

Supplementary Information:

Spectroscopic investigation of substrates contaminated by Chemical Warfare Agents

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Supplementary Figures

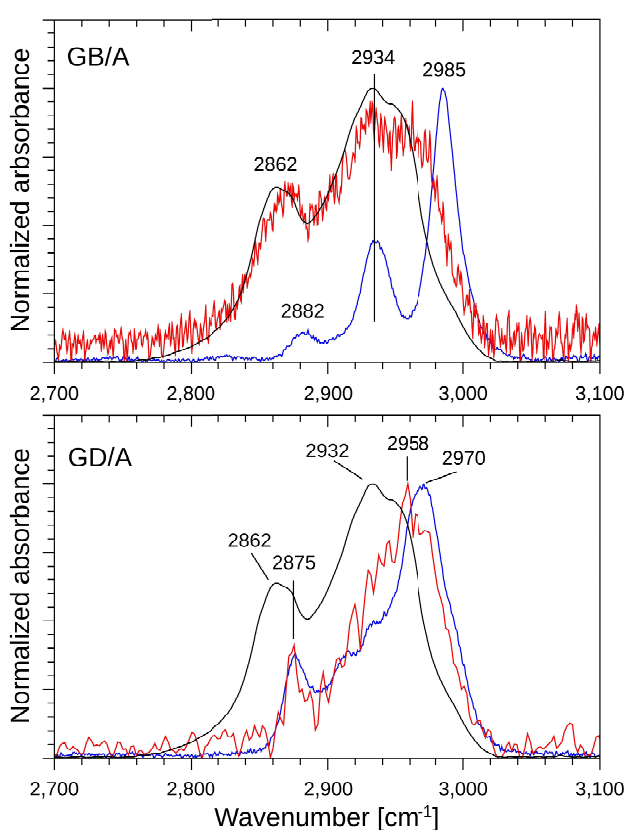


Figure S 1: Normalized ATR-FTIR spectra from the high frequency region. Black spectra corresponds to clean paint system A, blue spectra the neat agents and red spectra contaminated and ethanol rinsed paint system A, respectively.

Supplementary Table

Table S I: Measured peaks from neat sarin and soman, assignments from Refs.[30,35].

Sarin (GB)	Soman (GD)	Assignment
[cm ⁻¹]	[cm ⁻¹]	
721		
	749	$\nu(\text{P-C})$
777		
835	835	$\nu(\text{P-F})$
885	871	$\nu(\text{C-C-C})$
905	905	$\rho_{as}(\text{CH}_3\text{-P})$
922	916	$\rho_{as}(\text{CH}_3\text{-P})$
	998	$\delta_s(\text{C-C-C})$
1004	1012	$\nu_{as}(\text{C-O-P})$
	1077	
1106	1117	
1145		$\rho_{as}(\text{CH}_3\text{-C})$ i-Pr-P
1180		$\rho(\text{CH}_3\text{-C})$ i-Pr-P
1272	1279	$\nu_s(\text{P=O})$
1320	1320	$\delta_s(\text{CH}_3\text{-P})$
1363		$\delta(\text{CH})$
1379	1383	$\delta_s(\text{CH}_3\text{-C})$ i-Pr-P
1390	1399	$\delta_s(\text{CH}_3\text{-C})$ i-Pr-P
1419	1418	$\delta_{as}(\text{CH}_3\text{-P})$
1457	1464	$\delta_{as}(\text{CH}_3\text{-C})$ i-Pr-P
1470	1482	$\delta_{as}(\text{CH}_3\text{-C})$ i-Pr-P
1733	1762	$\nu(\text{C=O})$
2882	2875	$\nu(\text{CH})$
2934	2932	$\nu_s(\text{CH}_3)$
2985	2970	$\nu_{as}(\text{CH}_3)$