

Samples collected by L. Beatty, Mount Baker Volcano Research Center, July 13, 2013. Analyses by W. Evans, USGS, July 23, 2013.

20130723	Baker #2	Baker #3
	*Smiley Gp.	Smiley Gp.
	13-Jul-13	13-Jul-13
not normalized		
vol-%		
He	0.0015	0.0016
H2	1.1515	1.0866
Ar	0.0081	0.0453
O2	0.1885	1.0265
N2	0.9879	4.1706
CH4	0.7504	0.7015
CO2	92.3291	88.1260
C2H6	<0.0002	<0.0002
H2S	4.2155	4.0820
CO	<0.001	<0.001
C3H8	<0.0005	<0.0005
C4H10	<0.0005	<0.0005
Sum	99.6325	99.2401
N2/Ar	122.3	92.0
air-cor.	-875.1	-781.6
N2/O2	5.24	4.06
t(D'A,P)	251	251
CO2 term	1	1
d13C-CO2		
d13C-CH4		
normalized (100%)		
vol-%		
He	0.0015	0.0016
H2	1.1558	1.0949
Ar	0.0081	0.0457
O2	0.1892	1.0343
N2	0.9916	4.2025
CH4	0.7532	0.7068
CO2	92.6696	88.8008
C2H6	<0.0002	<0.0002
H2S	4.2310	4.1133
CO	<0.001	<0.001
C3H8	<0.0005	<0.0005
C4H10	<0.0005	<0.0005
~O2	0.1907	1.0235
~N2	0.9917	4.2060
~CH4	0.7437	0.6975

\*Smiley fumarole group is inside the west rim of Sherman Crater, just above the crater floor.