

Event Sample Matrix Sheet

**Ventura County Mass Emission Monitoring
2006 – 2007 Event #1 Grab Field Sampling Requirements**

Constituent (bottle preservative)	ME-CC	ME-CC MS/MSD	ME-VR2	MB-1 FIELD BLANK	ME-SCR	A-1	D-1 Lab Dup	I-2	R-1	W-3	W-4
Grab Samples	Mass Emission *					Land Use *				Receiving Waters *	
Total Ammonia as N (1 pint)	250	-	250	-	250	250	250	-	-	250	250
Conductivity	250	-	250	-	250	250	250	-	-	250	250
pH	250	-	250	-	250	250	250	-	-	250	250
Perchlorate	250	-	250	-	250	250	250	-	-	250	250
Oil & Grease (1 quart) (H ₂ SO ₄)	1000	-	1000	-	1000	1000	1000	-	-	1000	1000
Mercury	250	-	250	250 Bl Water	250	250	250	-	-	250	250
MTBE (3 - 40MI VIALS)	-	-	-	-	-	120	120	-	-	120	120
TRPH (H ₂ SO ₄)	1000	-	1000	-	1000	1000	1000	-	-	1000	1000
Total and Fecal Coliform	100	-	100	100 Bl Water	100	100	100	-	-	100	100
E. Coli											
Enterococcus											
Chronic & Acute Toxicity (TIE)	5 gal	-.	5 gal	-	5 gal	5 gal	-	5 gal	5 gal	5 gal	5 gal

* Conduct analysis on original sample volume

Chronic TIE shall be conducted when toxicity manifests in two consecutive wet weather samples, or any one dry weather sample.

Acute TIE whenever TUA is >1.

Event Sample Matrix Sheet

Ventura County Mass Emission Monitoring

2006 – 2007 Event #1 Composite Sampling Requirements

Constituent (bottle preservative)	ME-CC	ME-CC MS/MSD	ME-VR2	MB-1 FIELD BLANK	ME-SCR	A-1	D-1 Lab Dup	I-2	R-1	W-3	W-4
Composite Samples	Mass Emission					Land Use				Receiving Waters	
Dis. Metals (As, Cd, Cr, Cu, Hg, Pb, Ni, Se, Ag, Tl, Zn)	250	-	250	-	250	250	250	-	-	250	250
Total Metals (As, Cd, Cr, Cu, Hg, Pb, Ni, Se, Ag, Tl, Zn)		*		250 Bl Water							
Hardness (HNO ₃)											
Semi-volatile Organics (EPA 8270)	2000	4000	2000	2000 Bl Water	2000	2000	2000	-	-	2000	2000
OC-Pesticides (EPA 8081)											
OP-Pesticides (EPA 8141)											
Cl-Herbicides (EPA 8151)	1000	2000	1000		1000	1000	1000	-	-	1000	1000
Glyphosate (EPA 547)	125	-	125		125	125	125	-	-	125	125
TOC (H ₂ SO ₄)	250	-	250		250	250	250	-	-	250	250
BOD (1 quart bottle)	500	-	500		500	500	500	-	-	500	500
Bromide	250	-	250		250	250	250	-	-	250	250
Chloride											
Nitrite as N											
Orthophosphate	1000	-	1000		1000	1000	1000	-	-	1000	1000
TDS/TSS											
Nitrate as N (1 pint bottle)	500	-	500		500	500	500	-	-	500	500
Nitrate – Nitrite as N	1000	-	1000		1000	1000	1000	-	-	1000	1000
TKN (H ₂ SO ₄)											
Phosphorous, total											
Phosphorous, dis.											
Total Composite Volumes	6875	6000	6875	2250	6875	6875	6875	0	0	6875	6875
* Conduct analysis on original sample volume	12875		9125			13750				13750	

Event Sample Matrix Sheet

Ventura County Mass Emission Monitoring 2006 – 2007 Event #2 Grab Field Sampling Requirements

Constituent (bottle preservative)	ME-CC	MB-1 Field Blank	ME-SCR	ME-SCR MS/MSD	ME-VR2	MD-1 Field Dup
Grab Samples						
Total Ammonia as N (plastic)						
Conductivity	250	-	250	-	250	250
pH						
Perchlorate (plastic)	250	-	250	-	250	250
Oil & Grease (<i>wide mouth - amber glass</i>)	1000	-	1000	-	1000	1000
Mercury	250	250 Bl Water	250		250	250
TRPH (amber glass)	1000	-	1000	-	1000	1000
Total and Fecal Coliform	100	100 Bl Water	100	-	100	100
E. Coli						
Enterococcus						
Chronic Toxicity (TIE)	5 gal	-	5 gal	-	5 gal	-

* Conduct analysis on original sample volume

TIE shall be conducted when toxicity manifests in two consecutive wet weather samples, or any one dry weather sample.

Event Sample Matrix Sheet

Ventura County Mass Emission Monitoring 2006 – 2007 Event #2 Composite Sampling Requirements

Constituent (bottle preservative)	ME-CC	MB-1 Field Blank	ME-SCR	ME-SCR MS/MSD	ME-VR2	MD-1 Field Dup
Composite Samples						
Dis. Metals (As, Cd, Cr, Cu, Hg, Pb, Ni, Se, Ag, Tl, Zn)	500	-	500	-	500	500
Total Metals (As, Cd, Cr, Cu, Hg, Pb, Ni, Se, Ag, Tl, Zn) Hardness (HNO ₃)		* Bl Water		*		
Semi-volatile Organics (EPA 8270) OC-Pesticides (EPA 8081) OP-Pesticides (EPA 8141)	2000	2000 Bl Water	2000	2000	2000	2000
Cl-Herbicides (EPA 8151)	1000	-	1000	2000	1000	1000
Glyphosate (EPA 547)	125	-	125	-	125	-
TOC (2 x 40 ml vials) (H ₂ SO ₄)	80	-	80	-	80	80
BOD (1 quart bottle) Bromide Chloride Nitrite as N Orthophosphate TDS/TSS	1000	-	1000	-	1000	1000
Nitrate as N (1 pint bottle) (H ₂ SO ₄) Nitrate – Nitrite as N TKN Phosphorous, total Phosphorous, dis.	500	-	500	-	500	500
Total Composite Volumes	5205		5205	4000	5205	5080
* Conduct analysis on original sample volume		5205		9205		10285

Event Sample Matrix Sheet

Ventura County Mass Emission Monitoring

2006 – 2007 Event #3 Grab Field Sampling Requirements

Constituent (bottle preservative)	ME-CC	ME-CC MS/MSD	ME-SCR	MB-1 Field Blank	ME-VR2
Grab Samples					
Total Ammonia as N (plastic)					
Conductivity	250	-	250	-	250
pH					
Perchlorate (plastic)	250		250	-	250
Oil & Grease (<i>wide mouth - amber glass</i>)	1000	-	1000	-	1000
TRPH (amber glass)	1000	-	1000	-	1000
Total and Fecal Coliform	100	-	100	100 Bl Water	100
E. Coli					
Enterococcus					
Chronic Toxicity (TIE)	-	-	-	-	-

* Conduct analysis on original sample volume

TIE shall be conducted when toxicity manifests in two consecutive wet weather samples, or any one dry weather sample.

Event Sample Matrix Sheet

Ventura County Mass Emission Monitoring 2006 – 2007 Event #3 Composite Sampling Requirements

Constituent (bottle preservative)	ME-CC	ME-CC MS/MSD	ME-SCR	MB-1 Field Blank	ME-VR2
Composite Samples					
Dis. Metals (As, Cd, Cr, Cu, Hg, Pb, Ni, Se, Ag, Tl, Zn)	500	-	500	-	500
Total Metals (As, Cd, Cr, Cu, Hg, Pb, Ni, Se, Ag, Tl, Zn) Hardness (HNO ₃)		*		* BI Water	
Semi-volatile Organics (EPA 8270) OC-Pesticides (EPA 8081) OP-Pesticides (EPA 8141)	2000	2000	2000	2000 BI Water	2000
Cl-Herbicides (EPA 8151)	1000	2000	1000	-	1000
Glyphosate (EPA 547)	125	-	125	-	125
TOC (2 x 40 ml vials) (H ₂ SO ₄)	80	-	80	-	80
BOD (1 quart bottle) Bromide Chloride Nitrite as N Orthophosphate TDS/TSS	1000	-	1000	-	1000
Nitrate as N (1 pint bottle) (H ₂ SO ₄) Nitrate – Nitrite as N TKN Phosphorous, total Phosphorous, dis.	500	-	500	-	500
Total Composite Volumes	5205	4000	5205		5205
* Conduct analysis on original sample volume		9205		5205	5205

Event Sample Matrix Sheet

Ventura County Mass Emission Monitoring

2006 – 2007 Event #4 Grab Field Sampling Requirements

Constituent (bottle preservative)	ME-CC	ME-SCR	MD-1 Lab Dup	ME-VR2	ME-VR2 MS/MSD
Grab Samples					
Total Ammonia as N (plastic)					
Conductivity	250	250	250	250	-
pH					
Perchlorate (plastic)	250	250	250	250	
Oil & Grease (<i>wide mouth - amber glass</i>)	1000	1000	1000	1000	-
TRPH (amber glass)	1000	1000	1000	1000	-
Total and Fecal Coliform	100	100	100	100	-
E. Coli					
Enterococcus					
Chronic Toxicity (TIE)	-	-	-	-	-.

* Conduct analysis on original sample volume

TIE shall be conducted when toxicity manifests in two consecutive wet weather samples, or any one dry weather sample.

Event Sample Matrix Sheet

Ventura County Mass Emission Monitoring 2006 – 2007 Event #4 Composite Sampling Requirements

Constituent (bottle preservative)	ME-CC	ME-SCR	MD-1 Lab Dup	ME-VR2	ME-CC MS/MSD
Composite Samples					
Dis. Metals (As, Cd, Cr, Cu, Hg, Pb, Ni, Se, Ag, Tl, Zn)	500	500		500	-
Total Metals (As, Cd, Cr, Cu, Hg, Pb, Ni, Se, Ag, Tl, Zn)			500		*
Hardness (HNO₃)					
Semi-volatile Organics (EPA 8270)	2000	2000	2000	2000	2000
OC-Pesticides (EPA 8081)					
OP-Pesticides (EPA 8141)					
Cl-Herbicides (EPA 8151)	1000	1000	-	1000	2000
Glyphosate (EPA 547)	125	125	-	125	-
TOC (2 x 40 ml vials) (H₂SO₄)	80	80	-	80	-
BOD (1 quart bottle)	1000	1000	-	1000	-
Bromide					
Chloride					
Nitrite as N					
Orthophosphate					
TDS/TSS					
Nitrate as N (1 pint bottle) (H₂SO₄)	500	500	-	500	-
Nitrate – Nitrite as N					
TKN					
Phosphorous, total					
Phosphorous, dis.					
Total Composite Volumes	5205	5205	2500	5205	4000
* Conduct analysis on original sample volume			7705	9205	

Ventura County Mass Emission Monitoring
2006 – 2007 Event #5 Grab Field Sampling Requirements

Constituent (bottle preservative)	ME-CC	MB-1 FIELD BLANK	ME-SCR	ME-SCR MS/MSD	ME-VR2
Grab Samples					
Total Ammonia as N (<i>1 pint</i>)					
Conductivity	500	-	500	-	500
pH					
Perchlorate	250	-	250	-	250
Oil & Grease (<i>1 quart</i>) (H ₂ SO ₄)	1000	-	1000	-	1000
TRPH (H ₂ SO ₄)	2000	-	2000	-	2000
Total Recoverable Mercury	500	500	500	*	500
Dissolved Mercury		B1 Water		-	
Total and Fecal Coliform	100	100	100	-	100
E. Coli		B1 Water			
Enterococcus					
Chronic Toxicity (TIE)	5 gal	-	5 gal	-.	5 gal

* Conduct analysis on original sample volume

TIE shall be conducted when toxicity manifests in two consecutive wet weather samples, or any one dry weather sample.

Ventura County Mass Emission Monitoring

2006 – 2007 Event #5 Composite Sampling Requirements

Constituent (bottle preservative)	ME-CC	MB-1 FIELD BLANK	ME-SCR	ME-SCR MS/MSD	ME-VR2
Composite Samples					
Dis. Metals (As, Cd, Cr, Cu, Pb, Ni, Se, Ag, Tl, Zn)	500	-	500	-	500
Total Metals (As, Cd, Cr, Cu, Pb, Ni, Se, Ag, Tl, Zn)		500 Bl Water		*	
Hardness (HNO ₃)					
Semi-volatile Organics (EPA 8270)	2000	2000 Bl Water	2000	4000	2000
OC-Pesticides (EPA 8081)					
OP-Pesticides (EPA 8141)					
Cl-Herbicides (EPA 8151)	1000	-	1000	2000	1000
Glyphosate (EPA 547)	125	-	125	-	125
TOC (2 x 40 ml vials) (H ₂ SO ₄)	80	-	80	-	80
BOD (1 quart bottle)	1000	-	1000	-	1000
Bromide					
Chloride					
Nitrite as N					
Orthophosphate					
TDS/TSS					
Nitrate as N (1 pint bottle) (H ₂ SO ₄)	500	-	500	-	500
Nitrate – Nitrite as N					
TKN					
Phosphorous, total					
Phosphorous, dis.					
Total Composite Volumes	5205	2500	5205	6000	5205
		7705		11205	

* Conduct analysis on original sample volume

Ventura County Mass Emission Monitoring

2006 – 2007 Event #6 Grab Field Sampling Requirements

Constituent (bottle preservative)	ME-CC	ME-SCR	MD-1 Field Dup	ME-VR	ME-VR MS/MSD
Grab Samples					
Total Ammonia as N (<i>1 pint</i>)					
Conductivity	500	500	500	500	-
pH					
Perchlorate	250	250	250	250	-
Oil & Grease (<i>1 quart</i>) (H ₂ SO ₄)	1000	1000	1000	1000	-
TRPH (H ₂ SO ₄)	2000	2000	2000	2000	-
Total Recoverable Mercury	500	500	500	500	*
Dissolved Mercury					-
Total and Fecal Coliform	100	100	100	100	-
E. Coli					
Enterococcus					
Chronic Toxicity (TIE)	5 gal	5 gal	-	5 gal	-.

* Conduct analysis on original sample volume

TIE shall be conducted when toxicity manifests in two consecutive wet weather samples, or any one dry weather sample.

Ventura County Mass Emission Monitoring

2006 – 2007 Event #6 Composite Sampling Requirements

Constituent (bottle preservative)	ME-CC	ME-SCR	MD-1 Field Dup	ME-VR	ME-VR MS/MSD
Composite Samples					
Dis. Metals (As, Cd, Cr, Cu, Pb, Ni, Se, Ag, Tl, Zn)	500	500	500	500	-
Total Metals (As, Cd, Cr, Cu, Pb, Ni, Se, Ag, Tl, Zn)					*
Hardness (HNO ₃)					
Semi-volatile Organics (EPA 8270)					
OC-Pesticides (EPA 8081)	2000	2000	2000	2000	4000
OP-Pesticides (EPA 8141)					
Cl-Herbicides (EPA 8151)	1000	1000	1000	1000	2000
Glyphosate (EPA 547)	125	125	-	125	-
TOC (2 x 40 ml vials) (H ₂ SO ₄)	80	80	80	80	-
BOD (1 quart bottle)	1000	1000	1000	1000	-
Bromide					
Chloride					
Nitrite as N					
Orthophosphate					
TDS/TSS					
Nitrate as N (1 pint bottle) (H ₂ SO ₄)	500	500	500	500	-
Nitrate – Nitrite as N					
TKN					
Phosphorous, total					
Phosphorous, dis.					
Total Composite Volumes	5205	5205	5080	5205	6000
* Conduct analysis on original sample volume			10285		11205