



Travelers Industrial Hygiene Laboratory

AIR SAMPLING GUIDELINES EFFECTIVE 5.1.24

REDUCE RISK | PREVENT LOSS | SAVE LIVES

Travelers Laboratory

Developing an ongoing strategy for assessing workplace exposures, determining appropriate personal protective equipment, and developing and validating appropriate controls can be an intimidating process. In an effort to simplify this process, the Travelers Lab has developed a variety of products and services to help make your exposure assessment projects as simple as possible.

For example, many clients have limited or no access to air sampling equipment. This can have a negative impact on their ability to evaluate employee workplace exposures. In addition, resources needed for purchasing, repairing, maintaining, and calibrating this equipment can be significant. Travelers PUMP LOAN program can help.

Travelers Pump Loan program provides air sampling pumps along with all the necessary accessories like chargers, a calibrator, connecting tubing, cyclones and tube holders – essentially everything you need for collecting valid samples – and it's free of charge for 10 days, as long as the samples that are collected are returned to Travelers for analysis. Equipment shipping is charged at prevailing rates.

We also provide an IH Helpline: 800.842.0355 (7:00 am to 4:00 pm Eastern Time). When you contact the Travelers Lab, you will be working with people specializing in the field of IH sampling and analysis, experienced in proper sampling parameters, the review of analytical results, and the use of IH media and equipment.

Primary Laboratory Contacts:

Marcel Baril <u>mbaril@travelers.com</u> 860.687.7410	Assistant Vice President, Analytical Laboratory
Jennifer Fries <u>jfries@travelers.com</u> 860.687.7434	IH Laboratory Director, Quality Assurance
Christine Lopol <u>clopol@travelers.com</u> 860.687.7447	IH Laboratory Director, Production
Shari Wood <u>swood2@travelers.com</u> 860.687.7416	Senior Operations Manager

Ship all submissions to:

TRAVELERS RISK CONTROL LABORATORY 99 LAMBERTON RD. WINDSOR, CT 06095-2127 Attention: Sample Submission

For more information, please call 800.842.0355 or visit travelerslab.com.

Travelers Laboratory Advantages

A number of valuable advantages are automatically *available* to you when you choose the Travelers Lab for your analytical needs.

Sampling Media

In most cases, media is provided at no extra charge (with the exception of passive badges and disposable respirable samplers).

Media shipment to our customers is provided free, except for overnight delivery. Media requiring cold shipment can not be delivered over a weekend. *To order media or equipment:*

• Call the IH Helpline: 800.842.0355 (option 1): (Monday - Friday, 7:00 a.m. to 4:00 p.m. Eastern Time)

OR

Visit <u>travelerslab.com</u> and click on the link "Industrial hygiene supply order form"

Comprehensive Analytical Scan (CAS) Service

Our CAS service may identify the presence of unexpected volatile organic hydrocarbons or metals present in your sampling environment *in addition* to those that you have requested – <u>and what's better? IT'S FREE</u>! This unique and valuable service provides you with as clear a picture of the exposure situation as possible.

Single Submission Discounts

A discount of 10% off the analytical fee is automatically applied when 15 or more samples are submitted at the same time for the same analyte(s) on the same type of media. (Analytes requested must be identical on all 15 samples.)

Rush Sample Analysis

Rush sample analysis is available for most analytes for an additional charge. The Lab must be contacted prior to submitting samples for rush analyses. See the "Policies" section for more information.

IH Training and Education

Our seminars and webinars include topics such as air sampling, exposure evaluation and noise measurement. Please visit <u>travelerslab.com</u> for more information about the current class schedule or call 800.842.0355.

For more information, please call 800.842.0355 or visit travelerslab.com.

Travelers Laboratory Data Sheet Instructions

Samples must be accompanied by completed data sheets. Electronic forms are available on travelerslab.com (or by following this link <u>Electronic Data Sheet</u>) and paper forms are included with every media shipment and contain instructions for completion. The instructions below are for the electronic data sheet.

- SEND REPORT TO: Complete the top left section with your name, company name, address, phone number and email address
- SEND INVOICE TO: Fully complete if the invoice should be directed to someone other than yourself.
- **Survey Date:** Fill in the date that the samples on the page were collected. This date is critical for samples that must be analyzed within a specific time period (i.e. hexavalent chromium).
- Location Sampled: Fill in the location where the samples were collected.
- Shift Duration: Fill in the length of the shift in hours.
- Sample/Filter #: Identify each sample with a unique identifier. If you have obtained sampling media from Travelers, the Lab recommends that you use the identifiers that have been pre-assigned to the media.
 - ✓ Filters Each filter is pre-labeled with a unique identifier.
 - ✓ Passive badges Each are labeled by the manufacturer with a unique identifier.
 - ✓ Other media (sorbent tubes, vials, wipes, bulks, etc.) must be labeled with a unique identifier that is assigned by you. The identifier cannot be more that 12 characters in length.
- Sample Description: Enter a brief description to identify where the sample was collected. For example, a person's name can be
 used, an employee ID number, a description of the operation or a combination. For example: J. Smith Welder or A. Jones Mixer.
 (PLEASE PRINT 25 CHARACTERS MAX)
- Job Task: Select the most appropriate Job Task from the drop-down list. Leave blank if an appropriate task is not on the list.
- Media: Select the type of media that was used to collect the sample, such as PVC Filter pre-weighed, 226–01 Charcoal Tube or Assay 566 OVM. Media numbers are listed in the Travelers Air Sampling Guidelines and are provided on the shipping manifest.
- Sampling Time: Enter the time that the sampling was Started and Stopped using military format (24-hour clock). For example: 8:25 am should be entered as 08:25 and 4:35 pm should be entered as 16:35. The form will calculate the Total Minutes Sampled for you.
- Flow Rates (LPM): Enter the Pre sampling flow rate as determined from the calibrator measured before collecting the sample and the Post sampling flow rate from the calibrator measured after collecting the sample in liters per minute (LPM). The sheet will automatically calculate the Average Flow Rate and the Sample Volume Liters (if the Sampling Time has been entered). Pre and Post sampling flow rates that do not agree within 5% will be flagged.
- Analytes Requested: Enter the specific contaminant(s) that are to be analyzed by the laboratory for each sample. Refer to Travelers Air Sampling Guidelines for analyte names and compatibility.

For Hexavalent Chromium samples – include the type of operation that was sampled (Painting, Welding, Plating, etc.). The OSHA method requires specific processing procedures and timeframes depending on the operation being sampled.

- Submitted by: Print your name
- Date: Enter the date the samples are being shipped to the laboratory
- **Special Instructions:** Add any special instructions (if needed). Potential interferences and other chemicals present in the sampling environment should be noted in this area.

Travelers Laboratory

Blank Samples

Most analytical methods and good industrial hygiene practices recommend that a minimum of one field blank or 10% of the total number of samples, whichever is greater, be submitted for each matrix sampled. The blank serves to indicate handling contamination, moisture retention, or matrix interferences that can affect the validity of the results.

Blank samples should be treated in the same manner as the samples, except that no air is drawn through the blank. For adsorbent tubes, the ends should be cracked off and the tubes immediately capped. Filter blanks need not be "opened to the environment," but should accompany the samples during shipping and handling. Filter blanks should be from the same lot as the sample filter.

Wipe Sampling Procedure (Metals, Metal Salts and Hexavalent Chromium)

NOTE: Wipe, swipe and smear are synonyms describing a technique for assessing surface contamination.

Each wipe sampling kit includes: a plastic petri dish containing an appropriate filter, often times moistened with distilled deionized water, and a pair of disposable gloves. Typical filter types include a moistened Whatman 540 filter for metal wipe sampling and a "dry" PVC filter for hexavalent chromium wipe sampling. Contact the lab for filter preferences for other types of wipe sampling.

Depending on the purpose of the sample, it may be useful to determine the surface loading of the analyte(s) which can be expressed in micrograms of analyte per area. For these samples, it would be necessary to record the total surface area that has been wiped. For example if you wiped a 10 X 10 centimeter square, the total surface area wiped would be 100 cm². Recording the area wiped would **not** be necessary for samples taken to simply show the presence or absence of the contaminant.

To protect yourself and to prevent cross contamination of samples, wear a new clean pair of disposable gloves when collecting each wipe sample. Carefully remove the filter from a petri dish. Using firm pressure, start at the outside edge and progress toward the center of the area being sampled, wiping concentric squares of decreasing size until the entire area has been wiped. Fold the filter in half with the contaminated side inward and repeat this process one or two times. Fold the wipe sample one final time, place it back into the original petri dish, label the petri dish with a unique sample identification and tightly re-seal the petri dish.

Bulk Sample Submissions

Bulk solid sample submissions for silica (quartz, cristobalite, and/or tridymite) or asbestos analysis should be approximately 1 tablespoon of loose sample or a 5 cm square solid piece. The sample should be homogeneous (uniform in color and texture) and collected in an unbreakable container. While collecting the sample, wear appropriate personal protection equipment and avoid creating dust. The material can be sprayed with a light mist of water to prevent dust or fiber release during sampling.

Label the container with a unique sample ID and double-bag it in a zip-top style bag. The bulk solid sample may be sent by regular shipping methods to the laboratory along with our sample Data Sheet. To prevent contamination of personal samples, bulk samples should be kept separate from personal samples when transporting and packaged in separate containers when shipping.

For more information, please call 800.842.0355 or visit travelerslab.com.

Travelers Laboratory Policies

Minimum Fee:

Minimum charge per submission is \$100.

Laboratory Turnaround:

Normal laboratory turnaround time for routine analyses is five (5) working days. Rush analysis is available for most analytes for an extra charge as follows:

RUSH three-day turnaround for a 50% surcharge RUSH two-day turnaround for a 100% surcharge RUSH 24-hour turnaround for a 200% surcharge (not available for some analyses)

Note: <u>All</u> rush sample analyses <u>must</u> be approved by the laboratory <u>prior</u> to sample submission.

Sampling Media:

Media not returned to the Travelers Lab for analysis will be billed. <u>Passive media and DRS samplers</u> will be billed when shipped and cannot be returned or refunded.

Blanks:

Blanks will be charged at the same rate as samples. Blanks for GC/MS scans are charged at \$50 each. Overloaded samples that are prepared for analysis will be charged at normal analysis rates. This includes samples that cannot be analyzed due to the overloading (e.g., samples for fiber count – PCM).

Wipe or Bulk Samples:

Analysis of wipe or bulk samples requires significant preparation time. An additional charge of \$25 per sample will be charged for wipe or bulk samples. Bulk samples may be returned to the submitter for disposal.

Shipping:

Media shipment is provided free except for overnight delivery. Media requiring cold shipment cannot be delivered over a weekend (if a cooler is required a shipping charge applies).

Equipment shipping is charged at prevailing rates. An additional \$100 expedition fee is charged for equipment requests that are needed within four working days.

Loaned equipment should be returned to the Travelers Lab <u>within 10 working days of receipt</u>, unless other arrangements have been made. A rental fee may be incurred if samples are not submitted.

Sample Retention:

All samples not consumed during the analysis will be discarded unless otherwise requested by the customer.

Analytical Data:

Analytical data will be retained for 10 years.

Terms and conditions: The services offered herein are subject to the Terms and Conditions, which are included in this document. Acceptance of the services offered herein shall constitute acceptance of said Terms and Conditions.

To Order Media or Equipment: Call 800.842.0355 (Monday –Friday, 7:00 a.m. to 4:00 p.m. Eastern Time) OR Visit <u>travelerslab.com</u> and click on the link "Industrial hygiene supply order form"

> Return equipment and ship samples to: TRAVELERS RISK CONTROL LABORATORY 99 LAMBERTON RD. WINDSOR, CT 06095-2127

Travelers Laboratory

Scans

Check the Air Sampling Guide for sampling information for the following scans:

Acid Scan, Inorganic:

\$17	5.	00
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Hydrobromic acid Hydrochloric acid Sulfuric acid

Metal Scan, 20 Elements: \$200.00

Aluminum	Cobalt	Nickel
Antimony	Copper	Selenium
Barium	Iron	Silver
Beryllium	Lead	Tin
Cadmium	Magnesium	Vanadium
Calcium	Manganese	Zinc
Chromium	Molybdenum	

Nitric acid

Phosphoric acid

Metal Scan, Welding: \$160.00

Metal Scan, Solder:

\$110.00

Antimony

Beryllium

Cadmium

φ±00.00		
Aluminum	Cobalt	Molybdenum
Antimony	Copper	Nickel
Beryllium	Iron oxide	Vanadium pentoxide
Cadmium	Lead	Zinc oxide
Chromium	Manganese	

Copper

Lead

Silver

Tin

Zinc oxide

Aldehyde Scan:

Crotonaldehyde
Formaldehyde
Glutaraldehyde

lsocyanate Scan: \$220.00

Hexamethylene diisocyanate (HDI) Isophorone diisocyanate (IPDI) Methylene bisphenyl diisocyanate (MDI) Toluene-2,4-diisocyanate (2,4-TDI) Toluene-2,6-diisocyanate (2,6-TDI)

Polynuclear Aromatic Hydrocarbons Scan: (NIOSH 5560, 16 compounds) \$305.00

Acenaphthene Acenaphthylene Anthracene Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Benzo[g,h,i]perylene Benzo[k]fluoranthene

Chrysene Dibenzo[a,h]anthracene Fluoranthene Fluorene Indeno[1,2,3-cd]pyrene Naphthalene Phenanthrene Pyrene

Volatile Organics by GC/MS: \$200.00

The samples are desorbed with carbon disulfide and analyzed by Gas Chromatography Mass Spectrometry (GC/MS). The spectra of the ten largest peaks that are observed are compared to both internal and NIST spectral libraries. If both a spectra and retention time match is made the actual identity of the compound is reported otherwise the class (e.g. aliphatic, aromatic) of the compound is reported.

The peak with the largest response is quantified against the response of toluene and the air concentration reported to one significant figure.

This should be considered a semi-quantitative analysis since the instrument response and desorption efficiency can vary from compound to compound. Although GC/MS can identify many common organic solvents, the identification of all organic components in a sample cannot be assured by a single analytical technique.

Total Hydrocarbons, as n-Hexane (or Toluene) by GC/FID: \$70.00

The samples are desorbed and then analyzed by Gas Chromatography Flame Ionization (GC/FID). All chromatographed peaks are summed and quantified against the response of either hexane or toluene.

This should be considered a semi-quantitative analysis since the instrument response and desorption efficiency can vary from compound to compound.

TRAVELERS J			INDU	STRIALI	HYGIENEL	ABORATO	DRY IH Helpline:	800-842-035
Analyte	Price [1]	Compat Code [2]	Media [3]	TWA Flow Rate (LPM)	STEL Flow Rate or OK for Passive	Air Volume or Sampling Time for Passive [4]	Special Instructions/Interferences [5]	Reference Method [6]
Acetaldehyde	\$100.00	LC-ALD1	Sorbent Tubes: SKC 226-119 Coated silica gel tube followed by SKC 226- 09 Charcoal tube	0.05 / 0.5	0.5	1/25	Keep media frozen before and after sampling. Ship samples cold overnight to the Lab. Sample by placing 2 tubes in holders connected together. The charcoal tube (closest to the pump) is disposed.	TIC-LC-01: Modified EPA IP- 6A/NIOSH 2018
		DNPH1	Passive Sampler: Assay 571 Aldehyde Monitor		Yes	15-600 mins	Avoid temperatures exceeding 90°F. During the summer months ship samples overnight to the lab. Call for info regarding sampling other aldehydes.	
CAS RN: 75-07-0							Other aldehydes, ketones and ozone react with and consume the DNPH. Ozone can degrade the aldehyde-DNPH derivative.	
Acetic Acid	\$70.00	ICOA	Sorbent Tubes: ORBO 53 Specially cleaned silica gel tube	0.05/0.2	0.2	12/24	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-IC-02: Modified NIOSH 2011
CAS RN: 64-19-7							Acetate salts will interfere. Use a PTFE prefilter if acetate salts are present.	
Acetoin	\$110.00	GC 8	Sorbent Tubes: SKC 226-183 Silica gel tubes – set of two separate tubes in series	0.05/0.2		3/9	Protect samples from light during and after sampling (wrap the tubes in aluminum foil). Sample by placing 2 tubes in holders connected together. After sampling: separate, cap and label tubes FRONT and BACK (closest to the pump).	TIC-GC-84: Modified OSHA 1012
CAS RN: 513-86-0							No interferences reported.	
Acetone	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2	0.2	1/6	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1300
		GC-U	Passive Sampler: Assay 566 OVM		Yes	15-240 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 67-64-1							No interferences reported.	
Acetonitrile	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		8/25	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1606
		GC-U	Passive Sampler: Assay 566 OVM		No	60-420 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 75-05-8							No interferences reported.	
Acetophenone	\$55.00	NONE	Sorbent Tubes: SKC 226-35 Tenax tube	0.05/0.1		3/12	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-43: Modified OSHA PV2003
CAS RN: 98-86-2							No interferences reported.	
Acid Scan, Inorganic	\$175.00	IC 1	Sorbent Tubes: ORBO 53 Specially cleaned silica gel tube	0.02/0.2	0.5	30/96	Routine shipping.	TIC-IC-01: Modified OSHA IE 165SG/ID-
							Analysis includes hydrobromic, hydrochloric, nitric, phosphoric and sulfuric acids. Other bromide, chloride, nitrate, phosphate, and sulfate compounds may interfere.	174SG
CAS RN: varies Acrylamide	\$90.00	NONE	Filter & Tube: SKC 226-57 XAD-7 OVS	0.5/1		140/480	Refrigerate samples after collection and ship cold overnight to the Lab. The sampler contains a filter and sorbent material in a single tube.	TIC-LC-05: Modified OSHA PV2004
CAS RN: 79-06-1							No interferences reported.	
for analysis of additional analytes Organic Solvents \$35.00 Isocyanates \$60.00 Particulate, quartz and cristobalit is an additional \$40 per sample. [2] COMPATIBILITY CODES: Comp NONE indicates that the analyte r	are discounted as Acids/Anior Aldehydes e on the same air s ounds with the sa nust be sampled a	follows: s \$44.00 \$60.00 cample is \$120 me "Compat. alone.	more than one analyte on certain sampling mer Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove inte Code" may be collected together. /air volumes, or sampling times for EACH comp	rferences		Assay 581/58 Disposable resp [4] VOLUME/TIM NA = not applic [5] HANDLING: M temperatures v	 RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the 4/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. pirable samplers (DRS) are \$17.00 each. Be: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive satable. lost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, becar ary – Travelers IH Lab recommends shipping samples cold overnight to the Lab. METHOD: Analytical methods are based on the listed references, but may be modified at the discretice 	mpling. use shipping

TRAVELERSJ			INDU			LABORATO	IH Helpline:	800-842-035
Analyte	Price [1]	Compat Code [2]	Media [3]	TWA Flow Rate (LPM)	STEL Flow Rate or OK for Passive	Air Volume or Sampling Time for Passive [4]	Special Instructions/Interferences [5]	Reference Method [6]
Acrylic acid	\$110.00	NONE	Sorbent Tubes: Tandem 226-30-08 Anasorb 708 tubes - 2 tubes in series	0.04/0.1		4/24	Sample by placing 2 tubes in holders connected together. The tube closest to the pump is the BACK. After sampling: separate, cap and label tubes FRONT and BACK. Refrigerate samples after collection and ship cold overnight to the Lab.	TIC-LC-04: Modified OSHA PV2005
CAS RN: 79-10-7							No interferences reported.	
Acrylonitrile	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2	0.2	6/20	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1604
		GC-U	Passive Sampler: Assay 566 OVM		No	120-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 107-13-1							No interferences reported.	
Aldehyde Scan	\$255.00	LC-ALD1	Sorbent Tubes: SKC 226-119 Coated silica gel tube followed by SKC 226- 09 Charcoal tube	0.05		12/15	Keep media frozen before and after sampling. Ship samples cold overnight to the Lab. See specific aldehyde for CAS #s and instructions. Includes acetaldehyde, benzaldehyde, butyraldehyde, crotonaldehyde, formaldehyde and glutaraldehyde.	TIC-LC-01: Modified EPA IP 6A/NIOSH 2016/NIOSH
		DNPH1	Passive Sampler: Assay 571 Aldehyde Monitor		No	15-600 mins	Avoid temperatures exceeding 90°F. During the summer months ship samples overnight to the lab. Call for info regarding sampling other aldehydes.	2018/NIOSH 2532
CAS RN: varies							Other aldehydes, ketones and ozone react with and consume the DNPH. Ozone can degrade the aldehyde–DNPH derivative.	
Allyl alcohol	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		10/20	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSF 1402
		GC-U	Passive Sampler: Assay 566 OVM		No	480-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 107-18-6							No interferences reported.	
Allyl chloride	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.05/1	1	90/100	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1000
		GC-U	Passive Sampler: Assay 566 OVM		No	120-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab. Use Assay 525 TraceAir II OVM for STEL sampling.	
CAS RN: 107-05-1							No interferences reported.	
Aluminum	\$36.00	ICP 001	Filter: MCE Filter (37 mm)	1/3		120/960	Routine shipping. If total particulate is also desired, sample using a Preweighed PVC filter. Respirable samples may be collected at a 2.0 LPM flow rate on a preweighed Disposable Respirable Sampler (DRS) – see Particulate, Respirable instructions.	TIC-ICP-01: Modified OSHA 125G/NIOSH 7300
CAS RN: 7429-90-5							No interferences reported.	
Aluminum, Water Soluble	\$36.00	ICP H2O	Filter: PVC Filter (37 mm) – Preweighed	1/3		120/960	Routine shipping. Note "WATER SOLUBLE" on the sampling data sheet.	TIC-ICP-01: Modified OSHA 125G/NIOSH
CAS RN: varies							No interferences reported.	7300
for analysis of additional analytes ar Organic Solvents \$35.00 Isocyanates \$60.00 Particulate, quartz and cristobalite c is an additional \$40 per sample. [2] COMPATIBILITY CODES: Compou NONE indicates that the analyte mu	e discounted as Acids/Anion Aldehydes on the same air s unds with the sa ist be sampled a	follows: s \$44.00 \$60.00 cample is \$120 me "Compat. alone.	more than one analyte on certain sampling me Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove inte Code" may be collected together. /air volumes, or sampling times for EACH comp	erferences		Assay 581/584 Disposable resp [4] VOLUME/TIM NA = not applic [5] HANDLING: M temperatures v	RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the 4/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. birable samplers (DRS) are \$17.00 each. E: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive sa able. ost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, beca ary - Travelers IH Lab recommends shipping samples cold overnight to the Lab. IETHOD: Analytical methods are based on the listed references, but may be modified at the discretion	impling. use shipping

Instruction Compaty Media of the Media	TRAVELERS J			INDU	SIRIAL	HYGIENE	LABORAT	JRT IH Helpline:	800-842-035
Number 551.00 NORE Subject Huber SEC284-39 Catel CBL / DL O.S. 3 / 21 Reurina strapping Number of the strapping		Price [1]	•	Media [3]	Flow Rate	Flow Rate or	Sampling Time	Special Instructions /Interferences [5]	
NDVF Provide Samplor Assay 766 Junnola Yes Q-160 million Kontrol Kontrol Link Provide Samplor Assay 766 Junnola Yes Q-160 million Kontrol Link Provide Samplor Assay 766 Junnola Velocity Link Provide Samplor Assay 766 Junnola Velocity	Ammonia			Sorbent Tubes: SKC 226-29 Coated	· · /				TIC-IC-06: Modified OSHA
CAS RN: 7656-01-7 Initial feature VC-Filter (2) mm) 1/2 2 38/200 Reserve (and a single and single and single and a single and a single and single and single			NONE			Yes	60-480 mins		
Preverginit Preverginities Preverginites Preverginities Preverginiti	CAS RN: 7664-41-7								
Anyl acetate	Ammonium Chloride	\$64.00	NONE	. ,	1/2	2	16/960	Routine shipping.	Modified OSHA I
a-Amyl acetate \$55.00 GC-U Softwert Takes SGC 286-09 Charcal 0.01 / 0.2 0.2 1 / 10 Mon NOSH and OSH A methods induce that samples are stable at noom torreportation. Takes SGC 286-09 Charcal 1 / 10 Mon NOSH and OSH A methods induce that samples are stable at noom torreportation. Takes SGC 286-09 Charcal 1 / 10 Mon NOSH and OSH A methods induce that samples are stable at noom torreportation. Takes SGC 296-09 Charcal 0.1 / 0.2 15.720mix Available No interferences inported.	CAS RN: 12125-02-9							Samples can also be analyzed for Total Particulate upon request.	
CAS RN: 528-63-7 Notified retrieves reported. CAS RN: 528-63-7 No interferences reported. CAS RN: 528-63-8 No interferences reported. Aniline Sorbent Tube: SXC 226-98 Coated 0.2 Aniline Sorbent Tube: SXC 226-98 Coated 0.2 Aniline No interferences reported. Rc-C-48: Aniline Solono ICP001 Filter MCE Filter (37 mm) 1/3 CAS RN: 7440-38-0 No interferences reported. Rc-C-48: Aniline Solono ICP001 Filter Deposable Scamples after ool indicate that samples are stable at room indicate that samples approxibite reported. Rc-C-48: CAS RN: 7440-38-2	n-Amyl acetate	\$55.00	GC-U		0.01/0.2	0.2	1/10	temperature. Travelers IH Lab recommends refrigerating samples after collection and	Modified NIOSH
tert-AmyLinethyLether \$55:00 GC-U Solution Tubes, SKC 226-09 Charcoal 0.1/0.2 3/96 Mode NIOSH and OSHA methods indicate that samples are stable at room the displaying cold overright to the Lab. No. CAS RN: 994-05-8 NONE Sorbent Tubes, SKC 226-98 Coated 0.2 30 Mode NIOSH and OSHA methods indicate that samples are stable at room the displaying cold overright to the Lab. No. CAS RN: 994-05-8 NONE Sorbent Tubes, SKC 226-98 Coated 0.2 30 Mode NIOSH and OSHA methods indicate that samples are stable at room the methods indicate that samples are stable at room the methods. No. CAS RN: 62-53-3 No. No. Interferences reported. No. Antimony \$36.00 KCP 001 Filter MCE Filter (37 mm) 1/3 200/960 Routine shipping. May be sampled using a PVC filter if particulate is also desired. No. Antimony \$36.00 KCP 001 Filter MCE Filter (37 mm) 1/3 200/960 Routine shipping. May be sampled using a PVC filter if particulate is also desired. No. Antimony trioxide, Inhalable \$35.00 KCP 001 Filter MCE Filter (37 mm) 1/3 60/1260 Routine shipping. May be sampled using a PVC filter if particulate is also desired. No. Antimony trixixide,			GC-U	Passive Sampler: Assay 566 OVM		0.2	15-720 mins		
tert-AmyLinethyLether \$55:00 GC-U Solution Tubes, SKC 226-09 Charcoal 0.1/0.2 3/96 Mode NIOSH and OSHA methods indicate that samples are stable at room the displaying cold overright to the Lab. No. CAS RN: 994-05-8 NONE Sorbent Tubes, SKC 226-98 Coated 0.2 30 Mode NIOSH and OSHA methods indicate that samples are stable at room the displaying cold overright to the Lab. No. CAS RN: 994-05-8 NONE Sorbent Tubes, SKC 226-98 Coated 0.2 30 Mode NIOSH and OSHA methods indicate that samples are stable at room the methods indicate that samples are stable at room the methods. No. CAS RN: 62-53-3 No. No. Interferences reported. No. Antimony \$36.00 KCP 001 Filter MCE Filter (37 mm) 1/3 200/960 Routine shipping. May be sampled using a PVC filter if particulate is also desired. No. Antimony \$36.00 KCP 001 Filter MCE Filter (37 mm) 1/3 200/960 Routine shipping. May be sampled using a PVC filter if particulate is also desired. No. Antimony trioxide, Inhalable \$35.00 KCP 001 Filter MCE Filter (37 mm) 1/3 60/1260 Routine shipping. May be sampled using a PVC filter if particulate is also desired. No. Antimony trixixide,	CAS RN: 628-63-7							No interferences reported.	
Andline \$90.00 NONE Submet Tubes SKC 226-98 Coated XAD-7 tube 0.2 30 Mest MIOSH and OSH Amethods indicate that samples are stable at noom If Circ 44 temperature. Travelers Hild biots indicate that samples are stable at noom If Circ 44 Mestiger 2000 CAS RN: 62-53-3 No interferences reported. No interferences reported. No interferences reported. CAS RN: 7440-36-0 No interferences reported. No interferences reported. No interferences reported. CAS RN: 1309-64-4 CP001 Filter. MCE Filter (37 mm) 1 / 3 200 / 960 Routine shipping. May be sampled using a PVC filter if particulate is also desired. No interferences reported. CAS RN: 1309-64-4 CP001 Filter. MCE Filter (37 mm) 1 / 3 60 / 1260 Routine shipping. Analysis by CPMS - Other metals: can be analyzed by ICP or ICPMS. This method is not suitable for arsenic trioxide (ASO3). NONE Filter: SKC 225-9001 MCE Filter with coated pad No interferences reported. No interferences reported. No 21300-225-30 NONE Filter: MCE Filter (37 mm) 1 / 3 60 / 1260 Routine shipping. Analysis by ICPMS - Other metals: can be analyzed by ICP or ICPMS. This method is not suitable for arsenic trioxide (ASO3). No interferences reported. No 2200	tert-Amyl methyl ether	\$55.00	GC-U		0.1/0.2		3/96	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and	Modified NIOSH
Antline \$90.00 NONE Soment Tubes SKC 226-98 Coated XAD-7 tube 0.2 30 Most MOSH and OSH methods indicate that samples are stable at norm IncCc4-44 Antlinony \$36.00 ICP 001 Filter: MCE Filter (37 mm) 1/3 200 / 960 Routine shipping. May be sampled using a PVC filter if particulate is also desired. Tic-dc9-QL Most MOSH and OSH Amethods indicate that samples are stable at norm Tic-dc9-QL Most MOSH and OSH Amethods indicate that samples are stable at norm Tic-dc9-QL Most MOSH and OSH Amethods indicate that samples are stable at norm Tic-dc9-QL Most MOSH and OSH Amethods indicate that samples are stable at norm Tic-dc9-QL Most MOSH and OSH Amethods indicate that samples are stable at norm Tic-dc9-QL Most MOSH and OSH Amethods indicate that samples are stable at norm Tic-dc9-QL Most MOSH and OSH Amethods indicate that samples are stable at norm Tic-dc9-QL Most MOSH and OSH Amethods indicate that samples are stable at norm Tic-dc9-QL Most MOSH and OSH Amethods indicate that samples are stable at norm Tic-dc9-QL Most MOSH and OSH Amethods indicate that samples are stable at norm Tic-dc9-QL Most MOSH and OSH Amethods indicate that samples are stable at norm Tic-dc9-QL Most MOSH and OSH Amethods indicate that samples are stable at norm Tic-dc9-QL Most MOSH and OSH Amethods indicate that samples are stable at norm Tic-dc9-QL Most MOSH and OSH Amethods indicate that samples are stable at norm Tic-dc9-QL Most MOSH and OSH Amethods indicate that samples are stable at norm Tic-dc9-QL	CAS RN: 994-05-8							No interferences reported.	
Antimony \$36.00 ICP 001 Filter: MCE Filter (37 mm) 1/3 200 / 960 Routine shipping, May be sampled using a PVC filter if particulate is also desired. Modied GYAM. CAS RN: 7440-36-0 No interferences reported. No interferences reported. 7300 Antimony trioxide, Inhalable \$36.00 ICP 001 Filter: Disposable Respirable Sampler (DRS) WITHOUT FOAM INSERT 2 960 Routine shipping, How rate of 2.0 liters per minute is CRITICAL. Disposable No. 1/1.0:0:0:1 CAS RN: 1309-64-4 All sources of antimony are included in the result. Modified GYAM. 1/2.5:(ANOSH 1260) Arsenic \$55.00 ICP 001 Filter: MCE Filter (37 mm) 1/3 60 / 1260 Routine shipping. May be sampled using a PVC filter if particulate is also desired. Modified GYAM. CAS RN: 1309-64-4 All sources of antimony are included in the result. 1/2:6:(P-MS-0) Modified GYAM. 1/3:00 CAS RN: 1309-64-4 Arsenic \$55.00 ICP 001 Filter: MCE Filter (37 mm) 1/3 60 / 1260 Routine shipping. May be sampled using a PVC filter if particulate is also desired. Modified INOSP. CAS RN: 1309-64-4 Arsenic trioxide, as As \$90.00 NORE Filter: SKC 225-9001 MCE Filter with 1/3 60 / 1260	Aniline	\$90.00	NONE		0.2		30	temperature. Travelers IH Lab recommends refrigerating samples after collection and	Modified OSHA
Antimony \$36.00 ICP 001 Filter: MCE Filter (37 mm) 1/3 200/960 Routine shipping, May be sampled using a PVC filter if particulate is also desired. Incer-0-1 CAS RN: 7440-36-0 No interferences reported. No interferences reported. 7300 Antimony trioxide, Inhalable \$36.00 ICP 001 Filter: Disposable Respirable Sampler 2 960 Routine shipping, How rate of 2.0 liters per minute is CRITICAL. Disposable The CP-01 Maddee OSHAL (DRS) WITHOUT FOAM INSERT 2 960 Routine shipping, How rate of 2.0 liters per minute is CRITICAL. Disposable Respirable Samplers (DRS) The CP-01 Maddee OSHAL (DRS) WITHOUT FOAM INSERT 2 960 Routine shipping, How rate of 2.0 liters per minute is CRITICAL. Disposable Respirable Samplers (DRS) The CP-01 Maddee OSHAL (DRS) WITHOUT FOAM INSERT 2 960 Routine shipping, How rate of 2.0 liters per minute is CRITICAL. Disposable Respirable Samplers (DRS) The CP-01 CAS RN: 1309-64-4 All sources of antimony are included in the result. All sources of antimony are included in the result. The CP-05-03 CAS RN: 7440-38-2 Analysis by ICPMS - Other metals can be analyzed by ICP or ICPMS. This method is not suitable for arsenic trioxide, AsO3). The CP-05-03 Moddle BANDAL	CAS RN: 62-53-3							No interferences reported.	
Antimony trioxide, Inhalable \$36.00 ICP 001 Filter: Disposable Respirable Sampler 2 960 Routine shipping. Flow rate of 2.0 liters per minute is CRITICAL. Disposable TIC-RCP-01. Antimony trioxide, Inhalable \$36.00 ICP 001 Filter: Disposable Respirable Sampler 2 960 Routine shipping. Flow rate of 2.0 liters per minute is CRITICAL. Disposable TIC-RCP-01. Antimony trioxide, Inhalable \$36.00 ICP 001 Filter: Disposable Respirable Sampler 2 960 Routine shipping. Flow rate of 2.0 liters per minute is CRITICAL. Disposable TIC-RCP-01. CAS RN: 1309-64-4 All sources of antimony are included in the result. All sources of antimony are included in the result. TIC-RCP-MS-01. Arsenic \$55.00 ICP 001 Filter: MCE Filter (37 mm) 1 / 3 60 / 1260 Routine shipping. May be sampled using a PVC filter if particulate is also desired. TIC-RCP-MS-01. Arsenic trioxide, as As \$90.00 NONE Filter: SC 225-9001 MCE Filter with 1 / 3 60 / 1000 Routine shipping. TIC-RCP-MS-01. Arsenic trioxide, as As \$90.00 NONE Filter: SC 225-9001 MCE Filter with 1 / 3 60 / 1000 Routine shipping. TIC-RCP-MS-01. Toranalysis of additional analytes are discounted as fold	Antimony	\$36.00	ICP 001	Filter: MCE Filter (37 mm)	1/3		200/960		Modified OSHA II
Antimited and the second of the construction of the constructin the constheories construction of the construction o		\$36.00	ICP 001	Filter: Disposable Despirable Sampler	2		960		
Arsenic \$55.00 ICP 001 Filter: MCE Filter (37 mm) 1/3 60/1260 Routine shipping, May be sampled using a PVC filter if particulate is also desired. IIC-ICP-MS-01 Arsenic \$55.00 ICP 001 Filter: SKC 225-9001 MCE Filter with 1/3 60/1260 Routine shipping, May be sampled using a PVC filter if particulate is also desired. IIC-ICP-MS-01 Arsenic trioxide, as As \$90.00 NONE Filter: SKC 225-9001 MCE Filter with 1/3 60/1000 Routine shipping. IIC-ICP-MS-01 Arsenic trioxide, as As \$90.00 NONE Filter: SKC 225-9001 MCE Filter with 1/3 60/1000 Routine shipping. IIC-ICP-MS-01 Modified MIOSP-7901 coated pad No interferences reported. IIC-ICP-MS-01 Modified MIOSP-7901 CAS RN: 1327-53-3 No interferences reported. IIC-ICP-MS-01 Modified MIOSP-7901 Modified MIOSP-7901 If ADDITIONAL ANALYTES: Because it is often possible to collect more than one analyte on certain sampling media, the charges for analytics of additional analytes are discounted as follows: IIC-ICP-MS-01 Modified MIOSP-7901 Organic Solvents \$35.00 Acids/Anions \$44.00 Metals by ICP \$28.00 IIC-ICP-MS-01 Is anadditional \$40 per sample. Saon \$35.00 <	Antimony thoxide, initiable	\$50.00			Z		500	Respirable Samplers (DRS) MUST HAVE THE FOAM INSERT REMOVED AND DISCARDED prior to sampling for inhalable particulate. Respirable samplers (DRS)	Modified OSHA II 125G/NIOSH
Arsenic \$55.00 ICP 001 Filter: MCE Filter (37 mm) 1/3 60/1260 Routine shipping. May be sampled using a PVC filter if particulate is also desired. TC-CP-MS-01 Modified NIOSP 7300 CAS RN: 7440-38-2 Analysis by ICPMS - Other metals can be analyzed by ICP or ICPMS. This method is not suitable for arsenic trioxide (AsO3). TIC-ICP-MS-01 Modified NIOSP 7300 Arsenic trioxide, as As \$90.00 NONE Filter: SKC 225-9001 MCE Filter with 1/3 coated pad 60/1000 Routine shipping. TIC-ICP-MS-01 Modified NIOSP 7901 CAS RN: 1327-53-3 No interferences reported. 1/3 60/1000 Routine shipping. TIC-ICP-MS-01 Modified NIOSP 7901 1 ADDITIONAL ANALYTES: Because it is often possible to collect more than one analyte on certain sampling media, the charges for analysis of additional analytes are discounted as follows: Organic Solvents \$35.00 Not interferences reported. 13 PASSIVE AND RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the Lab. Assay 581/584/586 and 5KC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. Disposable respirable samplers (DRS) are \$17.00 each. 12 OCMPATIBILITY CODES: Compounds with the same ari sample is \$120.00 per sample. 21 COMPATIBILITY CODES: Compounds with the same "Compat. Code" may be collected together. NONE indicates that the analyte must be sampled colo. 16 REFERENCE METHOD: Analytical methods are based on the lab. (6) REFERENCE METHOD: Analytical methods are based on the lab. (6) REFERENCE ME	CAS RN: 1309-64-4							All sources of antimony are included in the result.	
Analysis by ICPMS – Other metals can be analyzed by ICP or ICPMS. This method is not suitable for arsenic trioxide (AsO3). Arsenic trioxide, as As \$90.00 NONE Filter: SKC 225-9001 MCE Filter with 1/3 CAS RN: 1327-53-3 ADDITIONAL ANALYTES: Because it is often possible to collect more than one analyte on certain sampling media, the charges for analysis of additional analytes are discounted as follows: Organic Solvents \$35.00 Acids/Anions \$44.00 Metals by ICP \$28.00 Particulate, quartz and cristobalite on the same air sample is \$120.00 per sample. Acid treatment to remove interferences is an additional \$40 per sample. [2] COMPATIBILITY CODES: Compounds with the same "Compat. Code" may be collected together. NONE indicates that the analyte must be sampled alone. Solution and show the same and the discretion of Travelers. Solution and show the same base base price show the same base base prices and base base base base prices and base base prices and base base prices base show the same base base prices and base base prices and base base prices base base prices and base base prices base and base prices and base prices base prices and base prices base prices base prices base prices and base prices base p	Arsenic	\$55.00	ICP 001	Filter: MCE Filter (37 mm)	1/3		60/1260	Routine shipping. May be sampled using a PVC filter if particulate is also desired.	TIC-ICP-MS-01 Modified NIOSH
Coated pad Modified NIOSH 7901 CAS RN: 1327-53-3 No interferences reported. (1) ADDITIONAL ANALYTES: Because it is often possible to collect more than one analyte on certain sampling media, the charges for analysis of additional analytes are discounted as follows: (3) PASSIVE AND RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the Lab. Organic Solvents \$35.00 Acids/Anions \$44.00 Metals by ICP \$28.00 Silica (see below) \$25.00 Isocyanates \$60.00 Aldehydes \$60.00 Silica (see below) \$25.00 [4] VOLUME/TIME: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive sampling. NA = not applicable. [5] HANDLING: Most NIOSH or OSHA methods indicate that samples are stable at room temperature, however, because shipping tamples cold overnight to the Lab. (2] COMPATIBILITY CODES: Compounds with the same "Compat. Code" may be collected together. [6] REFERENCE METHOD: Analytical methods are based on the listed references, but may be modified at the discretion of Travelers.	CAS RN: 7440-38-2								
1] ADDITIONAL ANALYTES: Because it is often possible to collect more than one analyte on certain sampling media, the charges for analysis of additional analytes are discounted as follows: [3] PASSIVE AND RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the Lab. Organic Solvents \$35.00 Acids/Anions \$44.00 Metals by ICP \$28.00 Isocyanates \$60.00 Aldehydes \$60.00 Silica (see below) \$25.00 Particulate, quartz and cristobalite on the same air sample is \$120.00 per sample. Acid treatment to remove interferences [4] VOLUME/TIME: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive sampling. 2] COMPATIBILITY CODES: Compounds with the same "Compat. Code" may be collected together. [5] HANDLING: Most NIOSH or OSHA methods indicate that samples are stable at room temperature, however, because shipping samples cold overnight to the Lab. NONE indicates that the analyte must be sampled alone. [6] REFERENCE METHOD: Analytical methods are based on the listed references, but may be modified at the discretion of Travelers.	Arsenic trioxide, as As	\$90.00	NONE		1/3		60/1000	Routine shipping.	TIC-ICP-MS-01 Modified NIOSH 7901
for analysis of additional analytes are discounted as follows: Organic Solvents \$35.00 Acids/Anions \$44.00 Metals by ICP \$28.00 Isocyanates \$60.00 Aldehydes \$60.00 Silica (see below) \$25.00 Particulate, quartz and cristobalite on the same air sample is \$120.00 per sample. Acid treatment to remove interferences is an additional \$40 per sample. 2] COMPATIBILITY CODES: Compounds with the same "Compat. Code" may be collected together. NONE indicates that the analyte must be sampled alone. 3 Compart Builting and the must be sampled alone. 4 Societ and the discretion of Travelers. 4 Societ and the discretion of Travelers. 5 1 1 1 1 1 1 1 1 1 1	CAS RN: 1327-53-3							No interferences reported.	
NONE indicates that the analyte must be sampled alone. [6] REFERENCE METHOD: Analytical methods are based on the listed references, but may be modified at the discretion of Travelers.	for analysis of additional analytes are Organic Solvents \$35.00 Isocyanates \$60.00 Particulate, quartz and cristobalite o is an additional \$40 per sample.	e discounted as Acids/Anior Aldehydes on the same air s	s follows: ns \$44.00 \$60.00 sample is \$120	Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove inte			Assay 581/58 Disposable resp [4] VOLUME/TIM NA = not applic	4/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. pirable samplers (DRS) are \$17.00 each. IE: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive sa cable.	mpling.
	NONE indicates that the analyte mu	st be sampled	alone.	, ,	oound.				on of Travelers.

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INDUSTRIAL HYGIENE LABORATORY

IH Helpline: 800-842-0355 TWA STEL Air Volume or Compat Flow Rate Flow Rate or Sampling Time Reference Price [1] OK for Passive Analyte Code [2] Media [3] (LPM) for Passive [4] Special Instructions/Interferences [5] Method [6] TIC-ICP-MS-04 Arsine \$60.00 NONE Sorbent Tubes: SKC 226-09 Charcoal 0.01/0.2 10/20Routine shipping. Modified NIOSH tube 6001 No interferences reported. CAS RN: 7784-42-1 FIC-PLM-01: EPA Asbestos in Bulk Materials \$40.00 NONE 1 tablespoon of sample in an NA NA Seal in an appropriate container inside double zip-top bags, mark container as Interim Method unbreakable container suspect asbestos containing material, DO NOT ship with air samples. No interferences reported. Floor tiles and some matrices must be analyzed by TEM using a subcontracted lab for an additional cost. CAS RN: varies TIC-GRV-06: Asphalt Fumes as Benzene \$90.00 NONE Filter: PTFE Filter (37 mm) -1/3 360/1400 Routine shipping. Total particulates are determined first (\$27), then an extraction is Modified NIOSH done (\$63) if the particulate weight gain is above 50 micrograms. Solubles Preweighed 5042 All benzene soluble particulates are included in the result. CAS RN: 8052-42-4 TIC-ICP-01: Barium \$36.00 ICP 001 Filter: MCE Filter (37 mm) 1/3 50/2000 Routine shipping. May be sampled using a PVC filter if particulate is also desired. Modified OSHA ID-125G/NIOSH No interferences reported. CAS RN: 7440-39-3 7300 TIC-ICP-01 Routine shipping. Note "WATER SOLUBLE" on the sampling data sheet. Barium, Water Soluble \$36.00 ICP H2O Filter: PVC Filter (37 mm) -1/3 30/960 Modified OSHA ID-Preweighed 125G/NIOSH 7300 No interferences reported. CAS RN: varies \$100.00 LC-ALD1 Sorbent Tubes: SKC 226-119 Coated 0.05/0.2 0.5 1/25Keep media frozen before and after sampling. Ship samples cold overnight to the Lab. TIC-I C-01: Benzaldehvde Modified EPA IP-Sample by placing 2 tubes in holders connected together. The charcoal tube (closest silica gel tube followed by SKC 226-6A 09 Charcoal tube to the pump) is disposed. DNPH1 Passive Sampler: Assay 571 Aldehyde Yes 60-600 mins Avoid temperatures exceeding 90°F. During the summer months ship samples Monitor overnight to the lab. Call for info regarding sampling other aldehydes. Other aldehydes, ketones and ozone react with and consume the DNPH. Ozone can degrade the aldehyde-DNPH derivative. CAS RN: 100-52-7 Benzene \$55.00 NONE Sorbent Tubes: SKC 226-09 Charcoal 0.05/0.2 40/80 Most NIOSH and OSHA methods indicate that samples are stable at room TIC-GC-86: Modified NIOSH tube temperature. Travelers IH Lab recommends refrigerating samples after collection and 1501 shipping cold overnight to the Lab. NONE Passive Sampler: Assav 525 TraceAir II Yes 480-720 mins Avoid temperature exceeding 90°F. During the summer months ship samples OVM overnight to the Lab. No interferences reported. CAS RN: 71-43-2 Sorbent Tubes: SKC 226-110 0.2 TIC-GC-86: \$95.00 NONE 25/48 Routine shipping. Benzophenone Modified OSHA Chromosorb 106 tube PV2130 No interferences reported. CAS RN: 119-61-9 \$95.00 NONE Filter: MCE Filter (37 mm) 1/3 15/400 Refrigerate samples after collection and ship cold overnight to the Lab. TIC-I C-13 Benzoyl peroxide Modified NIOSH 5009 No interferences reported. CAS RN: 94-36-0 [1] ADDITIONAL ANALYTES: Because it is often possible to collect more than one analyte on certain sampling media, the charges [3] PASSIVE AND RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the Lab. for analysis of additional analytes are discounted as follows: Assay 581/584/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. Organic Solvents \$35.00 Acids/Anions \$44.00 Metals by ICP \$28.00 Disposable respirable samplers (DRS) are \$17.00 each. Isocyanates \$60.00 Aldehydes \$60.00 Silica (see below) \$25.00 [4] VOLUME/TIME: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive sampling. Particulate, guartz and cristobalite on the same air sample is \$120.00 per sample. Acid treatment to remove interferences NA = not applicable. [5] HANDLING: Most NIOSH or OSHA methods indicate that samples are stable at room temperature, however, because shipping is an additional \$40 per sample. [2] COMPATIBILITY CODES: Compounds with the same "Compat. Code" may be collected together. temperatures vary - Travelers IH Lab recommends shipping samples cold overnight to the Lab. NONE indicates that the analyte must be sampled alone. [6] REFERENCE METHOD: Analytical methods are based on the listed references, but may be modified at the discretion of Travelers. If sampling for two or more compounds, adhere to the flow rates/air volumes, or sampling times for EACH compound. Prices subject to change without notice. © 2024 The Travelers Indemnity Company. All rights reserved. Travelers and the Travelers Umbrella logo are registered trademarks of The Travelers Indemnity Company in the US and other countries.

TRAVELERS			INDU	STRIAL	HYGIENE	LABORATO	DRY IH Helpline:	800-842-035
Analyte	Price [1]	Compat Code [2]	Media [3]	TWA Flow Rate (LPM)	STEL Flow Rate or OK for Passive	Air Volume or Sampling Time for Passive [4]	Special Instructions/Interferences [5]	Reference Method [6]
Benzyl alcohol	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		7 / 10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1402
		GC-U	Passive Sampler: Assay 566 OVM		No	120-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 100-51-6							No interferences reported.	
Benzyl chloride	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.02 / 0.2	0.2	7 / 50	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1003
		GC-U	Passive Sampler: Assay 566 OVM		No	120-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 100-44-7							No interferences reported.	
Beryllium and Compounds as Be (ICP)	\$36.00	ICP 001	Filter: MCE Filter (37 mm)	1/3	3	1260/1440	Routine shipping. Request ANALYSIS BY ICPMS for lower Reporting Limit. ICP analyisis will achieve 0.00002 mg/m^3 with 1260 liter air volume.	TIC-ICP-01: Modified OSHA I 125G/NIOSH 7300
CAS RN: 7440-41-7							No interferences reported.	/ 500
Beryllium and Compounds as Be (ICPMS)	\$55.00	ICP 001	Filter: MCE Filter (37 mm)	1/3	3	360/1440	Routine shipping. Request ICPMS analysis.	TIC-ICP-MS-06 Modified NIOSH 7303
CAS RN: 7440-41-7							No interferences reported.	
Biphenyl	\$55.00	NONE	Sorbent Tubes: SKC 226-95 XAD-7 tube	0.02 / 0.2		20	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-81: Modified OSHA PV2022
CAS RN: 92-52-4							No interferences reported.	
Bismuth	\$36.00	ICP 001	Filter: MCE Filter (37 mm)	1/3		240/960	Routine shipping. May be sampled using a PVC filter if particulate is also desired.	TIC-ICP-01: Modified OSHA I 125G/NIOSH
CAS RN: 7440-69-9							All sources of bismuth are included in the result. May be sampled as total particulate as an alternate option.	7300
Bisphenol A	\$90.00	NONE	Filter: Glass Fiber Filter (37 mm)	0.5 / 1.5		10/360	Refrigerate samples after collection and ship cold overnight to the Lab.	TIC-LC-28: Modified OSHA 1018
CAS RN: 80-05-7							No interferences reported.	
Boric acid	\$36.00	NONE	Filter: PVC Filter (37 mm) - Preweighed	1/2		240/480	Routine shipping.	TIC-ICP-01: Modified NIOSF 7303
CAS RN: 10043-35-3							All sources of boron are included in the result.	
Bromine	\$90.00	IC 2	Filter: Silver Membrane Filter (25 mm)	0.3/1	1	80/360	Protect samples from light after collection.	TIC-IC-08: Modified NIOSH 6011
CAS RN: 7726-95-6							Other bromide compounds may interfere, note presence on the sampling data sheet.	
for analysis of additional analytes ar Organic Solvents \$35.00 Isocyanates \$60.00 Particulate, quartz and cristobalite of is an additional \$40 per sample. [2] COMPATIBILITY CODES: Compor NONE indicates that the analyte mu	e discounted as Acids/Anior Aldehydes on the same air s unds with the sa ust be sampled	follows: \$44.00 \$60.00 sample is \$12 me "Compat. alone.	t more than one analyte on certain sampling med Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove inte Code" may be collected together. ;/air volumes, or sampling times for EACH comp	rferences		Assay 581/584 Disposable resp [4] VOLUME/TIM NA = not applic [5] HANDLING: M temperatures v	RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the 4/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. birable samplers (DRS) are \$17.00 each. E: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive sa able. lost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, becau ary - Travelers IH Lab recommends shipping samples cold overnight to the Lab.	mpling. Jse shipping

TRAVELERS J			INDO			LABORATO	IH Helpline:	800-842-035
		Compat		TWA Flow Rate	STEL Flow Rate or	Air Volume or Sampling Time		Reference
Analyte 1,3-Butadiene	Price [1] \$77.00	Code [2] NONE	Media [3] Sorbent Tubes: SKC 226–37 Charcoal tubes – set of two separate tubes in series	(LPM) 0.01/0.5	OK for Passive 0.2	for Passive [4] 12 / 25	Special Instructions/Interferences [5] Sample by placing 2 tubes in holders connected together. The tube closest to the pump is the BACK (PART B). After sampling: separate, cap and label tubes FRONT and BACK. Samples MUST be refrigerated after collection and shipped cold overnight to the Lab.	Method [6] TIC-GC-15: Modified NIOSI 1024
		NONE	Passive Sampler: Assay 566 OVM		Yes	240-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 106-99-0							No interferences reported.	
n-Butane	\$70.00	CS2DB5	Sorbent Tubes: Tandem Carbosieve SIII tubes – 2 tubes in series	0.05	0.05	3	Sample by placing 2 tubes in holders connected together. The tube closest to the pump is the BACK. After sampling: separate, cap and label tubes FRONT and BACK. Refrigerate samples after collection and ship cold overnight to the Lab.	TIC-GC-79: Modified OSHA PV2010
CAS RN: 106-97-8							Other compounds may interfere. Note any compounds present in the environment on the sampling data sheet.	
n-Butanol	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		4/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1401
		GC-U	Passive Sampler: Assay 566 OVM		No	30-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 71-36-3							No interferences reported.	
sec-Butanol	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2	0.2	2/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1401
		GC-U	Passive Sampler: Assay 566 OVM		No	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 78-92-2							No interferences reported.	
tert-Butanol	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2	0.2	3/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1400
		GC-U	Passive Sampler: Assay 566 OVM		No	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 75-65-0							No interferences reported.	
2-Butoxyethanol	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.1		3/48	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified OSHA 83/NIOSH 1403
		GC-U	Passive Sampler: Assay 566 OVM		No	30-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 111-76-2							No interferences reported.	
for analysis of additional analytes are Organic Solvents \$35.00 Isocyanates \$60.00 Particulate, quartz and cristobalite o is an additional \$40 per sample. [2] COMPATIBILITY CODES: Compou NONE indicates that the analyte mu	e discounted as Acids/Anion Aldehydes n the same air s inds with the sa st be sampled a	follows: Is \$44.00 \$60.00 sample is \$120 Ime "Compat. alone.	more than one analyte on certain sampling mea Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove inte Code" may be collected together. /air volumes, or sampling times for EACH comp	rferences		Assay 581/58 Disposable resp [4] VOLUME/TIM NA = not applic [5] HANDLING: M temperatures v	 RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the 4/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. pirable samplers (DRS) are \$17.00 each. IE: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive samples. Nost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, becaurary - Travelers IH Lab recommends shipping samples cold overnight to the Lab. METHOD: Analytical methods are based on the listed references, but may be modified at the discretion. 	npling. Ise shipping

TRAVELERS J			INDU			LABORATO	JK I IH Helpline: 8	800-842-035
Analyte	Price [1]	Compat Code [2]	Media [3]	TWA Flow Rate (LPM)	STEL Flow Rate or OK for Passive	Air Volume or Sampling Time for Passive [4]	Special Instructions/Interferences [5]	Reference Method [6]
2-Butoxyethyl acetate	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.02/0.1		3/48	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified OSHA 83
		GC-U	Passive Sampler: Assay 566 OVM		No	30-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 112-07-2							No interferences reported.	
n-Butyl acetate	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.02/0.2	0.2	1/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1450
		GC-U	Passive Sampler: Assay 566 OVM		Yes	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 123-86-4							No interferences reported.	
sec-Butyl acetate	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2	0.2	1/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1450
CAS RN: 105-46-4							No interferences reported.	
tert-Butyl acetate	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2	0.2	3/12	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified OSHA 5000
		GC-U	Passive Sampler: Assay 566 OVM		Yes	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 540-88-5							No interferences reported.	
n-Butyl acrylate	\$55.00	GC 4	Sorbent Tubes: SKC 226-73 Coated charcoal tube	0.05		10/12	Keep media cold before and after sampling. Ship samples cold overnight to the Lab, do not ship on Fridays.	TIC-GC-01: Modified OSHA PV2011
		GC-U	Passive Sampler: Assay 566 OVM		No	60-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 141-32-2							No interferences reported.	
n-Butyl glycidyl ether	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		20/30	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1616
		GC-U	Passive Sampler: Assay 566 OVM		No	240-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 2426-08-6							No interferences reported.	
Butyl mercaptan	\$115.00	GC-MER	Filter: SKC 225-9007 Mercaptan Filter	0.1/0.2	0.2	55 / 150	Keep media frozen and protected from light before and after sampling. Ship samples cold overnight to the Lab.	TIC-GC-37: Modified NIOSH 2542
CAS RN: 109-79-5							Dimethyl disulfide, diethyl disulfide and dibutyl disulfide may interfere, note presence on the sampling data sheet.	
for analysis of additional analytes a Organic Solvents \$35.00 Isocyanates \$60.00 Particulate, quartz and cristobalite is an additional \$40 per sample. [2] COMPATIBILITY CODES: Compo	re discounted as Acids/Anion Aldehydes on the same air s ounds with the sa	s follows: ns \$44.00 \$60.00 sample is \$120 nme "Compat.	more than one analyte on certain sampling me Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove inte Code" may be collected together.			Assay 581/58 Disposable resp [4] VOLUME/TIM NA = not applic [5] HANDLING: M temperatures v	tost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, becau vary - Travelers IH Lab recommends shipping samples cold overnight to the Lab.	npling. se shipping
NONE indicates that the analyte m If sampling for two or more compo			/air volumes, or sampling times for EACH comp	oound.			IETHOD: Analytical methods are based on the listed references, but may be modified at the discretio	nor navelers.

TRAVELERS			INDU	STRIAL	HYGIENE	ABORATO	DRY IH Helpline:	800-842-035
Analyte	Price [1]	Compat Code [2]	Media [3]	TWA Flow Rate (LPM)	STEL Flow Rate or OK for Passive	Air Volume or Sampling Time for Passive [4]	Special Instructions/Interferences [5]	Reference Method [6]
Butyraldehyde	\$100.00	LC-ALD1	Sorbent Tubes: SKC 226-119 Coated silica gel tube followed by SKC 226- 09 Charcoal tube	0.05 / 0.2		2/15	Keep media frozen before and after sampling. Ship samples cold overnight to the Lab. Sample by placing 2 tubes in holders connected together. The charcoal tube (closest to the pump) is disposed.	TIC-LC-01: Modified EPA IP- 6A
		DNPH1	Passive Sampler: Assay 571 Aldehyde Monitor		No	15-600 mins	Avoid temperatures exceeding 90°F. During the summer months ship samples overnight to the lab. Call for info regarding sampling other aldehydes.	
CAS RN: 123-72-8							Other aldehydes, ketones and ozone react with and consume the DNPH. Ozone can degrade the aldehyde–DNPH derivative.	
Cadmium and Compounds as Cd	\$36.00	ICP 001	Filter: MCE Filter (37 mm)	1/3		500/960	Routine shipping. If total particulate is also desired, sample using a Preweighed PVC filter. Respirable samples may be collected at a 2.0 LPM flow rate on a preweighed Disposable Respirable Sampler (DRS) – see Particulate, Respirable instructions.	TIC-ICP-01: Modified OSHA II 125G/NIOSH 7300
CAS RN: 7440-43-9							No interferences reported.	
Calcium	\$36.00	ICP 001	Filter: MCE Filter (37 mm)	1/3		120/960	Routine shipping. May be sampled using a PVC filter if particulate is also desired.	TIC-ICP-01: Modified OSHA II 125G/NIOSH
CAS RN: 7440-70-2 Calcium Hydroxide	\$36.00	ICP 001	Filter: MCE Filter (37 mm)	1/3		60 / 960	No interferences reported. Routine shipping. May be sampled using a PVC filter if particulate is also desired.	7300 TIC-ICP-01:
	\$50.00	ICF 001		1/5		007 500	All sources of calcium are included in the result.	Modified OSHA II 125G/NIOSH
CAS RN: 1305-62-0 Calcium Oxide	\$36.00	ICP 001	Filter: MCE Filter (37 mm)	1/3		120/960	Routine shipping. May be sampled using a PVC filter if particulate is also desired.	7300 TIC-ICP-01:
CAS RN: 1305-78-8	\$50.00			1/5		1207 500	All sources of calcium are included in the result.	Modified OSHA II 125G/NIOSH 7300
Camphor, synthetic	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2	0.2	30/48	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1301
		GC-U	Passive Sampler: Assay 566 OVM		No	480-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab. Use Assay 525 TraceAir II OVM for STEL sampling.	
CAS RN: 76-22-2							No interferences reported.	
Caprolactam	\$130.00	NONE	Filter & Tube: SKC 226-57 XAD-7 OVS	0.5/1	1	10/100	Refrigerate samples after collection and ship cold overnight to the Lab. The sampler contains a filter and sorbent material in a single tube.	TIC-LC-31: Modified OSHA PV2012
CAS RN: 105-60-2							Specify dust and/or vapor on the sampling data sheet.	
Carbon Black, OSHA	\$90.00	NONE	Filter: PVC Filter (37 mm) - Preweighed	1/2		300 / 960	Routine shipping. Total particulates are determined first (\$27), then an extraction is done (\$63) if the particulate weight gain is above 100 micrograms.	TIC-GRV-05: Modified OSHA II 196
CAS RN: 1333-86-4							Gravimetric method nonspecific, all particulate matter in the sampling environment is collected and quantified.	
Carbon disulfide	\$125.00	NONE	Sorbent Tubes: SKC 226-44 Drying tube followed by SKC 226-09 Charcoal tube	0.05/0.2	0.2	15/50	Sample by placing 2 tubes in holders connected together. The charcoal tube is connected closest to the pump. After sampling, leave the tubes connected. Samples should be frozen and shipped cold overnight to the Lab.	TIC-GC-38: Modified NIOSH 1600
		NONE	Passive Sampler: Assay 566 OVM		No	325-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 75-15-0							No interferences reported.	
for analysis of additional analytes a Organic Solvents \$35.00 Isocyanates \$60.00 Particulate, quartz and cristobalite is an additional \$40 per sample. [2] COMPATIBILITY CODES: Compo NONE indicates that the analyte m	re discounted as Acids/Anior Aldehydes on the same air s unds with the sa ust be sampled	s follows: ns \$44.00 \$60.00 sample is \$12 ame "Compat. alone.	t more than one analyte on certain sampling me Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove inte Code" may be collected together. s/air volumes, or sampling times for EACH comp	rferences		Assay 581/58 Disposable resp [4] VOLUME/TIM NA = not applic [5] HANDLING: M temperatures v	RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the 4/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. birable samplers (DRS) are \$17.00 each. E: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive sa able. lost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, beca ary – Travelers IH Lab recommends shipping samples cold overnight to the Lab.	ampling. use shipping

TRAVELERS J			INDO	SIRIAL		LABORATO		800-842-035
	Price [1]	Compat Code [2]	Media [3]	TWA Flow Rate (LPM)	STEL Flow Rate or OK for Passive	Air Volume or Sampling Time	Enosial Instructions /Interforences [E]	Reference Method [6]
Analyte Carbon tetrachloride	\$55.00	GC-U	Sorbent Tubes: SKC 226–09 Charcoal tube	0.01/0.2	0.2	for Passive [4] 16 / 150	Special Instructions/Interferences [5] Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1003
		GC-U	Passive Sampler: Assay 566 OVM		No	180-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab. Use Assay 525 TraceAir II OVM for STEL sampling.	
CAS RN: 56-23-5							No interferences reported.	
Catechol	\$110.00	LC-PHE	Filter & Tube: SKC 226-57 XAD-7 OVS	0.05/1		6/100	Refrigerate samples after collection and ship cold overnight to the Lab. The sampler contains a filter and sorbent material in a single tube.	TIC-LC-30: Modified OSHA PV2014
CAS RN: 120-80-9							No interferences reported.	
Chlorine	\$90.00	IC 2	Filter: Silver Membrane Filter (25 mm)	0.3/1	1	35/360	Protect samples from light after collection. Other chloride compounds may interfere, note presence on the sampling data sheet.	TIC-IC-08: Modified NIOSH 6011
CAS RN: 7782-50-5								
Chlorine Dioxide	\$90.00	NONE	Impinger Soln: KI Impinger Solution	0.20/0.5	0.5	70/120	Keep impinger or bubbler volume greater than 10 mLs by adding fresh solution when necessary. After sampling transfer solution to plastic vial, rinse impinger or bubbler w/ fresh solution into vial and seal.	TIC-IC-09: Modified OSHA I 202
CAS RN: 10049-04-4							Chlorine will not interfere. Large amounts of chloride may interfere, note presence on the sampling data sheet.	
Chlorobenzene	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		10/40	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1003
		GC-U	Passive Sampler: Assay 566 OVM		No	60-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 108-90-7							No interferences reported.	
p-Chlorobenzotrifluoride	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		5/10	Keep media cold after collection, samples are only stable for 7 days at room temperature. Travelers IH Lab recommends shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1026
CAS RN: 98-56-6							No interferences reported.	
Chlorobiphenyls (Arochlor 1242, 1248, 1254 or 1260)	\$110.00	NONE	Filter & Tube: Glass Fiber Filter followed by SKC 226-39 Florisil tube	0.05 / 0.2		2/60	Transfer filter to separate labeled glass vials after sampling. Protect samples from light, routine shipping. Specify which Aroclor (1248, 1260).	TIC-GC-25: Modified NIOSH 5503
CAS RN: varies							Other halogenated compounds may interfere, note presence on the sampling data sheet.	
Chlorobromomethane	\$77.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		1/60	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1003
		GC-U	Passive Sampler: Assay 525 TraceAir II OVM		No	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 74-97-5							No interferences reported.	
for analysis of additional analytes ar Organic Solvents \$35.00 Isocyanates \$60.00	e discounted as Acids/Anion Aldehydes	follows: is \$44.00 \$60.00	more than one analyte on certain sampling me Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove inte			Assay 581/58 Disposable resp [4] VOLUME/TIM NA = not applic	RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the 4/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. birable samplers (DRS) are \$17.00 each. E: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive sa able. lost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, becar	mpling.
[2] COMPATIBILITY CODES: Compose NONE indicates that the analyte mu	ist be sampled a	alone.	Code" may be collected together. /air volumes, or sampling times for EACH comp	oound.		temperatures v	ary – Travelers IH Lab recommends shipping samples cold overnight to the Lab. IETHOD: Analytical methods are based on the listed references, but may be modified at the discretic	

TRAVELERS			inde				іп перше.	800-842-035
		Compat		TWA Flow Rate	STEL Flow Rate or	Air Volume or Sampling Time		Reference
Analyte Chlorodifluoromethane	Price [1] \$77.00	Code [2] GC 74	Media [3] Sorbent Tubes: Tandem 226-09	(LPM) 0.01/0.05	OK for Passive	for Passive [4]	Special Instructions/Interferences [5] Sample by placing 2 tubes in holders connected together. The tube closest to the	Method [6] TIC-GC-48:
Chlorodinuorometnane	\$77.00	GC /4	Charcoal tubes – 2 tubes in series	0.01/0.05		1/4	pump is the BACK. After sampling: separate, cap and label tubes FRONT and BACK. Refrigerate samples after collection and ship cold overnight to the Lab.	Modified NIOSH 1018
CAS RN: 75-45-6							No interferences reported.	
Chloroform	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2	0.2	10/50	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1003
		GC-U	Passive Sampler: Assay 566 OVM		No	90-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 67-66-3							No interferences reported.	
o-Chlorotoluene	\$55.00	GC-U	Sorbent Tubes: SKC 226–09 Charcoal tube	0.05/0.2		3/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified OSHA I House Method
		GC-U	Passive Sampler: Assay 566 OVM		No	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 95-49-8							No interferences reported.	
Chromium	\$36.00	ICP 001	Filter: MCE Filter (37 mm)	1/3		60 / 960	Routine shipping. Samples are acid digested and analyzed for total chromium. May be sampled using a PVC filter if particulate is also desired. Inhalable samples require a minimum volume of 800 L.	TIC-ICP-01: Modified OSHA I 125G/NIOSH 7300
CAS RN: 7440-47-3							No interferences reported.	
Chromium, Hexavalent (plating, welding, foundry)	\$78.00	NONE	Filter: PVC Filter (37 mm) - Preweighed	1/2	3	480/960	SHIP OVERNIGHT to the Lab immediately after sampling. Plating and welding samples should be stabilized within 6 and 8 days of collection respectively, RUSH ANALYSIS FEES MAY APPLY.	TIC-IC-07: Modified OSHA I 215v.2
CAS RN: 18540-29-9							Iron, nickel, copper and vanadium compounds may interfere, note presence on the sampling data sheet. All hexavalent chromium compounds will be included.	
Chromium, Hexavalent (painting)	\$100.00	NONE	Filter: PVC Filter (37 mm) - Preweighed	1/2	3	800 / 960	Routine shipping. Request HEXAVALENT CHROMIUM - PAINTING on the sampling data sheet.	TIC-IC-07: Modified OSHA I 215v.2
CAS RN: 18540-29-9							Iron, nickel, copper and vanadium compounds may interfere, note presence on the sampling data sheet. All hexavalent chromium compounds will be included.	
Coal Tar Pitch Volatiles (Benzene-Soluble Fraction)	\$255.00	NONE	Filter: Glass Fiber Filter (37 mm)	1/2		960	Protect sample from sunlight during and after sampling. Transfer GF filter to a vial and refrigerate after sampling, ship cold overnight to the lab. Benzene–Soluble Fraction determined first (\$63), then for PAHs (\$192) if concentration is over the PEL.	TIC-LC-02: Modified OSHA 58
CAS RN: varies							Compounds soluble in benzene may interfere, note presence on the sampling data sheet.	
Cobalt	\$36.00	ICP 001	Filter: MCE Filter (37 mm)	1/3		300/960	Routine shipping. May be sampled using a PVC filter if particulate is also desired.	TIC-ICP-01: Modified OSHA I
CAS RN: 7440-48-4							No interferences reported.	125G/NIOSH 7300
Cobalt in the presence of Tungsten	\$80.00	WINSOL	Filter: MCE Filter (37 mm)	1/3		480/960	Routine shipping. Request IN THE PRESENCE OF TUNGSTEN on the sampling data sheet. Tungsten can also be quantified if requested.	TIC-ICP-02: Modified OSHA I 213
CAS RN: 7440-48-4							No interferences reported.	
for analysis of additional analytes are Organic Solvents \$35.00 Isocyanates \$60.00 Particulate, quartz and cristobalite o is an additional \$40 per sample. [2] COMPATIBILITY CODES: Compou NONE indicates that the analyte mu	e discounted as Acids/Anion Aldehydes on the same air s unds with the sa ist be sampled a	follows: s \$44.00 \$60.00 ample is \$12 me "Compat. alone.	t more than one analyte on certain sampling me Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove into Code" may be collected together. //air volumes, or sampling times for EACH comp	erferences		Assay 581/58 Disposable resp [4] VOLUME/TIM NA = not applic [5] HANDLING: M temperatures v	RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the 4/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. oirable samplers (DRS) are \$17.00 each. E: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive sa able. lost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, beca ary - Travelers IH Lab recommends shipping samples cold overnight to the Lab. IETHOD: Analytical methods are based on the listed references, but may be modified at the discretion	mpling. use shipping

TRAVELERSJ			INDC			LABORATO		800-842-035
	B (14]	Compat	M // [9]	TWA Flow Rate	STEL Flow Rate or	Air Volume or Sampling Time		Reference
Analyte Copper	Price [1] \$36.00	Code [2]	Media [3] Filter: MCE Filter (37 mm)	(LPM) 1/3	OK for Passive	for Passive [4]	Special Instructions/Interferences [5] Routine shipping. If total particulate is also desired, sample using a Preweighed PVC filter. Respirable samples may be collected at a 2.0 LPM flow rate on a preweighed Disposable Respirable Sampler (DRS) – see Particulate, Respirable instructions.	Method [6] TIC-ICP-01: Modified OSHA 125G/NIOSH 7300
CAS RN: 7440-50-8							No interferences reported.	
Cresol, all isomers	\$80.00	LC-PHE	Sorbent Tubes: SKC 226-95 XAD-7 tube	0.05/0.1		6/24	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-LC-22: Modified OSH, 32
							Other phenolic compounds may interfere, note presence on the sampling data sheet.	
CAS RN: 1319-77-3	475.00							
Cristobalite, Respirable	\$75.00	XRD	Filter: Disposable Respirable Sampler (DRS)	2		840/960	Routine shipping. Using a 2.0 LPM flow rate is CRITICAL when using a Disposable Respirable Sampler (DRS). Request RESPIRABLE SILICA (quartz and cristobalite). Respirable samplers (DRS) are billed \$17 each when shipped.	TIC-XRD-01: Modified NIOSH 7500
CAS RN: 14464-46-1							Note interferences on the sampling data sheet: mica, potash, feldspar, zircon, graphite, aluminosilicate, calcite. High dust loading may increase the MRL. If needed, acid treatment to remove interferences is an additional \$40 per sample.	
Crotonaldehyde	\$100.00	LC-ALD1	Sorbent Tubes: SKC 226-119 Coated silica gel tube followed by SKC 226- 09 Charcoal tube	0.05 / 0.2	0.5	2/15	Keep media frozen before and after sampling. Ship samples cold overnight to the Lab. Sample by placing 2 tubes in holders connected together. The charcoal tube (closest to the pump) is disposed.	TIC-LC-01: Modified EPA IP 6A
		DNPH1	Passive Sampler: Assay 571 Aldehyde Monitor		No	30-600 mins	Avoid temperatures exceeding 90°F. During the summer months ship samples overnight to the lab. Call for info regarding sampling other aldehydes. Use Assay 581 TraceAir II OVM for STEL sampling.	
CAS RN: 4170-30-3							Other aldehydes, ketones and ozone react with and consume the DNPH. Ozone can degrade the aldehyde-DNPH derivative.	
Cumene	\$55.00	GC-U	Sorbent Tubes: SKC 226–09 Charcoal tube	0.01/0.2		2/30	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1501
		GC-U	Passive Sampler: Assay 566 OVM		No	60-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 98-82-8							No interferences reported.	
Cyanide Salts as CN	\$80.00	NONE	Filter: PVC Filter (37 mm)	0.5/1		10/480	SHIP OVERNIGHT to the Lab immediately after sampling. Cyanide salt samples should be analyzed within 5 days of collection, RUSH ANALYSIS FEES MAY APPLY.	TIC-IC-12: Modified NIOSH 7904
CAS RN: 57-12-5							All particulate cyanide compounds are detected. Particulate and gaseous cyanide can be collected together on a PVC filter followed by an SKC 226–210 tube using a 0.2 LPM flow rate – see Hydrogen cyanide.	
Cyclohexane	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		3/9	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1500
		GC-U	Passive Sampler: Assay 566 OVM		No	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 110-82-7							No interferences reported.	
for analysis of additional analytes Organic Solvents \$35.00 Isocyanates \$60.00	are discounted as Acids/Anior Aldehydes	follows: ns \$44.00 \$60.00	more than one analyte on certain sampling me Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove intr	-		Assay 581/58 Disposable resp	RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the 4/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. birable samplers (DRS) are \$17.00 each. E: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive sa able.	
is an additional \$40 per sample. 2] COMPATIBILITY CODES: Comp NONE indicates that the analyte r	ounds with the sa nust be sampled	ame "Compat. alone.				[5] HANDLING: M temperatures v	lost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, becar ary – Travelers IH Lab recommends shipping samples cold overnight to the Lab. IETHOD: Analytical methods are based on the listed references, but may be modified at the discretic	

TRAVELERS J			INDU			ABORATO	JR I IH Helpline: 3	800-842-035
		Compat		TWA Flow Rate	STEL Flow Rate or	Air Volume or Sampling Time		Reference
Analyte Cyclohexanol	Price [1] \$55.00	Code [2] GC-U	Media [3] Sorbent Tubes: SKC 226-09 Charcoal tube	(LPM) 0.01/0.2	OK for Passive	for Passive [4] 2 / 10	Special Instructions/Interferences [5] Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	Method [6] TIC-GC-86: Modified NIOS 1402
		GC-U	Passive Sampler: Assay 566 OVM		No	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 108-93-0							No interferences reported.	
Cyclohexanone	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2	0.2	6/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOS 1300
		GC-U	Passive Sampler: Assay 566 OVM		No	30-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 108-94-1							No interferences reported.	
Cyclohexene	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		3/7	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSI 1500
		GC-U	Passive Sampler: Assay 566 OVM		No	30-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 110-83-8							No interferences reported.	
Cyclohexylamine	\$90.00	AMINE2	Sorbent Tubes: SKC 226-98 Coated XAD-7 tube	0.05/0.2	0.2	20	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-20: Modified OSH/ PV2016
CAS RN: 108-91-8							Other amine compounds may interfere, note presence on the sampling data sheet.	
Cyclopentane	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		3/7	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSI 1500
		GC-U	Passive Sampler: Assay 525 TraceAir II OVM		No	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 287-92-3							No interferences reported.	
Desflurane	\$77.00	NONE	Sorbent Tubes: SKC 226-83 Anasorb 747 tube	0.05		2/3	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-02: Modified OSH/ 106
		NONE	Passive Sampler: SKC 575-002 Anasorb 747 Sampler		No	30-240 mins	Bring sampler to AMBIENT TEMPERATURE before sampling. Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 57041-67-5							No interferences reported.	
for analysis of additional analytes are Organic Solvents \$35.00 Isocyanates \$60.00 Particulate, quartz and cristobalite o is an additional \$40 per sample. [2] COMPATIBILITY CODES: Compou NONE indicates that the analyte mu	e discounted as Acids/Anior Aldehydes In the same air s Inds with the sa st be sampled	follows: s \$44.00 \$60.00 sample is \$12 me "Compat. alone.	t more than one analyte on certain sampling me Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove inte Code" may be collected together. ;/air volumes, or sampling times for EACH comp	erferences		Assay 581/584 Disposable resp [4] VOLUME/TIM NA = not applic [5] HANDLING: M temperatures v	RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the 4/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. birable samplers (DRS) are \$17.00 each. E: recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive sar able. lost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, becau ary – Travelers IH Lab recommends shipping samples cold overnight to the Lab. IETHOD: Analytical methods are based on the listed references, but may be modified at the discretion	npling. se shipping

•		INDU	SIRIAL	HYGIENEI	ABORAT	JRY IH Helpline:	800-842-035
Price [1]	Compat Code [2]	Media [3]	TWA Flow Rate (LPM)	STEL Flow Rate or OK for Passive	Air Volume or Sampling Time for Passive [4]	Special Instructions/Interferences [5]	Reference Method [6]
\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		2/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSI 1402
	GC-U	Passive Sampler: Assay 566 OVM		No	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
						No interferences reported.	
\$110.00	GC 8	Sorbent Tubes: SKC 226-183 Silica gel tubes - set of two separate tubes in series	0.05 / 0.2	0.2	6/9	Protect samples from light during and after sampling (wrap the tubes in aluminum foil). Sample by placing 2 tubes in holders connected together. After sampling: separate, cap and label tubes FRONT and BACK (closest to the pump).	TIC-GC-84: Modified OSHA 1012
						No interferences reported.	
\$80.00	NONE	Filter & Tube: SKC 226-57 XAD-7 OVS	1		100	Refrigerate samples after collection and ship cold overnight to the Lab. The sampler contains a filter and sorbent material in a single tube.	TIC-GC-52: Modified OSHA PV2108
						No interferences reported.	
\$80.00	GCPH	Filter & Tube: SKC 226-56 Tenax OVS	0.5/1		50/300	Routine shipping. The sampler contains a filter and sorbent material in a single tube.	TIC-GC-27: Modified OSHA 104
						Other phthalates will collect, note presence on the sampling data sheet.	
\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2	0.2	3/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1003
	GC-U	Passive Sampler: Assay 566 OVM		Yes	30-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
						No interferences reported.	
\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		6/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1003
	GC-U	Passive Sampler: Assay 566 OVM		No	120-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
						No interferences reported.	
\$77.00	GC 74	Sorbent Tubes: Tandem SKC 226-09 Charcoal tubes - 2 tubes in series	0.01/0.05		1/4	Sample by placing 2 tubes in holders connected together. The tube closest to the pump is the BACK. After sampling: separate, cap and label tubes FRONT and BACK. Refrigerate samples after collection and ship cold overnight to the Lab.	TIC-GC-48: Modified NIOSH 1018
						No interferences reported.	
\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		1/15	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1003
	GC-U	Passive Sampler: Assay 566 OVM		No	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
						No interferences reported.	
e discounted as Acids/Anior Aldehydes n the same air s nds with the sa st be sampled a	s follows: 1s \$44.00 \$60.00 sample is \$12 ame "Compat. alone.	Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove inte Code" may be collected together.	erferences		Assay 581/58 Disposable resp [4] VOLUME/TIM NA = not applic [5] HANDLING: M temperatures v	4/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. birable samplers (DRS) are \$17.00 each. IE: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive sa iable. lost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, becar ary - Travelers IH Lab recommends shipping samples cold overnight to the Lab.	mpling. use shipping
	\$110.00 \$110.00 \$80.00 \$80.00 \$55.00 \$55.00 \$55.00 \$55.00 \$55.00 \$55.00 \$55.00 \$55.00 \$10 \$55.00 \$10 \$55.00 \$10 \$55.00 \$10 \$55.00 \$10 \$10 \$10 \$10 \$10 \$10 \$10 \$	Price [1] Code [2] \$55.00 GC-U GC-U GC-U \$110.00 GC 8 \$80.00 NONE \$80.00 GCPH \$80.00 GC-U \$55.00 GC-U \$60.01 GC-U \$10 edw/des \$60.00 n the same air sample is \$12 Inds with the same "Compat. st be sampled alone. St be sample alone.	Price [1] Compat Code [2] Media [3] \$55.00 GC-U Sorbent Tubes: SKC 226-09 Charcoal tube GC-U Passive Sampler: Assay 566 OVM \$110.00 GC 8 Sorbent Tubes: SKC 226-183 Silica get tubes - set of two separate tubes in series \$80.00 NONE Filter & Tube: SKC 226-57 XAD-7 OVS \$80.00 GCPH Filter & Tube: SKC 226-56 Tenax OVS \$55.00 GC-U Sorbent Tubes: SKC 226-09 Charcoal tube \$55.00 GC-U Sorbent Tubes: SKC 226-09 Charcoal tube \$55.00 GC-U Sorbent Tubes: SKC 226-09 Charcoal tube \$55.00 GC-U Passive Sampler: Assay 566 OVM \$55.00 GC-U Passive Sampler: Assay 566 OVM \$77.00 GC 74 Sorbent Tubes: Tandem SKC 226-09 Charcoal tubes - 2 tubes in series \$55.00 GC-U Sorbent Tubes: SKC 226-09 Charcoal tube \$77.00 GC 74 Sorbent Tubes: SKC 226-09 Charcoal tube \$65.00 GC-U Passive Sampler: Assay 566 OVM \$77.00 GC-U Sorbent Tubes: SKC 226-09 Charcoal tube \$60.00 Sitca (see below) \$25.00 <	Compate TWA Flow Rate (LPM) \$55:00 GC-U Sorbent Tubes: SKC 226-09 Charcoal tube 0.01 / 0.2 tube GC-U Passive Sampler: Assay 566 OVM 0.05 / 0.2 get tubes - set of two separate tubes in series 0.05 / 0.2 get tubes - set of two separate tubes 0.05 / 0.2 get tubes - set of two separate tubes \$80.00 NONE Filter & Tube: SKC 226-57 XAD-7 1 \$80.00 GC-H Filter & Tube: SKC 226-56 Tenax OVS 0.5 / 1 \$80.00 GC-H Filter & Tube: SKC 226-09 Charcoal 0.01 / 0.2 tube \$80.00 GC-H Filter & Tube: SKC 226-09 Charcoal 0.01 / 0.2 tube \$55.00 GC-U Sorbent Tubes: SKC 226-09 Charcoal 0.01 / 0.2 tube \$55.00 GC-U Passive Sampler: Assay 566 OVM 0.01 / 0.2 tube \$77.00 GC 74 Sorbent Tubes: Tandem SKC 226-09 Charcoal 0.01 / 0.2 tube \$55.00 GC-U Passive Sampler: Assay 566 OVM 0.01 / 0.2 tube \$77.00 GC 74 Sorbent Tubes: SKC 226-09 Charcoal 0.01 / 0.2 tube \$77.00 GC 74 Sorbent Tubes: SKC 226-09 Charcoal 0.01 / 0.2 tube \$60.00	Price 11 (Source 12) Compat (Source 12) STEL (Source 12) Stel (Sourc	Compat Price [1] 555:00 Compat Code [2] 6C-U Media [3] Media [3] bit we Sorbent Tubes: SKC 226-09 Charcoal GC-U O.01 / D.2 Passive Sampler: Assay 566 OVM No 15-720 mins \$110:00 GC-8 Sorbent Tubes: SKC 226-183 Silica get tubes - set of two separate tubes in series 0.05 / D.2 Sorbent Tubes: SKC 226-57 XAD-7 OVS 0.2 6 / 9 Sorbent Tubes: SKC 226-57 XAD-7 OVS 1 100 \$80:00 NONE Filter & Tube: SKC 226-56 Tenax OVS OVS 0.5 / 1 50 / 300 \$80:00 GC-U Sorbent Tubes: SKC 226-56 Tenax OVS OVS 0.5 / 1 50 / 300 \$80:00 GC-U Sorbent Tubes: SKC 226-50 Charcoal tube 0.01 / 0.2 0.2 3 / 10 \$80:00 GC-U Passive Sampler: Assay 566 OVM Yes 30-720 mins \$55:00 GC-U Passive Sampler: Assay 566 OVM No 120-720 mins \$55:00 GC-U Passive Sampler: Assay 566 OVM No 120-720 mins \$55:00 GC-U Passive Sampler: Assay 566 OVM No 120-720 mins \$55:00 GC-U Passive Sampler: Assay 566 OVM No 12-720 mins \$55:00 GC-U	Prior E Prior Aug Prior Aug

TRAVELERS J			INDU	SIRIAL	HIGIENE	LABORATO	JRY IH Helpline:	800-842-035
Analyte	Price [1]	Compat Code [2]	Media [3]	TWA Flow Rate (LPM)	STEL Flow Rate or OK for Passive	Air Volume or Sampling Time for Passive [4]	Special Instructions/Interferences [5]	Reference Method [6]
1,2-Dichloroethane	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2	0.2	1/50	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1003
		GC-U	Passive Sampler: Assay 566 OVM		No	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 107-06-2							No interferences reported.	
1,1-Dichloroethylene	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		8	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1015
		GC-U	Passive Sampler: Assay 566 OVM		No	180-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 75-35-4							No interferences reported.	
1,2-Dichloroethylene (cis and trans isomers)	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		1/5	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1003
		GC-U	Passive Sampler: Assay 566 OVM		No	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 540-59-0							n-Propyl bromide may interfere, note presence on the sampling data sheet. Isomers (cis and trans) are combined in a single result.	
Diethanolamine	\$100.00	IC 2	Sorbent Tubes: SKC 226-98 Coated XAD-7 tube	0.2		50/96	Routine shipping.	TIC-IC-11: Modified NIOSH 3509
CAS RN: 111-42-2							Other amine compounds may interfere, note presence on the sampling data sheet.	
Diethylamine	\$110.00	AMINE3	Sorbent Tubes: SKC 226-96 Coated XAD-7 tube	0.01/0.2	0.2	6/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-LC-07: Modified OSHA 41
CAS RN: 109-89-7							Other amine compounds may interfere, note presence on the sampling data sheet.	
Diethylbenzenes (o-, m-, and p- isomers)	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		3/23	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1501
CAS RN: 25340-17-4							No interferences reported.	
Diethylene glycol	\$80.00	GC 12	Filter & Tube: SKC 226-57 XAD-7 OVS	0.5/2		25/60	Refrigerate samples after collection and ship cold overnight to the Lab. The sampler contains a filter and sorbent material in a single tube.	TIC-GC-17: Modified NIOSH 5523
CAS RN: 111-46-6							No interferences reported.	
Diethylene glycol monobutyl ether	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.05 / 0.2		6/12	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified OSHA PV2095
		GC-U	Passive Sampler: Assay 566 OVM		No	60-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 112-34-5							No interferences reported.	
for analysis of additional analytes a Organic Solvents \$35.00 Isocyanates \$60.00	re discounted as Acids/Anior Aldehydes	s follows: ns \$44.00 \$60.00	more than one analyte on certain sampling me Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove inte	-		Assay 581/58 Disposable res [4] VOLUME/TIM NA = not applic	 RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the 4/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. pirable samplers (DRS) are \$17.00 each. IE: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive sa table. Nost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, becar 	mpling.
[2] COMPATIBILITY CODES: Compo NONE indicates that the analyte m	ust be sampled	alone.	Code" may be collected together. /air volumes, or sampling times for EACH comp	oound.		temperatures v	arry – Travelers IH Lab recommends shipping samples cold overlight to the Lab. IETHOD: Analytical methods are based on the listed references, but may be modified at the discretic	
Prices subject to change without notic	e. © 2024 Th	ne Travelers In	demnity Company. All rights reserved. Travelers	and the Travele	ers Umbrella logo a	re registered trader	narks of The Travelers Indemnity Company in the US and other countries.	

TRAVELERS			INDU	STRIAL	HYGIENE I	LABORATO	DRY IH Helpline:	800-842-035
Analyte	Price [1]	Compat Code [2]	Media [3]	TWA Flow Rate (LPM)	STEL Flow Rate or OK for Passive	Air Volume or Sampling Time for Passive [4]	Special Instructions/Interferences [5]	Reference Method [6]
Diethylene glycol monobutyl ether acetate	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.05 / 0.2		6/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified OSHA PV2095
CAS RN: 124-17-4							No interferences reported.	
Diethylene glycol monoethyl ether	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		3/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified OSHA PV2013
		GC-U	Passive Sampler: Assay 566 OVM		No	30-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 111-90-0							No interferences reported.	
Diethylene glycol monoethyl ether acetate	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		3/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified OSHA PV2013
		GC-U	Passive Sampler: Assay 566 OVM		No	60-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 112-15-2							No interferences reported.	
Diethylene glycol monomethyl ether	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		3/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified OSHA PV2013
CAS RN: 111-77-3							No interferences reported.	
Diethylene triamine	\$110.00	NONE	Sorbent Tubes: SKC 226-30-18 Coated XAD-2 tube	0.01/0.1		6/20	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-LC-14: Modified OSHA 60/NIOSH 2540
CAS RN: 111-40-0							Other amine compounds may interfere, note presence on the sampling data sheet.	
Di-(2-ethylhexyl) phthalate	\$80.00	GCPH	Filter & Tube: SKC 226-56 Tenax OVS	0.5/1		360 / 600	Refrigerate samples after collection and ship cold overnight to the Lab. The sampler contains a filter and sorbent material in a single tube.	TIC-GC-27: Modified OSHA 104
CAS RN: 117-81-7							Other phthalates will collect, note presence on the sampling data sheet.	
Diethyl phthalate	\$80.00	GCPH	Filter & Tube: SKC 226-56 Tenax OVS	0.5/1		50/300	Routine shipping. The sampler contains a filter and sorbent material in a single tube.	TIC-GC-27: Modified OSHA
CAS RN: 84-66-2							Other phthalates will collect, note presence on the sampling data sheet.	104
Diisobutyl ketone	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		3/25	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1300
		GC-U	Passive Sampler: Assay 566 OVM		No	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 108-83-8							No interferences reported.	
for analysis of additional analytes are Organic Solvents \$35.00 Isocyanates \$60.00 Particulate, quartz and cristobalite or is an additional \$40 per sample. [2] COMPATIBILITY CODES: Compou NONE indicates that the analyte mu:	discounted as Acids/Anior Aldehydes n the same air nds with the sa st be sampled	s follows: ns \$44.00 \$60.00 sample is \$12 nme "Compat. alone.	t more than one analyte on certain sampling me Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove inte Code" may be collected together. //air volumes, or sampling times for EACH comp	rferences		Assay 581/58 Disposable resp [4] VOLUME/TIM NA = not applic [5] HANDLING: M temperatures v	RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the 4/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. irrable samplers (DRS) are \$17.00 each. E: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive sa able. lost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, becau ary - Travelers IH Lab recommends shipping samples cold overnight to the Lab.	mpling. use shipping

TRAVELERS J			INDU	SIRIAL	HYGIENE	LABORATO	JRY IH Helpline: 8	800-842-035
Analyte	Price [1]	Compat Code [2]	Media [3]	TWA Flow Rate (LPM)	STEL Flow Rate or OK for Passive	Air Volume or Sampling Time for Passive [4]	Special Instructions/Interferences [5]	Reference Method [6]
1,2-Dimethoxyethane	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2	0.2	8/20	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modifed NIOSH 1400
		GC-U	Passive Sampler: Assay 566 OVM		No	240-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 110-71-4							Isopropyl alcohol, dichloromethane and dimethyl ether may interfere, note presence on the sampling data sheet.	
Dimethyl acetamide	\$64.00	GC 12	Sorbent Tubes: SKC 226-10 Silica gel tube	0.01/1		3 / 80	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-53: Modified NIOSH 2004
		GC-U	Passive Sampler: Assay 566 OVM		No	60-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 127-19-5							No interferences reported.	
Dimethylamine	\$110.00	NONE	Sorbent Tubes: SKC 226-96 Coated XAD-7 tube	0.1/0.2	0.2	5/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-LC-07: Modified OSHA 34
CAS RN: 124-40-3							Other amine compounds may interfere, note presence on the sampling data sheet.	
Dimethyl disulfide	\$125.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.1		16/20	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: In House Method
CAS RN: 624-92-0							No interferences reported.	
Dimethylformamide	\$64.00	GC 12	Sorbent Tubes: SKC 226-10 Silica gel tube	0.05/1		4/80	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-53: Modified NIOSH 2004
		GC-H	Passive Sampler: Assay 566 OVM		No	180-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 68-12-2							No interferences reported.	
Dimethyl phthalate	\$80.00	GCPH	Filter & Tube: SKC 226-56 Tenax OVS	0.5/1		50 / 300	Refrigerate samples after collection and ship cold overnight to the Lab. The sampler contains a filter and sorbent material in a single tube.	TIC-GC-27: Modified OSHA 104
CAS RN: 131-11-3							Other phthalates will collect, note presence on the sampling data sheet.	
Dimethyl sulfide	\$125.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.1		10/12	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified OSHA PV2210
CAS RN: 75-18-3							No interferences reported.	
Di-n-octyl phthalate	\$80.00	GCPH	Filter & Tube: SKC 226-56 Tenax OVS	0.5/1		50/300	Routine shipping. The sampler contains a filter and sorbent material in a single tube.	TIC-GC-27: Modified OSHA 104
CAS RN: 117-84-0							Other phthalates will collect, note presence on the sampling data sheet.	
for analysis of additional analytes Organic Solvents \$35.00 Isocyanates \$60.00 Particulate, quartz and cristobalite	are discounted as Acids/Anior Aldehydes	s follows: ns \$44.00 \$60.00	t more than one analyte on certain sampling me Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove inte			Assay 581/58 Disposable resp [4] VOLUME/TIM NA = not applic		npling.
is an additional \$40 per sample. [2] COMPATIBILITY CODES: Comp NONE indicates that the analyte r If sampling for two or more comp	nust be sampled	alone.	Code" may be collected together. s/air volumes, or sampling times for EACH comp	oound.		temperatures v	Nost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, becau vary – Travelers IH Lab recommends shipping samples cold overnight to the Lab. METHOD: Analytical methods are based on the listed references, but may be modified at the discretion	
Prices subject to change without not	ice. © 2024 Tł	ne Travelers In	demnity Company. All rights reserved. Travelers	s and the Travel	ers Umbrella logo a	re registered trader	marks of The Travelers Indemnity Company in the US and other countries.	

TRAVELERS			INDU	ISTRIALI	HYGIENE	LABORATO	DRY IH Helpline:	800-842-035
IRAVELERSJ		Compat		TWA Flow Rate	STEL Flow Rate or	Air Volume or Sampling Time		Reference
Analyte	Price [1]	Code [2]	Media [3]	(LPM)	OK for Passive		Special Instructions/Interferences [5]	Method [6]
1,4-Dioxane	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		0.5 / 15	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1602
		GC-U	Passive Sampler: Assay 566 OVM		No	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 123-91-1							No interferences reported.	
1,3-Dioxolane	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.05/0.2		6/15	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: In House Method
		GC-U	Passive Sampler: Assay 566 OVM		No	60-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 646-06-0							No interferences reported.	
Dipropylene glycol methyl ether	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.05/0.1	0.1	1/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified OSHA 101
		GC-U	Passive Sampler: Assay 566 OVM		No	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 34590-94-8							No interferences reported.	
Dipropylene glycol methyl ether acetate	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		6/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified OSHA 101
		GC-U	Passive Sampler: Assay 566 OVM		No	60-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 88917-22-0							No interferences reported.	
Divinyl benzene	\$60.00	GC 11	Sorbent Tubes: SKC 226-73 Coated charcoal tube	0.01/0.05		2/18	Keep media cold before and after sampling. Ship samples cold overnight to the Lab, do not ship on Fridays.	TIC-GC-86: Modified OSHA 89
CAS RN: 1321-74-0							No interferences reported.	
Enflurane	\$77.00	AnestCS2	Sorbent Tubes: SKC 226-83 Anasorb 747 tube	0.05	0.05	2/14	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-02: Modified OSHA 103
		GC-E	Passive Sampler: SKC 575-002 Anasorb 747 Sampler		No	30-240 mins	Bring sampler to AMBIENT TEMPERATURE before sampling. Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab. Cannot quantify low enough for comparison to NIOSH REL.	
CAS RN: 13838-16-9							No interferences reported.	
1] ADDITIONAL ANALYTES: Becaus for analysis of additional analytes ar Organic Solvents \$35.00 Isocyanates \$60.00 Particulate, quartz and cristobalite is an additional \$40 per sample. 2] COMPATIBILITY CODES: Compo NONE indicates that the analyte mi	e discounted as Acids/Anion Aldehydes on the same air unds with the sa ust be sampled	s follows: ns \$44.00 \$60.00 sample is \$120 ame "Compat. alone.	more than one analyte on certain sampling me Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove inte Code" may be collected together. /air volumes, or sampling times for EACH comp	erferences		Assay 581/58 Disposable resp [4] VOLUME/TIM NA = not applic [5] HANDLING: M temperatures v	RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the 4/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. birable samplers (DRS) are \$17.00 each. E: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive sar able. ost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, becau ary - Travelers IH Lab recommends shipping samples cold overnight to the Lab.	npling. Ise shipping

TRAVELERS J			INDO			LABORATO		800-842-035
Analyte	Price [1]	Compat Code [2]	Media [3]	TWA Flow Rate (LPM)	STEL Flow Rate or OK for Passive	Air Volume or Sampling Time for Passive [4]	Special Instructions/Interferences [5]	Reference Method [6]
Epichlorohydrin	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		40/95	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOS 1010
		GC-U	Passive Sampler: Assay 525 TraceAir II OVM		No	480-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 106-89-8							No interferences reported.	
Ethanolamine	\$100.00	IC 2	Sorbent Tubes: SKC 226-98 Coated XAD-7 tube	0.2	0.2	50/96	Routine shipping.	TIC-IC-11: Modified NIOS 3509
CAS RN: 141-43-5							Other amine compounds may interfere, note presence on the sampling data sheet.	
2-Ethoxyethanol	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.1		16/48	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified OSHA 53/NIOSH 140
		GC-U	Passive Sampler: Assay 566 OVM		No	120-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 110-80-5							No interferences reported.	
2-Ethoxyethyl acetate	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.1		10/48	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSI 1450
		GC-U	Passive Sampler: Assay 566 OVM		No	120-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 111-15-9							No interferences reported.	
Ethyl acetate	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		1/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSI 1457
		GC-U	Passive Sampler: Assay 566 OVM		No	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 141-78-6							No interferences reported.	
Ethyl acrylate	\$55.00	GC 4	Sorbent Tubes: SKC 226-73 Coated charcoal tube	0.01/0.05	0.05	6/12	Keep media cold before and after sampling. Ship samples cold overnight to the Lab, do not ship on Fridays.	TIC-GC-01: Modified OSH/ 92
		GC-U	Passive Sampler: Assay 566 OVM		Yes	30-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 140-88-5							No interferences reported.	
Ethyl alcohol	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.05	0.05	1/3	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSI 1400
		GC-U	Passive Sampler: Assay 566 OVM		Yes	15-180 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 64-17-5							Dichloromethane (methylene chloride) may interfere, note presence on the sampling data sheet.	
for analysis of additional analytes Organic Solvents \$35.00 Isocyanates \$60.00 Particulate, quartz and cristobalitt is an additional \$40 per sample. [2] COMPATIBLITY CODES: Comp NONE indicates that the analyte r	are discounted as Acids/Anior Aldehydes e on the same air ounds with the sa nust be sampled	s follows: ns \$44.00 \$60.00 sample is \$12 ame "Compat. alone.	t more than one analyte on certain sampling mer Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove inte Code" may be collected together. //air volumes, or sampling times for EACH comp	erferences		Assay 581/58 Disposable resp [4] VOLUME/TIM NA = not applic [5] HANDLING: M temperatures v	RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the 4/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. birable samplers (DRS) are \$17.00 each. E: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive sa able. lost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, becal ary - Travelers IH Lab recommends shipping samples cold overnight to the Lab.	mpling. use shipping

TRAVELERS			INDU	STRIAL	HYGIENE	LABORATO	JRY IH Helpline: 8	800-842-035
	Duine [1]	Compat	Madia [3]	TWA Flow Rate	STEL Flow Rate or	Air Volume or Sampling Time	Consider Instructions //stanformans [5]	Reference
Analyte Ethylamine	Price [1] \$110.00	Code [2] AMINE3	Media [3] Sorbent Tubes: SKC 226-96 Coated XAD-7 tube	(LPM) 0.01/0.2	OK for Passive 0.2	for Passive [4] 6 / 10	Special Instructions/Interferences [5] Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	Method [6] TIC-LC-07: Modified OSHA 36
CAS RN: 75-04-7							Other amine compounds may interfere, note presence on the sampling data sheet.	
Ethyl amyl ketone	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		5/25	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1301
CAS RN: 106-68-3							No interferences reported.	
Ethyl benzene	\$55.00	GC-U	Sorbent Tubes: SKC 226–09 Charcoal tube	0.01/0.2		3/24	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1501
		GC-U	Passive Sampler: Assay 566 OVM		No	30-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 100-41-4							No interferences reported.	
Ethyl butyl ketone	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2	0.2	3/25	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1301
CAS RN: 106-35-4							No interferences reported.	
Ethyl cyanoacrylate	\$95.00	CYANO	Sorbent Tubes: SKC 226-98 Coated XAD-7 tube	0.05/0.1		20/24	Ship overnight to the lab on DRY ICE, do not ship on Fridays.	TIC-LC-21: Modified OSHA 55
CAS RN: 7085-85-0							No interferences reported.	
Ethylenediamine	\$110.00	NONE	Sorbent Tubes: SKC 226-30-18 Coated XAD-2 tube	0.01/0.1		1/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-LC-14: Modified OSHA 60/NIOSH 2540
CAS RN: 107-15-3							Other amine compounds may interfere, note presence on the sampling data sheet.	
Ethylene glycol	\$80.00	GC 12	Filter & Tube: SKC 226-57 XAD-7 OVS	0.5/2	2	20/60	Refrigerate samples after collection and ship cold overnight to the Lab. The sampler contains a filter and sorbent material in a single tube.	TIC-GC-17: Modified NIOSH 5523
CAS RN: 107-21-1							No interferences reported.	
Ethylene oxide	\$105.00	NONE	Sorbent Tubes: SKC 226-178 Coated Anasorb 747 tube	0.02/0.05	0.05	8/24	Keep media cold before and after sampling. Ship samples cold overnight to the Lab, do not ship on Fridays.	TIC-GC-34: Modified OSHA 1010
		NONE	Passive Sampler: SKC 575-005 EtO Sampler		No	180-480 mins	Keep media cold before and after sampling. Ship samples cold overnight to the Lab, do not ship on Fridays.	
							2-Bromoethanol is a positive interference, note presence on the sampling data sheet.	
CAS RN: 75-21-8								
for analysis of additional analytes ar Organic Solvents \$35.00 Isocyanates \$60.00	e discounted as Acids/Anion Aldehydes	follows: s \$44.00 \$60.00	t more than one analyte on certain sampling me Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove inte			Assay 581/584 Disposable resp [4] VOLUME/TIM NA = not applic	RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the 1/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. irrable samplers (DRS) are \$17.00 each. E: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive sar able. ost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, becau	npling.
[2] COMPATIBILITY CODES: Compound NONE indicates that the analyte mu	ust be sampled a	alone.	Code" may be collected together. :/air volumes, or sampling times for EACH comp	bound.		temperatures v	ary - Travelers IH Lab recommends shipping samples cold overnight to the Lab. IETHOD: Analytical methods are based on the listed references, but may be modified at the discretio	

TRAVELERS J			INDO	SIRIAL	HIGIENE I	ABORATO	IH Helpline:	800-842-035
Analyte	Price [1]	Compat Code [2]	Media [3]	TWA Flow Rate (LPM)	STEL Flow Rate or OK for Passive	Air Volume or Sampling Time for Passive [4]	Special Instructions/Interferences [5]	Reference Method [6]
Ethyl ether	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2	0.2	1/3	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1610
		GC-U	Passive Sampler: Assay 566 OVM		Yes	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 60-29-7							HCFCs or hexane may interfere, note presence on the sampling data sheet.	
Ethyl-3-ethoxypropionate	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.1		2/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified OSHA PV2025
		GC-U	Passive Sampler: Assay 566 OVM		No	30-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 763-69-9							No interferences reported.	
Ethyl formate	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2	0.2	1/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSI 1452
CAS RN: 109-94-4							No interferences reported.	
Ethyl lactate	\$70.00	GC 9	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		8/12	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-73: Modified OSHA PV2081
		GC-H	Passive Sampler: Assay 566 OVM		No	60-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 97-64-3							No interferences reported.	
Ethyl mercaptan	\$115.00	GC-MER	Filter: SKC 225-9007 Mercaptan Filter	0.1/0.2	0.2	20/150	Keep media frozen and protected from light before and after sampling. Ship samples cold overnight to the Lab.	TIC-GC-37: Modified NIOSI 2542
CAC DN 75 00 1							Dimethyl disulfide, diethyl disulfide and dibutyl disulfide may interfere, note presence	
CAS RN: 75-08-1 Ethyl methacrylate	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.05/0.2		6/10	on the sampling data sheet. Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified OSHA PV2100
		GC-U	Passive Sampler: Assay 566 OVM		No	60-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 97-63-2							No interferences reported.	
Ethyl silicate	\$60.00	NONE	Sorbent Tubes: SKC 226-30-04 XAD- 2 tube	0.05		3/9	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-07: Modified NIOSI S264
CAS RN: 78-10-4							Other compounds may interfere. Note any compounds present in the environment on the sampling data sheet.	
11 ADDITIONAL ANALYTES: Becaus	se it is often pos	sible to collect	t more than one analyte on certain sampling me	dia, the charges		[3] PASSIVE AND	RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the	Lab.
for analysis of additional analytes a Organic Solvents \$35.00 Isocyanates \$60.00	re discounted as Acids/Anior Aldehydes	follows: ns \$44.00 \$60.00	Metals by ICP \$28.00 Silica (see below) \$25.00			Assay 581/584 Disposable resp [4] VOLUME/TIM	4/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. birable samplers (DRS) are \$17.00 each. E: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive sa	
Particulate, quartz and cristobalite of is an additional \$40 per sample. [2] COMPATIBILITY CODES: Compo			0.00 per sample. Acid treatment to remove inte Code" may be collected together.	enerences			able. lost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, becau ary - Travelers IH Lab recommends shipping samples cold overnight to the Lab.	ise shipping
NONE indicates that the analyte m If sampling for two or more compo			air volumes, or sampling times for EACH comp	oound.		[6] REFERENCE N	IETHOD: Analytical methods are based on the listed references, but may be modified at the discretic	n of Travelers.

TRAVELERS			INDU	ISTRIAL	HYGIENE	LABORATO	DRY IH Helpline:	800-842-0355
Analyte	Price [1]	Compat Code [2]	Media [3]	TWA Flow Rate (LPM)	STEL Flow Rate or OK for Passive	Air Volume or Sampling Time for Passive [4]	Special Instructions/Interferences [5]	Reference Method [6]
Fibers, Total	\$35.00	NONE	Filter: Fiber Count Filter (PCM) non- conductive cowl (25 mm) - Open- faced	1/3		240/960	Routine shipping.	TIC-PCM-01: NIOSH 7400 Issue 3
CAS RN: varies							Fibers meeting the counting criteria will be included in the results. Avoid overloading the filter, accurate counts are not possible with overloaded filters.	
Fluoride Particulate as F, Insoluble	\$125.00	NONE	Filter: SKC 225-9001 MCE Filter with coated pad	1/2		500 / 800	Request INSOLUBLE FLUORIDE PARTICULATE. If Hydrogen Fluoride is also desired, request Insoluble Fluoride Particulate and Hydrogen Fluoride as F. Price listed is for Fluoride Particulate only.	TIC-IC-14: Modified OSHA II 110
CAS RN: varies							Caustic compounds such as NaOH or KOH may cause an interference at high levels.	
Fluoride Particulate as F, Soluble	\$70.00	NONE	Filter: SKC 225-9001 MCE Filter with coated pad	1/2		500 / 800	Request SOLUBLE FLUORIDE PARTICULATE. If Hydrogen Fluoride is also desired, request Soluble Fluoride Particulate and Hydrogen Fluoride as F. Price listed is for Fluoride Particulate only.	TIC-IC-14: Modified NIOSH 7906
CAS RN: varies							Caustic compounds such as NaOH or KOH may cause an interference at high levels.	
	\$100.00	LC-ALD1	Sorbent Tubes: SKC 226-119 Coated silica gel tube followed by SKC 226- 09 Charcoal tube	0.05 / 0.5	0.5	10/25	Keep media frozen before and after sampling. Ship samples cold overnight to the Lab. Sample by placing 2 tubes in holders connected together. The charcoal tube (closest to the pump) is disposed.	TIC-LC-01: Modified EPA IP- 6A/NIOSH 2016
		DNPH1	Passive Sampler: Assay 571 Aldehyde Monitor		No	180-600 mins	Avoid temperatures exceeding 90°F. During the summer months ship samples overnight to the lab. Call for info regarding sampling other aldehydes. Use Assay 581 TraceAir II OVM for STEL sampling.	
CAS RN: 50-00-0							Other aldehydes, ketones and ozone react with and consume the DNPH. Ozone can degrade the aldehyde-DNPH derivative.	
Formic Acid	\$70.00	ICOA	Sorbent Tubes: ORBO 53 Specially cleaned silica gel tube	0.05/0.2	0.2	24	A PTFE prefilter can be used for the sampling and analysis of formate salts. Refrigerate samples after collection and ship cold overnight to the Lab.	TIC-IC-02: Modified NIOSH 2011
CAS RN: 64-18-6							Formate esters and formate salts may interfere, note presence on the sampling data sheet.	
Furfural	\$55.00	NONE	Sorbent Tubes: SKC 226-81A Anasorb 747 tube	0.1/1		120/180	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified OSHA 72
CAS RN: 98-01-1							No interferences reported.	
Furfuryl alcohol	\$70.00	NONE	Sorbent Tubes: SKC 226-115 Porapak Q tube	0.01/0.05	0.05	12/25	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-42: Modified NIOSH 2505
CAS RN: 98-00-0							No interferences reported.	
for analysis of additional analytes are Organic Solvents \$35.00 Isocyanates \$60.00 Particulate, quartz and cristobalite o is an additional \$40 per sample. [2] COMPATIBILITY CODES: Compou NONE indicates that the analyte mu	e discounted as Acids/Anior Aldehydes n the same air nds with the sa st be sampled	s follows: is \$44.00 \$60.00 sample is \$120 ime "Compat. alone.	more than one analyte on certain sampling me Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove inte Code" may be collected together. /air volumes, or sampling times for EACH comp	erferences		Assay 581/58 Disposable resp [4] VOLUME/TIM NA = not applic [5] HANDLING: M temperatures v	RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the 4/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. birable samplers (DRS) are \$17.00 each. IE: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive sa able. lost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, becau ary - Travelers IH Lab recommends shipping samples cold overnight to the Lab. AETHOD: Analytical methods are based on the listed references, but may be modified at the discretion of the same stable at the modified at the discretion of the same shipping samples cold overnight to the cab.	impling. use shipping

TRAVELERS	•		INDU	STRIAL	HYGIENE I	ABORATO	DRY IH Helpline: 8	IH Helpline: 800-842-0355	
I KAVELEKS J Analyte	Price [1]	Compat Code [2]	Media [3]	TWA Flow Rate (LPM)	STEL Flow Rate or OK for Passive	Air Volume or Sampling Time for Passive [4]	Special Instructions/Interferences [5]	Reference Method [6]	
Gasoline as Total Hydrocarbons	\$70.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2	0.2	10/20	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified OSHA PV2028	
		GC-U	Passive Sampler: Assay 566 OVM		Yes	60-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.		
CAS RN: 8006-61-9							Petroleum distillates (PDs) are complex mixtures, quantitation of individual analytes may not be possible. Specify the PD on the sampling data sheet (Gasoline, Stoddard, etc.). Multiple PDs are reported as Petroleum Distillate Fraction.		
Glutaraldehyde	\$100.00	LC-ALD1	Sorbent Tubes: SKC 226-119 Coated silica gel tube followed by SKC 226- 09 Charcoal tube	0.05/0.5	0.5	1/30	Keep media frozen before and after sampling. Ship samples cold overnight to the Lab. Sample by placing 2 tubes in holders connected together. The charcoal tube (closest to the pump) is disposed.	TIC-LC-01: Modified EPA IP 6A/NIOSH 253	
		DNPH1	Passive Sampler: Assay 571 Aldehyde Monitor		No	180-600 mins	Avoid temperatures exceeding 90°F. During the summer months ship samples overnight to the lab. Call for info regarding sampling other aldehydes.		
CAS RN: 111-30-8							Other aldehydes, ketones and ozone react with and consume the DNPH. Ozone can degrade the aldehyde-DNPH derivative.		
Halothane	\$77.00	AnestCS2	Sorbent Tubes: SKC 226-83 Anasorb 747 tube	0.05	0.05	6/19	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-02: Modified OSHA 103	
		GC-E	Passive Sampler: SKC 575-002 Anasorb 747 Sampler		No	180-480 mins	Bring sampler to AMBIENT TEMPERATURE before sampling. Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab. Cannot quantify low enough for comparison to NIOSH REL.		
CAS RN: 151-67-7							No interferences reported.		
n-Heptane	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2	0.2	2/4	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1500	
		GC-U	Passive Sampler: Assay 566 OVM		Yes	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.		
CAS RN: 142-82-5							No interferences reported.		
Hexachloroethane	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		20/70	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1003	
		GC-U	Passive Sampler: Assay 525 TraceAir II OVM		0	60-480 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.		
CAS RN: 67-72-1							No interferences reported.		
1,6-Hexamethylene diisocyanate	\$100.00	NCO	Filter: Isocyanate (NCO) Filter – Open- faced	0.5/1	1	120/240	Keep media cold before and after sampling. Before sampling: Remove the top of the 3- piece filter cassette (section w/o wagon wheel design). After sampling: Replace the top of the cassette and plugs. Ship samples cold overnight to the Lab.	TIC-LC-03: Modified OSHA 5002	
CAS RN: 822-06-0							Note presence of other isocyanates in the environment on the sampling data sheet.		
 ADDITIONAL ANALYTES: Because for analysis of additional analytes are Organic Solvents \$35.00 Isocyanates \$60.00 Particulate, quartz and cristobalite or is an additional \$40 per sample. COMPATIBILITY CODES: Compour NONE indicates that the analyte mus 	discounted as Acids/Anions Aldehydes In the same air sunds with the same at be sampled a	follows: s \$44.00 \$60.00 ample is \$120 me "Compat. Ilone.	more than one analyte on certain sampling mec Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove inte Code" may be collected together. /air volumes, or sampling times for EACH comp	rferences		Assay 581/584 Disposable resp [4] VOLUME/TIM NA = not applic [5] HANDLING: M temperatures v	RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the 1/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. birable samplers (DRS) are \$17.00 each. E: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive sar able. ost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, becau ary - Travelers IH Lab recommends shipping samples cold overnight to the Lab. IETHOD: Analytical methods are based on the listed references, but may be modified at the discretion	npling. se shipping	

TRAVELERS T			INDU	ISTRIAL	HYGIENE	ABORATO	DRY IH Helpline:	800-842-035
Analyte	Price [1]	Compat Code [2]	Media [3]	TWA Flow Rate (LPM)	STEL Flow Rate or OK for Passive	Air Volume or Sampling Time for Passive [4]	Special Instructions/Interferences [5]	Reference Method [6]
n-Hexane	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		3/5	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1500
		GC-U	Passive Sampler: Assay 566 OVM		No	30-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 110-54-3							HCFCs or ether may interfere, note presence on the sampling data sheet.	
Hexane (Other Isomers)	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2	0.2	1/5	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1500
		GC-U	Passive Sampler: Assay 566 OVM		No	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: varies							Analysis does not include n-hexane. HCFCs or ether may interfere, note presence on the sampling data sheet.	
1,6-Hexanediol Diacrylate	\$60.00	NONE	Sorbent Tubes: SKC 226-110 Chromosorb 106 tube	0.2		20/48	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified OSHA PV2133
CAS RN: 13048-33-4							No interferences reported.	
Hexylene glycol	\$80.00	NONE	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2	0.2	8/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-57: Modified OSHA PV2101
		NONE	Passive Sampler: Assay 566 OVM		No	240-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 107-41-5							No interferences reported.	
Hydrazine	\$110.00	NONE	Filter: PDA Filter or SKC 225-9012	0.10/1		40/240	Filters are special order and may not be readily available. After sampling avoid temperatures exceeding 90°F. Refrigerate samples after collection and ship cold overnight to the Lab.	TIC-LC-33: Modified OSHA 108
CAS RN: 302-01-2							Aromatic amines and monoethylhydrazine interfere, note presence on the sampling data sheet. Ammonia does not interfere.	
Hydrazoic Acid	\$90.00	NONE	Sorbent Tubes: SKC 226-55 Coated silica gel tube	NA	1	5	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-IC-19: Modified OSHA 211
CAS RN: 7782-79-8							Sodium azide converts to hydrazoic acid on contact with water. Particulate azide can be collected and analyzed using a PVC prefilter.	
Hydrogen Bromide	\$70.00	IC 1	Sorbent Tubes: ORBO 53 Specially cleaned silica gel tube	0.02/0.2	0.5	3/96	Routine shipping.	TIC-IC-01: Modified OSHA I 165SG
CAS RN: 10035-10-6							Other bromide compounds may interfere, note presence on the sampling data sheet.	
for analysis of additional analytes ar Organic Solvents \$35.00 Isocyanates \$60.00 Particulate, quartz and cristobalite of is an additional \$40 per sample. [2] COMPATIBILITY CODES: Compo NONE indicates that the analyte mi	e discounted as Acids/Anior Aldehydes on the same air s unds with the sa ust be sampled	s follows: ns \$44.00 \$60.00 sample is \$12 ame "Compat. alone.	more than one analyte on certain sampling me Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove inte Code" may be collected together. /air volumes, or sampling times for EACH comp	erferences	_	Assay 581/58 Disposable resp [4] VOLUME/TIM NA = not applic [5] HANDLING: M temperatures v	 RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the 4/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. pirable samplers (DRS) are \$17.00 each. IE: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive satable. Nost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, becarary – Travelers IH Lab recommends shipping samples cold overnight to the Lab. METHOD: Analytical methods are based on the listed references, but may be modified at the discretion of the samples are stable. 	ampling. use shipping

Media [3] Sorbent Tubes: ORBO 53 Specially cleaned silica gel tube Filter & Tube: PVC Filter followed by SKC 226-210 soda lime tube Filter: SKC 225-9001 MCE Filter with coated pad	TWA Flow Rate (LPM) 0.02 / 0.2 0.05 / 0.2	STEL Flow Rate or OK for Passive 0.5	Air Volume or Sampling Time for Passive [4] 7.5 / 96 15 / 90	Special Instructions/Interferences [5] Routine shipping. Other chloride compounds may interfere, note presence on the sampling data sheet. Routine shipping. Particulate cyanide (cyanide salts) is collected on the PVC filter and	Reference Method [6] TIC-IC-01: Modified OSHA II 174SG
cleaned silica gel tube Filter & Tube: PVC Filter followed by SKC 226-210 soda lime tube Filter: SKC 225-9001 MCE Filter with			,	Other chloride compounds may interfere, note presence on the sampling data sheet. Routine shipping. Particulate cyanide (cyanide salts) is collected on the PVC filter and	Modified OSHA II 174SG
SKC 226-210 soda lime tube Filter: SKC 225-9001 MCE Filter with	0.05 / 0.2	0.2	15/90	Routine shipping. Particulate cyanide (cyanide salts) is collected on the PVC filter and	
SKC 226-210 soda lime tube Filter: SKC 225-9001 MCE Filter with	0.05/0.2	0.2	15/90		
				can be analyzed for an additional charge – See Cyanide Salts as CN.	TIC-IC-12: Modified NIOSH 6017
				Hydrogen sulfide is a potential interference, note presence on the sampling data sheet. Cyanide salts decompose to hydrogen cyanide in humid atmospheres and may interfere.	
coated pad	1/2		500 / 800	Request HYDROGEN FLUORIDE AS F on the sampling data sheet. Fluoride	TIC-IC-14:
	,		,	Particulate can also be analyzed (see Fluoride Particulate). Price listed is for Hydrogen Fluoride only.	Modified OSHA IE 110
				Caustic compounds such as NaOH or KOH may cause an interference at high levels.	
Filter: Hydrogen Peroxide (H2O2) Filter	1/2		60/240	Keep media cold before and after sampling. Protect samples from light after collection and ship samples cold overnight to the Lab.	TIC-IC-20: Modified OSHA 1019
				No interferences reported.	
Filter & Tube: PTFE Filter followed by ORBO 34 special charcoal tube	0.1/0.2	1.5	10/40	Samples are collected by connecting a filter cassette to a sorbent tube (closest to the pump). After sampling, separate and cap both ends of the the cassette and tube. Refrigerate samples after collection and ship cold overnight to the Lab.	TIC-IC-04: Modified NIOSH 6013
				Sulfur dioxide (SO2) is a positive interference, note presence on the sampling data sheet. The filter removes particulate sulfates and is not normally analyzed, but it can be analyzed for particulate sulfates if requested.	
Filter: MCE Filter (37 mm)	1/3		60/180	TRANSFER FILTER TO PLASTIC VIAL CONTAINING 1% ACETIC ACID IMMEDIATELY AFTER SAMPLING. Hydroquinone is unstable on the collection media and MUST be stabilized with 1% acetic acid immediately after sampling.	TIC-LC-17: Modified NIOSH 5004
				No interferences reported.	
Sorbent Tubes: SKC 226-09 Charcoal tube	0.2		10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-71: Modified OSHA In House Method
				No interferences reported.	
Filter: MCE Filter (37 mm)	1/3		480/960	Routine shipping. May be sampled using a PVC filter if particulate is also desired.	TIC-ICP-01: Modified OSHA ID 125G/NIOSH
	0.5.(1		100 (010	No interferences reported.	7300
Sorbent Tubes: SKC 226-80 Coated Anasorb 747 tube	0.5/1	0.5	100/240	Refrigerate samples after collection and ship cold overnight to the Lab. Concentration- dependent loss of iodine near the PEL has been noted when sampling in > 50% relative humidity.	. TIC-IC-10: Modified OSHA ID 212
				Gaseous or particulate iodide compounds may interfere, note presence on the sampling data sheet. Use a PTFE prefilter if iodide particulate is present. Do not use PVC or MCE filters, per OSHA, they may interact with iodine.	
Metals by ICP \$28.00 Silica (see below) \$25.00 20.00 per sample. Acid treatment to remove in			Assay 581/58 Disposable res [4] VOLUME/TIN NA = not applie [5] HANDLING: N temperatures v	34/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. spirable samplers (DRS) are \$17.00 each. ME: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive sa icable. Most NIOSH or OSHA methods indicate that samples are stable at room temperature, however, becau vary – Travelers IH Lab recommends shipping samples cold overnight to the Lab.	ampling. uuse shipping
ct r 20.	Anasorb 747 tube more than one analyte on certain sampling m Metals by ICP \$28.00 Silica (see below) \$25.00 .00 per sample. Acid treatment to remove in iode" may be collected together.	Anasorb 747 tube more than one analyte on certain sampling media, the charges Metals by ICP \$28.00 Silica (see below) \$25.00 00 per sample. Acid treatment to remove interferences	Anasorb 747 tube more than one analyte on certain sampling media, the charges Metals by ICP \$28.00 Silica (see below) \$25.00 00 per sample. Acid treatment to remove interferences iode" may be collected together.	Anasorb 747 tube more than one analyte on certain sampling media, the charges Metals by ICP Silica (see below) \$25.00 Go per sample. Acid treatment to remove interferences NA = not appli iode" may be collected together.	Anasorb 747 tube dependent loss of iodine near the PEL has been noted when sampling in > 50% relative humidity. Gaseous or particulate iodide compounds may interfere, note presence on the sampling data sheet. Use a PTFE prefilter if iodide particulate is present. Do not use PVC or MCE filters, per OSHA, they may interact with iodine. more than one analyte on certain sampling media, the charges [3] PASSIVE AND RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the Assay 581/584/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. Disposable respirable samplers (DRS) are \$17.00 each. Silica (see below) \$25.00 .00 per sample. Acid treatment to remove interferences [4] VOLUME/TIME: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive samplers. NA = not applicable. iode" may be collected together. [5] HANDLING: Most NIOSH or OSHA methods indicate that samples are stable at room temperature, however, becal temperatures vary - Travelers IH Lab recommends shipping samples cold overnight to the Lab. [6] REFERENCE METHOD: Analytical methods are based on the listed references, but may be modified at the discretice

TRAVELERS J			INDU	SIRIAL	HIGIENE	LABORATO	JRT IH Helpline:	800-842-035
	Price [1]	Compat Code [2]	Madia [2]	TWA Flow Rate	STEL Flow Rate or	Air Volume or Sampling Time	Special Instructions/Interferences [5]	Reference
Analyte Iron	\$36.00	ICP 001	Media [3] Filter: MCE Filter (37 mm)	(LPM) 1/3	OK for Passive	for Passive [4]	Routine shipping. May be sampled using a PVC filter if particulate is also desired.	Method [6] TIC-ICP-01: Modified OSHA 125G/NIOSH
CAS RN: 7439-89-6	#26.00	100.001		1 / 2		100 (000	No interferences reported.	7300
ron Oxide as Fe2O3	\$36.00	ICP 001	Filter: MCE Filter (37 mm)	1/3		120/960	Routine shipping. If total particulate is also desired, sample using a Preweighed PVC filter. Respirable samples may be collected at a 2.0 LPM flow rate on a preweighed Disposable Respirable Sampler (DRS) – see Particulate, Respirable instructions.	TIC-ICP-01: Modified OSHA 125G/NIOSH 7300
CAS RN: 1309-37-1							All sources of iron are included in the result.	
soamyl acetate	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2	0.2	3/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSI 1450
		GC-U	Passive Sampler: Assay 566 OVM		Yes	60-480 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 123-92-2							No interferences reported.	
soamyl alcohol	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.02 / 0.2	0.2	3/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1402
		GC-U	Passive Sampler: Assay 566 OVM		Yes	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 123-51-3							No interferences reported.	
sobutylacetate	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2	0.2	3/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSI 1450
		GC-U	Passive Sampler: Assay 566 OVM		Yes	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 110-19-0							No interferences reported.	
sobutyl alcohol	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		2/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSI 1401
		GC-U	Passive Sampler: Assay 566 OVM		No	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 78-83-1							No interferences reported.	
socyanate Scan	\$220.00	NCO	Filter: Isocyanate (NCO) Filter - Open- faced	0.5/1	1	240	Keep media cold before and after sampling. Before sampling: Remove the top of the 3- piece filter cassette (section w/o wagon wheel design). After sampling: Replace the top of the cassette and plugs. Ship samples cold overnight to the Lab.	TIC-LC-03: Modified OSHA 5002
CAS RN: varies							Scan includes HDI, 2,4-TDI, 2,6-TDI, MDI and IPDI. Note presence of other isocyanates in the environment on the sampling data sheet.	
	ise it is often poe	sible to collect	: more than one analyte on certain sampling me	dia the charges		[3] PASSIVE AND	RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the	lab
for analysis of additional analytes a	are discounted as	s follows:		uia, the charges		Assay 581/58	4/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each.	. Lab.
Organic Solvents \$35.00 Isocyanates \$60.00	· ·	ns \$44.00 \$60.00	Metals by ICP \$28.00 Silica (see below) \$25.00				pirable samplers (DRS) are \$17.00 each. I E: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive sa	ampling
Particulate, quartz and cristobalite			0.00 per sample. Acid treatment to remove inte	erferences		NA = not applie	cable.	
is an additional \$40 per sample. [2] COMPATIBILITY CODES: Comp. NONE indicates that the analyte n If sampling for two or more comp.	nust be sampled	alone.	Code" may be collected together. /air volumes, or sampling times for EACH comp	pound.		temperatures v	tost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, beca ary - Travelers IH Lab recommends shipping samples cold overnight to the Lab. AFTHOD: Analytical methods are based on the listed references, but may be modified at the discretion are the stable of t	

TRAVELERS			INDU	SIRIAL	HYGIENE	LABORATO	JRY IH Helpline:	800-842-035
Analyte	Price [1]	Compat Code [2]	Media [3]	TWA Flow Rate (LPM)	STEL Flow Rate or OK for Passive	Air Volume or Sampling Time for Passive [4]	Special Instructions/Interferences [5]	Reference Method [6]
Isoflurane	\$77.00	AnestCS2	. .	0.05	0.05	2/17	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-02: Modified OSHA 103
		GC-E	Passive Sampler: SKC 575-002 Anasorb 747 Sampler		No	30-480 mins	Bring sampler to AMBIENT TEMPERATURE before sampling. Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 26675-46-7							No interferences reported.	
sooctane	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		2/4	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1500
		GC-U	Passive Sampler: Assay 566 OVM		No	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 540-84-1							No interferences reported.	
sooctyl alcohol	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		3/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified OSHA PV2033
		GC-U	Passive Sampler: Assay 525 TraceAir II OVM		0	15-480 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 26952-21-6							No interferences reported.	
sophorone	\$55.00	GC14	Sorbent Tubes: SKC 226-81A Anasorb 747 tube	0.02/1	1	6/25	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 2508
		GC-U	Passive Sampler: Assay 566 OVM		No	30-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab. Use Assay 525 TraceAir II OVM for STEL sampling.	
CAS RN: 78-59-1							No interferences reported.	
sophorone diisocyanate	\$100.00	NCO	Filter: Isocyanate (NCO) Filter - Open- faced	0.5/1	1	120/240	Keep media cold before and after sampling. Before sampling: Remove the top of the 3- piece filter cassette (section w/o wagon wheel design). After sampling: Replace the top of the cassette and plugs. Ship samples cold overnight to the Lab.	TIC-LC-03: Modified OSHA 5002
CAS RN: 4098-71-9							Note presence of other isocyanates in the environment on the sampling data sheet.	
sopropyl acetate	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.02/0.2	0.2	1/9	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1454
		GC-U	Passive Sampler: Assay 566 OVM		Yes	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 108-21-4							No interferences reported.	
for analysis of additional analytes ar Organic Solvents \$35.00 Isocyanates \$60.00	re discounted as Acids/Anior Aldehydes	follows: ns \$44.00 \$60.00	more than one analyte on certain sampling med Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove inte			Assay 581/58 Disposable resp	RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the 4/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. pirable samplers (DRS) are \$17.00 each. B: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive satale.	
is an additional \$40 per sample. [2] COMPATIBILITY CODES: Compo NONE indicates that the analyte mu If sampling for two or more compo	ust be sampled	alone.	Code" may be collected together. /air volumes, or sampling times for EACH comp	ound.		temperatures v	Nost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, becau vary – Travelers IH Lab recommends shipping samples cold overnight to the Lab. IETHOD: Analytical methods are based on the listed references, but may be modified at the discretic	
Dricos subject to shange without potic	e © 2024 Tł	ne Travelers In	demnity Company. All rights reserved. Travelers	and the Travele	ers Umbrella logo a	re registered trader	narks of The Travelers Indemnity Company in the US and other countries.	

TRAVELERS J			INDU	SIRIALI	HYGIENE	LABORATO	JRY IH Helpline:	800-842-035
	D : [4]	Compat	M II [9]	TWA Flow Rate	STEL Flow Rate or	Air Volume or Sampling Time		Reference
Analyte sopropyl alcohol	Price [1] \$55.00	Code [2] GC-U	Media [3] Sorbent Tubes: SKC 226-09 Charcoal tube	(LPM) 0.01/0.2	OK for Passive 0.2	for Passive [4] 1/3	Special Instructions/Interferences [5] Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	Method [6] TIC-GC-86: Modified NIOSI 1400
		GC-U	Passive Sampler: Assay 566 OVM		Yes	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 67-63-0							No interferences reported.	
sopropyl ether	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.05	0.05	1/3	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSI 1618
		GC-U	Passive Sampler: Assay 566 OVM		Yes	15-420 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 108-20-3							No interferences reported.	
Kerosene as Total Hydrocarbons	\$70.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		20	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSI 1550
		GC-U	Passive Sampler: Assay 566 OVM		No	240-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 8008-20-6							Petroleum distillates (PDs) are complex mixtures, quantitation of individual analytes may not be possible. Specify the PD on the sampling data sheet (Gasoline, Stoddard, etc.). Multiple PDs are reported as Petroleum Distillate Fraction.	
ead	\$36.00	ICP 001	Filter: MCE Filter (37 mm)	1/3		600/960	Routine shipping. May be sampled using a PVC filter if particulate is also desired.	TIC-ICP-01: Modified OSHA 125G/NIOSH
CAS RN: 7439-92-1	\$61.00	ICP 001	Wipe Sample: Whatman 540 Filter	NA		NA	No interferences reported. Routine shipping, Enclose wipe in labeled petri dish. The Laboratory is not AIHA	7300 TIC-ICP-01:
ead swipe.	\$01.00	100	Wipe	NA		NA	accredited for environmental lead samples.	Modified OSHA 125G/NIOSH 7300
CAS RN: 7439-92-1							Large amount of other metals may interfere, note presence on the sampling data sheet.	
I-Limonene	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		6/30	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSI 1552
		GC-U	Passive Sampler: Assay 566 OVM		No	60-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 5989-27-5							No interferences reported.	
Magnesium	\$36.00	ICP 001	Filter: MCE Filter (37 mm)	1/3		120/960	Routine shipping. May be sampled using a PVC filter if particulate is also desired.	TIC-ICP-01: Modified OSHA 125G/NIOSH
CAS RN: 7439-95-4 Magnesium Oxide	\$36.00	ICP 001	Filter: MCE Filter (37 mm)	1/3		120/960	No interferences reported. Routine shipping. May be sampled using a PVC filter if particulate is also desired.	7300 TIC-ICP-01:
5	\$30.00	ICF 001		1/5		1207 500		Modified OSHA 125G/NIOSH
CAS RN: 1309-48-4	uso it is often pos	sible to collect	more than one analyte on certain sampling me	dia the charges			All sources of magnesium are included in the result. RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the	7300
for analysis of additional analytes Organic Solvents \$35.00 Isocyanates \$60.00	are discounted as Acids/Anior Aldehydes	s follows: ns \$44.00 \$60.00	Metals by ICP \$28.00 Silica (see below) \$25.00	, 0		Assay 581/584 Disposable resp [4] VOLUME/TIM	4/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. birable samplers (DRS) are \$17.00 each. E: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive sa	
is an additional \$40 per sample. 2] COMPATIBILITY CODES: Comp NONE indicates that the analyte r	oounds with the sa must be sampled	ame "Compat. alone.	0.00 per sample. Acid treatment to remove inte Code" may be collected together. /air volumes, or sampling times for EACH comp			temperatures v	able. lost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, beca ary - Travelers IH Lab recommends shipping samples cold overnight to the Lab. IETHOD: Analytical methods are based on the listed references, but may be modified at the discretion	

TRAVELERS			INDU	ISTRIAL	HYGIENE	LABORATO	DRY IH Helpline:	IH Helpline: 800-842-035	
Analyte	Price [1]	Compat Code [2]	Media [3]	TWA Flow Rate (LPM)	STEL Flow Rate or OK for Passive	Air Volume or Sampling Time for Passive [4]	Special Instructions/Interferences [5]	Reference Method [6]	
Manganese	\$36.00	ICP 001	Filter: MCE Filter (37 mm)	1/3	2	120/960	Routine shipping. If total particulate is also desired, sample using a Preweighed PVC filter. Respirable samples may be collected at a 2.0 LPM flow rate on a preweighed Disposable Respirable Sampler (DRS) – see Particulate, Respirable instructions.	TIC-ICP-01: Modified OSHA I 125G/NIOSH 7300	
CAS RN: 7439-96-5							No interferences reported.		
2-Mercaptoethanol	\$115.00	NONE	Sorbent Tubes: SKC 226–10 Silica gel tube	0.1/0.2		9/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-83: Modified OSHA II House Method	
CAS RN: 60-24-2							No interferences reported.		
Mercury Particulate	\$70.00	NONE	Filter: MCE Filter (37 mm)	1/2	2	100/480	Routine shipping. Particulate mercury compounds and mercury containing dusts are collected and analyzed.	TIC-ICP-MS-03 Modified OSHA II 145	
CAS RN: varies							No interferences reported.		
Mercury Vapor	\$70.00	NONE	Sorbent Tubes: SKC 226-17-1A Anasorb C300 tube	0.05/0.2		40/96	Routine shipping. Use MCE prefilter if aryl or inorganic mercury compounds also present.	TIC-ICP-MS-02: Modified OSHA ID 140	
		NONE	Passive Sampler: SKC 520-02A Inorganic Mercury Sampler		No	480-480 mins	Routine shipping. Exposure time of 400 minutes will achieve a method reporting limit of 50% of the ACGIH TLV. Cannot quantify low enough for comparison to OSHA PEL.		
CAS RN: 7439-97-6							Other mercury compounds may interfere, note presence on the sampling data sheet.		
Metal Scan, 20 Elements	\$200.00	ICP 001	Filter: MCE Filter (37 mm)	1/3	3	960/1260	Routine shipping. See specific metals for CAS #s and Interferences. 20 element scan includes Al, Sb, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, Se, Ag, Sn, V, Zn. Minimum air volume of 1260 L is needed due to low exposure limit for Be.	TIC-ICP-01: Modified OSHA ID-121/NIOSH 7300	
CAS RN: varies							No interferences reported.		
Metal Scan, Solder	\$110.00	ICP 001	Filter: MCE Filter (37 mm)	1/3	3	960 / 1260	Routine shipping. See specific metals for CAS #s and Interferences. Solder fume scan includes Sb,Be,Cd,Cu,Pb,Ag,Sn and ZnO. Minimum air volume of 1260 L is needed due to low exposure limit for Be.	TIC-ICP-01: Modified OSHA ID 125G/NIOSH 7300	
CAS RN: varies							No interferences reported.		
Metal Scan, Welding	\$160.00	ICP 001	Filter: MCE Filter (37 mm)	1/3	3	1200/1260	Routine shipping. See specific metals for CAS #s and Interferences. Welding fume scan includes Al, Sb,Be,Cd,Cr,Co,Cu,Fe2O3,Pb,Mn,Mo,Ni,V2O5 and ZnO. Minimum air volume of 1260 L is needed due to low exposure limit for Be.	TIC-ICP-01: Modified OSHA ID 125G/NIOSH 7300	
CAS RN: varies							No interferences reported.		
Metal Working Fluids as Total Mass and Extractables	\$90.00	NONE	Filter: PTFE Filter (37 mm) - Preweighed	2		960	Routine shipping. Total particulates are determined first (\$27), then an extraction is done (\$63) if the particulate weight gain is above 50 micrograms.	TIC-GRV-03: Modified NIOSH 5524	
CAS RN: varies							No interferences reported.		
Methacrylic acid	\$110.00	NONE	Sorbent Tubes: Tandem 226-30-08 Anasorb 708 tubes - 2 tubes in series	0.05/0.1		1/24	Sample by placing 2 tubes in holders connected together. The tube closest to the pump is the BACK. After sampling: separate, cap and label tubes FRONT and BACK. Refrigerate samples after collection and ship cold overnight to the Lab.	TIC-LC-04: Modified OSHA PV2005	
CAS RN: 79-41-4							Other compounds may interfere. Note any compounds present in the environment on the sampling data sheet.		
for analysis of additional analytes ar Organic Solvents \$35.00 Isocyanates \$60.00 Particulate, quartz and cristobalite of is an additional \$40 per sample. [2] COMPATIBILITY CODES: Compor NONE indicates that the analyte mu	e discounted as Acids/Anion Aldehydes on the same air s unds with the sa ust be sampled a	s follows: ns \$44.00 \$60.00 sample is \$12 ame "Compat. alone.	t more than one analyte on certain sampling me Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove inte Code" may be collected together. s/air volumes, or sampling times for EACH comp	erferences		Assay 581/58 Disposable resp [4] VOLUME/TIM NA = not applic [5] HANDLING: M temperatures v	 RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the 4/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. birable samplers (DRS) are \$17.00 each. E: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive sarable. lost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, becaurary - Travelers IH Lab recommends shipping samples cold overnight to the Lab. METHOD: Analytical methods are based on the listed references, but may be modified at the discretion 	npling. Ise shipping	

TRAVELERS J			INDU	SIRIALI	IGENE	LABORATO	IH Helpline:	800-842-035
	Price [1]	Compat Code [2]	Media [3]	TWA Flow Rate (LPM)	STEL Flow Rate or OK for Passive	Air Volume or Sampling Time for Passive [4]	Special Instructions/Interferences [5]	Reference Method [6]
2-Methoxyethanol	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.1		40 / 120	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified OSH/ 53/NIOSH 140
CAS RN: 109-86-4							No interferences reported.	
2-Methoxyethyl acetate	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.1		25/100	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified OSHA 53/NIOSH 145
CAS RN: 110-49-6							No interferences reported.	
Methyl acetate	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2	0.2	3/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSI 1458
		GC-U	Passive Sampler: Assay 566 OVM		Yes	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 79-20-9							No interferences reported.	
Methyl acrylate	\$55.00	GC 4	Sorbent Tubes: SKC 226-73 Coated charcoal tube	0.01/0.05		3/12	Keep media cold before and after sampling. Ship samples cold overnight to the Lab, do not ship on Fridays.	TIC-GC-01: Modified OSHA 92
		GC-U	Passive Sampler: Assay 566 OVM		No	60-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 96-33-3							No interferences reported.	
Methyl alcohol	\$55.00	NONE	Sorbent Tubes: SKC 226-82 Anasorb 747 tubes – set of two separate tubes in series	0.01/0.05	0.05	1/3	Sample by placing 2 tubes in holders connected together. The tube closest to the pump is the BACK (PART B). After sampling: separate, cap and label tubes FRONT and BACK. Samples MUST be refrigerated after collection and shipped cold overnight to the Lab.	TIC-GC-59: Modified OSHA 5001
		NONE	Passive Sampler: SKC 575-007 Methanol Sampler		No	120-480 mins	Bring sampler to AMBIENT TEMPERATURE before sampling. Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 67-56-1							No interferences reported.	
Methylamine	\$110.00	AMINE3	Sorbent Tubes: SKC 226-96 Coated XAD-7 tube	0.05 / 0.2	0.2	6/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-LC-07: Modified OSH/ 40
CAS RN: 74-89-5							Other amine compounds may interfere, note presence on the sampling data sheet.	
Methyl amyl alcohol	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2	0.2	3/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSI 1402
		GC-U	Passive Sampler: Assay 566 OVM		Yes	30-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 108-11-2							No interferences reported.	
for analysis of additional analytes a Organic Solvents \$35.00 Isocyanates \$60.00 Particulate, quartz and cristobalite is an additional \$40 per sample. [2] COMPATIBILITY CODES: Compr NONE indicates that the analyte m	re discounted as Acids/Anior Aldehydes on the same air s ounds with the sa oust be sampled	s follows: 1s \$44.00 \$60.00 sample is \$120 ame "Compat. alone.	t more than one analyte on certain sampling me Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove inte Code" may be collected together. ;/air volumes, or sampling times for EACH comp	erferences		Assay 581/58 Disposable resp [4] VOLUME/TIM NA = not applic [5] HANDLING: M temperatures v	 RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the 4/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. birable samplers (DRS) are \$17.00 each. E: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive sa fable. lost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, becar ary - Travelers IH Lab recommends shipping samples cold overnight to the Lab. IETHOD: Analytical methods are based on the listed references, but may be modified at the discretice of the same stable at the modified at the discretice of the same stable at the modified at the discretice of the same stable at the modified at the discretice of the same stable at may be modified at the discretice of the same stable at may be modified at the discretice of the same stable at may be modified at the discretice of the same stable at the same based on the listed references, but may be modified at the discretice of the same stable at the same based on the listed references. 	mpling. use shipping

TRAVELERS J			INDU	SIRIAL	I GIENE I	ABORATO	и нерше:	800-842-035
		Compat		TWA Flow Rate	STEL Flow Rate or	Air Volume or Sampling Time		Reference
Analyte Methyl n-amyl ketone	Price [1] \$55.00	Code [2] GC-U	Media [3] Sorbent Tubes: SKC 226-09 Charcoal	(LPM)	OK for Passive	for Passive [4] 3 / 25	Special Instructions/Interferences [5] Most NIOSH and OSHA methods indicate that samples are stable at room	Method [6] TIC-GC-86:
Methyth-amytketone	\$55.00	GC-0	tube	0.01 / 0.2		3/23	temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	Modified NIOS 1301
		GC-U	Passive Sampler: Assay 566 OVM		No	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 110-43-0							No interferences reported.	
Methyl bromide	\$77.00	NONE	Sorbent Tubes: Tandem 226-83 Anasorb 747 tubes - 2 tubes in series	0.01/0.2	0.2	3	Sample by placing 2 tubes in holders connected together. The tube closest to the pump is the BACK. After sampling: separate, cap and label tubes FRONT and BACK. Refrigerate samples after collection and ship cold overnight to the Lab.	TIC-GC-02: Modified OSH/ PV2040
		GC-U	Passive Sampler: Assay 525 TraceAir II OVM		Yes	30-480 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 74-83-9							No interferences reported.	
Methyl tert-butyl ether	\$55.00	NONE	Sorbent Tubes: SKC 226-37 Charcoal tubes - set of two separate tubes in series	0.05/0.2		6/96	Sample by placing 2 tubes in holders connected together. The tube closest to the pump is the BACK (PART B). After sampling: separate, cap and label tubes FRONT and BACK. Samples MUST be refrigerated after collection and shipped cold overnight to the Lab.	TIC-GC-01: Modified NIOSH 1615
		GC-U	Passive Sampler: Assay 566 OVM		No	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 1634-04-4							No interferences reported.	
Methyl n-butyl ketone	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2	0.2	12/25	SHIP COLD OVERNIGHT to the Lab immediately after sampling, do not ship on Fridays. Samples should be analyzed within 7 days of collection, RUSH ANALYSIS FEES MAY APPLY.	TIC-GC-86: Modified NIOSH 1300
		GC-U	Passive Sampler: Assay 566 OVM		No	90-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab. Use Assay 525 TraceAir II OVM for STEL sampling.	
CAS RN: 591-78-6							No interferences reported.	
Methyl-2-cyanoacrylate	\$95.00	CYANO	Sorbent Tubes: SKC 226-98 Coated XAD-7 tube	0.01/0.1	0.2	20/24	Ship overnight to the lab on DRY ICE, do not ship on Fridays.	TIC-LC-21: Modified OSHA 55
CAS RN: 137-05-3							No interferences reported.	
Methyl cyclohexane	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		1/4	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1500
		GC-U	Passive Sampler: Assay 566 OVM		No	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 108-87-2							No interferences reported.	
Methylcyclohexanol	\$55.00	NONE	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		2/15	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-06: Modified NIOSH 1404
CAS RN: 25639-42-3							No interferences reported.	
[1] ADDITIONAL ANALYTES: Because for analysis of additional analytes are			more than one analyte on certain sampling me	dia, the charges			RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the 4/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each.	Lab.
		\$60.00	Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove inte	erferences		[4] VOLUME/TIM NA = not applic		, ,
is an additional \$40 per sample. [2] COMPATIBILITY CODES: Compound NONE indicates that the analyte mu	ist be sampled a	alone.	Code" may be collected together. /air volumes, or sampling times for EACH comp			temperatures v	lost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, becar ary - Travelers IH Lab recommends shipping samples cold overnight to the Lab. IETHOD: Analytical methods are based on the listed references, but may be modified at the discretic	

TRAVELERS			INDU	JSTRIAL I	HYGIENE	LABORATO	DRY IH Helpline: 2	800-842-0355
Analyte	Price [1]	Compat Code [2]	Media [3]	TWA Flow Rate (LPM)	STEL Flow Rate or OK for Passive	Air Volume or Sampling Time for Passive [4]	Special Instructions/Interferences [5]	Reference Method [6]
4,4'-Methylenebis(2- chloroaniline)	\$100.00	NONE	Filter & Tube: SKC 226-99 Silica Gel OVS	0.5/1		160/240	Refrigerate samples after collection and ship cold overnight to the Lab. The sampler contains a filter and sorbent material in a single tube.	TIC-LC-35: Modified NIOSH 236
CAS RN: 101-14-4							No interferences reported.	
Methylene bis(4- cyclohexylisocyanate)	\$100.00	NONE	Filter: Isocyanate (NCO) Filter - Open- faced	0.5/1		100/240	Keep media cold before and after sampling. Before sampling: Remove the top of the 3- piece filter cassette (section w/o wagon wheel design). After sampling: Replace the top of the cassette and plugs. Ship samples cold overnight to the Lab.	TIC-LC-03: Modified OSHA 5002
CAS RN: 5124-30-1							Note presence of other isocyanates in the environment on the sampling data sheet.	
Methylene bisphenyl diisocyanate	\$100.00	NCO	Filter: Isocyanate (NCO) Filter - Open- faced	0.5/1	1	100/240	Keep media cold before and after sampling. Before sampling: Remove the top of the 3- piece filter cassette (section w/o wagon wheel design). After sampling: Replace the top of the cassette and plugs. Ship samples cold overnight to the Lab.	TIC-LC-03: Modified OSHA 5002
CAS RN: 101-68-8							Note presence of other isocyanates in the environment on the sampling data sheet.	
Methylene chloride	\$55.00	GC-U	Sorbent Tubes: Tandem 226-09 Charcoal tubes - 2 tubes in series	0.01/0.2	0.2	5/6	Sample by placing 2 tubes in holders connected together. The tube closest to the pump is the BACK. After sampling: separate, cap and label tubes FRONT and BACK. Refrigerate samples after collection and ship cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1005
		GC-U	Passive Sampler: Assay 566 OVM		Yes	90-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 75-09-2							Ethanol may interfere, note presence on the sampling data sheet.	
4,4'-Methylenedianiline	\$100.00	NONE	Filter: MDA Filter - Open-faced	1/2		100/1000	Collect sample by removing the top of the 3-piece filter cassette (that DOES NOT have a wagon wheel design). After sampling, transfer the filter to a vial containing 3 mL of 0.1N methanolic KOH solution.	TIC-LC-15: Modified NIOSH 5029
CAS RN: 101-77-9							4,4'-Diphenylmethane diisocyanate (MDI) will interfere, note presence on the sampling data sheet.	
Methyl ethyl ketone	\$55.00	GC14	Sorbent Tubes: SKC 226-81A Anasorb 747 tube	0.01/0.2	0.2	1/12	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 2500
		GC-U	Passive Sampler: Assay 566 OVM		Yes	30-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 78-93-3							No interferences reported.	
Methylethyl ketoxime	\$55.00	NONE	Sorbent Tubes: SKC 226-93 XAD-4	0.1		5/10	Routine shipping.	TIC-GC-60: Modified OSHA In House Method
CAS RN: 96-29-7							No interferences reported.	
Methyl formate	\$60.00	NONE	Sorbent Tubes: SKC 226-83 Anasorb 747 tube	0.025 / 0.05	0.05	2.5 / 3	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-75: Modified OSHA PV2041
		GC-H	Passive Sampler: Assay 566 OVM		Yes	15-240 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 107-31-3							No interferences reported.	
for analysis of additional analytes a Organic Solvents \$35.00 Isocyanates \$60.00 Particulate, quartz and cristobalite is an additional \$40 per sample. [2] COMPATIBILITY CODES: Compo NONE indicates that the analyte m	re discounted as Acids/Anior Aldehydes on the same air unds with the sa ust be sampled	s follows: ns \$44.00 \$60.00 sample is \$12 ame "Compat. alone.	t more than one analyte on certain sampling me Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove inte Code" may be collected together. s/air volumes, or sampling times for EACH com	erferences		Assay 581/58 Disposable resp [4] VOLUME/TIM NA = not applic [5] HANDLING: M temperatures v	 PRESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the 4/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. pirable samplers (DRS) are \$17.00 each. IE: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive sartable. tost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, becau rary - Travelers IH Lab recommends shipping samples cold overnight to the Lab. VETHOD: Analytical methods are based on the listed references, but may be modified at the discretion 	mpling. Ise shipping

INDUSTRIAL HYGIENE LABORATORY IH Helpline: 800-842-0355 TRAVELERS TWA STEL Air Volume or Compat Sampling Time Flow Rate Flow Rate or Price [1] Code [2] Media [3] Special Instructions/Interferences [5] Analyte (LPM) OK for Passive for Passive [4] Methyl isoamyl acetate Most NIOSH and OSHA methods indicate that samples are stable at room \$55.00 GC-U Sorbent Tubes: SKC 226-09 Charcoal 0.01/0.2 1/10Modified NIOSH tube temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab. No interferences reported. CAS RN: 108-84-9 Methyl isoamyl ketone \$55.00 GC-U Sorbent Tubes: SKC 226-09 Charcoal 0.01/0.2 0.2 3/10 Most NIOSH and OSHA methods indicate that samples are stable at room tube temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab. GC-U Passive Sampler: Assay 566 OVM Yes 30–720 mins Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab. No interferences reported. CAS RN: 110-12-3 Methyl isobutyl ketone \$55.00 GC-U Sorbent Tubes: SKC 226-09 Charcoal 0.01/0.2 0.2 3/25 Most NIOSH and OSHA methods indicate that samples are stable at room Modified NIOSH tube temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab. 30-720 mins Avoid temperature exceeding 90°F. During the summer months ship samples GC-U Passive Sampler: Assay 566 OVM Yes overnight to the Lab. No interferences reported. CAS RN: 108-10-1 Methyl isopropyl ketone \$55.00 GC-U Sorbent Tubes: SKC 226-09 Charcoal 0.01/0.1 4/10 Most NIOSH and OSHA methods indicate that samples are stable at room Modified OSHA In tube temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab. GC-U Passive Sampler: Assay 566 OVM No 30-720 mins Avoid temperature exceeding 90°F. During the summer months ship samples

Reference

Method [6]

TIC-GC-86

1450

TIC-GC-86: Modified OSHA

PV2042

TIC-GC-86:

1300

TIC-GC-86:

House Method

		000				00 / 20 11110	overnight to the Lab.	
CAS RN: 563-80-4							No interferences reported.	
Methyl mercaptan	\$115.00	GC-MER	Filter: SKC 225-9007 Mercaptan Filter	0.1/0.2	0.2	20/150	Keep media frozen and protected from light before and after sampling. Ship samples cold overnight to the Lab.	TIC-GC-37: Modified NIOSH 2542
CAS RN: 74-93-1							Dimethyl disulfide, diethyl disulfide and dibutyl disulfide may interfere, note presence on the sampling data sheet.	
Methyl methacrylate	\$55.00	GC 11	Sorbent Tubes: SKC 226-73 Coated charcoal tube	0.01/0.05	0.05	1/3	Keep media cold before and after sampling. Ship samples cold overnight to the Lab, do not ship on Fridays.	TIC-GC-86: Modified OSHA 94
		GC-U	Passive Sampler: Assay 566 OVM		Yes	30-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 80-62-6							No interferences reported.	
Methyl propyl ketone	\$55.00	GC-U	Sorbent Tubes: SKC 226–09 Charcoal tube	0.01/0.2	0.2	1/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1300
		GC-U	Passive Sampler: Assay 566 OVM		Yes	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 107-87-9							No interferences reported.	
for analysis of additional analytes Organic Solvents \$35.00 Isocyanates \$60.00	are discounted as Acids/Anior Aldehydes e on the same air	s follows: ns \$44.00 \$60.00 sample is \$12	t more than one analyte on certain sampling me Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove inte Code" may be collected together	, 0		Assay 581/58 Disposable resp [4] VOLUME/TIM NA = not applic [5] HANDLING: N	RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the L 4/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. orrable samplers (DRS) are \$17.00 each. IE: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive sam able. lost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, becaus ary - Travelers IH Lab recommends shipping samples cold overnight to the Lab.	npling.

If sampling for two or more compounds, adhere to the flow rates/air volumes, or sampling times for EACH compound.

TRAVELERS J			INDO			LABORATO	JR I IH Helpline:	800-842-0355
Analyte	Price [1]	Compat Code [2]	Media [3]	TWA Flow Rate (LPM)	STEL Flow Rate or OK for Passive	Air Volume or Sampling Time for Passive [4]	Special Instructions/Interferences [5]	Reference Method [6]
N-Methyl-2-pyrrolidinone	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.05/0.2		15/125	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified OSHA PV2043/NIOSH 1302
		GC-U	Passive Sampler: Assay 566 OVM		No	60-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 872-50-4							No interferences reported.	
Mineral Oils	\$90.00	NONE	Filter: PTFE Filter (37 mm) - Preweighed	2		960	Routine shipping. Total particulates are determined first (\$27), then an extraction is done (\$63) if the particulate weight gain is above 50 micrograms.	TIC-GRV-03: Modified NIOSH 5524
CAS RN: varies							No interferences reported.	
Mineral Spirits as Total Hydrocarbons	\$70.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		9/20	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified OSHA 48
		GC-U	Passive Sampler: Assay 566 OVM		No	360-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 64475-85-0							Petroleum distillates (PDs) are complex mixtures, quantitation of individual analytes may not be possible. Specify the PD on the sampling data sheet (Gasoline, Stoddard, etc.). Multiple PDs are reported as Petroleum Distillate Fraction.	
Molybdenum	\$36.00	ICP 001	Filter: MCE Filter (37 mm)	1/3		15/960	Routine shipping. If total particulate is also desired, sample using a Preweighed PVC filter. Respirable samples may be collected at a 2.0 LPM flow rate on a preweighed Disposable Respirable Sampler (DRS) – see Particulate, Respirable instructions.	TIC-ICP-01: Modified OSHA IE 125G/NIOSH 7300
CAS RN: 7439-98-7							No interferences reported.	
Morpholine	\$90.00	AMINE2	Sorbent Tubes: SKC 226-98 Coated XAD-7 tube	0.1		10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-20: Modified OSHA PV2123
CAS RN: 110-91-8							Other amine compounds may interfere, note presence on the sampling data sheet.	
Naphthalene	\$95.00	NONE	Sorbent Tubes: SKC 226-110 Chromosorb 106 tube	0.05/0.2		6/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified OSHA 35
CAS RN: 91-20-3							Other compounds may interfere. Note any compounds present in the environment on the sampling data sheet.	
Nickel	\$36.00	ICP 001	Filter: MCE Filter (37 mm)	1/3		120/960	Routine shipping. May be sampled using a PVC filter if particulate is also desired.	TIC-ICP-01: Modified OSHA IE 125G/NIOSH
CAS RN: 7440-02-0	¢20.00			1 / 2		120 / 000	No interferences reported.	7300 TIC-ICP-01:
Nickel, Water Soluble	\$36.00	ICP H2O	Filter: PVC Filter (37 mm) – Preweighed	1/3		120/960	Routine shipping. Note "WATER SOLUBLE" on the sampling data sheet.	Modified OSHA IE 121
CAS RN: varies							No interferences reported.	
Nicotine	\$90.00	NONE	Sorbent Tubes: SKC 226-30-04 XAD- 2 tube	0.20/1		80/400	Refrigerate samples after collection and ship cold overnight to the Lab. If nicotine is present in dust use a PTFE prefilter and submit both to lab for analysis.	TIC-GC-31: Modified NIOSH 2544
CAS RN: 54-11-5							No interferences reported.	
for analysis of additional analytes an Organic Solvents \$35.00 Isocyanates \$60.00 Particulate, quartz and cristobalite	re discounted as Acids/Anion Aldehydes	follows: s \$44.00 \$60.00	t more than one analyte on certain sampling med Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove inte			Assay 581/584 Disposable resp [4] VOLUME/TIM NA = not applic		mpling.
is an additional \$40 per sample. [2] COMPATIBILITY CODES: Compo NONE indicates that the analyte m If sampling for two or more compo	ust be sampled a	alone.	Code" may be collected together. /air volumes, or sampling times for EACH comp	bound.		temperatures v	lost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, beca ary – Travelers IH Lab recommends shipping samples cold overnight to the Lab. AETHOD: Analytical methods are based on the listed references, but may be modified at the discretion	

TRAVELERS			INDU	JSTRIALI	HYGIENEI	LABORATO	JRY IH Helpline:	800-842-035
Analyte	Price [1]	Compat Code [2]	Media [3]	TWA Flow Rate (LPM)	STEL Flow Rate or OK for Passive	Air Volume or Sampling Time for Passive [4]	Special Instructions/Interferences [5]	Reference Method [6]
Nitric acid	\$70.00	IC 1	Sorbent Tubes: ORBO 53 Specially cleaned silica gel tube	0.02 / 0.2	0.5	6/96	Routine shipping.	TIC-IC-01: Modified OSHA I 165SG
CAS RN: 7697-37-2							Note other nitrate containing compounds present in the environment on the sampling data sheet.	
Nitric oxide	\$70.00	NONE	Sorbent Tubes: SKC 226-182 Coated molecular sieve/oxidizer tube	0.1		1/24	Keep media cold before and after sampling. Ship samples cold overnight to the Lab. TUBE ORIENTATION IS CRITICAL, make sure air is pulled through in the proper direction. If sampling for both nitric oxide and nitrogen dioxde collect at least 11 L.	TIC-IC-16: Modified OSHA I 190
CAS RN: 10102-43-9							No interferences reported.	
p-Nitroaniline	\$70.00	NONE	Filter: MCE Filter (37 mm)	1/3		120/350	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-LC-40: Modified NIOSH 5033
CAS RN: 100-01-6							Other compounds may interfere. Note any compounds present in the environment on the sampling data sheet.	
Nitroethane	\$70.00	NONE	Sorbent Tubes: SKC 226-3002A XAD- 2 Tubes – set of two separate tubes in series	0.01/0.05		1/3	Sample by placing 2 tubes in holders connected together. The tube closest to the pump is the BACK (PART B). After sampling: separate, cap and label tubes FRONT and BACK. Samples MUST be refrigerated after collection and shipped cold overnight to the Lab.	TIC-GC-78: Modified NIOSH 2526
CAS RN: 79-24-3							No interferences reported.	
Nitrogen dioxide	\$70.00	NONE	Sorbent Tubes: SKC 226-40-02 Coated molecular sieve tube	0.05/0.2	0.2	11/24	Refrigerate samples after collection and ship cold overnight to the Lab. If also sampling for nitric oxide, follow the sampling directions for nitric oxide and collect at least 11 liters of air on a 226–182 tube.	TIC-IC-16: Modified OSHA II 182
CAS RN: 10102-44-0							No interferences reported.	
Nonane	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		3/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1500
		GC-U	Passive Sampler: Assay 566 OVM		No	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 111-84-2							No interferences reported.	
Octane	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		2/4	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1500
		GC-U	Passive Sampler: Assay 566 OVM		No	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 111-65-9							No interferences reported.	
Oxalic Acid	\$70.00	NONE	Filter: Glass Fiber Filter (37 mm) - Open-faced	1/2	2	30/100	Routine shipping. Collect sample by removing the top of the 3-piece filter cassette (that DOES NOT have a wagon wheel design).	TIC-IC-18: Modified OSHA PV2115
CAS RN: 144-62-7							No interferences reported.	
for analysis of additional analytes ar Organic Solvents \$35.00 Isocyanates \$60.00 Particulate, quartz and cristobalite c is an additional \$40 per sample. [2] COMPATIBILITY CODES: Compor NONE indicates that the analyte mu	e discounted as Acids/Anion Aldehydes on the same air s unds with the sa ust be sampled a	s follows: IS \$44.00 \$60.00 sample is \$120 Ime "Compat. alone.	more than one analyte on certain sampling me Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove into Code" may be collected together. /air volumes, or sampling times for EACH comp	erferences		Assay 581/58 Disposable resp [4] VOLUME/TIM NA = not applic [5] HANDLING: M temperatures v	 PRESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the 4/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. pirable samplers (DRS) are \$17.00 each. IE: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive satable. Iost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, beca arry - Travelers IH Lab recommends shipping samples cold overnight to the Lab. AFTHOD: Analytical methods are based on the listed references, but may be modified at the discretion of the same stable of the same share based on the listed references. 	mpling. use shipping

GRAV 002	Media [3] Filter: Ozone Filter Filter: Disposable Respirable Sampler (DRS) WITHOUT FOAM INSERT Filter: Disposable Respirable Sampler (DRS) Filter: Disposable Respirable Sampler (DRS) Filter: PVC Filter (37 mm) – Preweighed	TWA Flow Rate (LPM) 0.25 / 0.5 2 2 2 2	STEL Flow Rate or OK for Passive 1.5	Air Volume or Sampling Time for Passive [4] 90 / 120 960 960	Special Instructions / Interferences [5] SHIP COLD OVERNIGHT to the Lab immediately after sampling, do not ship on Fridays. Keep media frozen before and after sampling. Media shelf life is 14 days - allow time for the Lab to prepare the media, RUSH ANALYSIS FEES MAY APPLY. Sulfur dioxide gas and soluble particulate nitrate compounds may interfere, note presence on the sampling data sheet. Routine shipping. Flow rate of 2.0 liters per minute is CRITICAL. Disposable Respirable Samplers (DRS) MUST HAVE THE FOAM INSERT REMOVED AND DISCARDED prior to sampling for inhalable particulate. Respirable samplers (DRS) are billed \$17 each when shipped. Gravimetric method nonspecific, all particulate matter in the sampling environment is collected and quantified. Routine shipping. Using a 2.0 LPM flow rate is CRITICAL when using a Disposable Respirable Sampler (DRS). Request RESPIRABLE PARTICULATE on the sampling data sheet. Respirable samplers (DRS) are billed \$17 each when shipped.	Reference Method [6] TIC-IC-13: Modified OSHA I 214 TIC-GRV-01: Modified NIOSH 0500
GRAV 003 GRAV 002 GRAV 001	Filter: Ozone Filter Filter: Disposable Respirable Sampler (DRS) WITHOUT FOAM INSERT Filter: Disposable Respirable Sampler (DRS)	2		90 / 120	 SHIP COLD OVERNIGHT to the Lab immediately after sampling, do not ship on Fridays. Keep media frozen before and after sampling. Media shelf life is 14 days - allow time for the Lab to prepare the media, RUSH ANALYSIS FEES MAY APPLY. Sulfur dioxide gas and soluble particulate nitrate compounds may interfere, note presence on the sampling data sheet. Routine shipping. Flow rate of 2.0 liters per minute is CRITICAL. Disposable Respirable Samplers (DRS) MUST HAVE THE FOAM INSERT REMOVED AND DISCARDED prior to sampling for inhalable particulate. Respirable samplers (DRS) are billed \$17 each when shipped. Gravimetric method nonspecific, all particulate matter in the sampling environment is collected and quantified. Routine shipping. Using a 2.0 LPM flow rate is CRITICAL when using a Disposable Respirable Sampler (DRS). Request RESPIRABLE PARTICULATE on the sampling 	TIC-IC-13: Modified OSHA 214 TIC-GRV-01: Modified NIOSI 0500 TIC-GRV-01: Modified NIOSI
GRAV 002 GRAV 001	(DRS) WITHOUT FOAM INSERT Filter: Disposable Respirable Sampler (DRS) Filter: PVC Filter (37 mm) -	2			presence on the sampling data sheet. Routine shipping. Flow rate of 2.0 liters per minute is CRITICAL. Disposable Respirable Samplers (DRS) MUST HAVE THE FOAM INSERT REMOVED AND DISCARDED prior to sampling for inhalable particulate. Respirable samplers (DRS) are billed \$17 each when shipped. Gravimetric method nonspecific, all particulate matter in the sampling environment is collected and quantified. Routine shipping. Using a 2.0 LPM flow rate is CRITICAL when using a Disposable Respirable Sampler (DRS). Request RESPIRABLE PARTICULATE on the sampling	Modified NIOSH 0500 TIC-GRV-01: Modified NIOSH
GRAV 002 GRAV 001	(DRS) WITHOUT FOAM INSERT Filter: Disposable Respirable Sampler (DRS) Filter: PVC Filter (37 mm) -	2			Respirable Samplers (DRS) MUST HAVE THE FOAM INSERT REMOVED AND DISCARDED prior to sampling for inhalable particulate. Respirable samplers (DRS) are billed \$17 each when shipped. Gravimetric method nonspecific, all particulate matter in the sampling environment is collected and quantified. Routine shipping. Using a 2.0 LPM flow rate is CRITICAL when using a Disposable Respirable Sampler (DRS). Request RESPIRABLE PARTICULATE on the sampling	Modified NIOSH 0500 TIC-GRV-01: Modified NIOSH
GRAV 001	(DRS) Filter: PVC Filter (37 mm) -			200/1200	collected and quantified. Routine shipping. Using a 2.0 LPM flow rate is CRITICAL when using a Disposable Respirable Sampler (DRS). Request RESPIRABLE PARTICULATE on the sampling	Modified NIOSH
GRAV 001	(DRS) Filter: PVC Filter (37 mm) -			200/1200	Respirable Sampler (DRS). Request RESPIRABLE PARTICULATE on the sampling	Modified NIOSH
	. ,	1/2				
	. ,	1/2			Gravimetric method nonspecific, all particulate matter in the sampling environment is collected and quantified.	
NONE		- / -		200/960	Routine shipping.	TIC-GRV-01: Modified NIOSH 0500
NONE					Gravimetric method nonspecific, all particulate matter in the sampling environment is collected and quantified.	
	Sorbent Tubes: SKC 226-97 XAD-7 tubes -Set of 3 tubes	0.05/0.2	0.2	24 / 48	To sample, connect tube A to tube B with flexible tubing (arrows in the same direction) – tube B is closest to the pump. After sampling, keep A & B connected and attach opened tube C to tube A. Refrigerate and ship the samples cold overnight to the Lab.	TIC-LC-19: Modified OSHA 39
					No interferences reported.	
GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.05	0.05	1/4	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1500
GC-U	Passive Sampler: Assay 566 OVM		No	15-360 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
					No interferences reported.	
GC 8	Sorbent Tubes: SKC 226-183 Silica gel tubes - set of two separate tubes in series	0.05/0.2		3/9	Protect samples from light during and after sampling (wrap the tubes in aluminum foil). Sample by placing 2 tubes in holders connected together. After sampling: separate, cap and label tubes FRONT and BACK (closest to the pump).	TIC-GC-84: Modified OSHA 1012
					No interferences reported.	
NONE	Filter & Tube: Hydrogen peroxide filter followed by SKC 226-193-UC cleaned/coated silica gel tube	1	1	15/85	Keep filter cold before and after sampling. Samples are collected by connecting a filter cassette to a sorbent tube (closest to the pump). Protect samples from light after collection and ship samples cold overnight to the Lab.	TIC-LC-42: Modified INRS method
					No interferences reported. Peracetic acid and hydrogen peroxide can be sampled using the same sampling train.	
s follows: ns \$44.00 \$60.00 sample is \$120	Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove int			Assay 581/584 Disposable resp [4] VOLUME/TIM NA = not applic [5] HANDLING: M temperatures v	 4/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. birable samplers (DRS) are \$17.00 each. E: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive san able. lost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, becau: ary - Travelers IH Lab recommends shipping samples cold overnight to the Lab. 	npling. Ise shipping
5 5 ar	NONE ible to collect follows: s \$44.00 \$60.00 ample is \$12 me "Compat. lone. .he flow rates	gel tubes - set of two separate tubes in series NONE Filter & Tube: Hydrogen peroxide filter followed by SKC 226-193-UC cleaned/coated silica gel tube ible to collect more than one analyte on certain sampling me follows: \$ \$44.00 Metals by ICP \$28.00 \$60.00 Silica (see below) \$25.00 ample is \$120.00 per sample. Acid treatment to remove int me "Compat. Code" may be collected together. lone. the flow rates/air volumes, or sampling times for EACH com	gel tubes - set of two separate tubes in series NONE Filter & Tube: Hydrogen peroxide filter 1 followed by SKC 226-193-UC cleaned/coated silica gel tube 1 ible to collect more than one analyte on certain sampling media, the charges follows: \$ \$44.00 Metals by ICP \$28.00 \$ \$44.00 Metals by ICP \$28.00 \$60.00 Silica (see below) \$25.00 ample is \$120.00 per sample. Acid treatment to remove interferences me "Compat. Code" may be collected together. lone. . he flow rates/air volumes, or sampling times for EACH compound. . .	gel tubes - set of two separate tubes in series NONE Filter & Tube: Hydrogen peroxide filter 1 1 followed by SKC 226-193-UC cleaned/coated silica gel tube ible to collect more than one analyte on certain sampling media, the charges follows: s \$44.00 Metals by ICP \$28.00 \$60.00 Silica (see below) \$25.00 ample is \$120.00 per sample. Acid treatment to remove interferences me "Compat. Code" may be collected together. lone. the flow rates/air volumes, or sampling times for EACH compound.	gel tubes - set of two separate tubes in series NONE Filter & Tube: Hydrogen peroxide filter 1 1 15/85 followed by SKC 226-193-UC cleaned/coated silica gel tube 1 15/85 ible to collect more than one analyte on certain sampling media, the charges follows: s \$44.00 [3] PASSIVE AND Assay 581/58- Disposable resp \$60.00 s \$44.00 Metals by ICP \$28.00 [4] VOLUME/TIM Mample is \$120.00 per sample. Acid treatment to remove interferences me "Compat. Code" may be collected together. lone. Kare not appling (6] REFERENCE N he flow rates/air volumes, or sampling times for EACH compound. [6] REFERENCE N	GC 8 Sorbent Tubes: SKC 226-183 Silica 0.05 / 0.2 3 / 9 Protect samples from light during and after sampling (wrap the tubes in aluminum foil). Sample by placing 2 tubes in holders connected together. After sampling: separate, cap and label tubes FRONT and BACK (closest to the pump). NONE Filter & Tube: Hydrogen peroxide filter 1 1 15 / 85 Keep filter cold before and after sampling. Samples are collected by connecting a filter cassette to a sorbent tube (closest to the pump). Protect samples from light after collection and ship samples cold overnight to the Lab. NONE Filter & Tube: Hydrogen peroxide filter 1 15 / 85 Keep filter cold before and after sampling. Samples are collected by connecting a filter cassette to a sorbent tube (closest to the pump). Protect samples from light after collection and ship samples cold overnight to the Lab. No interferences reported. No interferences reported. Peracetic acid and hydrogen peroxide can be sampled using the same sampling train. tible to collect more than one analyte on certain sampling media, the charges follows: § 3 / 9 / 9 / 9 / 9 / 8 / 8 / 5 / 8 / 8

rice [1]	Compat		TWA	STEL	A 1) / - I		
	Code [2]	Media [3]	Flow Rate (LPM)	Flow Rate or OK for Passive	Air Volume or Sampling Time for Passive [4]	Special Instructions/Interferences [5]	Reference Method [6]
570.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2	OK IOI Passive	12/20	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified OSH
						Petroleum distillates (PDs) are complex mixtures, quantitation of individual analytes may not be possible. Specify the PD on the sampling data sheet (Gasoline, Stoddard, etc.). Multiple PDs are reported as Petroleum Distillate Fraction.	
570.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		6/20	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOS 1550
						No interferences reported.	
80.00	LC-PHE	Sorbent Tubes: SKC 226-95 XAD-7 tube	0.05/0.1		6/24	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-LC-22: Modified OSHA 32
						Other compounds may interfere. Note any compounds present in the environment on the sampling data sheet.	
55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		1/20	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: In House Method
						No interferences reported.	
110.00	PDA	Filter: PDA Filter or SKC 225-9012	0.5/1		200/240	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-LC-20: Modified OSHA 87
						Other amine compounds may interfere, note presence on the sampling data sheet.	
110.00	PDA	Filter: PDA Filter or SKC 225-9012	0.5/1		200/240	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-LC-20: Modified OSH/ 87
						Other amine compounds may interfere, note presence on the sampling data sheet.	
110.00	PDA	Filter: PDA Filter or SKC 225-9012	0.5/1		200/240	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-LC-20: Modified OSH/ 87
						Other amine compounds may interfere, note presence on the sampling data sheet.	
\$55.00	NONE	Sorbent Tubes: SKC 226-95 XAD-7 tube	0.02/0.2		20	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-81: Modified OSHA PV2022
	NONE	Passive Sampler: Assay 566 OVM		No	120-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab. Use Assay 525 TraceAir II OVM for STEL sampling.	
						No interferences reported.	
often possil	ble to collect	more than one analyte on certain sampling me	dia, the charges		[3] PASSIVE AND	RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the	Lab.
cids/Anions Ildehydes	\$44.00 \$60.00	Metals by ICP \$28.00 Silica (see below) \$25.00	references		Disposable resp [4] VOLUME/TIM	sirable samplers (DRS) are \$17.00 each. E: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive sampling the sampling or Sampling Time in minutes for passive sampling Time in minutes for passive sampling the	mpling.
with the sam e sampled al	ne "Compat. (one.	Code" may be collected together.			[5] HANDLING: M temperatures v	lost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, becau ary - Travelers IH Lab recommends shipping samples cold overnight to the Lab.	
	80.00 55.00 10.00 10.00 10.00 55.00 often possil counted as faids/Anions dehydes is same air sa with the sam is sampled al adhere to th	80.00 LC-PHE 55.00 GC-U .10.00 PDA .10.00 PDA	tube 80.00 LC-PHE Sorbent Tubes: SKC 226-95 XAD-7 tube 55.00 GC-U Sorbent Tubes: SKC 226-09 Charcoal tube 10.00 PDA Filter: PDA Filter or SKC 225-9012 55.00 NONE Sorbent Tubes: SKC 226-95 XAD-7 tube NONE Sorbent Tubes: SKC 226-95 XAD-7 tube NONE Passive Sampler: Assay 566 OVM often possible to collect more than one analyte on certain sampling me counted as follows: ids/Anions \$44.00 Metals by ICP \$28.00 dehydes sample alone. Silica (see below) \$25.00 sample silica (see below) \$25.00 sample alone. adhere to the flow rates/air volumes, or sampling times for EACH comp sample alone. sampling times for EACH comp	tube 80.00 LC-PHE Sorbent Tubes: SKC 226-95 XAD-7 0.05 / 0.1 55.00 GC-U Sorbent Tubes: SKC 226-09 Charcoal 0.01 / 0.2 10.00 PDA Filter: PDA Filter or SKC 225-9012 0.5 / 1 10.00 PDA Filter: PDA Filter or SKC 225-9012 0.5 / 1 10.00 PDA Filter: PDA Filter or SKC 225-9012 0.5 / 1 10.00 PDA Filter: PDA Filter or SKC 225-9012 0.5 / 1 10.00 PDA Filter: PDA Filter or SKC 225-9012 0.5 / 1 10.00 PDA Filter: PDA Filter or SKC 225-9012 0.5 / 1 55.00 NONE Sorbent Tubes: SKC 226-95 XAD-7 0.02 / 0.2 tube NONE Passive Sampler: Assay 566 OVM 0.02 / 0.2 often possible to collect more than one analyte on certain sampling media, the charges counted as follows: ids/Anions \$44.00 Metals by ICP \$28.00 dehydes \$60.00 Stitca (see below) \$25.00 same air sample is \$120.00 per sample. Acid treatment to remove interferences with the same "Compat. Code" may be collected together. sampled alone. adhere to the flow rates/air volumes, or sampling times for EACH compound.	tube	tube 6/24 80.00 LC-PHE Sorbent Tubes: SKC 226-95 XAD-7 0.05 / 0.1 6 / 24 55.00 GC-U Sorbent Tubes: SKC 226-09 Charcoal 0.01 / 0.2 1 / 20 55.00 GC-U Sorbent Tubes: SKC 226-09 Charcoal 0.01 / 0.2 1 / 20 10.00 PDA Filter: PDA Filter or SKC 225-9012 0.5 / 1 200 / 240 10.00 PDA Filter: PDA Filter or SKC 225-9012 0.5 / 1 200 / 240 10.00 PDA Filter: PDA Filter or SKC 225-9012 0.5 / 1 200 / 240 10.00 PDA Filter: PDA Filter or SKC 225-9012 0.5 / 1 200 / 240 10.00 PDA Filter: PDA Filter or SKC 225-9012 0.5 / 1 200 / 240 10.00 PDA Filter: PDA Filter or SKC 225-9012 0.5 / 1 200 / 240 10.00 PDA Filter: PDA Filter or SKC 225-9012 0.5 / 1 200 / 240 10.00 PDA Filter: PDA Silter or SKC 225-9012 0.5 / 1 200 / 240 11.00 PDA Sorbent Tubes: SKC 226-95 XAD-7 0.02 / 0.2	nav, not be possible Specify the PD on the sampling data sheet. (Globaline, Staddard, etc.), MUIble PDs are reported as Performends refigerating samples are stable at room temperature. Traveles JHL Date commends refigerating samples are stable at room temperature. Traveles JHL Date commends refigerating samples are stable at room temperature. Traveles JHL Date commends refigerating samples are stable at room temperature. Traveles JHL Date commends refigerating samples are stable at room temperature. Traveles JHL Date commends refigerating samples are stable at room tube

TRAVELERS			INDU	SIRIAL	HYGIENE	LABORATO	JRY IH Helpline:	800-842-0355
IRAVELERSJ		Compat		TWA	STEL	Air Volume or		
Analyte	Price [1]	Code [2]	Media [3]	Flow Rate (LPM)	Flow Rate or OK for Passive	Sampling Time for Passive [4]	Special Instructions/Interferences [5]	Reference Method [6]
Phenyl glycidyl ether	\$55.00	GC 1	Sorbent Tubes: SKC 226-09 Charcoal tube	0.05/1		240/450	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-01: Modified NIOSH 1619
CAS RN: 122-60-1							No interferences reported.	
Phosphine	\$90.00	NONE	Filter: SKC 225-9018 Phosphine filter	1/2	2	240 / 335	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-ICP-13: Modified OSHA 1003
CAS RN: 7803-51-2							No interferences reported.	
Phosphoric Acid	\$70.00	IC 1	Sorbent Tubes: ORBO 53 Specially cleaned silica gel tube	0.02/0.2	0.5	30/96	Routine shipping.	TIC-IC-01: Modified OSHA II 165SG
CAS RN: 7664-38-2							Any soluble phosphate compounds may interfere, note presence on the sampling data sheet.	
Platinum, Metal	\$70.00	NONE	Filter: MCE Filter (37 mm)	1/3		240/1400	Routine shipping. Request PLATINUM METAL on the sampling data sheet.	TIC-ICP-01: Modified NIOSH 7303
CAS RN: 7440-06-4							No interferences reported.	
Platinum, Water Soluble Salts, as Pt	\$55.00	NONE	Filter: MCE Filter (37 mm)	1/3		500/1400	Routine shipping. Request WATER SOLUBLE PLATINUM on the sampling data sheet.	TIC-ICP-MS-07 Modified OSHA II 130SG
CAS RN: varies							No interferences reported.	
Polynuclear Aromatic Hydrocarbon Scan - NIOSH 5506	\$305.00	NONE	Filter & Tube: PTFE Filter followed by SKC 226-30-04 XAD-2 tube	1/2		200/1000	Collect samples by connecting a filter cassette to a sorbent tube (closest to the pump). Protect from sunlight. Transfer filter to a vial and refrigerate after sampling, ship cold overnight to the lab. Individual PAHs may be requested at \$85.	TIC-LC-12: Modified NIOSH 5506
CAS RN: varies							No interferences reported. Scan includes 16 compounds.	
Potassium Hydroxide	\$36.00	ICP H2O	Filter: PVC Filter (37 mm) – Preweighed	1/3	3	40 / 960	Routine shipping.	TIC-ICP-01: Modified OSHA II 121
CAS RN: 1310-58-3							All water soluble potassium compounds areincluded in the result.	
Propane	\$70.00	CS2DB5	Sorbent Tubes: Tandem Carbosieve SIII tubes – 2 tubes in series	0.1		5	Sample by placing 2 tubes in holders connected together. The tube closest to the pump is the BACK. After sampling: separate, cap and label tubes FRONT and BACK. Refrigerate samples after collection and ship cold overnight to the Lab.	TIC-GC-79: Modified OSHA PV2077
CAS RN: 74-98-6							Other compounds may interfere. Note any compounds present in the environment on the sampling data sheet.	
Propionic acid	\$70.00	ICOA	Sorbent Tubes: ORBO 53 Specially cleaned silica gel tube	0.05 / 0.2		10/18	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-IC-02: Modified OSHA PV2293
CAS RN: 79-09-4							Other compounds may interfere. Note any compounds present in the environment on the sampling data sheet.	
	e it is often pos	sible to collect	t more than one analyte on certain sampling me	dia, the charges		[3] PASSIVE AND	RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the	Lab.
for analysis of additional analytes ar	e discounted as	follows:		Ŭ		Assay 581/58	4/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each.	
Organic Solvents \$35.00 Isocyanates \$60.00	Acids/Anior Aldehydes		Metals by ICP \$28.00 Silica (see below) \$25.00				irable samplers (DRS) are \$17.00 each. E: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive sa	mpling.
Particulate, quartz and cristobalite of is an additional \$40 per sample.	on the same air s	sample is \$12	0.00 per sample. Acid treatment to remove inte	erferences		NA = not applic [5] HANDLING: M	able. ost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, beca	
[2] COMPATIBILITY CODES: Compo NONE indicates that the analyte mu If sampling for two or more compo	ist be sampled	alone.	Code" may be collected together. /air volumes, or sampling times for EACH comp	oound.			ary – Travelers IH Lab recommends shipping samples cold overnight to the Lab. IETHOD: Analytical methods are based on the listed references, but may be modified at the discretic	on of Travelers.

TRAVELERS	•		INDU	JSTRIAL	HYGIENE	LABORATO	DRY IH Helpline:	800-842-035
Analyte	Price [1]	Compat Code [2]	Media [3]	TWA Flow Rate (LPM)	STEL Flow Rate or OK for Passive	Air Volume or Sampling Time for Passive [4]	Special Instructions/Interferences [5]	Reference Method [6]
2-Propoxyethanol	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.05		4/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified OSH/ 83
		GC-U	Passive Sampler: Assay 566 OVM		No	90-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 2807-30-9							No interferences reported.	
n-Propyl acetate	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2	0.2	1/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1450
		GC-U	Passive Sampler: Assay 566 OVM		Yes	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 109-60-4							No interferences reported.	
n-Propyl alcohol	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		2/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1401
		GC-U	Passive Sampler: Assay 566 OVM		No	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 71-23-8							No interferences reported.	
n-Propyl bromide	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		30	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified OSHA PV2061
		GC-U	Passive Sampler: Assay 525 TraceAir II OVM		No	480-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 106-94-5							trans-1,2-Dichloroethylene may interfere, note presence on the sampling data	
Propylene glycol	\$80.00	GC 12	Filter & Tube: SKC 226-57 XAD-7 OVS	0.5/2		25/60	Refrigerate samples after collection and ship cold overnight to the Lab. The sampler contains a filter and sorbent material in a single tube.	TIC-GC-17: Modified NIOSH 5523
CAS RN: 57-55-6							No interferences reported.	
Propylene glycol-1-methyl ether-2-acetate	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.02/0.1		6/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified OSHA 99
		GC-U	Passive Sampler: Assay 566 OVM		No	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 108-65-6							No interferences reported.	
Propylene glycol monomethyl ether	\$55.00	GC-U	Sorbent Tubes: SKC 226–09 Charcoal tube	0.01/0.1	0.1	3 / 10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified OSHA 99
		GC-U	Passive Sampler: Assay 566 OVM		Yes	30-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 107-98-2							No interferences reported.	
for analysis of additional analytes are Organic Solvents \$35.00 Isocyanates \$60.00 Particulate, quartz and cristobalite o is an additional \$40 per sample. [2] COMPATIBILITY CODES: Compou	e discounted as Acids/Anior Aldehydes on the same air unds with the sa	s follows: ns \$44.00 \$60.00 sample is \$12 ame "Compat.	t more than one analyte on certain sampling me Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove inte Code" may be collected together.			Assay 581/58 Disposable resp [4] VOLUME/TIM NA = not applic [5] HANDLING: M temperatures v	Nost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, beca vary - Travelers IH Lab recommends shipping samples cold overnight to the Lab.	mpling. use shipping
[2] COMPATIBILITY CODES: Compound NONE indicates that the analyte mu If sampling for two or more compound	ist be sampled unds, adhere to	alone. the flow rates	i/air volumes, or sampling times for EACH com		ers Umbrella logo a	temperatures v [6] REFERENCE M		

TRAVELERS J			INDU	SIRIAL	HIGIENE!	LABORATO		800-842-035
Analyte	Price [1]	Compat Code [2]	Media [3]	TWA Flow Rate (LPM)	STEL Flow Rate or OK for Passive	Air Volume or Sampling Time for Passive [4]	Special Instructions/Interferences [5]	Reference Method [6]
Propylene oxide	\$55.00	NONE	Sorbent Tubes: SKC 226-09 Charcoal tube	0.02 / 0.2		10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-01: Modified NIOS 1612
		NONE	Passive Sampler: Assay 566 OVM		No	180-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 75-56-9							Acetone or isopropyl alcohol may interfere, note presence on the sampling data	
Pyrethrum	\$90.00	NONE	Filter: Glass Fiber Filter (37 mm)	1/3		15/400	Routine shipping.	TIC-LC-18: Modified NIOSI 5008
CAS RN: 8003-34-7							No interferences reported.	
Pyridine	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.05/1		115/150	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSI 1613
		GC-U	Passive Sampler: Assay 525 TraceAir II OVM		No	120-480 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 110-86-1							No interferences reported.	
Quartz, Respirable	\$75.00	XRD	Filter: Disposable Respirable Sampler (DRS)	2		840/960	Routine shipping. Using a 2.0 LPM flow rate is CRITICAL when using a Disposable Respirable Sampler (DRS). Request RESPIRABLE SILICA (quartz and cristobalite). Respirable samplers (DRS) are billed \$17 each when shipped.	TIC-XRD-01: Modified NIOSI 7500
CAS RN: 14808-60-7							Note interferences on the sampling data sheet: mica, potash, feldspar, zircon, graphite, aluminosilicate, calcite. High dust loading may increase the MRL. If needed, acid treatment to remove interferences is an additional \$40 per sample.	
Resorcinol	\$80.00	LC-PHE	Sorbent Tubes: SKC 226-95 XAD-7 tube	0.1/0.2	0.1	6/24	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-LC-22: Modified OSH/ 32
CAS RN: 108-46-3							Other compounds may interfere. Note any compounds present in the environment on the sampling data sheet.	
Selenium	\$36.00	ICP 001	Filter: MCE Filter (37 mm)	1/3		500 / 960	Routine shipping. May be sampled using a PVC filter if particulate is also desired. No interferences reported.	TIC-ICP-01: Modified OSHA 125G/NIOSH
CAS RN: 7782-49-2 Sevoflurane	\$77.00	AnestCS2	Sorbent Tubes: SKC 226-83 Anasorb	0.05		1/14	Most NIOSH and OSHA methods indicate that samples are stable at room	7300 TIC-GC-02:
Seventiane	<i>\$77.00</i>	/ incorcoz	747 tube	0.00		1/11	temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	Modified OSH/ 103
		GC-E	Passive Sampler: SKC 575–002 Anasorb 747 Sampler		No	30-480 mins	Bring sampler to AMBIENT TEMPERATURE before sampling. Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 28523-86-6							No interferences reported.	
Silica, Crystalline Bulk	\$140.00	XRD BULK	1 tablespoon of sample in an unbreakable container	NA		NA	Routine shipping. Specify which polymorph(s) of silica are to be reported (quartz, cristobalite and/or trydimite). Results are reported as weight %.	TIC-XRD-01: Modified NIOSI 7500
CAS RN: 7631-86-9							Identify sample matrix. Give as much information as possible as to what other minerals are present.	
for analysis of additional analytes a Organic Solvents \$35.00 Isocyanates \$60.00 Particulate, quartz and cristobalite is an additional \$40 per sample. [2] COMPATIBILITY CODES: Compo NONE indicates that the analyte m	re discounted as Acids/Anior Aldehydes on the same air ounds with the sa ust be sampled	s follows: 1s \$44.00 \$60.00 sample is \$120 ame "Compat. alone.	more than one analyte on certain sampling me Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove inte Code" may be collected together. /air volumes, or sampling times for EACH comp	rferences	_	Assay 581/584 Disposable resp [4] VOLUME/TIM NA = not applic [5] HANDLING: M temperatures v	RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the 4/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. birable samplers (DRS) are \$17.00 each. IE: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive sa able. Iost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, beca rary - Travelers IH Lab recommends shipping samples cold overnight to the Lab. METHOD: Analytical methods are based on the listed references, but may be modified at the discretion	ampling. use shipping

TRAVELERS			INDU	JSTRIAL	HYGIENE	LABORATO	JRY IH Helpli	ne: 800-842-0355
INAVELENJ		Compat		TWA Flow Rate	STEL Flow Rate or	Air Volume or Sampling Time		Reference
Analyte	Price [1]	Code [2]	Media [3]	(LPM)	OK for Passive	for Passive [4]	Special Instructions/Interferences [5]	Method [6]
Silver	\$36.00	ICP 001	Filter: MCE Filter (37 mm)	1/3		960/1400	Routine shipping. Request SILVER METAL on the sampling data sheet.	TIC-ICP-01: Modified OSHA II 125G/NIOSH
CAS RN: 7440-22-4	+						No interferences reported.	7300
Silver, Water Soluble	\$36.00	ICP H2O	Filter: PVC Filter (37 mm) - Preweighed	1/3		1200/1400	Routine shipping. Note "WATER SOLUBLE" on the sampling data sheet.	TIC-ICP-01: Modified OSHA ID 125G/NIOSH 7300
CAS RN: varies							No interferences reported.	/ 300
Sodium bisulfite	\$36.00	ICP H2O	Filter: PVC Filter (37 mm) - Preweighed	1/3		120/960	Routine shipping.	TIC-ICP-01: Modified OSHA ID 125G/NIOSH
CAS RN: 7631-90-5							All water soluble sodium compounds are included in the result.	7300
Sodium Hydroxide	\$36.00	ICP H2O	Filter: PVC Filter (37 mm) - Preweighed	1/3	3	120/960	Routine shipping.	TIC-ICP-01: Modified OSHA ID 121
CAS RN: 1310-73-2							All water soluble sodium compounds are included in the result.	
Sodium, Water Soluble	\$36.00	ICP H2O	Filter: PVC Filter (37 mm) - Preweighed	1/3		120/960	Routine shipping. Note "WATER SOLUBLE" on the sampling data sheet.	TIC-ICP-01: Modified OSHA ID 125G/NIOSH
CAS RN: varies							No interferences reported.	7300
Stoddard solvent as Total Hydrocarbons	\$70.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		9/20	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection a shipping cold overnight to the Lab.	TIC-GC-86: Modified OSHA 48
		GC-U	Passive Sampler: Assay 566 OVM		No	90-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 8052-41-3							Petroleum distillates (PDs) are complex mixtures, quantitation of individual analyte may not be possible. Specify the PD on the sampling data sheet (Gasoline, Stoddar etc.). Multiple PDs are reported as Petroleum Distillate Fraction.	
Strontium	\$36.00	NONE	Filter: MCE Filter (37 mm)	1/3		240/960	Finely divided metal IGNITES SPONTANEOUSLY IN AIR.	TIC-ICP-01:
CAS RN: 7440-24-6				,		,	No interferences reported.	Modified OSHA ID 125G/NIOSH 7300
Styrene monomer	\$55.00	GC 11	Sorbent Tubes: SKC 226-73 Coated charcoal tube	0.02 / 0.05	0.05	2/18	Keep media cold before and after sampling. Ship samples cold overnight to the Lab do not ship on Fridays.	TIC-GC-86: Modified OSHA 89
		GC-U	Passive Sampler: Assay 566 OVM		Yes	60-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 100-42-5							No interferences reported.	
Sulfur Dioxide	\$70.00	NONE	Filter: Sulfur Dioxide (SO2) Filter	0.5 / 1.5	1.5	60/200	Routine shipping.	TIC-IC-05: Modified NIOSH
CAS RN: 7446-09-5							Sulfur trioxide gas can act as a positive interference.	6004
Sulfuric Acid	\$70.00	IC 1	Sorbent Tubes: ORBO 53 Specially cleaned silica gel tube	0.02/0.2		90/96	Routine shipping.	TIC-IC-01: Modified OSHA ID 165SG
CAS RN: 7664-93-9							Any soluble sulfate compound may interfere, note presence on the sampling data sheet.	
for analysis of additional analytes ar Organic Solvents \$35.00 Isocyanates \$60.00 Particulate, quartz and cristobalite o is an additional \$40 per sample.	re discounted as Acids/Anior Aldehydes on the same air	s follows: ns \$44.00 \$60.00 sample is \$12	more than one analyte on certain sampling me Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove inte			Assay 581/58 Disposable resp [4] VOLUME/TIM NA = not applic [5] HANDLING: M	lost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, b	e sampling.
[2] COMPATIBILITY CODES: Compo NONE indicates that the analyte mu If sampling for two or more compo	ust be sampled	alone.	Code" may be collected together. /air volumes, or sampling times for EACH com	pound.			ary – Travelers IH Lab recommends shipping samples cold overnight to the Lab. IETHOD: Analytical methods are based on the listed references, but may be modified at the disc	retion of Travelers.
Prices subject to change without notice	e. © 2024 T	he Travelers In	demnity Company. All rights reserved. Traveler	s and the Travel	ers Umbrella logo ai	re registered trader	narks of The Travelers Indemnity Company in the US and other countries.	

TRAVELERS			INDU	SIRIAL	HYGIENE	LABORATO	JRY IH Helpline:	800-842-035
Analyte	Price [1]	Compat Code [2]	Media [3]	TWA Flow Rate (LPM)	STEL Flow Rate or OK for Passive	Air Volume or Sampling Time for Passive [4]	Special Instructions/Interferences [5]	Reference Method [6]
1,1,2,2-Tetrachloroethane	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		30	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1019
		GC-U	Passive Sampler: Assay 566 OVM		No	360-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 79-34-5							No interferences reported.	
Tetrachloroethylene	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2	0.2	3 / 40	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1003
		GC-U	Passive Sampler: Assay 566 OVM		Yes	30-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 127-18-4							No interferences reported.	
Tetraethyl Lead, as Pb	\$100.00	NONE	Filter & Tube: Glass Fiber Filter followed by SKC 226-09 charcoal tube	0.5/1		180/480	Samples are collected by connecting a filter cassette to a sorbent tube (closest to the pump). After sampling, discard the glass fiber filter and cap both ends of the tube. Refrigerate samples after collection and ship cold overnight to the Lab.	TIC-ICP-12: Modified OSHA II House File
CAS RN: 78-00-2							Other volatile lead compounds will interfere, note presence on the sampling data sheet.	
Tetrahydrofuran	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2	0.2	2/9	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1609
		GC-U	Passive Sampler: Assay 566 OVM		Yes	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 109-99-9							No interferences reported.	
Thallium	\$36.00	NONE	Filter: MCE Filter (37 mm)	1/3		960	Routine shipping. May be sampled using a PVC filter if particulate is also desired.	TIC-ICP-01: Modified OSHA II 125G/NIOSH
CAS RN: 7440-28-0 Tin	\$36.00	ICP 001	Filter: MCE Filter (37 mm)	1/3		120/960	No interferences reported. Routine shipping. May be sampled using a PVC filter if particulate is also desired.	7300 TIC-ICP-01:
1	\$30.00			1/5		1207 500		Modified OSHA II 125G/NIOSH
CAS RN: 7440-31-5							No interferences reported.	7300
Tin, Organic Compounds as Sn	\$200.00	NONE	Filter & Tube: SKC 226-30-16 XAD-2 OVS	1/1.5	1.5	60 / 480	Call lab when organotin compounds are to be sampled. SHIP OVERNIGHT ON DRY ICE immediately after sampling, do not ship on Fridays. Organotin samples should be analyzed within 7 days of collection, RUSH ANALYSIS FEES MAY APPLY.	TIC-ICP-MS-05 Modified NIOSH 5504
CAS RN: varies							Inorganic tin and other organic tin compounds may interfere, note presence on the sampling data sheet. Results are not speciated and reported as total organic tin.	
Titanium	\$36.00	NONE	Filter: MCE Filter (37 mm)	1/3	2	240/960	Routine shipping. Titanium dioxide is reported as total particulates.	TIC-ICP-01: Modified OSHA II 125G/NIOSH
CAS RN: 7440-32-6							No interferences reported.	7300
for analysis of additional analytes ar Organic Solvents \$35.00 Isocyanates \$60.00 Particulate, quartz and cristobalite o is an additional \$40 per sample. [2] COMPATIBILITY CODES: Compor NONE indicates that the analyte mu	e discounted as Acids/Anior Aldehydes on the same air s unds with the sa ust be sampled	s follows: 1s \$44.00 \$60.00 sample is \$120 ame "Compat. alone.	t more than one analyte on certain sampling med Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove inte Code" may be collected together. ;/air volumes, or sampling times for EACH comp	rferences		Assay 581/58 Disposable resp [4] VOLUME/TIM NA = not applic [5] HANDLING: M temperatures v	RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the 4/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. birable samplers (DRS) are \$17.00 each. E: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive sa able. lost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, beca ary - Travelers IH Lab recommends shipping samples cold overnight to the Lab. IETHOD: Analytical methods are based on the listed references, but may be modified at the discretion	mpling. use shipping

TRAVELERS			INDU	SIRIAL	HYGIENEI	LABORATO	JRY IH Helpline:	800-842-035
Analyte	Price [1]	Compat Code [2]	Media [3]	TWA Flow Rate (LPM)	STEL Flow Rate or OK for Passive	Air Volume or Sampling Time for Passive [4]	Special Instructions/Interferences [5]	Reference Method [6]
Foluene	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2	0.2	4/12	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSI 1501
		GC-U	Passive Sampler: Assay 566 OVM		No	30-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 108-88-3							No interferences reported.	
Foluene-2,4-diisocyanate	\$100.00	NCO	Filter: Isocyanate (NCO) Filter - Open- faced	0.5/1	1	240	Keep media cold before and after sampling. Before sampling: Remove the top of the 3- piece filter cassette (section w/o wagon wheel design). After sampling: Replace the top of the cassette and plugs. Ship samples cold overnight to the Lab.	TIC-LC-03: Modified OSH/ 5002
CAS RN: 584-84-9							Note presence of other isocyanates in the environment on the sampling data sheet.	
Foluene-2,6-diisocyanate	\$100.00	NCO	Filter: Isocyanate (NCO) Filter - Open- faced	0.5/1	1	240	Keep media cold before and after sampling. Before sampling: Remove the top of the 3- piece filter cassette (section w/o wagon wheel design). After sampling: Replace the top of the cassette and plugs. Ship samples cold overnight to the Lab.	TIC-LC-03: Modified OSHA 5002
CAS RN: 91-08-7							Note presence of other isocyanates in the environment on the sampling data sheet.	
Total Hydrocarbons	\$70.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.05/0.2	0.2	6/12	Refrigerate samples after collection and ship samples cold overnight to the Lab. Request TOTAL HYDROCARBONS (AS TOLUENE if aromatic based compounds are predominant).	TIC-GC-86: In House Method
CAS RN: varies							Many organic solvents collect on charcoal and will be included in results. All peaks are summed and quantified as n-hexane (or toluene).	
Tributyl phosphate	\$115.00	GC17	Filter: MCE Filter (37 mm)	1/3		30/100	Refrigerate samples after collection and ship cold overnight to the Lab. Sample with two MCE filters in tandem if the temperature is above 73° F.	TIC-GC-39: Modified NIOSH 5034
CAS RN: 126-73-8							No interferences reported.	
Trichloroacetic acid	\$95.00	NONE	Sorbent Tubes: ORBO 53 Specially cleaned silica gel tube	0.20/0.5		10/20	Refrigerate samples after collection and ship cold overnight to the Lab.	TIC-LC-38: Modified OSHA PV2017
CAS RN: 76-03-9							No interferences reported.	
1,1,1-Trichloroethane	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2	0.2	1/8	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1003
		GC-U	Passive Sampler: Assay 566 OVM		Yes	15-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 71-55-6							No interferences reported.	
1,1,2-Trichloroethane	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		10/60	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1003
		GC-U	Passive Sampler: Assay 525 TraceAir II OVM		No	240-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 79-00-5							No interferences reported.	
for analysis of additional analytes ar Organic Solvents \$35.00 Isocyanates \$60.00 Particulate, quartz and cristobalite is an additional \$40 per sample. [2] COMPATIBILITY CODES: Compo NONE indicates that the analyte m	e discounted as Acids/Anior Aldehydes on the same air s unds with the sa ust be sampled	s follows: ns \$44.00 \$60.00 sample is \$12 nme "Compat. alone.	t more than one analyte on certain sampling mer Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove inte Code" may be collected together. ;/air volumes, or sampling times for EACH comp	rferences		Assay 581/58 Disposable resp [4] VOLUME/TIM NA = not applic [5] HANDLING: M temperatures v	RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the 4/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. birable samplers (DRS) are \$17.00 each. E: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive sa able. ost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, becau ary – Travelers IH Lab recommends shipping samples cold overnight to the Lab. IETHOD: Analytical methods are based on the listed references, but may be modified at the discretic	mpling. Jse shipping

TRAVELERSJ			INDU	JSTRIALI	HYGIENE	LABORATO	JRY IH Helpline:	800-842-035
Analyte	Price [1]	Compat Code [2]	Media [3]	TWA Flow Rate (LPM)	STEL Flow Rate or OK for Passive	Air Volume or Sampling Time for Passive [4]	Special Instructions/Interferences [5]	Reference Method [6]
Trichloroethylene	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2	0.2	9/30	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOS 1022
		GC-U	Passive Sampler: Assay 566 OVM		Yes	90-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 79-01-6							No interferences reported.	
Trichlorofluoromethane	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.05	0.05	1/7	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOS 1006
		GC-U	Passive Sampler: Assay 566 OVM		No	30-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 75-69-4							No interferences reported.	
1,1,2-Trichloro-1,2,2- trifluoroethane	\$77.00	NONE	Sorbent Tubes: SKC 226–09 Charcoal tube	0.01/0.05	0.05	1/3	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-01: Modified NIOSI 1020
		NONE	Passive Sampler: Assay 566 OVM		Yes	15-90 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 76-13-1							Ether or hexane may interfere, note presence on the sampling data sheet.	
Friethanolamine	\$100.00	IC 2	Sorbent Tubes: SKC 226-98 Coated XAD-7 tube	0.2		100/120	Routine shipping.	TIC-IC-11: Modified NIOSI 3509
CAS RN: 102-71-6							Other amine compounds may interfere, note presence on the sampling data sheet.	
Triethylamine	\$90.00	AMINE2	Sorbent Tubes: SKC 226-98 Coated XAD-7 tube	0.05/0.2	0.2	20	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-20: Modified OSHA PV2060
CAS RN: 121-44-8							Other amine compounds may interfere, note presence on the sampling data sheet.	
Triethylenetetramine	\$110.00	NONE	Sorbent Tubes: SKC 226-30-18 Coated XAD-2 tube	0.01/0.1		4/20	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-LC-14: Modified OSH/ 60/NIOSH 254
CAS RN: 112-24-3							No interferences reported.	
Triglycidyl isocyanurate	\$115.00	NONE	Filter: Glass Fiber Filter (37 mm)	1/2		400 / 480	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-41: Ir House Method
CAS RN: 2451-62-9							No interferences reported.	
Trimethylamine	\$90.00	AMINE2	Sorbent Tubes: SKC 226-98 Coated XAD-7 tube	0.05 / 0.2	0.2	6/20	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-20: Modified OSH/ PV2060
CAS RN: 75-50-3							Other amine compounds may interfere, note presence on the sampling data sheet.	
for analysis of additional analytes a Organic Solvents \$35.00 Isocyanates \$60.00 Particulate, quartz and cristobalite is an additional \$40 per sample. [2] COMPATIBILITY CODES: Compo	re discounted as Acids/Anior Aldehydes on the same air ounds with the sa	s follows: ns \$44.00 \$60.00 sample is \$12 ame "Compat.	more than one analyte on certain sampling me Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove inte Code" may be collected together.			Assay 581/58 Disposable resp [4] VOLUME/TIM NA = not applic [5] HANDLING: M temperatures v	Nost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, becau vary - Travelers IH Lab recommends shipping samples cold overnight to the Lab.	npling. Ise shipping
NONE indicates that the analyte m If sampling for two or more compo	ounds, adhere to	the flow rates	/air volumes, or sampling times for EACH com				METHOD: Analytical methods are based on the listed references, but may be modified at the discretion marks of The Travelers Indemnity Company in the US and other countries.	n of Travelers.

	Price [1]	Compat Code [2]	Media [3]	TWA Flow Rate (LPM)	STEL Flow Rate or OK for Passive	Air Volume or Sampling Time for Passive [4]	Special Instructions/Interferences [5]	Reference Method [6]
Trimethyl benzenes, all isomers	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		3/10	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified OSHA 5000
		GC-U	Passive Sampler: Assay 566 OVM		No	60-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 25551-13-7							No interferences reported.	
Friphenyl phosphate	\$115.00	GC17	Filter: MCE Filter (37 mm)	1/3		18/400	Routine shipping.	TIC-GC-39: Modified NIOSF 5038
CAS RN: 115-86-6							No interferences reported.	
Fungsten Metal	\$36.00	ICP 001	Filter: MCE Filter (37 mm)	1/3		60 / 960	Routine shipping. If total particulate is also desired, sample using a Preweighed PVC filter. Respirable samples may be collected at a 2.0 LPM flow rate on a preweighed Disposable Respirable Sampler (DRS) – see Particulate, Respirable instructions.	TIC-ICP-01: Modified NIOSH 7300
CAS RN: 7440-33-7							Analysis is for Tungsten Metal only - see also Tungsten and Compounds as W or Tungsten Water Soluble Compounds.	
	\$80.00	WINSOL	Filter: MCE Filter (37 mm)	1/3	3	240/960	Routine shipping. Request INSOLUBLE TUNGSTEN on the sampling data sheet.	TIC-ICP-02: Modified OSHA II 213
CAS RN: varies							Analysis is for total tungsten and includes insoluble and soluble tungsten compounds.	
Tungsten, Water Soluble Compounds as W	\$36.00	NONE	Filter: PVC Filter (37 mm) - Preweighed	1/3	3	60/960	Routine shipping. Request SOLUBLE TUNGSTEN on the sampling data sheet.	TIC-ICP-02: Modified OSHA II 213
CAS RN: varies							No interferences reported.	
Turpentine as Total Hydrocarbons	\$70.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		30	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSH 1551
		GC-U	Passive Sampler: Assay 566 OVM		No	240-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 8006-64-2							Petroleum distillates (PDs) are complex mixtures, quantitation of individual analytes may not be possible. Specify the PD on the sampling data sheet (Gasoline, Stoddard, etc.). Multiple PDs are reported as Petroleum Distillate Fraction.	
	\$36.00	ICP 001	Filter: MCE Filter (37 mm)	1/3		240/960	Routine shipping. May be sampled using a PVC filter if particulate is also desired.	TIC-ICP-01: Modified OSHA II 125G/NIOSH
CAS RN: 7440-62-2	\$36.00		Filter: MCE Filter (37 mm)	1/3		1200	No interferences reported. Routine shipping. If total particulate is also desired, sample using a Preweighed PVC	7300 TIC-ICP-01:
Vanadium Pentoxide fume as V205	\$50.00	ICP 001	Filler. MCE Filler (37 mm)	1/5		1200	filter. Respirable samples may be collected at a 2.0 LPM flow rate on a preweighed PVC Disposable Respirable Sampler (DRS) – see Particulate, Respirable instructions.	Modified OSHA II 125G/NIOSH 7300
CAS RN: 1314-62-1							All sources of vanadium are included in the result.	
for analysis of additional analytes are di Organic Solvents \$35.00 Isocyanates \$60.00	liscounted as Acids/Anions Aldehydes	follows: s \$44.00 \$60.00	more than one analyte on certain sampling mer Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove inte	-		Assay 581/58 Disposable resp [4] VOLUME/TIM NA = not applic	 RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the 4/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. birable samplers (DRS) are \$17.00 each. B: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive satable. lost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, becan 	mpling.
[2] COMPATIBILITY CODES: Compound NONE indicates that the analyte must be analyte must be a	be sampled a	lone.	Code" may be collected together. /air volumes, or sampling times for EACH comp	oound.		temperatures v	ary - Travelers IH Lab recommends shipping samples cold overnight to the Lab. IETHOD: Analytical methods are based on the listed references, but may be modified at the discretic	

TRAVELERS J			INDO			LABORATO		800-842-035
		Compat		TWA Flow Rate	STEL Flow Rate or	Air Volume or Sampling Time		Reference
Analyte	Price [1]	Code [2]	Media [3]	(LPM)	OK for Passive	for Passive [4]	Special Instructions/Interferences [5]	Method [6]
Vinyl acetate	\$55.00	NONE	Sorbent Tubes: ORBO 92 Carboxen 564 tube	0.05/0.1	0.2	3/24	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-69: Modified OSHA 51
		GC-U	Passive Sampler: Assay 566 OVM		No	60-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 108-05-4							No interferences reported.	
Vinyl chloride	\$77.00	NONE	Sorbent Tubes: Tandem 226-01 Charcoal tubes - 2 tubes in series	0.05	0.1	2/5	Sample by placing 2 tubes in holders connected together. The tube closest to the pump is the BACK. After sampling: separate, cap and label tubes FRONT and BACK. Refrigerate samples after collection and ship cold overnight to the Lab.	TIC-GC-86: Modified NIOSI 1007
		GC-U	Passive Sampler: Assay 566 OVM		No	180-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 75-01-4							No interferences reported.	
Vinyl cyclohexene	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.2 / 1.5		60/120	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-01: In House Method
		GC-U	Passive Sampler: Assay 525 TraceAir II OVM		No	120-480 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 100-40-3							No interferences reported.	
N-Vinyl-2-pyrrolidone	\$70.00	GC 9	Sorbent Tubes: SKC 226-09 Charcoal tube	0.05 / 0.2		60/120	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-67: Modified OSHA PV2106
		GC-U	Passive Sampler: Assay 525 TraceAir II OVM		No	480-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 88-12-0							No interferences reported.	
Vinyl toluene	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2	0.2	6/30	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSI 1501
		GC-U	Passive Sampler: Assay 566 OVM		No	60-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 25013-15-4							No interferences reported.	
Volatile Organic Compounds by GCMS	\$200.00	NONE	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2		3/90	Identification of up to 10 peaks (greater than response of 0.87 μg/mL toluene) specifically or compound class (e.g. aliphatic hydrocarbon) by comparison to Lab and NIST spectral libraries. The largest peak is quantified against the response of toluene.	TIC-GCMS-01: House Method
CAS RN: varies							No interferences reported. Additional compounds can be quantified for an additional cost.	
				19 at 1				
[1] ADDITIONAL ANALYTES: Becaus for analysis of additional analytes ar Organic Solvents \$35.00 Isocyanates \$60.00	e it is often pos e discounted as Acids/Anior Aldehydes	s follows: ns \$44.00	t more than one analyte on certain sampling mer Metals by ICP \$28.00 Silica (see below) \$25.00	dia, the charges		Assay 581/584 Disposable resp	RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the 4/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. pirable samplers (DRS) are \$17.00 each. E: Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive sa	
Particulate, quartz and cristobalite of is an additional \$40 per sample. [2] COMPATIBILITY CODES: Compose			0.00 per sample. Acid treatment to remove inte	rferences			able. ost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, becau ary - Travelers IH Lab recommends shipping samples cold overnight to the Lab.	use shipping
NONE indicates that the analyte mu If sampling for two or more compo			air volumes, or sampling times for EACH comp	oound.			ETHOD: Analytical methods are based on the listed references, but may be modified at the discretion	on of Travelers.

			INDU	ISTRIAL	HYGIENE	ABORATO	DRY IH Helpline:	800-842-035
TRAVELERS	Price [1]	Compat Code [2]	Media [3]	TWA Flow Rate (LPM)	STEL Flow Rate or OK for Passive	Air Volume or Sampling Time for Passive [4]	Special Instructions/Interferences [5]	Reference Method [6]
Xylenes (o-,m- and p- isomers)	\$55.00	GC-U	Sorbent Tubes: SKC 226-09 Charcoal tube	0.01/0.2	0.2	3/23	Most NIOSH and OSHA methods indicate that samples are stable at room temperature. Travelers IH Lab recommends refrigerating samples after collection and shipping cold overnight to the Lab.	TIC-GC-86: Modified NIOSI 1501
		GC-U	Passive Sampler: Assay 566 OVM		No	30-720 mins	Avoid temperature exceeding 90°F. During the summer months ship samples overnight to the Lab.	
CAS RN: 1330-20-7							No interferences reported.	
m-Xylylenediamine	\$110.00	NONE	Filter: PDA Filter or SKC 225-9012	NA	1	15	Routine shipping. The p-isomer (p-Xylenediamine) can also be collected and analyzed.	TIC-LC-39: Modified OSHA 105
CAS RN: 1477-55-0							No interferences reported.	
Yttrium	\$36.00	ICP 001	Filter: MCE Filter (37 mm)	1/3		120/960	Routine shipping. May be sampled using a PVC filter if particulate is also desired.	TIC-ICP-01: Modified OSHA 125G/NIOSH
CAS RN: 7440-65-5							No interferences reported.	7300
Zinc	\$36.00	ICP 001	Filter: MCE Filter (37 mm)	1/3	2	120/960	Routine shipping. May be sampled using a PVC filter if particulate is also desired.	TIC-ICP-01: Modified OSHA 125G/NIOSH
CAS RN: 7440-66-6							No interferences reported.	7300
Zinc chloride	\$36.00	ICP H2O	Filter: PVC Filter (37 mm) - Preweighed	1/3	3	60 / 960	Routine shipping.	TIC-ICP-01: Modified OSHA 125G/NIOSH 7300
CAS RN: 7646-85-7							All water soluble zinc compounds are included in the result.	/ 300
Zinc oxide	\$36.00	ICP 001	Filter: MCE Filter (37 mm)	1/3	2	120/960	Routine shipping. If total particulate is also desired, sample using a Preweighed PVC filter. Respirable samples may be collected at a 2.0 LPM flow rate on a preweighed Disposable Respirable Sampler (DRS) – see Particulate, Respirable instructions. Method cannot distinguish dust from fume. Other zinc compounds may be detected	TIC-ICP-01: Modified OSHA 125G/NIOSH 7300
CAS RN: 1314-13-2							and included in the result. May be sampled as total particulate as an alternate option.	
Zirconium	\$36.00	ICP 001	Filter: MCE Filter (37 mm)	1/3	2	60 / 960	Routine shipping. May be sampled using a PVC filter if particulate is also desired.	TIC-ICP-01: Modified OSHA
CAS RN: 7440-67-7							No interferences reported.	125G/NIOSH 7300
for analysis of additional analytes a Organic Solvents \$35.00 Isocyanates \$60.00 Particulate, quartz and cristobalite is an additional \$40 per sample. [2] COMPATIBILITY CODES: Compo NONE indicates that the analyte m	re discounted as Acids/Anior Aldehydes on the same air s unds with the sa ust be sampled	s follows: IS \$44.00 \$60.00 sample is \$120 Ime "Compat. alone.	more than one analyte on certain sampling me Metals by ICP \$28.00 Silica (see below) \$25.00 0.00 per sample. Acid treatment to remove into Code" may be collected together. /air volumes, or sampling times for EACH comp	erferences		Assay 581/58 Disposable resp [4] VOLUME/TIM NA = not applic [5] HANDLING: M temperatures v	 RESPIRABLE SAMPLERS: Passive and/or respirable samplers will be billed when shipped from the 4/586 and SKC 575-005 Monitors are \$20 each, all other passive samplers are \$16 each. birable samplers (DRS) are \$17.00 each. Recommended Air Volume in Liters for active sampling or Sampling Time in minutes for passive sa able. lost NIOSH or OSHA methods indicate that samples are stable at room temperature, however, beca ary - Travelers IH Lab recommends shipping samples cold overnight to the Lab. AETHOD: Analytical methods are based on the listed references, but may be modified at the discretion 	ampling. use shipping

Page of										
TRAVELERS	TRAVELERS RISK CONTROL LABORATORY 99 LAMBERTON RD WINDSOR CT 06095-2127									
	Phone: 860-687-7400 Fax:	860-687-7430								
	Help Line: 1-800-842-0355	travelerslab.com								
PLEASE RETURN EQUIPMENT TO THE ADDRESS ABOVE										
	SEND REPORT TO:	Check if change of address								
Name:										
Company:										
Address:										
City, State, ZIP Code:										
Phone #:										
E-Mail Address:										

ADOBE ACROBAT READER IS RECOMMENDED WHEN COMPLETING THIS FORM

Standard Turn-Around Time (5 Business Days)

3 Business Day RUSH (50% surcharge is applied.)

2 Business Day RUSH (100% surcharge is applied.)

1 Business Day RUSH (200% surcharge is applied.)

ALL RUSH REQUESTS MUST BE AUTHORIZED PRIOR TO SAMPLE SUBMISSION LAB CONTACT WHO AUTHORIZED RUSH REQUEST:

	SEND INVOICE TO:	Check if same as Send Report To
Name:		
Company:		
Address:		
City, State, ZIP Code:	:	
Phone #:		
E-Mail Address:		
PO #:		
	Call for Credit Card Information (Mag	sterCard or Visa)

Survey Date:		Locati	ion Sampled:		Shift Duration:							rs)	Calibrator Barcode:	
Sample or	Sample Description	Job Task	Sampling Media		Samplin		Time (1)	Pump	Flow Rates (LPM) (2			Flow Rate	Sample Volume	Analyte(s) Requested
Filter # or Persor	or Person Sampled	(please choose one)	(please choose one)		Start (i.e. 7:33)	Stop (i.e. 16:08)	Total Minutes Sampled	Barcode	Pre	Post	Average		Liters	(review analyte compatibility codes in the Travelers Air Sampling Guidelines)
1234-5678	.Example P L	Welding – Carbon A	PVC filter - preweighed	EX	08:35	15:45	430	00001234	2,010	2.024	2.017	2.017	867.3	manganese, iron oxde LE DATA
Notes:									*	An ast	erisk indi	cates that	the pump	flow rate changed by more than 5%. The lower flow rate,
		using military format (8 ers per minute (LPM)	3:35 am = 08:35, 3:45 pm =	= 15:45,	do not e	xceed 24	hours)							calculate the sample air volume.
		Print Name						Date						
Submitted by	/													
Received by ((LAB)													

Special Instructions: (Please List Any)



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