Parameters	Analytical Methods[1]	Detection Limit/Range	Typical Precisions	QC Requirements
Carbon Dioxide (CO_2)	ISBT 2.0 Caustic absorption Zahm-Nagel ALI method SAM 4.1 subtraction method (GC/DID) GC/TCD	Note 2	Note 2	Note 2
Water (H_2O)		Note 2	Note 2	Note 2
Oxygen (O_2)	ISBT 4.0(GC/DID) GC/TCD	Note 2	Note 2	Note 2
Nitrogen (N_2)	ISBT 4.0(GC/DID) GC/TCD	Note 2	Note 2	Note 2
Hydrogen Sulfide (H_2S)	ISBT 14.0 (GC/SCD)	Note 2	Note 2	Note 2
Argon (Ar)		Note 2	Note 2	Note 2
Sulfur dioxide (SO_2)	ISBT 10.1 GC/FID)	Note 2	Note 2	Note 2
Methane (CH_4)	ISBT 10.1 GC/FID)	Note 2	Note 2	Note 2
Total hydrocarbons (C2H6, C3H8+)	ISBT 10.0 THA (FID)	Note 2	Note 2	Note 2
Hydrogen (H_2)		Note 2	Note 2	Note 2
Carbon Monoxide (CO)	ISBT 5.0 Colorimetric ISBT 4.0(GC/DID	Note 2	Note 2	Note 2
COS		Note 2	Note 2	Note 2
Nitrogen Oxides (any (NO_x)	ISBT 7.0 Colorimetric	Note 2	Note 2	Note 2
Glycol		Note 2	Note 2	Note 2

Table 4.1.5.1-1 Summary of Analytical Parameters for CO2 Stream

Note 1: An equivalent method may be employed with the prior approval of the UIC Program Director.
Note 2. These details to be negotiated with the selected lab (s)