US EPA ARCHIVE DOCUMENT

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.

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AIR SAMPLING DATA FORM

Client EPA Date 2/25/03 Job Code

Employee SSN # Job Title

Work Description BACKGROUND

Work Location MIDDLE OF EAST BAY

Respirators/PPE

Controls

Sample # 3705-BG-2/25-01 Pump # 13027 Media MCEF ~~+ HYDRAR~~ HYDRAR
3705-BG-2/25-02

Calibration: ~~[illegible]~~ 0.212 lpm Time: 278 min

Pre 201 cc/min Post [illegible] On 1306 Off [illegible] Volume 58.94 L ~~[illegible]~~ cc/min

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

COMMENTS: PHOTO 1 & 2

Industrial Hygienist: Reviewed By:

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AIR SAMPLING DATA FORM

Client EPA Date 2/25/03 Job Code

Employee SSN # Job Title

Work Description BACKGROUNDS

Work Location EAST BAY AT DOOR TO WEST BAY

Respirators/PPE

Controls

Sample # 3705-BG-2/25-02 Pump # 11249 Media MCEF
3705 BG-2/25-04 HYDRAR

Calibration: Time:
Pre 205 cc/min Post 211 cc/min On 1306 Off 1314 Volume 53.24 L
209.5 278

Substance	OSHA PEL	Concentration	8 Hour TWA
Hg	0.05 mg/m³		

COMMENTS: PHOTO 1

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AIR SAMPLING DATA FORM

Client EPA Date 2/26/03 Job Code

Employee TAD RADZINSKI SSN # Job Title

Work Description FEEDING TIE & TUBES INTO AIRCYCLE BULB CUTTER DUST DEVICE

Work Location E. BAY MIDDLE INSIDE CONTAINMENT

Respirators/PPE GLOVES P&V SAFETY GLASSES TYVEK COVERALL

Controls

Sample # 3705-B/A-2/26/03 Pump # 3496 Media MCEF
3705-AA-2/26-06 HYDRIA

Calibration: Time:
Pre 153 Post 151 On 1320 Off 1030 Volume

Substance	OSHA PEL	Concentration	8 Hour TWA
W	0.1 mg/m³	HYF: < 0.012 mg/m³	0.0035 mg/m³
		MCE = ND	

COMMENTS: ~~160 MINUTES 2 HRS~~
140 MINUTES 2 HR 20 MIN 140 MIN
(2.33 HR)(0.012 mg/m³)/5 HRS 0.0035

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AIR SAMPLING DATA FORM

Client EPA Date 2/26/03 Job Code

Employee TAD RADZINSKI SSN # Job Title

Work Description FEEDING TIR TUBES INTO AIR CYCLE BUBEATER DTR DEVICE.

Work Location E. BAY MIDDLE INSIDE CONTAINMENT

Respirators/PPE GLOVES SAFETY GLASSES TYVEK COVERALLS

Controls

Sample # 3705-A/A-2/26-07 Pump # 12704 Media MCEF
3705-A/A-2/26-08 HYDRAR

Calibration: ~~1.505~~ 0.1505 Time:
Pre [illegible] Post 150 cc/min On 1320 Off [illegible] Volume 12.05 L

Substance	OSHA PEL	Concentration	8 Hour TWA
Hg	0.1 mg/m³	HYD 0.015 mg/m³	0.0044 mg/m³
		MOE ND	

COMMENTS: ~~140 min 2 HR 20 min~~ 100 min
(2.33 HRS X 0.015) / 8 = 0.0044

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AIR SAMPLING DATA FORM

Client EPA Date 7/26/03 Job Code

Employee SSN # Job Title

Work Description AIRCYCLE BULB EATER

Work Location ON FLR @ DTC DEVICE EXHAUST

Respirators/PPE

Controls

Sample # 3705-A/A-2/26-09 Pump # 13661 Media MCEF
3705-A/A-2/26-10 HYDRAR

Calibration: 120.9 Time: 10:
Pre [illegible] Post [illegible] On 1320 Off [illegible] Volume [illegible]

Substance	OSHA PEL	Concentration	8 Hour TWA
Hg	0.1 mg/m3	HYD 0.0055	0.0016 mg/m3
		MCE ND	

COMMENTS: ~~1 hr 140 min = 2 hrs 20 min~~ 100 min
(233 hrs)(0.0055)/8 hrs = 0.0016

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AIR SAMPLING DATA FORM

Client EPA Date 2/26/03 Job Code

Employee SSN # Job Title

Work Description AIRCYCLE BULB EATER

Work Location ON FLR @ DTC DEVICE EXHAUST

Respirators/PPE

Controls

Sample # 3705-A/A-2/26-11 Pump # 11330 Media MCEF
3705-A/A-2/26-12 HYDRAR

Calibration: Time:
Pre 150 cc/min Post [illegible] On 1320 Off 1000 Volume
150 100

Substance	OSHA PEL	Concentration	8 Hour TWA
H	0.1 mg/m³	HYD 0.010 mg/m³	0.0029 mg/m³
		MCE ND	

COMMENTS: ~~140 min = 2 hrs 20 min~~ 100 min
(2.33)(0.010)/8 = 0.0029

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AIR SAMPLING DATA FORM

Client EPA Date 2/26/03 Job Code

Employee SSN # Job Title

Work Description AIRCYCLE BULB EATER

Work Location BY DTC DEVICE FEED TUBE

Respirators/PPE

Controls

Sample # 3705-1A-2/26-~~05~~ 13 Pump # 11308 Media MCEF HYDRAR
3705-1A-2/26-~~06~~ 14

Calibration: Time:
Pre ~~200~~ 158 cc/min Post 125 55 On 1320 Off 10 Volume 12.56 L.

Substance	OSHA PEL	Concentration	8 Hour TWA
Hg	0.1 mg/m³	HYD = 0.0095	0.0027 mg/m³
		MCE = ND	

COMMENTS: ~~140 min x 2 Hg 20 min~~ 100 min
(2.35)(0.0095)/8 0.0027

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AIR SAMPLING DATA FORM

Client EPA Date 2/26/03 Job Code

Employee SSN # Job Title

Work Description ~~[illegible]~~ AIRCYCE GUID GATER

Work Location BY DTC DEVICE FEED TUBE

Respirators/PPE

Controls

Sample # 3705-A/A-2/26-15
3705-A/A-2/26-16 Pump # [illegible] Media [illegible]

Calibration:
Pre 158 [illegible] Post [illegible] Time:
158 On 1320 Off [illegible] Volume [illegible]
100

Substance	OSHA PEL	Concentration	8 Hour TWA
Hg	[illegible] mg/m³	HYD 0.013	0.0038 mg/m³
		MOE = ND	

COMMENTS: ~~[illegible] min 2 hr 20 min~~ [illegible]
(2.33)(0.013)/8 = 0.0038

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AIR SAMPLING DATA FORM

Client EPA Date 2/26/03 Job Code

Employee TAD RADZINSKI SSN # Job Title

Work Description FOR AIRCYCLE BULB EATER
PRE FILTER CHANGE @ 50% DRUM CAPACITY

Work Location

Respirators/PPE GLOVES SAFETY GLASSES TYVEK COVERALLS

Controls

Sample # 3705-A/A-2/26-17 3705-A/A-2/26-18 Pump # 11334 Media MCEF HYDRAR

Calibration:
Pre ~~[illegible]~~ 257 255.5 Post ~~25~~ 254 [illegible]

Time:
On 2140 1 Off 1473 12 min Volume [illegible]

Substance	OSHA PEL	Concentration	8 Hour TWA
Hg	0.1 mg/m³	HYD = C 0.19	
		MCE = ND	

COMMENTS: 12 MIN

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AIR SAMPLING DATA FORM

Client EPA Date 2/26/03 Job Code

Employee Ted Radzinski SSN # Job Title

Work Description Air Cycle Bulb Eater
Pre Filter change @ 100% Drum Capacity

Work Location

Respirators/PPE Gloves Safety Glasses Tyvek Coveralls

Controls

Sample # 3705-A/A-226-19 Pump # 11334 Media MCEF
3705-A/A-2/26-20 HYDRIC

Calibration: Time:
Pre 2.54 L/min Post 2.45 L/min On 1442 Off 1500 Volume 4.581
254.5 18

Substance	OSHA PEL	Concentration	8 Hour TWA
Hg	0.1 mg/m3	HYD: 0.009	
		MCE: ND	

COMMENTS: 18 min

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AIR SAMPLING DATA FORM

Client EPA Date 2/27/03 Job Code

Employee Tad Radzinski SSN # Job Title

Work Description Feeding ~~Ex~~ T 12 Tubes into ~~Air cycle 50 lb Eater~~ Resource Technology Incorporated DTC Device

Work Location E. Bay Middle Inside Containment

Respirators/PPE Gloves Safety Glasses Tyvek Coveralls

Controls

Sample # 3705-R-A-2/27-21 3705-R-A-2/27-22 Pump # 11308 Media MCEF LT YORAK

Calibration: Pre 154 cc/min 153.5 Post 153 cc/min

Time: On 9:30 Off 10:15 113 (112) Volume [illegible]

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

COMMENTS: 113 AW

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AIR SAMPLING DATA FORM

Client EPA Date 2/27/03 Job Code

Employee Tad Radzinski SSN # Job Title

Work Description Feeding T12 Tubes into ~~Arcycle Bulbeater~~ Resource Technology Inc. DTC Device

Work Location E. Bay middle Inside Containment

Respirators/PPE Gloves Safety Glasses Tyvek Coveralls

Controls

Sample # 3705-R-A-2/27-23 3705-R-A-2/27-21 Pump # 13027 Media MICEF HYDRAR

Calibration: Pre ~~[illegible]~~ 153 ft/min Post 55 ft/min 154

Time: On 8:30 Off 10:23 113 112 Volume 11.25 L

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

COMMENTS: 113 mm

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AIR SAMPLING DATA FORM

Client: [illegible] Date: 2/27/[illegible] Job Code:

Employee: SSN #: Job Title:

Work Description: Air Cycle Bulb Taper Reason Technology Inc.

Work Location: By DTC Dense Feed Tube

Respirators/PPE:

Controls:

Sample #: [illegible] Pump #: [illegible] Media: [illegible]

Calibration: Pre [illegible] Post [illegible] Time: On [illegible] Off [illegible] Volume [illegible]

1515 [illegible]

Substance	OSHA PEL	Concentration	8 Hour TWA
[illegible]	[illegible]		

COMMENTS: [illegible]

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AIR SAMPLING DATA FORM

Client EPA Date 2/27/03 Job Code

Employee SSN # Job Title

Work Description ~~Air~~ Resource Technology Inc.

Work Location By DTC Device Feed Tube

Respirators/PPE

Controls

Sample # 3705-R-A-2/27-27 3705-R-A-2/27-28 Pump # 1249 Media MCEF HYDRAR

Calibration: Pre 153 - 4/min 154.5 Post 154 4/min

Time: On 3 Off 10:23 112 Volume 1301

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

COMMENTS: 112 min

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AIR SAMPLING DATA FORM

Client EPA Date 2/27/03 Job Code

Employee SSN # Job Title

Work Description Resource Technology, Inc.

Work Location On floor at DTC Device Exhaust

Respirators/PPE

Controls

Sample # 3703-R-A-2/27-29 3703-R-A-2/27-3 Pump # 13661 Media MCEF HYDRAR

Calibration: Pre 152 [illegible] Post [illegible] Time: On [illegible] Off [illegible] Volume [illegible]

151.5 112

Substance	OSHA PEL	Concentration	8 Hour TWA
Hg	[illegible]		

COMMENTS: 112 [illegible]

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AIR SAMPLING DATA FORM

Client EPA Date 2/27/03 Job Code

Employee SSN # Job Title

Work Description Resource Technology, Inc.

Work Location On floor @ DTC Device Exhaust

Respirators/PPE

Controls

Sample # 3705-R-A-2/27-31 3/05-R-A-2/27-32 Pump # 13673 Media [illegible]

Calibration: Pre 153 cc/min Post 154 cc/min Time: On [illegible] Off [illegible] Volume [illegible]

1535 112

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

COMMENTS: 112 min

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AIR SAMPLING DATA FORM

Client: EPA Date: 2/27/03 Job Code:

Employee: Tad Radinski SSN #: Job Title:

Work Description: Resource Technology, Inc.
Filter change at 100% drum capacity.

Work Location:

Respirators/PPE: Gloves Safety Glasses Tyvek Coveralls

Controls:

Sample #: 3705-R-A-2/27-33 / 3705-R-A-2/27-34 Pump #: 11330 Media: [illegible] Hg [illegible]

Calibration:
Pre: 252 [illegible] min Post: [illegible]
2525

Time:
On: 1011 Off: 1023 Volume: 3.03 L
12

Substance	OSHA PEL	Concentration	8 Hour TWA
Hg	0.1 mg/m		

COMMENTS: 12 min

Industrial Hygienist: Reviewed By:

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AIR SAMPLING DATA FORM

Client EPA Date 2/27/03 Job Code

Employee Tad SSN # Job Title

Work Description Hazardous Materials Specialist, Inc

Work Location

Respirators/PPE

Controls

3105-H A-2/27-3S

Sample # 3105 H-A 2/27-3B Pump # 11308 Media MCEF HYDRAR

Calibration: Time:
Pre 153 cc/min Post 153 cc/min On 1516 Off 1611 Volume 8.42 L.
153 55

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

COMMENTS: 55 min

Industrial Hygienist: Reviewed By:

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AIR SAMPLING DATA FORM

Client: EPA Date: 2/27/03 Job Code:

Employee: [illegible] SSN #: Job Title:

Work Description: [illegible]

Work Location:

Respirators/PPE:

Controls:

Sample #: 1705 [illegible] 2/27/03 [illegible] Pump #: 150 [illegible] Media: MCEF HYDRAR

Calibration:
Pre: 155 [illegible] 156 Post: 152 [illegible] Time: On: [illegible] 55 Off: [illegible] Volume: [illegible]

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

COMMENTS: [illegible]

Industrial Hygienist: Reviewed By:

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AIR SAMPLING DATA FORM

Client EPA Date 2/27/97 Job Code

Employee SSN # Job Title

Work Description Hazardous Materials Specialist

Work Location Feed tube

Respirators/PPE

Controls

Sample # 325-H-A-2/27-40 / 325-H-A-2/27-39 Pump # 12708 Media MCE / HIDKAR

Calibration: Pre 151 cc/min Post 152 cc/min Time: On [illegible] Off [illegible] Volume [illegible]

151.5 55

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

COMMENTS: 55 min

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AIR SAMPLING DATA FORM

Client: EPA Date: 2/27/03 Job Code:

Employee: SSN #: Job Title:

Work Description: Hazardous Materials Specialist

Work Location: Feed tube

Respirators/PPE:

Controls:

Sample #: 3705-H-A-2/27-41 / 3705-H-A-2/27-42 Pump #: 11249 Media: MCEF HYDRAR

Calibration: Pre: 154 cc/min / 155 Post: 156 cc/min Time: On: 1516 Off: 1611 Volume: 55 (53)

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

COMMENTS: 55 min

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AIR SAMPLING DATA FORM

Client EPA Date 2/27/03 Job Code

Employee SSN # Job Title

Work Description Hazardous Materials Specialist, Inc

Work Location Exhaust

Respirators/PPE

Controls

Sample # 3705-H-A-2/27-43 3705-H-A-2/27-44 Pump # 13661 Media MCEE HYDCAR

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

Time:
On [illegible] Off [illegible] Volume [illegible]
55

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

COMMENTS: 55 min

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AIR SAMPLING DATA FORM

Client EPA Date 2/27/03 Job Code

Employee SSN # Job Title

Work Description Hazardous Materials Specialist, Inc.

Work Location Exhaust

Respirators/PPE

Controls

3705-H-A-2127-45

Sample # 3705-H-A-2127-46 Pump # 11330 Media MCEF HYDRAR

Calibration: Time:

Pre ~~153~~ cc/min Post 253 cc/min On 1216 Off 1611 Volume 13.75 l

253 (253) 55

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

COMMENTS: 55 mins

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AIR SAMPLING DATA FORM

Client: EPA Date: 2/21/03 Job Code:

Employee: SSN #: Job Title:

Work Description: The Hazardous Materials Specialist, Inc.
12" Filter Change (w/ 50 ___ % Capacity, 208 tubes

Work Location:

Respirators/PPE: Wires, Safety Glasses, Tyvek Pascalls

Controls: Respirators

Sample #: 3705 H-A-2/[illegible] 3705 H-A-[illegible] Stamp #: 13613 Media: Hydrite

Calibration: Pre 154 cc/min Post 154 cc/min Time: On 1601 Off 1801 Volume [illegible]

Substance	OSHA PEL	Concentration	8 Hour TWA
Hg	C Longleaf		

COMMENTS: 6 [illegible]

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AIR SAMPLING DATA FORM

Client EPA Date 2/28/03 Job Code

Employee Tad Radzinski SSN # Job Title

Work Description Feeding tubes into ~~[illegible]~~ Dextrik DTC Device

Work Location E Bay Middle Inside Containment

Respirators/PPE Gloves safety glasses Tyvek Coveall

Controls

Sample # 3703-D-A-2/28-50 3703-D-A-2/28 Pump # 11334 Media MCEF HYDRAR

Calibration: Pre [illegible] Post 152 cc/min 153 Time: On [illegible] Off 1132 86 Volume 13.16 L

Substance	OSHA PEL	Concentration	8 Hour TWA
[illegible]	[illegible]		

COMMENTS: 86 min

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AIR SAMPLING DATA FORM

Client EPA Date 2/28/03 Job Code

Employee Tad Radzinski SSN # Job Title

Work Description Feeding tubes into Dextrite DTC Dense

Work Location E Bay Middle Inside Containment

Respirators/PPE Gloves Safety Glasses Tyvek Coveralls

Controls

Sample # 3705-D-A-2/28-51 1 -52 Pump # 11249 Media MCEF 4 4 PRA

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

Time: On 1016 Off 1132 Volume 12.99 L 76 86

Substance	OSHA PEL	Concentration	8 Hour TWA
Hg	2 [illegible]		

COMMENTS: 76 min

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AIR SAMPLING DATA FORM

Client EPA Date 2/28/03 Job Code

Employee SSN # Job Title

Work Description Dextrite DTC Device

Work Location By DTC Device Feed Tube

Respirators/PPE

Controls

Sample # 3705-D-A 2/28-53 -54 Pump # 15496 Media [illegible]

Calibration:
Pre [illegible] Post 138cc/min Time: On [illegible] Off 1132 Volume 12.47C
145 86

Substance	OSHA PEL	Concentration	8 Hour TWA
Hg	[illegible]		

COMMENTS: 86 min

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AIR SAMPLING DATA FORM

Client: [illegible] Date: [illegible] Job Code:

Employee: SSN #: Job Title:

Work Description: [illegible]

Work Location: [illegible] Feed Tube

Respirators/PPE:

Controls:

Sample #: [illegible] Pump #: 12 [illegible] Media: [illegible]

Calibration: Pre [illegible] Post 152 [illegible] Time: On [illegible] Off 1132 Vo use 13.03 [illegible]

1515 [illegible]

Substance	OSHA PEL	Concentration	8 Hour TWA
[illegible]	[illegible]		

COMMENTS: [illegible]

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AIR SAMPLING DATA FORM

Client EPA Date 2/28/03 Job Code

Employee SSN # ~~13673~~ Job Title

Work Description Dextrite DTC Device

Work Location On floor next to DTC Device Exhaust

Respirators/PPE

Controls

Sample # 3705-D-A-2/28-57 -58 Pump # 13673 Media MCEF HYDRAK

Calibration: Pre 153 cc/min Post 154 cc/min Time: On 1006 Off 1132 Volume 13.20 L

153.5 86

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

COMMENTS: See main

Industrial Hygienist: Reviewed By:

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AIR SAMPLING DATA FORM

Client: EPA Date: 2/28/03 Job Code:

Employee: SSN #: Job Title:

Work Description: Dextrite DTC Nerve

Work Location: On flow @ DTC device exhaust

Respirators/PPE:

Controls:

Sample #: 8/03 D-A-2/28 07 -611 Pump #: 127Ø4 Media: MCEF HYDRITE

Calibration:
Pre: [illegible] Post: 152 cc/min Time: On: [illegible] Off: 1132 Volume: 13.03 L

151.5 86

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

COMMENTS: 86 min

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AIR SAMPLING DATA FORM

Client EPA Date 2/28/03 Job Code

Employee SSN # Job Title

Work Description Dextrite DTC Device
Filter Drum Change when Drum Fill

Work Location

Respirators/PPE Gloves Safety Glasses Tyvek Overall

Controls

Sample # [illegible] -02 Pump # 1930 Media MCEF
HYDRAC

Calibration: Time:
Pre [illegible] Post 254 cc/min On 1119 Off 1132 Volume 3.29 L
253

Substance	OSHA PEL	Concentration	8 Hour TWA
[illegible]	0.1 mg/m³		

COMMENTS: 13 min

Industrial Hygienist: Reviewed By: