

LIGO-T1300165-V5

# KNOWN SUSPECTS

**Sweat**

#1 Main: N, O (N2O5\*)  
#1 Trace: Na, Mg, Al, Si, S, Cl, K, Ca, Ti  
(N2O5, MgO, Al2O3, SiO2, SO3, K2O, CaO, TiO2\*)  
#2 Main: C, Fe, O (FeO, CO2\*)  
#2 Trace: Na, Al, Si, S, Cl, K, Ca, Ti, Mg  
(N2O5, Al2O3, SiO2, SO3, CaO, TiO2, NiO, MnO3\*)

#3 Main: N, O (N2O5\*)  
#3 Trace: Na, Si, S, Cl, K, Ca  
(N2O5, SiO2, SO3, K2O, CaO\*)

Main: C, O  
Trace: Si, S

\* Possible molecular structures

**Saliva**

#1 Main: C, O (CO2\*)  
#1 Trace: N, Na, Mg, P, S, Cl, K  
(N2O5, Na2O, MgO, P2O5, SO3, K2O\*)

#2 Main: Traces: N, Na, P, S, Cl, K, O  
(N2O5, Na2O, P2O5, SO3\*)  
-weight?

\* Possible molecular structures

**Human Sweat AND Saliva**

Main: O, Cl  
Trace: Na, Al, Si, S, K, Ca, Ti

#1 Main: O, Cl  
#1 Trace: N, Na, Mg, Al, Si, S, K, Ca, Ti  
#2 Main: O, Mg, Si  
#2 Trace: C

**Eyebrow Hair**

Main: C, O (CO2\*)  
Trace: Na, S, Cl, K (Na2O, SO3, K2O\*)

**Human Sweat AND Saliva**

Main: O, C, Ca

Main: N, O  
Trace: Na, Si, S, Cl, K, Ca, Ti

**Skin**

Main: C, O, N  
Trace: Si, S, Ca, Al, K, Na, Ti, Cl, Mg

Main: C, N, O  
Trace: S

\* Possible molecular structures

**Viton**

#1 Main: C, F, O (CO2\*)  
#1 Trace: Mg, Ca (MgO, CaO\*)

#2 Main: C, F, O (CO2\*)  
#2 Trace: Mg, Cl, Ca (MgO, Al2O3, CaO\*)

**Skin**

#1 Main: Cl, K, S  
Trace: Si, Na  
#2 Main: C, O  
Trace: Cl, Na, Si

#1 Main: O, N  
Trace: S, Cl, K, Na, Si, Ca  
#2 Main: N, O  
Trace: Cl, Ca, K, S, Na, Si

**Ameristat Bag (New)**

Main: C  
Trace: O

**Face Skin 1**

Main: C, O  
Trace: Na, S

Main: C, N, O  
Trace: Na, S

**Teflon**

Main: C, F

**Cotton glove liner**

#1 Main: C, O (CO2\*) Trace: Si, Mg, Ca (SiO2, MgO, CaO\*)  
#2 Main: C, O (CO2\*) Trace: Si (SiO2\*)  
\* Possible molecular structures

#1 Main: O, C (CO2\*)  
#2 Main: C, O (CO2\*) Trace: Si (SiO2\*)  
\* Possible molecular structures

**3 wash C3 bunnysuit**

#1 Main: C, O (CO2\*)  
#1 Trace: N, Na, Mg, Si, S, Cl, K, Ca  
(N2O5, Na2O, MgO, SiO2, SO3, K2O, CaO\*)  
#2 Main: C, O (CO2\*)  
#2 Trace: N, Na, Si, S, Cl, K  
(N2O5, Na2O, SiO2, SO3, K2O\*)

#1 Main: O, C (CO2\*)  
#1 Trace: Si, Mg (SiO2, MgO\*)

\* Possible molecular structures

**C3 Frock (Old)**

Main: C, O  
Trace: none

Main: O, Si  
Trace: Cl, F, Al, Ca, Zn, Ti, S, Mg

**Alpha 10 Wipe**

Main: C, O  
Trace: none

Main: C, O  
Trace: Ti

**C3 Frock (Old)**

Main: C, O  
Trace: Si

**Contec Wipe**

Main: C, O  
Trace: none

Main: C, O  
Trace: none

**HAM2 C3 Cover**

Main: C, O

**Berkshire Wipe**

Main: C, O  
Trace: Si, Ca, Mg, Cl

Main: C, O  
Trace: Ca, Cl, S, Mg, Na

**Jeans**

#1 Main: C, O (CO2\*)  
\* Possible molecular structures

#1 Main: C, O (CO2\*)

**Particle from Jeans**

#1 Main: Cl, Ca (CaO\*)  
#1 Trace: O  
\* Possible molecular structures

**Alpha 10 Wipe**

Main: C, O  
Trace: Co

Main: C, O  
Trace: S, Na, P

**Alpha 10 Wipe**

Main: C, O  
Trace: none

Main: C, O  
Trace: Ti

**Contec Wipe**

Main: C, O  
Trace: none

Main: C, O  
Trace: none

**Berkshire Wipe**

Main: C, O  
Trace: Si, Ca, Mg, Cl

Main: C, O  
Trace: Ca, Cl, S, Mg, Na

**Glove Print**

Main: Fe, C, C  
Trace: Ni, O, Mn, Cl

Main: Cl, S, Ca, Zn  
Trace: Si

**Glove Print**

Main: Fe, C, C  
Trace: Ni, O, Mn, Cl

Main: Cl, S, Ca, Zn  
Trace: Si

**Glove Piece**

Main: Cl, Zn  
Trace: S

Main: C, O  
Trace: Si

**Glove Piece**

Main: C, O  
Trace: Si

Main: C, O  
Trace: K, S, Cl, Si, Ca, Na

**LVEA Cleanroom curtain**

Main: C, O

**LVEA concrete floor dust**

Main: O, Si, Ca  
Trace: C, Na, Mg, Al, S, K, Fe

**Aluminum Foil (New)**

Main: Al  
Trace: O, C

Main: Al  
Trace: O, C

**Well Used Foil**

#1 Main: C, O (CO2\*)  
\* Possible molecular structures

#1 Main: Al, O (Al2O3\*)  
#1 Trace: C (CO2\*)

**Silver**

Main: Ag, C  
Trace: N/A

**Stainless**

Main: Fe, Cr, Ni, C  
Trace: Si, Mn

**Alum**

Main: Al  
Trace: C, O, Mg, Si

**Titanium**

Main: Ti, C, O  
Trace: Si

**Cut Section of Over-temp Bake Teflon Quadrapuss**

Main: O, S  
Trace: Cl, K, Na, Ca, Si, P, Al

Main: O, Si, C  
Trace: Fe, Al, Cu, Mg, Ca, K, Na, P

**Cut Section of Over-temp Bake Teflon Quadrapuss**

#1 Main: Ca, C  
Trace: O, Cl  
#2 Main: C, O  
Trace: Cu, Si

Main: C, O  
Trace: Cu, Cl, K, S

**Cleaned and Baked Teflon Quadrapuss**

Main: C, Cu  
Trace: O

Main: S, Cl, Cu  
Trace: Si, Ca

**Cleaned and Baked Teflon Quadrapuss**

Main: C, Sn  
Trace: Na, Al, Si, P, S, Cl, K, Ca

Main: C, O

**Cleaned and Baked Teflon Quadrapuss (3)**

Main: C  
Trace: O, S, Cl, Cu

PEOPLE

FIBERS

CABLES

METALS

**MORE TO FOLLOW**  
TO GET ADDED TO THE LIST  
CONTACT CALUM TORRIE,  
MARGOT PHELPS OR KATE GUSHWA