



Project: <i>Voigt AVF</i>	Project Number: <i>362-15-U</i>	Client: <i>Braata</i>
Boring #: <i>SB-2</i>	Boring Depth (ft): <i>15 (16)</i>	Ground Elevation:
Start Date: <i>10/4/17</i>	Completion Date: <i>10/4/17</i>	

15
 12
 3
 2
 15
 50

Depth (ft)	Elevation (ft)	Lithology	Material Description	Head-Space Soil Samples	PID (mu*)
0-14"			10YR3/1, no rxn, silcl		
14-18"			10YR3/2, no rxn, silcl		
18-36"			2.5Y3/1, clid 2.5Y7/2, vs rxn, 10cm. SLM		
36- 48 58"			2.5Y3/2 clid 2.5Y7/2, slight rxn, SL SLM		
58-76			Silcl 2.5Y3/2 strong rxn ctm 1/2d 2.5Y7/2 SLM		
76-96			Silcl 2.5Y4/2 strong rxn c to m to 8Y4/2 c to m 1/2d 2.5Y7/2 SLM		
96-107			Silcl, 2.5Y4/3, slight rxn, 1/2d 2.5Y7/2		
107-135			Silcl, 2.5Y4/2, violat rxn, c to m 1/2d 2.5Y7/2		
135-144			low grade w/ SL, ∇ , 2.5Y4/3 - some coal (run in sand)		
144-153			Silcl, mo. it w/ 2.5Y5/1, clid p 7.5Y4/4, so c to m coal, ctm 2.5Y7/2, slight rxn. 2 2" - some wulfs thin dry all colors - moist		

23 ft in
 1 unit
 50 cm
 - not full unit?
 or 1/2 unit
 or

153-180 ∇ Soil, some gravel, coal in - Scoria pieces
 2.5Y4/1 w/ c to m 2+3d 10YR4/4



Project: Voigt AVF	Project Number: 362-15-LL	Client: Braaten
Boring #: SB-3	Boring Depth (ft): (16) (51)	Ground Elevation:
Start Date: 10/4/19	Completion Date: 10/4/19	

Depth (ft)	Elevation (ft)	Lithology	Material Description	Head-Space Soil Samples	PID (mu*)
0-14			cl, 104R2/1, no rxn		
14-21			scl, 2.544/2 no rxn moist to 21		
21-36			scl, 2.543/2, slight rxn, C1 + 2 d 2.547/2 SL		
36-48			scl, 2.543/2 str. rxn, C to M 1H2 d 2.547/2 SL		
48-83			cl, 2.544/2 slight rxn, fld 2.547/1 SL		
83-96			scl, 2.544/2 strong rxn, C1 d 2.547/1 SL		
96-106			C, 2.544/2, v. light rxn, C to M 1H2, 2.547/1 SL		
106-140			S: cl, 2.544/2, v. light rxn, C to M, 1H2 2.547/1 SL		
140-144			Scl, strong rxn, 2.544/3, rxn detrital con, C1 d 2.547/2 SL C2 d 2.544/1, C1 + 2 d 104R4/4		
144-167			compacted, ∇ washing sand, 104R4/2		
167-180			clay, 2.544/1, C1 + 2 d 2.544/3 very hard & dense		
180-182			coal, dry		

Caron 12

Obvious water at 144" in the south

Project: V0.37 AVT	Project Number: 362-15-11	Client: Breton
Boring #: SB-4	Boring Depth (ft): 11	Ground Elevation:
Start Date: 10/4/19	Completion Date: 10/4/19	

Depth (ft)	Elevation (ft)	Lithology	Material Description	Head-Space Soil Samples	PID (mu*)
0-7'			moist, silty, 10YR 3/1		
7-16"			moist, silty, 10YR 2/2		
16-21"			slightly moist, silty, 2.5Y 4/2		
24-28"			loam, silty, moist, fine sand 2.5Y 7/1, some 2.5Y 4/2		
48-46			loam - some silty, moisture w/ 5% c sand - bit from fluff 2.5Y 4/2, dry patch, fine 2.5Y 7/1, SLM, moist, slightly orange fluff		
8-12 - visible moisture			loam - some orange		
96-118			cl, silty, moist, some 10YR 7/1, SLM, some reddish soil, 2.5Y 4/2, moist		
119-140			cl, slightly orange, fine 2.5Y 7/1, SLM, reddish soil, moist, 2.5Y 4/2		
140-148			cl, reddish soil, moist, 2.5Y 4/2		
148-158			cl, reddish soil, 2.5Y 4/2, some 10YR 7/1, SLM		
158-189			SLM, reddish soil, some 10YR 7/1, SLM - visible cl 158" silty, some 10YR 7/1, SLM, some 10YR 4/4		
189-192			5% s, 10YR 4/4, 7.5YR 3/4, common		

moist & 2' in dig all soil colors moist