

Samples collected by D. Tucker, Mount Baker
Volcano Research Center, Aug. 6, 2012.

Analyses by W. Evans, USGS, Aug. 22, 2012.

20120822	Baker #1	Baker #3
	*Smiley	Smiley
	8/6/12	8/6/12
vol-%		
He	0.0009	0.0010
H2	0.9328	1.0881
Ar	0.0149	0.0143
O2	0.3199	0.2854
N2	1.6899	1.2788
CH4	0.7343	0.7547
CO2	93.6302	94.3917
C2H6	<0.0002	<0.0002
H2S	3.9076	3.7232
CO	<0.001	<0.001
C3H8	<0.0005	<0.0005
C4H10	<0.0005	<0.0005
Sum	101.2305	101.5372
N2/Ar	113.7	89.4
air-cor.	835.9	136.5
N2/O2	5.28	4.48
t(D'A,P)	243	246
CO2 term	1	1
d13C-CO2		
d13C-CH4		
normalized		
vol-%		
He	0.0009	0.0010
H2	0.9214	1.0717
Ar	0.0147	0.0141
O2	0.3160	0.2811
N2	1.6694	1.2594
CH4	0.7254	0.7432
CO2	92.4920	92.9627
C2H6	<0.0002	<0.0002
H2S	3.8601	3.6669
CO	<0.001	<0.001
C3H8	<0.0005	<0.0005
C4H10	<0.0005	<0.0005

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