



Sitelab Corporation
 Visit: sitelabcorp.com
 USA: 978-363-2299



POLYCYCLIC AROMATIC HYDROCARBONS

Sitelab's CAL-060 product is used to detect "Target PAHs" with the UVF-3100 and "Heavy PAHs" with the TD-500D. This test matches well to U.S. EPA Method 8270 by GC/MS for the 16 to 18 compounds added together. The TD-500D is more sensitive to natural organics – and asphaltenes – it's more suitable for testing PAHs in asphalt, coal tars and sealcoats.

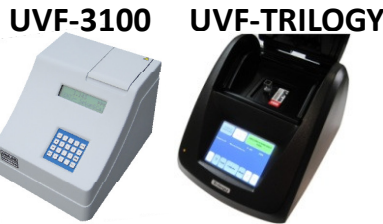


SOIL SAMPLE

TEST RESULTS

CONCENTRATIONS IN PPM

- Transformer, Utility Site
- Creosote, Wood Treatment Site
- Weathered Diesel, UST Site
- No. 6 Fuel Oil, Factory Site
- Air Force Base, Jet Fuel Site
- Organic Sediment, Bayou Site
- Humic Acid, Brown Coal Lignite



	254 LAMP	255 LED
PAH	PAH	PAH
Transformer, Utility Site	370	400
Creosote, Wood Treatment Site	40	40
Weathered Diesel, UST Site	28	32
No. 6 Fuel Oil, Factory Site	10	8
Air Force Base, Jet Fuel Site	0.7	1.0
Organic Sediment, Bayou Site	1.4	2.0
Humic Acid, Brown Coal Lignite	28	30

Low response to natural organics



	365 LED	365 LED
PAH	PAH	PAH
Transformer, Utility Site	595	500
Creosote, Wood Treatment Site	40	47
Weathered Diesel, UST Site	46	42
No. 6 Fuel Oil, Factory Site	16	12
Air Force Base, Jet Fuel Site	0	0
Organic Sediment, Bayou Site	14	10
Humic Acid, Brown Coal Lignite	130	100

High response to natural organics

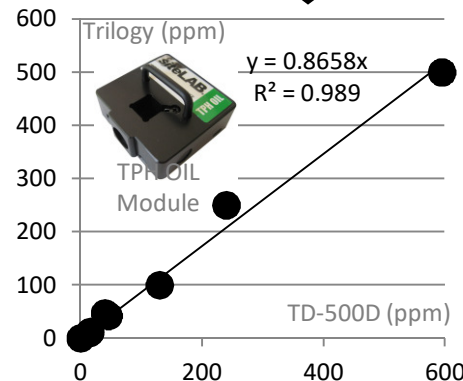
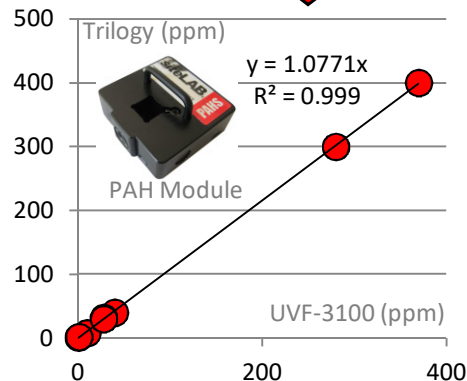
RESPONSE AT 100 PPM

Benzo[a]pyrene

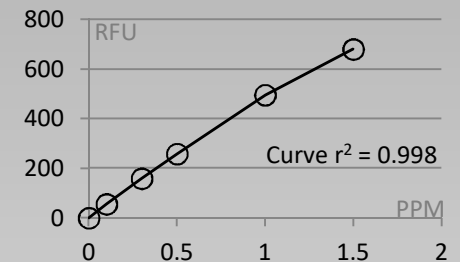
280	300
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GOOD CORRELATION

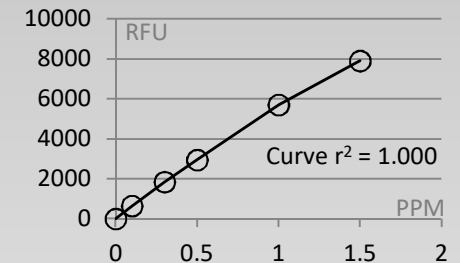
Results were similar for both tests performed. Trilogly's two Modules used for PAHs are fitted with similar optics used in the TD-500D and UVF-3100 analyzers.



UVF-3100 PAH Calibration



Trilogly 255 nm PAH Calibration



Trilogly 365 nm PAH Calibration

