV MCEF

Calibration: Pre 0.210 cm³  
Post 21 cm³  

Time: 10:26 - 11:27  
   12:41 - 13:49  
Volume: 20.8 L

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

Comments:  

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

**Client:** 91A  
**Employee:** Ted  
**Date:** 6/11/05  
**Job Code:**  
**Job Title:**

**Work Description:** Ductile Devise

**Work Location:**

**Respirators/PPE:**

**Controls:**

<table>
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<tr>
<th>Sample</th>
<th>Ductile Devise</th>
<th>Pump</th>
<th>Calibration</th>
<th>Media</th>
<th>Volume</th>
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</thead>
<tbody>
<tr>
<td>3705-D</td>
<td>6/11/05</td>
<td>R 2015</td>
<td>O.260 L/min</td>
<td>Hydr.</td>
<td>52 L</td>
</tr>
</tbody>
</table>

**Pre:** 260 L/min  
**Calibration:** 0.260 L/min  
**Post:** 260 L/min  
**Time:**  
On: 11:05  
Off: 11:25  
Duration: 20 minutes

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

**COMMENTS:**

---

**Industrial Hygienist:**

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

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<tr>
<td>Employee</td>
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<tr>
<td>Work Description</td>
<td>DextaK Device Drume Change #2</td>
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<td>Work Location</td>
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<tr>
<td>Respirators/PPE</td>
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<td>Controls</td>
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**Sample** 3705-D4-611-67  
Pump # R 2015  
Media | Hyd 

| Calibration: Pre 260 cc/min Post 26 cc/min | Time: On 1:39  
| 12:11   | 12:11  
| OSHA PEL | Concentration |
| 0.1 mg/lm³ |

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

**Client:** EDA  
**Date:** 6/11/23  
**Job Code:**

**Employee:** TAD  
**SSN #:**

**Job Title:**

**Work Description:** Dective Device  
Ceiling Sample - taken at drum change #1

**Work Location:**  
4 mm. Sample

**Respirators/PPE:**

**Controls:**

---

**Sample #:** 3705-D-A-6/11-69  
**Pump #:** 11177  
**Media:** Hydaw  
**MOEF**

**Calibration:**  
Pre 254 cfm  
Post 257 cfm

**Time:**  
On 11:05  
Off 11:39  
Volume 10.0

**Substance:** H2  
**OSHA PEL:** 0.1 mg/m³

**Concentration:**

**8 Hour TWA:**

---

**Comments:**

---

**Industrial Hygienist:**  
**Reviewed By:**
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<td>Date</td>
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<td>Job Title</td>
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<tr>
<td>Work Description</td>
<td>Dose rate device</td>
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<td>Ceiling sample - taken at drum change #1</td>
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<td>Work Location</td>
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<td>#4 Min. Sample</td>
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<td>Pump #1177</td>
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<td>2.54 cfm/min</td>
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<td>Post</td>
<td>2.57 cfm/min</td>
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<tr>
<td>Time</td>
<td>On 11:11 Off 11:15</td>
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<td>Volume</td>
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<td>OSHA PEL</td>
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<td>Concentration</td>
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<tr>
<td>3 Hour TWA</td>
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**COMMENTS:**

**Industrial Hygienist:**

**Reviewed By:**
AIR SAMPLING DATA FORM

Client: EPA
Employee: Tal
Job Title: N/A
Job Code: N/A
Date: 6/11/03

Work Description:
- Pextrac Dews
- 2nd Drum LEFT Shoulder

Work Location:

Respirators/PPE:

Controls:

Sample #: 3705-D-A- 6/11-73 Pump #: 13.681

Media: MUEF

Calibration: 0.202 cpm

Time:
- Pre 362 cpm
- Post 20 cpm
- On 12:41
- Off 1:19
- Volume 7.7 L

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

8 Hour TWA:

Remarks:

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

**Client:** EPA  
**Date:** 6/11/05  
**Employee:** Tad  
**SSN #:**  
**Job Title:**  
**Work Description:** Dextrite Device  
**Work Location:** 2nd Drum, Right Shoulder  
**Aspirators/PPE:**  
**Controls:**  

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<th>Volume</th>
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<td>11152</td>
<td>Hydro</td>
<td>5.5L</td>
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**Calibration:** 0.204  
**Pre:** 20cc/min  
**Post:** 20cc/min  
**On:** 12:52  
**Off:** 1:19  

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

**Comments:**  

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

Client: EPA

Date: 6/11/05

Employee

SSN #

Job Title

Work Description: Dextrite, Denver

Overnight air sample placed near exhaust

Work Location

Aspirators/PPE

Controls

Sample #: 3705-D-A-6/11-77

Pump #: 11854

Media: Hydrow

Calibration:

Pre: 198 cfm

Post: 134 cfm

Time: 5:53 AM on 7/15 PM off

Volume: 125.9 cc

Substance

OSHA PEL

Concentration

8 Hour TWA

Hg

0.1 mg/m³

Remarks:

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

**Client:** GPA  
**Date:** 6/11/03  
**Job Code:**

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

**Work Description:** Dextrite, Denver  
Oxidation Air Sample placed near inlet feed tube

**Work Location:**

**Respirators/PPE:**

**Controls:**

### Sample Information

**Sample #:** 3705-D-A-6/11-79  
**Pump #:** 1177  
**Media:** Hydram  
**MC/F:**

**Calibration:** Pre 153 cfm, Post 156 cfm  
**Time:** On 5:58AM - Off 6:58AM  
**Volume:** 123.58

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

**Comments:** 360 + 4720 + 7 + 15

---

**Industrial Hygienist:**  
**Reviewed By:**
<table>
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<th>Sample #</th>
<th>Pump #</th>
<th>Media</th>
<th>Substance</th>
<th>OSHA PEL</th>
<th>Concentration</th>
<th>8 Hour TWA</th>
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<td>3705-0-A-6/1/81</td>
<td>11152</td>
<td>VMEF</td>
<td>H2</td>
<td>0.1 mg/m³</td>
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**COMMENTS:**

Industrial Hygienist: 

Reviewed By:
AIR SAMPLING DATA FORM

Client: GPA
Employee: T.J
Date: 6/11/03
Job Code: 
Job Title: 
Work Description: Dextrine Device- U-TUBE STUDY ON T.J's LEFT SHOULDER
Work Location: 
Respirators/PPE: 
Controls: 

Sample #: 3705-D-A-6/11-93 Pump #: 12664 Media: Hydron MCE-F
Calibration: O.200 Exr Pre 199 cm3 Post 201 cm3 Time: On 1:23 Off 1:35 Volume: 2.48

Substance: OSHA PEL: Concentration: 8 Hour TWA: 

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<tr>
<td>Hy</td>
<td>0.1 mg/m³</td>
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Comments:

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

**Client:** EPA  
**Employee:** Tad  
**Date:** 6/1/05  
**Job Code:**

**Work Description:** Dextrite Drene  
**U-TUBE Study on Tad's Right Shoulder**

**Work Location:**

**Respirators/PPE:**

**Controls:**

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<th>Time OFF</th>
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<td>113.08</td>
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**Calibration:** Pre: 196 cc/min  
Post: 199 cc/min

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

**COMMENTS:**

**Industrial Hygienist:**

**Reviewed By:**
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<td>Inside Containment near Exhurs - U-Tubes</td>
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Client: EPA

Employee: J.D.

Job Title: 

Work Description: Desilting silo

Inside containment near feed tube - UTUBE

Work Location: 

Respirators/PPE: 

Controls: 

Sample #: 3705-D-A-61-89

Pump #: 12708

Media: Hydraw 

Calibration: 0.205

Time: On 1:23

Volume: 2.5 L

Substance: Hg

OSHA PEL: 0.1 mg/m³

Concentration: 

3 Hour TWA: 

Industrial Hygienist: 

Reviewed By: 

**AIR SAMPLING DATA FORM**

**Client:** EPA

**Employee:** Tad

**Date:** 6/11/03

**Job Code:**

**Employee ID:** SSN #

**Job Title:**

**Work Description:** Dextrose Device

**Work Location:**

**Respirators/PPE:**

**Controls:**

---

**Sample #:** 3705

**Pump #:** 13681

**Media:** Hydan

**Calibration:** O.200 cc/min

**Time:**

- On: 4:43
- Off: 5:17
- 34 min

**Volume:** 10.8 L

**Substance:**

- OSHA PEL: 0.1 mg/L

---

**CONMENTS:**

---

**Industrial Hygienist:**

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

<table>
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<td>Job Title</td>
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<tr>
<td>Work Description</td>
<td>Dextre Dente</td>
<td></td>
<td>Equip</td>
<td>Comparator Phase 2 - one drum</td>
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<td></td>
<td>Personal Sampling on LEFT SHELL</td>
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<th>Pump #</th>
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<td>Time</td>
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<td>Off 5:17</td>
<td>Volume</td>
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<td>Post</td>
<td>198 cfm</td>
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<td>H2</td>
<td>OSHA PEL</td>
<td>Concentration</td>
<td>8 Hour TWA</td>
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<tr>
<td></td>
<td>113</td>
<td>0.1 mg/m³</td>
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**COMMENTS:**

---

**Industrial Hygienist:**

**Reviewed By:**
AIR SAMPLING DATA FORM

Client: GPA

Employee

SSN#

Job Title

Work Description: Dextrite Demu

Equipment Comparator: Phase 2

Work Location: Inside Containment at exhaust on paper draw

Respirators/PPE

Controls

Sample #: 3705  D&A 6/11 96 Pump #: 112711

Media: Hydro

Calibration: 0.212 ppm

Pre: 214 cfm Post: 214 cfm

Time:

On 4:43 Off 5:17

Volume: 7.2 L

Substance: Hg

OSHA PEL: 0.1 mg/m³

Concentration

8 Hour TWA

COMMENTS:

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

**Client:** EPA  
**Date:** 6/11/03  
**Job Code:**  

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

**Work Description:** Decontaminate device  
**Work Location:** Inside containment near exhaust on silicidem  

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

---

| Sample # | 3705-0-A-611-97 | Pump #: | 11249 | Media | Hyd 
|----------|------------------|---------|-------|-------|-------  
| Calibration | 0.148 Hz | Time: | 4:43 | Off: | 34 | Volume: | MCF | 
| Pre | 198 cc/min | Post | 198 cc/min | | | | | 

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

---

**Remarks:**  

---

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

**Client:** EPA  
**Employee:**  
**SSN #:**  
**Date:** 6/11/03  
**Job Code:**  
**Job Title:**  
**Work Description:**  
**Location:**  
**Respirators/PPE:**  
**Controls:**  

---

**Sample #:** 3765-D-A-6/11-99  
**Pump #:** 13914  
**Media:** Adsorbed  
**Calibration:**  
- Pre: 204 cfm  
- Post: 201 cfm  
**Time:** 4:43  
**Off:** 5:17  
**Volume:** 10.9 L

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

---

**COMMENTS:**

---

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

Client: 
Employee: 
Date: 8/1/03 
Job Code: 
SSN #: 
Job Title: 

Work Description: Decontamination phase - one drum

Work Location: Inside container, near feed tube on fiber drum

Respirators/PPE: 

Controls: 

Sample #: 8705-D-011-101 
Pump #: 1305 

Calibration: 0.200 ppm 

Time: On 4:43 
Off 5:17 

Volume: 0.8 L 

Substance: Hyd. 

OSHA PEL: 0.1 mg/L 

Concentration: 

8 Hour TWA: 

Comments: 

Industrial Hygienist: 
Reviewed By:
AIR SAMPLING DATA FORM

Client: GPA

Employee: Tad

SSN #: 

Job Title: 

Work Description: Dextint Device

Equipment Comparison Phase 2

Work Location: Daily Drum Change

Respirators/PPE: 

Controls: 


Calibration: 0.257 L/min Pre 258 L/min

Post 256 L/min

Time: On 7:46 Off 7:58

Volume: 3.10

Substance: Hg

OSHA PEL: 0.1 mg/m³

Concentration: 

3 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:** EPL  
**Employee:**  
**Job Code:**  
**Date:** 6/11/03  
**Job Title:**  

**Work Description:**  
- Dystrile Device  
- Equipment Replacement Phase 2: ore draw  
- Personal sampling during Ceiling #1  

**Work Location:**  

**Respirators/PPE:**  
- 4 min sample  

**Controls:**  

**Sample #:** 3705, P-A-6/11-105  
**Pump #:** 12664  
**Media:** Hydron MCEF  

**Calibration:**  
- Pre: 260 cfm  
- Post: 220 cfm  

**Time:**  
- On: 7:16  
- Off: 7:50  
- Volume: 10.0  

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

**Remarks:**  

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

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<th>EPA</th>
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<tr>
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<td>Work Description</td>
<td>Dextrine Devise</td>
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<td>Work Location</td>
<td>Equipment Comparison Phase 2 - non respirators, sampling during ceiling H2</td>
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<tr>
<td>Respirators/PPE</td>
<td>4 Min Sample</td>
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<td>Controls</td>
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<th>3105-0-0-4107</th>
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<td>0-200 O2</td>
<td>Time:</td>
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<td>7:55 off</td>
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<th>Concentration</th>
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Comments:

Industrial Hygienist: Reviewed By:
AIR SAMPLING DATA FORM

Client: EPA  Date: 6/11/03  Job Code: 

Employee:  SSN #:  Job Title: 

Work Description: Box Test

Work Location: Taken after finished filling 2 drums for Detroit and doing U-TUBE study

Last containment: Next to work area

Respirators/PPE: Boxes of tubes on fiber drum

Controls: 

Sample #: 3705-T-A-611-109  Pump #: 1266

Media: Hydru  mCEP

Calibration: 0.200 ppm  Time: On 21/4

Pre 200 cfm  Post 201 cfm

Substance  OSHA PEL  Concentration  8 Hour TWA

Hy  0.1 mg/m³  

COMMENTS: 

Industrial Hygienist:  Reviewed By: 
AIR SAMPLING DATA FORM

Client

Employee

Work Description: Box Test

Work Location:

Respirators/PPE:

Controls:

Sample # 3705-T-A-6/11-11

Pump # 11308

Media: Hydure

MCEF

Calibration:

Pre 199 cpm

Post 200 cpm

Time:

On 2:37

Off 3:13

Volume 7.2 L

Substance: Hg

OSHA PEL: 0.1 mg/m³

Concentration

8 Hour TWA

COMMENTS:

Industrial Hygienist: Reviewed By:
Air Sampling Data Form

Client: GPA  Date: 6/11/03  Job Code: 

Employee: Brian  SSN: 

Work Description: Test on Brian, an AERC facility employee towers personal air sample while working left shoulder.

Work Location: 

Respirators/PPE: 

Controls: 

Sample #: 0205-F-A-011-13  Pump #: 10708  Media: Hg

Calibration: 0.202  Time: On 2:31  Off 4:05  Volume: 180 L

Sample: A  OSHA PEL: 0.1 mg/m³  Concentration: 

Comments: 

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

**Client:** EPA  
**Employee:** Brian  
**Date:** 6/11/03  
**Job Code:**

**Work Description:** Test on Brian an AFRC Facility Employee to wear personal air sample while working. Right Shoulder

**Work Location:**

**Respirators/PPE:**

**Controls:**

---

**Sample #:** 2205-F-A-61-15  
**Pump #:** 11152  
**Media:** 11/24

**Calibration:** Pre 205 cfm, Post 200 cfm  
**Time:** On 2:31, Off 4:00

**Concentration:**

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<th>Concentration</th>
<th>3 Hour TWA</th>
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<td>H2</td>
<td>0.1 mg/L</td>
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**Comments:**

---

**Industrial Hygienist:**

**Reviewed By:**