

RISK CONTROL

Reduce Risk. Prevent Loss. Save Lives.



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IH Laboratory

COMPREHENSIVE ANALYTICAL SERVICE

Unknown contaminants can be identified through the Travelers Comprehensive Analytical Service.

Organic Vapors

Many times, it is not possible for a person taking a sample to be aware of all of the compounds present in the sampling environment. The Travelers Comprehensive Analytical Service can identify the presence of unknown contaminants in addition to those that you have requested. This service provides you with as clear a picture of the exposure situation as possible AND IT'S FREE!

This service applies to all samples collected on activated charcoal tubes and passive organic vapor monitors that are desorbed with carbon disulfide, analyzed by GC/FID (see Compatibility Code "GC1" in the Travelers Air Sampling Guidelines) and do not contain a petroleum distillate profile. The samples are analyzed using Gas Chromatographic conditions designed to detect a wide variety of the most commonly encountered organic solvents.

When compounds other than those being requested for quantification are detected, they are automatically identified at no extra charge to the customer. The triggering value for the identification is defined as any compound whose response is at least five times that of a limit of quantification standard for toluene, which is approximately 135 micrograms of toluene on a large charcoal tube and approximately 45 micrograms of toluene on an OVM or small charcoal tube.

Note:

- Due to its toxicity, the triggering level for benzene is reduced to approximately one-fifth of the levels mentioned above.

- Due to the variability of the instrument response from compound to compound, the actual triggering concentration for individual compounds varies.
- Due to the volatility of organic compounds, quantification can only be performed if the customer responds within 48 hours.
- It is not always possible to identify all compounds found on all samples. The identification of some organic compounds may not be possible due to the unavailability of a standard.
- Reports that do not indicate the presence of additional organic compounds should not be interpreted to mean that any particular compound was not present in the environment or that the environment is a safe place to work.

Metals

This service applies to all air samples collected on filter media provided by the Travelers Industrial Hygiene Laboratory and analyzed by Inductively Coupled Plasma Emission Spectroscopy. Comprehensive Analytical Service will detect the presence of the following metals:

Aluminum, Antimony, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Molybdenum, Nickel, Silver, Tin, Vanadium and Zinc.

If any of these metals are detected at or above the triggering level, then the presence is automatically reported to the customer at no extra charge. The triggering level is set at three times the limit of quantification for each metal.

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Note:

Reports that do not indicate the presence of additional metals should not be interpreted to mean that any particular metal was not present in the environment or that the environment is a safe place to work.

Communication of Results

The customer will be informed that extra compounds (or metals) were detected and asked if quantitation is desired. If quantification is desired, the samples will be resubmitted and charged as a new sample submission. If quantitation is not desired, the presence and identity of the extra compounds will be noted on the analytical report (at no extra charge) unless otherwise requested by the customer.



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