

Summary of Results of Particulate Sampling Train (M05)

Date	24-Nov-06
Start time	13:43
Stop time	15:45

Sampling Conditions

Dry gas meter correction factor	0.9751
Pitot tube coefficient	0.84
Static Pressure	-1 mm H2O
Sample location area	0.25 m2
Barometric Pressure	761 mm Hg
Nozzle diameter	12.7 mm
Oxygen	18.0 %
Carbon Dioxide	2.0 %
Liquid collected	76 ml
Volume metered	1127.8 L
Dry gas meter temperature	24 degC
Stack temperature	230 degC
Meter box orifice pressure drop	10.3 mm H2O
Total sampling time	120 min

Flow Results

Volume of water collected, standard	0.09 m3
Volume metered, standard	1.01 m3
Sample gas pressure, absolute	761 mm Hg
Moisture in sample	8.5 % by volume
Velocity head	0.52 sqrt mm Hg
MW of sample gas, dry	29.0 g/g-mole
MW of sample gas, wet	28.4 g/g-mole
Velocity of flue gas	2.3 m/s
Isokinetic sampling	95.7 %
Volumetric flow rate, actual	2100 acmh
Volumetric flow rate, standard	1045 dscmh

Particulate

Concentration	22.7 mg/dscm
Concentration corrected to 12% CO2	136.1 mg/dscm
Emission rate	0.024 kg/hr

Summary of Results of Particulate Sampling Train (M05)

Date	27-Nov-06
Start time	9:50
Stop time	11:52

Sampling Conditions

Dry gas meter correction factor	0.9751
Pitot tube coefficient	0.84
Static Pressure	-1 mm H2O
Sample location area	0.25 m2
Barometric Pressure	760 mm Hg
Nozzle diameter	12.7 mm
Oxygen	18.0 %
Carbon Dioxide	2.0 %
Liquid collected	89 ml
Volume metered	908.3 L
Dry gas meter temperature	25 degC
Stack temperature	233 degC
Meter box orifice pressure drop	9.1 mm H2O
Total sampling time	113 min

Flow Results

Volume of water collected, standard	0.11 m3
Volume metered, standard	0.81 m3
Sample gas pressure, absolute	760 mm Hg
Moisture in sample	12.0 % by volume
Velocity head	0.49 sqrt mm Hg
MW of sample gas, dry	29.0 g/g-mole
MW of sample gas, wet	28.4 g/g-mole
Velocity of flue gas	2.2 m/s
Isokinetic sampling	90.1 %
Volumetric flow rate, actual	1989 acmh
Volumetric flow rate, standard	944 dscmh

Particulate

Concentration	27.8 mg/dscm
Concentration corrected to 12% CO2	167.0 mg/dscm
Emission rate	0.026 kg/hr

Summary of Results of Particulate Sampling Train (M05)

Date	27-Nov-06
Start time	13:20
Stop time	15:31

Sampling Conditions

Dry gas meter correction factor	0.9751
Pitot tube coefficient	0.84
Static Pressure	-1 mm H2O
Sample location area	0.25 m2
Barometric Pressure	759 mm Hg
Nozzle diameter	12.7 mm
Oxygen	17.7 %
Carbon Dioxide	2.3 %
Liquid collected	88 ml
Volume metered	875.2 L
Dry gas meter temperature	27 degC
Stack temperature	218 degC
Meter box orifice pressure drop	7.4 mm H2O
Total sampling time	120 min

Flow Results

Volume of water collected, standard	0.11 m3
Volume metered, standard	0.78 m3
Sample gas pressure, absolute	759 mm Hg
Moisture in sample	12.3 % by volume
Velocity head	0.44 sqrt mm Hg
MW of sample gas, dry	29.1 g/g-mole
MW of sample gas, wet	28.4 g/g-mole
Velocity of flue gas	1.9 m/s
Isokinetic sampling	90.5 %
Volumetric flow rate, actual	1741 acmh
Volumetric flow rate, standard	847 dscmh

Particulate

Concentration	23.2 mg/dscm
Concentration corrected to 12% CO2	120.8 mg/dscm
Emission rate	0.020 kg/hr