



Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)

SOURCES OF EXPOSURE

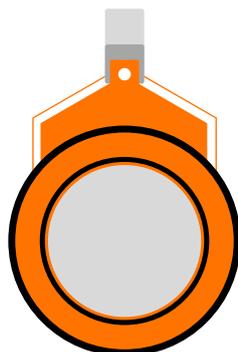
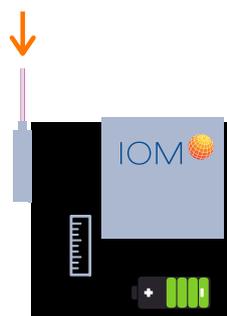
Exposure can occur in many industrial and service sectors including processing fluids such as crude oil and coal tar, in refinery, transportation and handling of fuels and oils including on the forecourt. Other sources include paints, thinners, lacquers, adhesives and inks

EXPOSURE ROUTES

Inhalation of fumes.
Skin contact with oil, grease, fuels.
Swallowing it due to poor hygiene practices

SAMPLING

Active sampling using charcoal type tubes at 0.1 L/min following MDHS 96 or using passive samplers following MDHS 88



ANALYSIS

Using GC-FID

REPORTING LIMIT

0.2 ug for benzene
0.1 ug for toluene
0.1 ug for ethylbenzene and
0.4 ug for xylene

EXPOSURE LIMITS (EH40)

8 hour TWA
3.25 mg/m³ for benzene
191 mg/m³ for toluene
441 mg/m³ for ethylbenzene and
220 mg/m³ for xylene (all or mixed isomers)

PRICES PER RECEIVED BATCH

£38 per sample (minimum charge £60).

Supply of passive badge 3M 3500 is £15 each
Prices based on standard ten working day turn around.

Prices do not include VAT.

SAMPLE SUBMISSION

IOM Consulting Ltd
Research Avenue North
Riccarton
Edinburgh
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