

# Enthalpy Analytical Inc. Services

Chemical Measurement Division

Small project? Please call for a quotation.  
Ask About Discounts For Large Projects

Method	Parameter
<b>Onsite Test Methods</b>	
EPA Methods 15 or 16	Sulfur emissions by GC (refineries or pulp and paper)
EPA Method 18	VOC by GC - (extractive or onsite Tedlar® bags)
<a href="#">EPA Methods 318, 320 and 321</a>	Direct Interface FTIR
HPLC Analysis	EPA M26/26A, CTM-027
EPA M26/26A, CTM-027	HCl, NH4 by HPLC
<b>EPA Test Methods</b>	
EPA Method 5	Particulate matter - (filter + rinse)
EPA Method 5	Filter tare
EPA Method 6	Sulfur dioxide (SO2)
EPA Method 8	Sulfuric acid mist (H2SO4), sulfur trioxide (SO3)
EPA Method 13B-type	Total fluoride by ISE, without distillation
EPA Method 14A-type	Total fluoride by ISE, without distillation
EPA Method 15-type	Hydrogen sulfide, carbonyl sulfide, carbon disulfide
EPA Method 16-type	Hydrogen sulfide, methyl mercaptan, dimethyl sulfide, dimethyl disulfide
EPA Method 17	In-stack particulate matter (filter + rinse)
EPA Method 18	VOC by GC - (Tedlar® bags, condensates, tubes)
EPA Method 18	Methane and ethane - (Tedlar® bags)
EPA Method 18-type	Total hydrocarbons
EPA Method 18-type	Total hydrocarbons less methane and ethane
EPA Method 18-type	C1 - C6 - (hydrocarbons)
EPA Method 24	Surface coatings (total volatiles, % H2O, % solids & density)
<a href="#">EPA Method 25D</a>	VOC of waste samples
EPA Method 26/26A	Hydrogen halides & halogens (HCl, HF, HBr, Cl2, Br2)
EPA Method 26-type	Anion scan (F, Cl, NO2, NO3, Br, PO4, SO4)
EPA Method 26-type	Anions
EPA Method 106	Vinyl chloride
EPA Method 201	PM10
EPA Method 201A	PM10 (filter & 2 rinses)
EPA Method 202	Condensable particulate matter
EPA Method 202	Correction analysis SO4, NH4, NO4, Cl, F
EPA Method 204F	VOC's in liquid input stream (distillation)
EPA Method 305	Potential VOC in waste
EPA Method 308	Methanol
EPA Method 316	Formaldehyde
EPA Method 323	Formaldehyde



Method	Parameter
<b>Other Test Methods (OTM)</b>	
OTM-11	Presurvey for corn wet milling facilities
OTM-27	PM <sub>10</sub> and PM <sub>2.5</sub>
OTM-28	Dry impinger method for condensable particulate matter
<b>Conditional Test Methods (CTM)</b>	
CTM-008	Acrylonitrile
CTM-027	Ammonia
CTM-027-type	Cation Scan (Li, Na, NH <sub>4</sub> , K, Mg, Ca)
CTM-027-type	Cations
CTM-031	Screening for MDI
CTM-032	Phenol & cresols
CTM-032	Phenol & cresols, filter by GC/MS
CTM-033	Hydrogen cyanide, electrochemical detector
CTM-036	Isocyanates: 2,4-TDI, 2,6-TDI, 4,4-MDI
<b>ASTM Methods</b>	
ASTM D1946-90	Fixed gases (H <sub>2</sub> , CO, O <sub>2</sub> , N <sub>2</sub> , CH <sub>4</sub> , CO <sub>2</sub> )
ASTM D1946-90	Fixed gases (one compound)
ASTM D6348-03	Gaseous compounds by FTIR
<b>NCASI Methods</b>	
NCASI Method 94.02	Methanol, acetone, acetaldehyde, methyl ethyl ketone
NCASI Method 94.03	Methanol
NCASI Method 98.01	Chilled impinger method
NCASI Method 99.02	Wood Products HAPs
NCASI Method 99.02	Polar Organics (condensate)
NCASI Method 99.02	Formaldehyde (condensate)
NCASI Method 99.02	Polar Organics (canister)
NCASI Method 99.02	Terpenes (canister)
NCASI Method ISS/FP-A105.01	Aldehydes
NCASI Method ISS/FP-A105.01	Methanol and phenol
<b>NIOSH, State and Specialized Test Methods</b>	
NIOSH Method 7903	Inorganic acids
NIOSH Method 7904	Cyanide
BTU	C1-C6, fixed gases, & processing
CARB Method 430	Aldehydes & ketones
NJATM 1	Filterable particulate (includes Teflon® Baggie)
FTIR	Evaluation of material off-gassing during curing

Method	Parameter
<b>SW-846 Methods</b>	
SW-846 Method 0010/8270C	Semivolatile organics (call for M8270 list)
SW-846 Method 8270	Semivolatile organics, plus semivolatile
SW-846 Method 0011	Formaldehyde
SW-846 Method 0011	Formaldehyde/acetaldehyde
SW-846 Method 0011	Scan of 15 aldehyde/ketones (call for list)
SW-846 Method 8315A	Carbonyl compounds by HPLC
<b>Toxic Organics Methods (TO)</b>	
TO-5	Aldehydes & ketones
TO-6	Phosgene
TO-8	Phenol and cresols
TO-11	Formaldehyde
TO-13	PAHs
TO-13A	PAHs
TO-15	VOCs (Call for our standard target list)
TO-15 + Top 10 TICs	TO-15 list plus compound identification
TO-15-type	Compound identification (Top 10 TICs)
<b>Unusual Test Methods</b>	
EPA Proposed Method 207	Isocyanates: 2,4-TDI, 2,6-TDI, 4,4-MDI
EPA Method 311	HAPs in paints & coatings
EPA Method 315	MeCl <sub>2</sub> extractable organic matter
EPA Method 315	PM & MCEM from aluminum production facilities
ASTM D1979-97	Formaldehyde
ASTM D3792-79	Percent water - (Karl Fischer titration)
ASTM D6735-01	HCl & HF / chlorides & fluorides
NCASI Method RSC-02.01	Reduced sulfur compounds by direct injection GC/FPD
Perfluorocarbons (PFCs) by LC/MS/MS	Perfluorooctanoic acid (PFOA) & other perfluorocarbons in biological or environmental samples

Item	Description
<b>Media, Canisters, Sample Reagent and Equipment</b>	
Tube - Washed silica gel Tube (7mm x 110mm)	Tubes
Tube - Anasorb 747 (10 mm x 110mm) 2-stage 800mg/200mg	Tubes
Tube - Charcoal (10 mm x 110mm) 2-stage 800mg/200mg	Tubes
Tube - Silica gel (10 mm x 110mm) 2-stage 1040/260mg	Tubes
Tube - XAD-2 (8mm x 110mm) 2-stage 400/200mg	Tubes
Tube - XAD-4 (7mm x 70mm) 2-stage 80/40mg	Tubes
Tube - XAD-7 (6mm x 70mm) 2-stage 80/40mg	Tubes
SUMMA tank rental	1.4L & 6L tanks
Flow controller	Standard orifice w/o gauge
Flow controller w/gauge	Standard orifice w/gauge (flare setup)
Canister sampler	Ambient air controller with gauge
Fuel gas bombs	Rental
Tedlar® bags 10 liters	Bags
EPA Method 18 - sampling system rental	Rental
DNPH reagent	2,4-Dinitrophenylhydrazine
EPA Proposed Method 207 reagent	1-(2-pyridyl)piperazine/toluene
CTM-031 & -036 rinse	Acetonitrile/DMSO
CTM-031 & -036 filters	1,2PP treated filters
CTM-033 reagent	Pb acetate or NaOH (Includes blank check by ISE)
NCASI Method ISS/FP-A105.01 reagent	o-benzylhydroxylamine (BHA)
SW-846 Method 0010	XAD-2 (Client provides glass trap)
TO-13A	PUF media preparation (Client provides sleeve)

### Turnaround Schedule

Standard turnaround time (TAT) 10 business days	Standard rate for most methods, exceptions: 15 days for Methods 25D & 305
Turnaround time (TAT) - 5 business days	1.75 X multiplier - usually available, exceptions for certain methods
Turnaround time (TAT) - 2 business days	2 X (call for availability), exceptions for certain methods
Turnaround time (TAT) - 1 business days	3 X (call for availability), exceptions for certain methods
Weekend analysis (including spiked bag analysis)	Call for delivery instructions

### Order Minimums and Shipping Information

(3 sample or \$300/analytical method minimum applies to most projects)  
 Shipping is additional on all spike, reagent and equipment rental requests. Dangerous goods shipping charges may apply.  
 Enthalpy is pleased to ship using customer Federal Express accounts. This avoids the 15% surcharge applied to all shipments on Enthalpy's account.  
 Saturday delivery - Call for instructions.

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