

Supporting information: List of samples for set 1 with corresponding IHSS identity and comments.

Sample set 1 ref #	International Humic Substance Society (IHSS) identity	Comments
S20	1R101F	SRFA (Suwannee River FA)
S24/S41	1R103H	Pony Lake FA (Antarctica)
S27	n/a	TWL Stream (Alaskan Tundra Stream)
S28	n/a	Eagle River FA (Rocky Mountains)
S29	n/a	Deer Creek FA (Rocky Mountains)
S30	n/a	Arctic Ocean FA (from Oligotuk point)
S31	n/a	Ogeechee River HA (Georgia)
S32	n/a	Ogeechee River FA (Georgia)
S33	n/a	Ohio River FA
S34	n/a	Missouri River FA
S35	n/a	Williams Lake FA (BC, Canada)
S36	n/a	Coal Creek FA (Colorado)
S37	n/a	F1 FA
S38	n/a	Penobscot River FA (Maine)
S39	n/a	Pacific Ocean FA
S40	n/a	Yukon River FA (Pilot, Alaska)
S42	n/a	EF5 River FA (Rocky Mountain Stream)