

Table A-2 of Appendix A to Part 58--Minimum Data Assessment Requirements for SLAMS Sites

Method	Assessment method	Coverage	Minimum Frequency	Parameters reported	AQS Trans Type	Reqd Reporting to AQS
Automated Methods						
1-Point QC for SO2, NO2, O3, CO	Response check at concentration 0.01-0.1 ppm SO2, NO2, O3, and 1-10 ppm CO	Each analyzer	Once per 2 weeks..	Audit concentration ¹ and measured concentration ² .	RP	Y
Annual performance evaluation for SO2, NO2, O3, CO	See section 3.2.2 of this appendix	Each analyzer	Once per year	Audit concentration ¹ and measured concentration ² for each level.	RA	Y
Flow rate verification PM2.5, PM10 - 2.5	Check of sampler flow rate	Each sampler	Once every month	Audit flow rate and measured flow rate indicated by the sampler.	RP	N
Flow rate verification PM10	Check of sampler flow rate	Each sampler	Once every month	Audit flow rate and measured flow rate indicated by the sampler.	RP	Y
Semi-annual flow rate audit PM10, PM2.5, PM10 - 2.5.	Check of sampler flow rate using independent standard.	Each sampler	Once every 6 months	Audit flow rate and measured flow rate indicated by the sampler.	RA	Y
Collocated sampling PM2.5, PM10 - 2.5	Collocated samplers.	15%	Every 12 days	Primary sampler concentration and duplicate sampler concentration.	RP	Y
Performance evaluation program PM2.5, PM10-2.	Collocated samplers.	1) 5 valid audits for primary QA orgs, with <= 5 sites. 2) 8 valid audits for primary QA orgs, with > 5 sites. 3) All samplers in 6 years	Over all 4 quarters	Primary sampler concentration and performance evaluation sampler concentration.	RP	Y
Manual Methods						
Collocated sampling PM10, TSP, PM10 - 2.5, PM2.5, Pb-TSP, Pb-PM10.	Collocated samplers.	15%	Every 12 days PSD--every 6 days.	Primary sampler concentration and duplicate sampler concentration. ³	RP (or RD)	Y
Flow rate verification PM10 (low Vol), PM10-2.5, PM2.5, Pb-PM10	Check of sampler flow rate.	Each sampler	Once every month	Audit flow rate and measured flow rate indicated by the sampler.	RP	N
Flow rate verification PM10 (High-Vol), TSP, Pb-TSP	Check of sampler flow rate.	Each sampler	Once every quarter	Audit flow rate and measured flow rate indicated by the sampler.	RP	N
Semi-annual flow rate audit PM10, TSP, PM10-2.5, PM2.5, Pb-TSP, Pb-PM10.	Check of sampler flow rate using independent standard.	Each sampler, all locations.	Once every 6 months.	Audit flow rate and measured flow rate indicated by the sampler	RA	Y
Pb audit strips Pb-TSP, Pb-PM10	Check of analytical system with Pb audit strips.	Analytical.	Each quarter.	Actual concentration and audit concentration for parameters: 14129 - Pb (TSP) LC FRM/FEM 85129 - Pb (TSP) LC Non-FRM/FEM	RA	Y
Performance Evaluation Program PM2.5, PM10-2.5 (PEP)	Collocated samplers.	1) 5 valid audits for primary QA orgs, with <= 5 sites. 2) 8 valid audits for primary QA orgs, with > 5 sites. 3) All samplers in 6 years	Over all 4 quarters	Primary sampler concentration and performance evaluation sampler concentration (EPA's PEP sampler). Use "Agency Performing FRM Audit " field on RP transaction.	RP	S/L/T for primary value RTI for PEP value
Performance Evaluation Program Pb-TSP, Pb-PM10 (Pb PEP)	Collocated samplers.	1) 1 valid audit for primary QA orgs, with <=5 sites. 2) 2 valid audits for primary QA orgs with > 5 sites.	Over all 4 quarters	Primary sampler concentration and performance evaluation sampler concentration (EPA's PEP sampler). Use "Agency Performing FRM Audit " field on RP transaction.	RP	S/L/T for primary value RTI for PEP value
Performance Evaluation Program Pb-TSP, Pb-PM10 (Collocated Pb PEP)	Collocated samplers.	1) 4 collocated samples for primary QA orgs, with <=5 sites. 2) 6 collocated samples for primary QA orgs with > 5 sites.	Over all 4 quarters	Use duplicate sampler id on RA transaction. Primary monitor reports indicated value, duplicate monitor reports actual value. Use Accuracy Type of "Collocated PEP".	RA	?

¹ Effective concentration for open path analyzers.

² Corrected concentration, if applicable, for open path analyzers.

³ Precision data is system generated when raw data is submitted for both collocated monitors for same date-time, and monitor ids are populated on monitor collocation record in AQS.

Gaseous Parameter Codes		Particulate Parameter Codes	
SO2	42401	PM10	81102

NO2	42602	TSP	11101
O3	44201	PM10-2.5	86101
CO	42101	PM2.5	88101
		Pb-TSP	14129
		Pb-PM10	85129