COC & FIELD DATA SHEETS

Radian

RFETS

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # 00R0975#001

Page 1 of 1

Sampler(s) (timeldate)	Contact/Requester: GRAVES, MATT / HAINES, PATRICK	Telephone No. 3054 MSIN FAX
RIN 00R0975	Sampling Origin: Southwest Buffer Zone	Purchase Order/Charge Code: NH121000
Project Title: Filters from the test burn	Logbook No.	Ice Chest No. Temp.
To (Lab): Thermo NuTech	Method of Shipment	Bill of Lading/Air Bill No.
Protocol	Related COC (if any)	PRE

POSSIBLE SAMPLE HAZARDS/REMARKS
Are acid preserved samples DOT hazardous per 40 CFR Part 136.3 Table II? YES or NO
Are other known hazardous substances present? YES or NO
** ** **

SCREENING REQUIRED ☐

SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☐ No ☐
SPLIT FILTERS PRIOR TO ANALYSIS PER DOE REQUEST (HALF RETAINED BY AQM)

Bottle No.	Customer Number	Matrix	Date	Time	Location	Container (size/type/quantity)	Sample Analysis	Preservative: Packing
00R0975-001.001	AQM-TB-H1	AIRFILTER	4/6/00	1046	Southwest Buffer Zone	1-FILTER / P /1	OS01A012 (AirFilter Punch & Count) [Rush]	None None
00R0975-002.001	AQM-TB-H2	AIRFILTER	4/6/00	1102	Southwest Buffer Zone	1-FILTER / P /1	OS01A012 (AirFilter Punch & Count) [Rush]	None None
00R0975-003.001	AQM-TB-H3	AIRFILTER	4/6/00	1102	Southwest Buffer Zone	1-FILTER / P /1	OS01A012 (AirFilter Punch & Count) [Rush]	None None
00R0975-004.001	AQM-TB-HB	AIRFILTER	4/6/00	1105	Southwest Buffer Zone	1-FILTER / P /1	OS01A012 (AirFilter Punch & Count) [Rush]	None None

COPY

Relinquished By:	Date/Time	Received By:	Date/Time	Relinquished By:	Date/Time	Received By:	Date/Time
PATRICK HAINES	4/7/00 13:42	[signature]	4/7/00 BHA				
Relinquished By:	Date/Time	Received By:	Date/Time	Relinquished By:	Date/Time	Received By:	Date/Time
Relinquished By:	Date/Time	Received By:	Date/Time	Relinquished By:	Date/Time	Received By:	Date/Time
Relinquished By:	Date/Time	Received By:	Date/Time	Relinquished By:	Date/Time	Received By:	Date/Time

FINAL SAMPLE DISPOSITION: Disposal Method (e.g., returned to customer, disposed of per lab procedure, used in analytical process) Disposed By Date/Time

-BZ-A-00297

Best Available Copy

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DRAFT FIELD DATA SHEET

Prescribed Burn Air Monitoring Plan

Filter Type: 8 x10 Glass ~~47 mm Teflon~~ 47mm Quartz

Filter Number: AQM-TB-H1

Date Exposed: 4-6-00

Time On: 0924 Time Off: 1046

Description of Exposed Filter: COFFEE-COLORED FINE PARTICULATE W/ FLAKES OF CARBONACEOUS FIBER

Gravimetric Analysis:

Pre-sampling		Date/Time	**Post-sampling**		Date/Time
Trial 1	2792.8 mg	3/27 12:15	Trial 1	2922.9 mg	4/7 11:42
Temp/RH	22°C / 12% RH		Temp/RH	22°C / 1% RH	
Trial 2	2793.8 mg	3/28 07:30	Trial 2	2923.0 mg	4/7 12:20
Temp/RH	21.5°C / 10% RH		Temp/RH	22°C / 8% RH	
Trial 3	2793.0 mg	3/28 1530	Trial 3		
Temp/RH			Temp/RH		
TRIAL 4 ~~Final~~	2792.8 mg	3/29 14:55	Final	2922.95 mg	
	23°C / 5% RH				

sample conditioned by: DESSICATION

FINAL: 2792.8 mg

△ Weight: +130.15 mg

Sample Time: 82 min

Qa (see reverse): 0.96 m³/min

Concentration: 1.65 mg/m³ Conc = △ weight/volume

Volume: 78.69 m³ Qa x Time (min) = Volume

RIN: 00R0975-001.001

SampleTaken by: PM Haines

Gravimetric Analysis by: PM Haines

Free-release Evaluation No.

MAY 2000
RECEIVED
RECORDS CENTER

2

Sample Volume Determination

HVOL

Qa = {((SQRT[(Delta H x Temp)/Pres])-b)/m}

Delta H 2.0 in WC

Temp 281.53 K

Pres 665.76 mm Hg

m 1.01

b ~~-0.05109~~ -0.005109

Qa = 0.96 @ ambient

HVOL △H:

Init: _____

Final: _____

Avg: _____

Reference Standard

Orfice 790N

Primary Standard 7509364

Calibration Date 09/08/99

Calibration due 09/08/00

MINIVOL

Qa = {(m x (sort[(Delta H x Temp)/Pres]))+b}

Delta H _____ in WC

Temp _____ K

Pres _____ mm Hg

m 6.6434

b -0.1183

Qa = _____ @ Rotom setting

Rotometer Setting:

Init: _____

Final: _____

Avg: _____

Reference Standard

Orfice MNF1049

Primary Standard LFE774300

Calibration Date 02/17/00

Calibration due 02/17/01

3

DRAFT FIELD DATA SHEET

Prescribed Burn Air Monitoring Plan

Filter Type: (8 x10 Glass) 47 mm Teflon / 47mm Quartz

Filter Number: AQM-TB-H2

Date Exposed: 4-6-00

Time On: 0958 Time Off: 1102

Description of Exposed Filter: LIGHT, GREY COATING

Gravimetric Analysis:

Pre-sampling	Date/Time	**Post-sampling**	Date/Time
Trial 1 2800.8 mg	3/27 12:15	Trial 1 2809.4 mg	4/7 11:46
Temp/RH 22°C / 12% RH		Temp/RH 22°C / 1% RH	
Trial 2 2801.1 mg	3/28 07:30	Trial 2 2809.5 mg	4/7 12:22
Temp/RH 21.5°C / 10% RH		Temp/RH 22°C / 8% RH	
Trial 3 2801.1 mg	3/28 15:30	Trial 3	
Temp/RH 23°C / 10% RH		Temp/RH	
Final 2801.1 mg		Final 2809.45 mg	

sample conditioned by: DESSICATION

△ Weight: +8.35

Sample Time: 64 min

Qa (see reverse): 1.025 m³/min

Concentration: 0.13 mg/m³ Conc = △ weight/volume

Volume: 65.61 m³ Qa x Time (min) = Volume

RIN 00R0975-002.001

SampleTaken by: PM Haines

Gravimetric Analysis by: PM Haines

Free-release Evaluation No.

54

Sample Volume Determination

HVOL

Qa = {(((SQRT[(Delta H x Temp)/Pres])-b)/m}

Delta H 2.25 in WC

Temp 285.58 K

Pres 605.28 mm Hg

m 1.01

b ~~-0.05109~~ -0.005109

Qa = 1.025 @ ambient

HVOL △H:

Init: _____

Final: _____

Avg: _____

Reference Standard

Orfice 790N

Primary Standard 7509364

Calibration Date 09/08/99

Calibration due 09/08/00

MINIVOL

Qa = {(m x (sort[(Delta H x Temp)/Pres]))+b}

Delta H _____ in WC

Temp _____ K

Pres _____ mm Hg

m 6.6434

b -0.1183

Qa = _____ @ Rotom setting

Rotometer Setting:

Init: _____

Final: _____

Avg: _____

Reference Standard

Orfice MNF1049

Primary Standard LFE774300

Calibration Date 02/17/00

Calibration due 02/17/01

DRAFT FIELD DATA SHEET

Prescribed Burn Air Monitoring Plan

Filter Type: 8 x10 Glass / 47 mm Teflon / 47mm Quartz

Filter Number: AQM-TB-H3

Date Exposed: 4/6/00

Time On: 1004 Time Off: 1102

Description of Exposed Filter: LIGHT GREY COATING

NOTE: FILTER TORN DURING RECOVERY

Gravimetric Analysis:

Pre-sampling		Date/Time	**Post-sampling**		Date/Time
Trial 1	2813.4 mg	3/27 12:15	Trial 1	2817.7 mg	4/7 11:48
Temp/RH	22°C / 12% RH		Temp/RH	22°C / 19 RH	
Trial 2	2813.5 mg	3/28 0730	Trial 2	2817.6 mg	4/7 12:27
Temp/RH	21.5°C / 10% RH		Temp/RH	22°C / 8% RH	
Trial 3	2813.4 mg	3/28 15:30	Trial 3		
Temp/RH	23°C / 10% RH		Temp/RH		
Final	2813.4 mg		Final	2817.65 mg	

sample conditioned by: DESSICATION

△ Weight: +4.25 mg

Sample Time: 58 min

Qa (see reverse): 0.99 m3/min

Concentration: 0.07 mg/m3

Volume: 57.44 m3

Conc = △ weight/volume

Qa x Time (min) = Volume

RIN: 00R0975-003.001

SampleTaken by: Patrick Haines

Gravimetric Analysis by: PM Haines

Free-release Evaluation No.

4 6

Sample Volume Determination

HVOL

Qa = {((SQRT[(Delta H x Temp)/Pres])-b)/m}

Delta H 2.1 in WC 13.18

Temp 285.4 K

Pres 605.23 mm Hg

m 1.01

b ~~-0.05109~~ -0.005109

Qa = 0.99 @ ambient

HVOL △H:

Init: _____

Final: _____

Avg: _____

Reference Standard

Orfice 790N

Primary Standard 7509364

Calibration Date 09/08/99

Calibration due 09/08/00

MINIVOL

Qa = {(m x (sort[(Delta H x Temp)/Pres]))+b}

Delta H _____ in WC

Temp _____ K

Pres _____ mm Hg

m 6.6434

b -0.1183

Qa = _____ @ Rotom setting

Rotometer Setting:

Init: _____

Final: _____

Avg: _____

Reference Standard

Orfice MNF1049

Primary Standard LFE774300

Calibration Date 02/17/00

Calibration due 02/17/01

DRAFT FIELD DATA SHEET

Prescribed Burn Air Monitoring Plan

Filter Type: 8 x10 Glass 47 ~~mm Teflon~~ 47mm Quartz

Filter Number: AQM - TB - HB

Date Exposed: 4/6/00

Time On: N/A Time Off: N/A

Description of Exposed Filter: FIELD BLANK

Gravimetric Analysis:

Pre-sampling	Date/Time	**Post-sampling**	Date/Time
Trial 1 2766.2 mg	3/27 12:15	Trial 1 2765.3 mg	4/7 11:50
Temp/RH 22°C / 12% RH		Temp/RH 22°C / 1% RH	
Trial 2 2766.4 mg	3/28 07:30	Trial 2 2765.0 mg	4/7 12:30
Temp/RH 21.5°C / 10% RH		Temp/RH 22°C / 8% RH	
Trial 3 2766.7 mg	3/28 15:30	Trial 3	
Temp/RH 23°C / 10% RH		Temp/RH	
TRIAL 4 ~~Final~~ 2766.4 mg	3/29 14:50	Final 2765.0 mg	
23°C / 5% RH			

Sample conditioned by: DESSICATION

FINAL: 2766.4 mg

△ Weight: -1.4 mg

Sample Time:

Qa (see reverse):

Concentration: Conc = △ weight/volume

Volume: Qa x Time (min) = Volume

RIN 00R0975-004.001

SampleTaken by:

Gravimetric Analysis by:

Free-release Evaluation No.

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~~5/5/5~~

Sample Volume Determination

HVOL

Qa = {((SQRT[(Delta H x Temp)/Pres])-b)/m}

Delta H _____ in WC

Temp _____ K

Pres _____ mm Hg

m 1.01

b -0.05109

Qa = _____ @ ambient _____

HVOL △H:

Init: _____

Final: _____

Avg: _____

Reference Standard

Orfice 790N

Primary Standard 7509364

Calibration Date 09/08/99

Calibration due 09/08/00

MINIVOL

Qa = {(m x (sort[(Delta H x Temp)/Pres]))+b}

Delta H _____ in WC

Temp _____ K

Pres _____ mm Hg

m 6.6434

b -0.1183

Qa = _____ @ Rotom setting _____

Rotometer Setting:

Init: _____

Final: _____

Avg: _____

Reference Standard

Orfice MNF1049

Primary Standard LFE774300

Calibration Date 02/17/00

Calibration due 02/17/01

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