Turnout Gear PFAS Test Result

As we expected, Dr. Peaslee reported that the turnout gear samples were heavily fluorinated. In fact, the scale which they use to measure these chemicals is typically in parts-per-million(ppm), however, that measurement wasn't going to work right. In an email containing the results of the turnout gear test, Dr. Peaslee stated *"these fabrics are so heavily fluorinated, they are better measured in percent fluorine content...each of the pieces contained between ~1 and ~4% This would typically indicate a very heavy treatment in PFAS chemicals to impart water and flame resistance to the fabric."*

Sample	counts/uC	error	ppm F	Percent F
FF-LUA	**24682**	**2472**	**10555**	**1.62**
FF-MBTL	57530	5756	24603	3.77
FF-MTBL2	485	98	207	0.06
FF-RSC	20691	2073	8849	1.36
FF-T	**18212**	**1826**	**7789**	**1.19**

Dr. Peaslee provided further testing to rule out other fire resistant treatments and properties. Email excerpt here:

"We also looked at these fabrics yesterday with an X-ray Fluorescence unit, just to test for the presence of other flame retardants in the material, and we did not see any chlorinated nor *brominated compounds* nor *heavy metals, so it looks like the flame-resistant properties of these materials are being given by fluorinated compounds alone."*