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

lient EPA Date 6/9/03 Job Code

mployee — SSN # Job Title

ork Description Background Samples taken at AEC Facility in Ashland Virginia

ork Location

Respirators/PPE

Controls

Sample # 3105-B-A-6/9-01 Pump # 13681 Media Hydro MCEF

Calibration: .221 l/min -02 .236 Time: 264 min

Pre 207 cc/min Post [illegible] cc/min On 4:19 pm Off 9:03 pm Volume 58.3 l

221.5

Substance	OSHA PEL	Concentration	8 Hour TWA

COMMENTS:

Industrial Hygienist: Reviewed By:

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AIR SAMPLING DATA FORM

lient CPA Date 6/9/03 Job Code

mployee SSN # Job Title

ork Description background samples taken at AECC Facility in Ashland Virginia

Work Location

Respirators/PPE

Controls

Sample # 3705-B-A-6/9-08 -04 Pump # R 2015 Media Hydrar MCEF

Calibration: .205 l/min Time: 264 min

Pre 204 cc/min Post 207 cc/min On 4:19 pm Off 9:03 pm Volume 54.1 l

Substance	OSHA PEL	Concentration	8 Hour TWA

COMMENTS:

Industrial Hygienist: Reviewed By:

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AIR SAMPLING DATA FORM

lient EPA Date 6/10/03 Job Code

mployee Tad Radzinski SSN # Job Title

ork Description RTI Device
entire 2 drums - LEFT SHOULDER

ork Location

espirators/PPE

ontrols

Sample # 3705-RA-6/10-05-06 Pump # 11249 Media Hydrar MCEF

Calibration: .195 l/min Time: 9:55 - 11:02 67 62

Pre 195cc/min Post 196cc/min On 12:11 - 1:13 Off 129 min Volume 25.2 l

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

COMMENTS:

Industrial Hygienist: Reviewed By:

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AIR SAMPLING DATA FORM

lient EPA Date 6/10/09 Job Code

mployee Tad Radzinsk. SSN # Job Title

ork Description RTI Device
Feeding bulbs in drum #1 ONLY -

ork Location LEFT SHOULDER

espirators/PPE

ontrols

Sample # 3705 R-A 6/10-07 Pump # 11152 Media Hydra
MCEF

Calibration: .200 l/min -08 Time: 9:55-11:02 67 min

Pre 201 cc/min Post 200 cc/min On Off Volume 13.4

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

COMMENTS:

Industrial Hygienist: Reviewed By:

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AIR SAMPLING DATA FORM

lient EPA Date 6/10/03 Job Code

mployee Tad Radzinski SSN # Job Title

ork Description RI Device
Feeding bulbs in drum #1 ONLY

ork Location RIGHT SHOULDER

espirators/PPE

ontrols

Sample # 3705-R-A-6/10-09 Pump # 112711 Media Hydrar MCEF

Calibration: 0.202 l/min -10 Time: 9:55-1002 C7 MN

Pre 203 cc/min Post 202 cc/min On Off Volume 13.5 l

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

COMMENTS:

Industrial Hygienist: Reviewed By:

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AIR SAMPLING DATA FORM

lient EPA Dete 6/10/05 Job Code

mployee SSN # Job Title

ork Description RTI Device

Inside containment while feeding bulbs - near

ork Location Exhaust

Respirators/PPE

Controls

Sample # 3705-R-A-6/10-11 Pump # 12664 Media Hydrar MCEF

Calibration: 0.201 L/min ~12 Time: 9:39-11:02 83

Pre 202 cc/min Post 201 cc/min On 12:11-1:13 Off 62 min Volume 29.1 L

45

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

COMMENTS:

Industrial Hygienist: Reviewed By:

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AIR SAMPLING DATA FORM

lient EPA Date 6/10/03 Job Code

mployee SSN # Job Title

ork Description RTI Device

Inside Containment while feeding bulbs near

ork Location inlet feed tube

Respirators/PPE

Controls

Sample # 3705-R-A-6/10-13 Pump # 13681 Media Hydrar
-14 mCEF

Calibration: 0.201 Time: 9:39-11:02 93
Pre 200 cc/min Post 202 cc/min On 12:11-1:13 Off 62 Volume 29.1
145

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

COMMENTS:

Industrial Hygienist: Reviewed By:

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AIR SAMPLING DATA FORM

lient EPA Date 6/10/03 Job Code

mployee Tad Redzinski SSN # Job Title

ork Description On Tads shoulder while performing Drum change #1

ork Location

Respirators/PPE

Controls

Sample # 3705-R-A-6/10-15-16 Pump # R 2015 Media Hydrum MCEF

Calibration: 0.259 lpm Time: 10:50-11:02 12 min

Pre 260 cc/min Post 259 cc/min On Off Volume 3.1 l

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

COMMENTS:

Industrial Hygienist: Reviewed By:

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AIR SAMPLING DATA FORM

lient EPA Date 6/10/03 Job Code

mployee Tad Radzinski SSN # Job Title

ork Description on Tad's shoulder while performing Drum Change # 2

ork Location

espirators/PPE

ontrols

Sample # 3705-R-A-6/10-17 -18 Pump # R2015 Media Hydrar MCEF

Calibration: 0.259 lpm Time: 1:01 - 1:13 12 min

Pre 260 cc/min Post 259 cc/min On Off Volume 3.1 l

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

COMMENTS:

Industrial Hygienist: Reviewed By:

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AIR SAMPLING DATA FORM

lient EPA Date 6/10/03 Job Code

mployee Tad Radzinski SSN # Job Title

ork Description on Tad's shoulder during drum #1 change
oiling sample #1

Work Location

Respirators/PPE

Controls

Sample # 3705-R-A-6/10-19 Pump # 1210x Media Hydran
-20 MCEF

Calibration: 0.251 Time: 10:50-10:54 4 min
Pre 252 cc/min Post 250 cc/min On Off Volume 1.0 L

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

COMMENTS:

Industrial Hygienist: Reviewed By:

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AIR SAMPLING DATA FORM

lient EPA Date 6/10/03 Job Code

mployee Tad Radzinski SSN # Job Title

ork Description On Tad's shoulder during drop #2 change ceiling Sample #2

ork Location

espirators/PPE

ontrols

Sample # 3705-R-A-6/10-21 Pump # 12708 Media Hydrar MCEF

Calibration: 0.251 -22 lpm Time: 10:55-10:59 4min

Pre 252 cc/min Post 250 cc/min On Off Volume 1.0 l

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

COMMENTS:

Industrial Hygienist: Reviewed By:

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AIR SAMPLING DATA FORM

lient EPA Date Job Code

mployee Tads SSN # Job Title

ork Description On Tads LEFT Shoulder
Drum #2 [illegible]

ork Location

Respirators/PPE

Controls

Sample # 3705-R-A-6/10-23 Pump # 11308 Media Hydro MCEF

Calibration: 0.198 lpm 24 Time: 12:11-1:13 62 min

Pre 198 cc/min Post 199 cc/min On Off Volume 12.3 l

Substance	OSHA PEL	Concentration	8 Hour TWA

COMMENTS:

Industrial Hygienist: Reviewed By:

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AIR SAMPLING DATA FORM

lient EPA Date 6/10/03 Job Code

mployee Tad Radzinski SSN # Job Title

ork Description On Tad's ~~shoulder during drum~~ Tad's RIGHT shoulder Drum #2

ork Location

espirators/PPE

ontrols

Sample # 3705-R-A-6/10-25-26 Pump # R 29922 Media Hydar mCEF

Calibration: 0.198 lpm Time: 12:11-1:13 62 MN

Pre 200 cc/min Post 197 cc/min On Off Volume 12.3 l

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

COMMENTS:

Industrial Hygienist: Reviewed By:

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AIR SAMPLING DATA FORM

lient EPA Date 6/10/03 Job Code

mployee SSN # Job Title

ork Description Overnight samples - inside containment
Near Exhaust

ork Location

espirators/PPE

ontrols

Sample # 3705-R-A-6/10-27 Pump # 11254 Media Hydrion MCEF
-28

Calibration: 0.155 lpm Time: 6:11 pm - 12:11 pm
Pre 155 cc/min Post 155 cc/min On Off 360 min Volume 55.80

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

COMMENTS:

Industrial Hygienist: Reviewed By:

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AIR SAMPLING DATA FORM

lient EPA Date Job Code

mployee SSN # Job Title

ork Description Overnight Samples - inside containment near feed tube

ork Location

espirators/PPE

ontrols

Sample # 3705-R-A-6/10-29 Pump # ~~13914~~ 13681 Media Hydrar MCET

Calibration: 0.152 lpm -30 Time: ~~4:14-5:12~~ 6:11pm-12:11pm

Pre ~~150cc/min~~ 151 cc/min Post 153cc/min On Off 360 Volume 54.7 l

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

COMMENTS:

Industrial Hygienist: Reviewed By:

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AIR SAMPLING DATA FORM

lient GPA Date Job Code

mployee SSN # Job Title

ork Description overnight samples - outside containment

ork Location

Respirators/PPE

Controls

Sample # 3705-R-A-6/10-31 Pump # 12708 Media Hydrar MCEF

Calibration: 0.156 lpm -32 Time: 6:11pm-12:11pm

Pre 157cc/min Post 156cc/min On Off 360 min Volume 56.2 l

Substance	OSHA PEL	Concentration	8 Hour TWA

COMMENTS:

Industrial Hygienist: Reviewed By:

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AIR SAMPLING DATA FORM

lient EPA Date 6/10/03 Job Code

mployee Tad Radzinski SSN # Job Title

ork Description Personal Sampling during on drum - RTI equip comparison phase II
Right Shoulder

ork Location

Respirators/PPE

Controls

Sample # 3705-R-A-6/10-33 Pump # 11249 Media Hydrar MCEF

Calibration: 0.195 lpm -34 Time: 1:16-2:20 (4 min)

Pre 196 cc/min Post 195 On Off Volume 12.5 l

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

COMMENTS:

Industrial Hygienist: Reviewed By:

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AIR SAMPLING DATA FORM

Client EPA Date 6/10/03 Job Code

Employee Tad Radzinski SSN # Job Title

Work Description Personal Sampling during one drum - RTI - equip. Left shoulder Comparison phase II

Work Location

Respirators/PPE

Controls

Sample # 3705 R-A- 6/10-35 -36 Pump # R 2992 Media Hydar mCEF

Calibration: 0.196 lpm Time: 1:16 - 2:20 Volume 12.5 Q
Pre 197 cc/min Post 195 On Off 64 min

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

COMMENTS:

Industrial Hygienist: Reviewed By:

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AIR SAMPLING DATA FORM

lient EPA Date 6/10/03 Job Code

mployee SSN # Job Title

ork Description RTI equip comparison phase II - filling 1 drum
Inside Containment - Exhaust

ork Location

Respirators/PPE

Controls

Sample # 3705-R-A-6/10-37-38 Pump # 11308 Media Hydrar MCEF

Calibration: 0.197 lpm Time: 4:14 - 5:12 58 min

Pre 199 cc/min Post 196 On Off Volume 11.4 l

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

COMMENTS:

Industrial Hygienist: Reviewed By:

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AIR SAMPLING DATA FORM

lient GPA Date 6/10/03 Job Code

mployee SSN # Job Title

ork Description RII Equipment Comparison Phase II - filling Idaho
Inside Containment - Exhaust

ork Location

espirators/PPE

ontrols

Sample # 3705-R-A-6/10-39 Pump # 12664 Media Hydar mCEF

Calibration: 0.198 Open -40
Pre 201 cc/min Post 196 Time: 4:14 - 5:12 On Off 58 min Volume 11.5 l

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

COMMENTS:

Industrial Hygienist: Reviewed By:

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AIR SAMPLING DATA FORM

lient EPA Date 6/10/03 Job Code

mployee SSN # Job Title

ork Description RTI - Equipment Comparison Phase II - Alling Idaho
Inside Containment @ Feed tube

ork Location

Respirators/PPE

Controls

Sample # 3705-R-A-6/10-41 Pump # ~~13681~~ ~~11[illegible]~~ Media Hydrar

Calibration: 0.200 lpm -42 Time: 13681 4:14 - 5:12 MCEF

Pre ~~[illegible]~~ cc/min Post 198 On Off 58 min Volume 11.6 l

202 cc/min

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

COMMENTS:

Industrial Hygienist: Reviewed By:

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AIR SAMPLING DATA FORM

lient GPA Date 6/10/03 Job Code

mployee SSN # Job Title

ork Description RTI Equip. Comparison Phase II - filling one drum
Inside containment @ feed tube

ork Location

Respirators/PPE

Controls

Sample # 3705-R-A-6/10-43 Pump # ~~11152~~ 112711 Media Hg drum

Calibration: 0.186 lpm -44 -168 Time: 4:14-5:12 MCEF

Pre ~~[illegible]~~ Post ~~[illegible]~~ On Off 58 min Volume 10.8 l

gm ~~[illegible]~~ 204 cc/min

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

COMMENTS:

Industrial Hygienist: Reviewed By:

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AIR SAMPLING DATA FORM

lient EPA Date 6/10/03 Job Code

mployee Tad Radzinski SSN # Job Title

ork Description personal sampling - RTI equip comparison phase during drum change

ork Location

Respirators/PPE

Controls

Sample # 3705-R-A-410-45 -46 Pump # R2015 Media Hydrar MCEF

Calibration: 0.261 lpm Time: 7:56 - 8:08

Pre ~~[illegible]~~ 263 cc/min Post 260 cc/min On Off 12 min Volume 3.1 l

Substance	OSHA PEL	Concentration	8 Hour TWA
Hg	0. mg/m³		

COMMENTS:

Industrial Hygienist: Reviewed By:

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AIR SAMPLING DATA FORM

lient EPA Date 6/10/03 Job Code

mployee SSN # Job Title

ork Description Box Test
Taken after finished filling 2 drums for RTI.

ork Location

espirators/PPE

ontrols

Sample # 3705-T-A-6/10-47 (-48) Pump # 11152 Media Hydar mCEF

Calibration: 0.199 lpm Time: 1:16 2:20
Pre 200 cc/min Post 199 cc/min On Off 64 Min Volume 12.7 l

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

COMMENTS:

Industrial Hygienist: Reviewed By:

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AIR SAMPLING DATA FORM

lient E/A Date 6/10/03 Job Code

mployee SSN # Job Title

ork Description Dex Test
Taken after finished filling 2 drums for RTI

ork Location

Respirators/PPE

Controls

Sample # 3705-T-A-6/10-49 Pump # 112711 Media Hydrar MCEF

Calibration: ~~0.0~~ 0:203 -50 lpm Time: 1:16 - 2:20 64 min

Pre ~~[illegible]~~ cc/min 202 Post 204 cc/min On Off Volume 13.0 l

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

COMMENTS:

Industrial Hygienist: Reviewed By:

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AIR SAMPLING DATA FORM

lient GPA Date 6/10/03 Job Code

mployee Ted Rodeski SSN # Job Title

ork Description RTI - Equip. Comparison Phase II - filling one drum
Ceiling Sample #1

ork Location

4 min. Sample

Respirators/PPE

Controls

Sample # 3705-R-A-6/10-51 Pump # 11177 Media Hydrar MCEF

Calibration: 0.247 lpm 52 Time: 7:56- 8:00

Pre 246 cc/min Post 249 cc/min On Off 4 min Volume 1.0 l

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

COMMENTS:

Industrial Hygienist: Reviewed By:

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AIR SAMPLING DATA FORM

Client EPA Date 6/10/03 Job Code

Employee Tad Radzinski SSN # Job Title

Work Description RTI - Equip Comparison Phase II - Filter over Ceiling Sample #2

Work Location

4 mM sample

Respirators/PPE

Controls

Sample # 3705-R-A-6/10-53 Pump # 11177 Media Hydrar MCEF

Calibration: 0.247lpm 54 Time: 8:01 - 8:05

Pre ~~255~~ cc/min 246 Post 248 cc/min On Off 4 min Volume 1.09

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

COMMENTS:

Industrial Hygienist: Reviewed By: