

## Coastal Caverns I, L.P. Ethylene Header Product Specification

#	Product	Unit	Coastal Header	
			Spec	Testing
1	Ethylene (min)	% wt	99.90%	Subtractive
		% m	N/A	
2	Light inerts (C1+C2+N2)	ppm wt	N/A	Online
		ppm m	1000	
5	Acetylene	ppm wt	5.00	Online
		ppm m	5.39	
6	Propylene and heavier (1)	ppm wt	10.00	N/A
		ppm m	6.67	
7	Carbon Dioxide	ppm wt	5.00	Online
		ppm m	3.19	
8	Carbon Monoxide	ppm wt	3.00	Online
		ppm m	3.00	
9	Water	ppm wt	1.00	Online
		ppm m	1.56	
10	Total Sulfur (2)	ppm wt	1.00	N/A
		ppm m	0.44	
11	Oxygen	ppm wt	1.00	Online
		ppm m	0.88	
12	Hydrogen	ppm wt	5.00	Online
		ppm m	69.57	
13	Ammonia	ppm wt	1.00	Online
		ppm m	1.65	
14	Methanol	ppm wt	1.00	Online
		ppm m	0.88	

Notes:

1. Test C3 to C10 per ASTM D6159 periodically or when requested.
2. Total Sulfur includes H<sub>2</sub>S, COS, and Mercaptans. To be tested periodically or when requested.