


# PM 2.5 Custody and Field Data Form

**A. Custody Record (Name, Date)**

1. Laboratory Out: L. Gaur 3. Site Out Mike Crowe 1-25-11  
 2. Site In Mike Crowe 1-24-11 4. Laboratory In \_\_\_\_\_

**B. Site and Sampler Info:**

1. Site Name: Sample ID: YBBR01  
 2. Sampler: URG 3-02BAA054  
 3. Sampler Type: MASS  
 4. Date of Sampler Set-up 1-24-11  
 5. Intended Run Date 1-24-11

C. SAMPLER CHANNEL COMPONENT		
	Component ID Number	Component Description
1	127304	MASS 400 Denuder (Citric Acid) <span style="float: right;">476</span>
1	127268	MASS 400 Denuder (Sodium Carbonate) <span style="float: right;">373</span>
1	 <small>1128409 FormCopy</small>	MASS 400 Filter Pack (Teflon filter, nylon filter) <span style="float: right;">383</span>  <span style="font-size: 1.2em;">13635819</span>

D. START, END, AND RETRIEVAL TIMES						
Channel No.	Start Date	Start time	End Date	End time	Retrieval Date	Retrieval time
1	1-24-11	11:40	1-25-11	11:11	1-25-11	11:11

E. SAMPLER CHANNEL INFORMATION (Post-Sampling)								
Channel No.	Elapsed sample Time	ES Time, Flag	Sample Volume (m3)	Avg. flow (L/min)	Avg. flow CV (%)	Avg. ambient T (°C)	Max ambient T (°C)	Min ambient T (°C)
1	1409 min		14.71	10.44				
Channel No.	Avg BP (mm Hg)	Max BP (mm Hg)	Min BP (mm Hg)	Δ Flow Flag	ΔT Flag	Avg DGM T (°C)	Max DGM T (°C)	Min DGM T (°C)
1								

**F. Comments:** Sample volume listed above has already been converted to STD. Project Leader:  
USEPA Region 4 SESD Project #: 11-0068 Mike Crowe

\* Please Keep a copy of this form for your records and return the original with the filters to the laboratory


# PM 2.5 Custody and Field Data Form

**A. Custody Record (Name, Date)**

1. Laboratory Out: J. J. [Signature]      3. Site Out: McCraw 1-27-11  
 2. Site In: McCraw 1-26-11      4. Laboratory In: \_\_\_\_\_

**B. Site and Sampler Info:**

1. Site Name: YBAR 93  
 2. Sampler: 3-02BAM-A042  
 3. Sampler Type: MASS  
 4. Date of Sampler Set-up: 1-26-11  
 5. Intended Run Date: 1-26-11

C. SAMPLER CHANNEL COMPONENT		
	Component ID Number	Component Description
1	127326	MASS 400 Denuder (Citric Acid) <span style="float: right;">466</span>
1	127202	MASS 400 Denuder (Sodium Carbonate) <span style="float: right;">396</span>
1	 <small>112841A FormCopy</small>	MASS 400 Filter Pack (Teflon filter, nylon filter) <span style="float: right;">357</span> UFI # 13635808

D. START, END, AND RETRIEVAL TIMES						
Channel No.	Start Date	Start time	End Date	End time	Retrieval Date	Retrieval time
1	1-26-11	1623	1-27-11	1538	1-27-11	1538

E. SAMPLER CHANNEL INFORMATION (Post-Sampling)								
Channel No.	Elapsed sample Time	ES Time, Flag	Sample Volume $\bar{V}$ (m <sup>3</sup> )	Avg. flow $\bar{V}$ (L/min)	Avg. flow CV (%)	Avg. ambient T (°C)	Max ambient T (°C)	Min ambient T (°C)
1	1395 min		14.22	10.19				
Channel No.	Avg BP (mm Hg)	Max BP (mm Hg)	Min BP (mm Hg)	$\Delta$ Flow Flag	$\Delta$ T Flag	Avg DGM T (°C)	Max DGM T (°C)	Min DGM T (°C)
1								

**F. Comments:** Avg flow and sample volume listed above is converted to STD.  
USEPA Region 4 SESD proj #: 11-0068 Project leader: Mike Crowe

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## PM 2.5 Custody and Field Data Form

**A. Custody Record (Name, Date)**

1. Laboratory Out: J. D. [Signature] 3. Site Out: M. Crowe 1-27-11  
 2. Site In: M. Crowe 1-26-11 4. Laboratory In: \_\_\_\_\_

**B. Site and Sampler Info:**

1. Site Name: Sample ID: YBAR03  
 2. Sampler: 302BPM-Ae40  
 3. Sampler Type: MASS  
 4. Date of Sampler Set-up: 1-26-11  
 5. Intended Run Date: 1-26-11

C. SAMPLER CHANNEL COMPONENT		
	Component ID Number	Component Description
1	127348	MASS 400 Denuder (Citric Acid) <span style="float: right;">457</span>
1	12728A	MASS 400 Denuder (Sodium Carbonate) <span style="float: right;">367</span>
1	 112843C FormCopy	MASS 400 Filter Pack (Teflon filter, nylon filter) <span style="float: right;">029</span> UFI # 13635875

D. START, END, AND RETRIEVAL TIMES						
Channel No.	Start Date	Start time	End Date	End time	Retrieval Date	Retrieval time
1	1-26-11	1623	1-27-11	1538	1-27-11	1538

E. SAMPLER CHANNEL INFORMATION (Post-Sampling)								
Channel No.	Elapsed sample Time	ES Time, Flag	Sample Volume $\bar{s}$ (m <sup>3</sup> )	Avg. flow $\bar{S}$ (L/min)	Avg. flow CV (%)	Avg. ambient T (°C)	Max ambient T (°C)	Min ambient T (°C)
1	1395 min		15.12	10.84				
Channel No.	Avg BP (mm Hg)	Max BP (mm Hg)	Min BP (mm Hg)	Δ Flow Flag	ΔT Flag	Avg DGM T (°C)	Max DGM T (°C)	Min DGM T (°C)
1								

**F. Comments:** Volume and flow converted to STP

USEPA R4 SESD proj. #: 11-0068 project leader: Mike Crowe

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# PM 2.5 Custody and Field Data Form


**A. Custody Record (Name, Date)**

1. Laboratory Out: J. Dool 3. Site Out McCrave 1-26-11  
 2. Site In McCrave 1-25-11 4. Laboratory In \_\_\_\_\_

**B. Site and Sampler Info:**

1. Site Name: Sample ID: YBAR92  
 2. Sampler: 3-02BAM-4042  
 3. Sampler Type: MASS  
 4. Date of Sampler Set-up 1-25-11  
 5. Intended Run Date 1-25-11

**C. SAMPLER CHANNEL COMPONENT**

	Component ID Number	Component Description
1	127315	MASS 400 Denuder (Citric Acid) <span style="float: right;">474</span>
1	127257	MASS 400 Denuder (Sodium Carbonate) <span style="float: right;">374</span>
1	 12837E Form Copy	MASS 400 Filter Pack (Teflon filter, nylon filter) <span style="float: right;">022</span> UFI# 13635784

**D. START, END, AND RETRIEVAL TIMES**

Channel No.	Start Date	Start time	End Date	End time	Retrieval Date	Retrieval time
1	1-25-11	1654	1-26-11	16:05	1-26-11	16:05

**E. SAMPLER CHANNEL INFORMATION (Post-Sampling)**

Channel No.	Elapsed sample Time	ES Time, Flag	Sample Volume S (m3)	Avg. flow S (L/min)	Avg. flow CV (%)	Avg. ambient T (°C)	Max ambient T (°C)	Min ambient T (°C)
1	1391 min		12.66	9.1				
Channel No.	Avg BP (mm Hg)	Max BP (mm Hg)	Min BP (mm Hg)	Δ Flow Flag	ΔT Flag	Avg DGM T (°C)	Max DGM T (°C)	Min DGM T (°C)
1								

**F. Comments:** Sample volume and flow already converted to STP

USEPA R4 SESD Proj 11-0068 Project Leader: Mike Crowe

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# PM 2.5 Custody and Field Data Form

**A. Custody Record (Name, Date)**

1. Laboratory Out: J. D. [Signature]      3. Site Out: Mike Crane 1-25-11  
 2. Site In: Mike Crane 1-24-11      4. Laboratory In: \_\_\_\_\_

**B. Site and Sampler Info:**

1. Site Name: Sample ID: YBAR 91
2. Sampler: URG - 02BAM - A042
3. Sampler Type: MASS
4. Date of Sampler Set-up: 1-24-11
5. Intended Run Date: 1-24-11

C. SAMPLER CHANNEL COMPONENT		
	Component ID Number	Component Description
1	12738C	MASS 400 Denuder (Citric Acid) <span style="float: right;">390</span>
1	127235	MASS 400 Denuder (Sodium Carbonate) <span style="float: right;">376</span>
1	 <small>112834B FormCoop</small>	MASS 400 Filter Pack (Teflon filter, nylon filter) <span style="float: right;">367</span>  <u>UFI # 13635751</u>

D. START, END, AND RETRIEVAL TIMES						
Channel No.	Start Date	Start time	End Date	End time	Retrieval Date	Retrieval time
1	1-24-11	1652	1-25-11	1623	1-25-11	16:23

E. SAMPLER CHANNEL INFORMATION (Post-Sampling)								
Channel No.	Elapsed sample Time	ES Time, Flag	Sample Volume (m3)	Avg. flow (L/min)	Avg. flow CV (%)	Avg. ambient T (°C)	Max ambient T (°C)	Min ambient T (°C)
1	1409		15.01	10.65				
Channel No.	Avg BP (mm Hg)	Max BP (mm Hg)	Min BP (mm Hg)	Δ Flow Flag	ΔT Flag	Avg DGM T (°C)	Max DGM T (°C)	Min DGM T (°C)
1								

**F. Comments:** Sample volume listed above has already been converted to STP.  
USEPA R4 SESD Proj # 11-0068 Project Leader: Mike Crane

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# PM 2.5 Custody and Field Data Form

**A. Custody Record (Name, Date)**

1. Laboratory Out: L. D. [Signature]      3. Site Out McCrone 1-25-11  
 2. Site In Mike Crowe 1-24-11      4. Laboratory In \_\_\_\_\_

**B. Site and Sampler Info:**

1. Site Name: Sample ID: YBARØ1  
 2. Sampler: URG-302BAM-A0404  
 3. Sampler Type: MASS  
 4. Date of Sampler Set-up 1-24-11  
 5. Intended Run Date 1-24-11

C. SAMPLER CHANNEL COMPONENT		
	Component ID Number	Component Description
1	127359	MASS 400 Denuder (Citric Acid) <span style="float: right;">404</span>
1	12729B	MASS 400 Denuder (Sodium Carbonate) <span style="float: right;">364</span>
1	 <small>112838F FormCoop</small>	MASS 400 Filter Pack (Teflon filter, nylon filter) <span style="float: right;">046</span> <span style="font-size: 1.2em; margin-left: 100px;">UFI # 13635773</span>

D. START, END, AND RETRIEVAL TIMES						
Channel No.	Start Date	Start time	End Date	End time	Retrieval Date	Retrieval time
1	1-24-11	1652	1-25-11	1623	1-25-11	1623

E. SAMPLER CHANNEL INFORMATION (Post-Sampling)								
Channel No.	Elapsed sample Time	ES Time, Flag	Sample Volume (m3)	Avg. flow (L/min)	Avg. flow CV (%)	Avg. ambient T (°C)	Max ambient T (°C)	Min ambient T (°C)
1	1409 min		14.56	10.33				
Channel No.	Avg BP (mm Hg)	Max BP (mm Hg)	Min BP (mm Hg)	Δ Flow Flag	ΔT Flag	Avg DGM T (°C)	Max DGM T (°C)	Min DGM T (°C)
1								

**F. Comments:** Sample volume listed above has already been converted to STP  
USEPA R4 SESD proj # 11-0068 Project Leader: Mike Crowe

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# PM 2.5 Custody and Field Data Form

**A. Custody Record (Name, Date)**

1. Laboratory Out: J. Dool      3. Site Out McLean 1-27-11  
 2. Site In McLean 1-26-11      4. Laboratory In \_\_\_\_\_

**B. Site and Sampler Info:**

1. Site Name: SAMPLE ID: YBBR03  
 2. Sampler: URG - 3-02BAA054  
 3. Sampler Type: MASS  
 4. Date of Sampler Set-up 1-26-11  
 5. Intended Run Date 1-26-11

C. SAMPLER CHANNEL COMPONENT		
	Component ID Number	Component Description
1	127337	MASS 400 Denuder (Citric Acid) <span style="float: right;">458</span>
1	127224	MASS 400 Denuder (Sodium Carbonate) <span style="float: right;">379</span>
1	 <small>1128307 FormCoop</small>	MASS 400 Filter Pack (Teflon filter, nylon filter) <span style="float: right;">364</span>  <div style="font-size: 1.2em; font-family: cursive;">UFI# 13635831</div>

D. START, END, AND RETRIEVAL TIMES						
Channel No.	Start Date	Start time	End Date	End time	Retrieval Date	Retrieval time
1	1-26-11	11:30	1-27-11	10:37	1-27-11	10:37

E. SAMPLER CHANNEL INFORMATION (Post-Sampling)								
Channel No.	Elapsed sample Time	ES Time, Flag	Sample Volume S (m3)	Avg. flow S (L/min)	Avg. flow CV (%)	Avg. ambient T (°C)	Max ambient T (°C)	Min ambient T (°C)
1	1387 min		14.48	10.44				
Channel No.	Avg BP (mm Hg)	Max BP (mm Hg)	Min BP (mm Hg)	Δ Flow Flag	ΔT Flag	Avg DGM T (°C)	Max DGM T (°C)	Min DGM T (°C)
1								

**F. Comments:** Sample volume + flow already converted to STD.  
USEPA R4 SESD Proj # 11-0068 Project Leader: Mike Crowe

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# PM 2.5 Custody and Field Data Form

**A. Custody Record (Name, Date)**

1. Laboratory Out: J. J. [Signature] 3. Site Out: Millcreek 1-25-11 <sup>26 me</sup>  
 2. Site In: Millcreek 1-24-11 4. Laboratory In: \_\_\_\_\_

**B. Site and Sampler Info:**

1. Site Name: Sample ID: YBAR02
2. Sampler: 302BAM-A040
3. Sampler Type: MASS
4. Date of Sampler Set-up: 1-25-11
5. Intended Run Date: 1-25-11

C. SAMPLER CHANNEL COMPONENT		
	Component ID Number	Component Description
1	12736A	MASS 400 Denuder (Citric Acid) <span style="float: right;">400</span>
1	127279	MASS 400 Denuder (Sodium Carbonate) <span style="float: right;">372</span>
1	 <small>112835C FormCopy</small>	MASS 400 Filter Pack (Teflon filter, nylon filter) <span style="float: right;">027</span>  <span style="font-size: 1.2em;">UFJ # 13635740</span>

D. START, END, AND RETRIEVAL TIMES						
Channel No.	Start Date	Start time	End Date	End time	Retrieval Date	Retrieval time
1	1-25-11	16:54	1-26-11	16:05	1-26-11	16:05

E. SAMPLER CHANNEL INFORMATION (Post-Sampling)								
Channel No.	Elapsed sample Time	ES Time, Flag	Sample Volume (m3)	Avg. flow S (L/min)	Avg. flow CV (%)	Avg. ambient T (°C)	Max ambient T (°C)	Min ambient T (°C)
1	1391 min		14.61	10.5				
Channel No.	Avg BP (mm Hg)	Max BP (mm Hg)	Min BP (mm Hg)	Δ Flow Flag	ΔT Flag	Avg DGM T (°C)	Max DGM T (°C)	Min DGM T (°C)
1								

**F. Comments:** Sample volume + flow already converted to STP.

USEPA R4 SEDS Proj # 11-0068 Project Leader: Mike Crowe

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# PM 2.5 Custody and Field Data Form

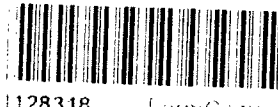
**A. Custody Record (Name, Date)**

1. Laboratory Out: For you 3. Site Out Mike Crowe 1-26-11  
 2. Site In Mike Crowe 1-25-11 4. Laboratory In \_\_\_\_\_

**B. Site and Sampler Info:**

1. Site Name: Sample ID: YBBR02
2. Sampler: 3-02BAA054
3. Sampler Type: MASS
4. Date of Sampler Set-up 1-25-11
5. Intended Run Date 1-25-11

**C. SAMPLER CHANNEL COMPONENT**

	Component ID Number	Component Description	
1	127390	MASS 400 Denuder (Citric Acid)	388
1	127246	MASS 400 Denuder (Sodium Carbonate)	375
1	 <small>1128318 FormCopy</small>	MASS 400 Filter Pack (Teflon filter, nylon filter)  <u>UFI # 13635820</u>	001

**D. START, END, AND RETRIEVAL TIMES**

Channel No.	Start Date	Start time	End Date	End time	Retrieval Date	Retrieval time
1	1-25-11	11:38	1-26-11	11:11		

**E. SAMPLER CHANNEL INFORMATION (Post-Sampling)**

Channel No.	Elapsed sample Time	ES Time, Flag	Sample Volume S (m3)	Avg. flow S (L/min)	Avg. flow CV (%)	Avg. ambient T (°C)	Max ambient T (°C)	Min ambient T (°C)
1	1413 min.		14.74	10.43				
Channel No.	Avg BP (mm Hg)	Max BP (mm Hg)	Min BP (mm Hg)	Δ Flow Flag	ΔT Flag	Avg DGM T (°C)	Max DGM T (°C)	Min DGM T (°C)
1								

**F. Comments:** Sample volume + flow already converted to STD.

USEPA R4 SESD Proj # 11-0068 Proj. Leader: Mike Crowe

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## PM 2.5 Custody and Field Data Form

**A. Custody Record (Name, Date)**

1. Laboratory Out: L. D. D. 3. Site Out 1-27-11 Mike Crowe  
 2. Site In Mike Crowe 1-26-11 4. Laboratory In \_\_\_\_\_

**B. Site and Sampler Info:**

1. Site Name: Sample ID: YBBRB3  
 2. Sampler: 3-02BAA059  
 3. Sampler Type: MASS  
 4. Date of Sampler Set-up 1-26-11  
 5. Intended Run Date 1-27-11

C. SAMPLER CHANNEL COMPONENT		
	Component ID Number	Component Description
1	12737B	MASS 400 Denuder (Citric Acid) <span style="float: right;">398</span>
1	127213	MASS 400 Denuder (Sodium Carbonate) <span style="float: right;">380</span>
1	 112839G FormCopy	MASS 400 Filter Pack (Teflon filter, nylon filter) <span style="float: right;">096</span> UFI # 1363570 <span style="float: right;">960</span>

D. START, END, AND RETRIEVAL TIMES						
Channel No.	Start Date	Start time	End Date	End time	Retrieval Date	Retrieval time
1	1-26-11	11:20	1-27-11	10:30		

E. SAMPLER CHANNEL INFORMATION (Post-Sampling)								
Channel No.	Elapsed sample Time	ES Time, Flag	Sample Volume $\bar{v}$ (m <sup>3</sup> )	Avg. flow $\bar{v}$ (L/min)	Avg. flow CV (%)	Avg. ambient T (°C)	Max ambient T (°C)	Min ambient T (°C)
1	1390 min		14.50	10.45				
Channel No.	Avg BP (mm Hg)	Max BP (mm Hg)	Min BP (mm Hg)	Δ Flow Flag	ΔT Flag	Avg DGM T (°C)	Max DGM T (°C)	Min DGM T (°C)
1								

**F. Comments:** Sample volume + flow rate already converted to STP.

USEPA R4 SESD Proj # 11-0068 Proj Leader: Mike Crowe

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