

# Laboratory Testing Guide

2011



**RJ LEE GROUP**  
DELIVERING SCIENTIFIC RESOLUTION

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### CONTACT

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1.800.860.1775 | [WWW.RJLG.COM](http://WWW.RJLG.COM)



## Introduction

Thank you for choosing RJ Lee Group for your analytical services needs. We are committed to providing our clients with quality service and reliable results in a timeframe to meet their needs. We have more than 25 years of experience as an analytical services laboratory and have diligently served thousands of clients. Our industrial hygiene and environmental experts are well-informed and current in methodologies mandated by government standards. Laboratory tests are conducted using standard test methods approved and/or mandated by OSHA, NIOSH, EPA, MSHA, ASTM and others. Our laboratory testing services are provided in response to regulatory requirements as well as for material and product requirements and specifications.

Each sample is unique and given the attention necessary to perform the required analysis. Our protocols ensure that chains of custody are intact and sample preparation methods maintain sample integrity. All staff follow standard procedures to maintain our high quality standards and reports are issued and explained with clarity and attention to clients' requirements.

Our services extend far beyond the testing services listed in this document. We routinely conduct problem-solving and investigative studies for a broad range of industry. Our materials experts can determine product and materials compliance with standards and specifications, and conduct testing to establish MSDS and product label information. We also conduct investigations into corrosion and/or product failure. Please contact a client service representative for more information at [1.800.860.1775](tel:1.800.860.1775) or at [info@rjlg.com](mailto:info@rjlg.com).

## Locations

### Pennsylvania | Headquarters

350 Hochberg Road  
Monroeville, PA 15146  
P: (724) 325-1776  
F: (724) 733-1799

### Tennessee

Tennessee Technology Park, Bldg 1000  
1000 Heritage Center Boulevard  
Oak Ridge, TN 37830  
P: (412) 867-9864

### Pennsylvania | Waynesburg

100 EverGreene Drive, Suite 101  
Waynesburg, PA 15370  
P: (724) 627-7818  
F: (724) 627-2018

### Washington

Center for Laboratory Sciences (CLS)  
2710 North 20th Avenue  
Pasco, WA 99301  
P: (509) 545-4989  
F: (509) 544-6010

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## Confidentiality

All laboratory data and reports are kept strictly confidential with discretion applied toward proprietary materials and processes. Clients must provide written authorization if analytical results or reports are to be released to a third party.

## Sampling Media

Common sampling media is provided to clients at no charge, provided the media are returned for analysis. The client is responsible for all overnight shipping charges. Clients will be responsible for the costs of any specialty media requested as well as related shipping costs.

## Submitting Samples

Samples are to be submitted to the laboratory along with appropriate chain-of-custody documentation and the following information clearly indicated:

- ❖ Sample identification
- ❖ Type of analysis requested
- ❖ Sample volume (where applicable)
- ❖ Analysis turnaround time
- ❖ Report to name, address, phone number and email address
- ❖ Bill to name, address, phone number, and email address
- ❖ Special instructions (if any)
- ❖ Signature and Printed Name, phone number and email address of person remitting the samples.

Clients are encouraged to use the Chain of Custody form available on our website at [www.rjlg.com](http://www.rjlg.com). Multi-print carbonless forms are also available by contacting a client services representative.

## Blanks for IH and Environmental Analysis

Some of the analytical methods listed in this document require that blanks be submitted with the samples. At a minimum, one blank sample should be included with every batch of samples submitted. When submitting large numbers of samples, typically one blank for every 10 samples should be included. Blank samples are invoiced at standard sample rates.

## Shipping

The client is responsible for all shipping costs and special handling fees (e.g., hazardous materials or international destinations) as well as costs associated with return shipping of sample containers and samples.

## Turnaround Times (TAT)

Unless a client indicates otherwise, all samples received will be logged and processed for standard turnaround times (TAT) as indicated below. TAT is measured in business days; for example, a sample arriving today for 1 Day TAT would be due at the end of the next business day. Same day TAT (anything less than 24 hours) is also available for some testing services. Same day TAT requires 24-hour advance notice and samples must be received by 10 AM the day of analysis. Please contact a client service representative for more information.

Service Area	Standard TAT
Industrial Hygiene	5-10
Environmental & Wet Chemistry	7-10
Specialty Chemicals & Coatings	10
Asbestos Analysis	5-10
Coal Mine Industry Testing	5-10
Wine Testing	5-10
Construction Materials	5-10
Materials Characterization	5-10
Criminal Forensics	5-10
Pharmaceutical	5
Mineral Characterization/ID	10

## Analysis Fees

Prices listed are subject to change without prior notification. This document lists standard commercial prices for samples analyzed following specified methods. Please contact a client service representative to discuss price adjustments based on sample volume or turnaround times. Custom projects may incur additional analysis or consulting fees for test set up, data compilation, interpretation, and customized reporting.

## Payment Terms

A copy of RJ Lee Group's Terms & Conditions of Sale are included in this document. Unless otherwise indicated in writing (authorization by an officer of RJ Lee Group), terms of payment shall be net thirty (30) days after date of invoice. After the invoice due date, RJ Lee Group reserves the right to assess the lesser of one and one-half percent (1.5%) of the unpaid balance (annual rate of 18%) or the maximum late payment penalty charge permitted by law shall be added for each month or part thereof that payment is delinquent. RJ Lee Group has the right at any time to change the amount of credit or terms of payment or to withdraw credit and to require partial or full payment in advance as a condition of performing services. Payments shall be made regardless of the results of the testing or other services performed by RJ Lee Group.

RJ Lee Group also accepts MasterCard, VISA, and American Express.

## Sample Disposal

Samples submitted will be stored for 30 days before being discarded unless the client notifies otherwise. Shipping and handling fees will be assessed for the return of any samples. The client will be responsible for any additional costs incurred in the disposal of unusual or hazardous material samples that do not comply with RJ Lee Group's standard disposal practices. We reserve the right to assess sample storage fees if a client requests that samples be retained for more than 30 days.

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## Operations and Services

### Sample Receiving Hours

Samples are received Monday through Friday during normal business hours:

#### RJ Lee Group Headquarters Laboratory

Monroeville, PA from 8 AM to 5 PM (EST)

#### Center for Laboratory Sciences

Pasco, WA from 8AM to 5 PM (PST)

Please notify client services if samples will be submitted outside of normal business hours. Any samples received after 12 PM or on weekends will be logged in the next business day.

### Holding Times

Some samples may have preservation requirements and are subject to specified holding times. Provided samples are received in a timely manner and they are suitable for analysis, we will make every effort to meet all holding time requirements prescribed for the preparation and analysis of the samples.

### Hazardous Waste

Hazardous waste is managed in accordance with local, state and federal regulations. The waste is segregated, bulked, neutralized, labeled for shipment, and stored by a hazardous waste technician in controlled waste storage areas. We reserve the right to return to the client, at the client's expense, any unused portions of samples that may be considered hazardous waste.

### Record Retention

RJ Lee Group retains records of laboratory analysis for the period of time required by the appropriate accrediting body, according to contract requirements, or as per client specific requests. We reserve the right to assess record retention fees for those records that, at the client's request, are retained beyond accreditation or contract requirements.

## Accreditations and Certifications

RJ Lee Group is committed to delivering services that not only meet, but exceed, regulatory requirements and client expectations for value, consistency and reliability. Our laboratories in Pennsylvania and Washington are accredited to perform specific analyses by the entities listed below:

### HQ - Monroeville, Pennsylvania

- ❖ Food & Drug Administration (FDA)
- ❖ U.S. Department of Agriculture (USDA)
- ❖ American Industrial Hygiene Association (AIHA)
- ❖ National Voluntary Laboratory Accreditation Program (NVLAP)
- ❖ California Department of Public Health Environmental Laboratory Accreditation Program
- ❖ Connecticut Department of Public Health
- ❖ Louisiana Department of Environmental Quality
- ❖ Pennsylvania Department of Environmental Protection
- ❖ Virginia Department of Professional and Occupational Regulation
- ❖ Virginia Division of Consolidated Laboratory Services
- ❖ West Virginia Bureau for Public Health, Office of Environmental Health Service

### Pasco, Washington

- ❖ American Industrial Hygiene Association (AIHA)
- ❖ Department of the Treasury - Alcohol and Tobacco Tax and Trade Bureau
- ❖ Washington State Department of Health, Division of Environmental Health, Office of Radiation Protection
- ❖ Washington State Department of Ecology

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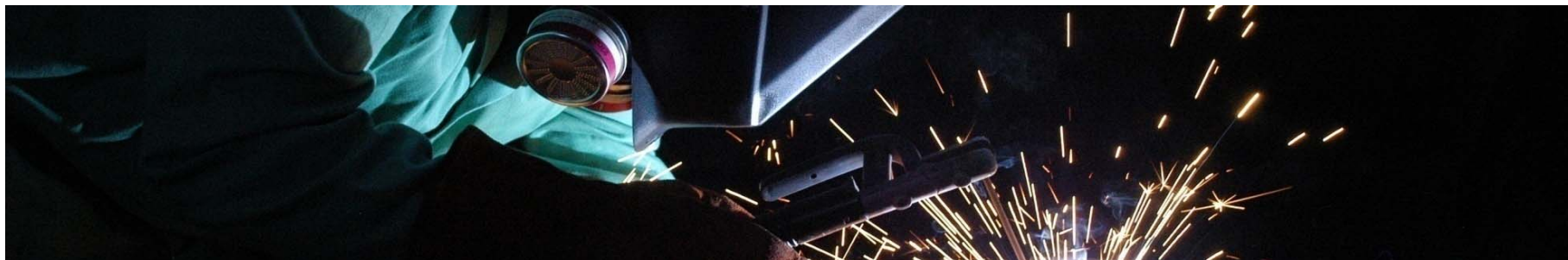
# Abbreviations

<b>AES</b>	Auger Electron Spectroscopy
<b>Ag</b>	Silver Membrane
<b>ASHERA</b>	Asbestos Hazard Emergency Response Act
<b>ASTM</b>	American Society for Testing Materials
<b>BZ Sol</b>	Benzene Soluble
<b>CCSEM</b>	Computer-Controlled Scanning Electron Microscopy
<b>Charcoal</b>	Charcoal Tube
<b>CVAA</b>	Cold Vapor, Atomic Absorption Spectrophotometry
<b>CMS</b>	Carbon Molecular Sieve
<b>DNPH</b>	Dinitrophenylhydrazine
<b>DSC</b>	Differential Scanning Calorimeter
<b>EC/OC</b>	Elemental Carbon / Organic Carbon
<b>EDS</b>	Energy Dispersive Spectroscopy
<b>EPA</b>	Environmental Protection Agency
<b>FE-SEM</b>	Field Emission - Scanning Electron Microscopy
<b>FL</b>	Fluorescence Detector
<b>FLAA</b>	Flame Atomic Absorption Spectrophotometry
<b>FTIR</b>	Fourier Transform Infrared Spectroscopy
<b>GC-FID</b>	Gas Chromatography with Flame Ionization Detection
<b>GC-ECD</b>	Gas Chromatography with Electron Capture Detection
<b>GC-MS</b>	Gas Chromatography with Mass Spectrometric Detection
<b>GC</b>	Gas Chromatography with Thermal Energy Analyzer
<b>GFF</b>	Glass Fiber Filter
<b>Grav</b>	Gravimetric
<b>HPLC-UV</b>	High Performance Liquid Chromatography with UV Detection
<b>HPLC-UV/FL</b>	High Performance Liquid Chromatography with Fluorescence and UV Detection
<b>IC</b>	Ion Chromatography
<b>ICP-AES</b>	Inductively Coupled Plasma Atomic Emission Spectrophotometry
<b>ICP-MS</b>	Inductively Coupled Plasma – Mass Spectrometry
<b>IC-UV</b>	Ion Chromatography with UV Detector

<b>IMP</b>	Impinger
<b>IR</b>	Infrared Spectroscopy
<b>ISE</b>	Ion Specific Electrode
<b>L</b>	Liter
<b>LPM</b>	Liters Per Minute
<b>MCE</b>	Mixed Cellulose Ester
<b>MSA</b>	Mine Safety Appliances
<b>MSHA</b>	Mine Safety and Health Administration
<b>N/A</b>	Not Applicable
<b>NC</b>	No Charge
<b>NIOSH</b>	National Institute for Occupational Safety and Health
<b>OSHA</b>	Occupational Safety and Health Administration
<b>OVS</b>	OSHA Versatile Sampler
<b>PAH</b>	Polynuclear Aromatic Hydrocarbons
<b>PC</b>	Polycarbonate
<b>PCB</b>	Polychlorinated Biphenyl
<b>PCM</b>	Phase Contrast Microscopy
<b>PLM</b>	Polarized Light Microscopy
<b>POVM</b>	Passive Organic Vapor Monitor
<b>PTFE</b>	Polytetrafluoroethylene Filter
<b>PVC</b>	Polyvinyl Chloride Filter
<b>PVC-PH</b>	Polyvinyl Chloride Pure Homopolymer Filter
<b>SEM</b>	Scanning Electron Microscopy
<b>STEM</b>	Scanning Transmission Electron Microscopy
<b>TGA</b>	Thermogravimetric Analyzer
<b>TEM</b>	Transmission Electron Microscopy
<b>USP</b>	U.S. Pharmacopeia
<b>UV</b>	Ultraviolet Detector
<b>VAS</b>	Visible Absorption Spectrophotometry
<b>XPS</b>	X-ray Photoelectron Spectroscopy
<b>XRD</b>	X-ray Diffraction
<b>XRF</b>	X-ray Fluorescence

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## Industrial Hygiene

Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
Acenaphthylene	208-96-8	NIOSH 5506	HPLC-UV/FL	PTFE + SKC 226-30-04	2	200 - 1000	85	ea
Acenaphthene	83-32-9	NIOSH 5506	HPLC-UV/FL	PTFE + SKC 226-30-04	2	200 - 1000	85	ea
Acetaldehyde	75-07-0	NIOSH 2539	GC-FID & GC-MS	SKC 226-118	0.01 - 0.05	5	85	ea
Acetic Acid	64-19-7	OSHA 186-SG	IC	SKC 226-09	0.2	10 - 48	50	ea
Acetone	67-64-1	NIOSH 1300	GC-FID	SKC 226-01	0.01 - 0.20	0.5 - 3.0	45	ea
		OSHA 69	GC-FID	SKC 226-121	0.05	3	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3520	N/A	2 hrs	45	ea
Acetonitrile	75-05-8	NIOSH 1606	GC-FID	SKC 226-09	0.01 - 0.20	1 - 25	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3520	N/A	2 hrs	45	ea
Acrolein	107-02-8	NIOSH 2539	GC-FID & GC-MS	SKC 226-118	0.01 - 0.05	48	85	ea

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Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
Acrylonitrile	107-13-1	NIOSH 1604	GC-FID	SKC 226-01	0.01 - 0.2	3.5 - 20	100	ea
Alkaline Dust (KOH, NaOH)	1310-58-3, 1310-73-7	NIOSH 7401	Titration	PTFE	1 - 4	70 - 1000	55	ea
Allyl Alcohol	107-18-6	NIOSH 1402	GC-FID	SKC 226-01	0.01 - 0.2	1 - 10	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Aluminum (Al)	7429-90-5	NIOSH 7300 mod.	ICP	MCE/PVC	1 - 4	5 - 100	30	ea
Ammonia	7664-41-7	NIOSH 6016	IC	SKC 226-10-06	0.1 - 0.5	10 - 96	55	ea
		Sample subcontracted to outside laboratory						
Amorphous Silica (Bulk)	Various	NIOSH 7501 mod.	XRD	Bulk / Powder	N/A	N/A	400	ea
Amorphous Silica (Resp Dust)	Various	NIOSH 0600/7501	XRD	PVC - preweighed	2.5 (Al Cyclone)	480 - 1000	165	ea
		NIOSH 0600/7501	XRD	PVC - preweighed	1.7-10mm (Nylon Cyclone)	480 - 1000	165	ea
n-Amyl Acetate	628-63-7	NIOSH 1450	GC-FID	SKC 226-01	0.01 - 0.20	1 - 10	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
sec-Amyl Acetate	626-38-0	NIOSH 1450	GC-FID	SKC 226-01 or POVM SKC 575-002	0.01 - 0.20	1 - 10	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea

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Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
Aniline	62-53-3	NIOSH 2002	GC-FID	SKC 226-10	0.02 - 0.20	5.0 - 30	45	ea
		NIOSH 2017	GC-FID	SKC 225-9004 & SKC 226-15	0.1 - 0.2	5 - 50	65	ea
		OSHA PV2079	GC-FID	SKC 226-98	0.2	30	45	ea
Anthracene	120-12-7	NIOSH 5506	HPLC-UV/FL	PTFE + SKC 226-30-04	2	200 - 1000	85	ea
Antimony (Sb)	7440-36-0	NIOSH 7300 mod.	ICP	MCE/PVC	1-4	50-2000	30	ea
Arsenic (As)	7440-38-2	NIOSH 7300 mod.	ICP	MCE/PVC	1 - 4	5 - 2000	30	ea
Arsenic Trioxide (As)	1327-53-3	NIOSH 7901 mod.	ICP-MS	MCE 225-9001	1 - 4	30 - 1000	30	ea
Arsine (As)	7784-42-1	NIOSH 6001 mod.	ICP-MS	SKC 226-01	0.01 - 0.2	1 - 10	30	ea
Asbestos	N/A	NIOSH 7400	PCM	MCE/PVC	0.5 - 16	(See Method)	12	ea
		NIOSH 7402	TEM	MCE/PVC	0.5 - 16	(See Method)	90	ea
Barium (Ba)	7440-39-3	NIOSH 7300 mod.	ICP	MCE/PVC	1 - 4	50 - 2000	30	ea
Benz (a) anthracene	56-55-3	NIOSH 5506	HPLC-UV/FL	PTFE + SKC 226-30-04	2	200 - 1000	85	ea

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Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
Benzene	71-43-2	OSHA 12	GC-FID	SKC 226-01	0.2	10	45	ea
		OSHA 1005	GC-FID	POVM 3M 3520,SKC575-001,002	N/A	8 hrs	45	ea
		NIOSH 1501	GC-FID	SKC 226-01	0.01 - 0.2	5 - 30	45	ea
Benzene Sol (Coal Tar Pit Vol, Asphalt Fumes)	8052-42-4	NIOSH 5042/0500	Grav / BZSol	PTFE - Prew weighed	1 - 4	28 - 400	70	ea
Benzene Sol (Coal Tar Pit Vol, Asphalt Fumes)	Various	OSHA 58	Grav / BZSol	GFF	2	960	70	ea
Additional characterization by HPLC available								
Benzo (a) pyrene	50-32-8	NIOSH 5506	HPLC-UV/FL	PTFE + SKC 226-30-04	2	200 - 1000	85	ea
Benzo (b) fluoranthene	205-99-2	NIOSH 5506	HPLC-UV/FL	PTFE + SKC 226-30-04	2	200 - 1000	85	ea
Benzo (e) pyrene	192-97-2	NIOSH 5506	HPLC-UV/FL	PTFE + SKC 226-30-04	2	200 - 1000	85	ea
Benzo (ghi) perylene	191-24-2	NIOSH 5506	HPLC-UV/FL	PTFE + SKC 226-30-04	2	200 - 1000	85	ea
Benzo (k) fluoranthene	207-08-9	NIOSH 5506	HPLC-UV/FL	PTFE + SKC 226-30-04	2	200 - 1000	85	ea
Benzyl Acetate	140-11-4	OSHA PV2124	GC-FID	SKC 226-01	0.02 - 0.05	10	45	ea
Benzyl Chloride	100-44-7	NIOSH 1003	GC-FID	SKC 226-01	0.01 - 0.20	8 - 50	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Beryllium (Be)	7440-41-7	NIOSH 7300 mod.	ICP	MCE/PVC	1 - 4	1250 - 2000	30	ea

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Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
Biphenyl (Diphenyl)	92-52-4	NIOSH 2530	GC-FID	SKC 226-35-01	0.01 - 0.5	15 - 30	45	ea
Bismuth (Bi)	1304-43-4	NIOSH 7300 mod.	ICP	MCE/PVC	1 - 4	480 - 960	30	ea
Boron (B)	7440-42-8	NIOSH 7300 mod.	ICP	MCE/PVC	1 - 4	480 - 960	30	ea
Bromine (Br <sub>2</sub> )	7726-95-6	NIOSH 6011	IC	PTFE & SKC 225-9006	0.30 - 1	8 - 360	50	ea
Bromoform	75-25-2	NIOSH 1003	GC-FID	SKC 226-01	0.01 - 0.2	4 - 70	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Bulk Elemental Comp-Semi Quant	N/A	Bruker S4 Explorer	XRF	Bulk or Powder	N/A	N/A	150	ea
2-Butanone (MEK)	78-93-3	OSHA 16	GC-FID	SKC 226-10	0.1	3	45	ea
		OSHA 84	GC-FID	SKC 226-121	0.05	3	45	ea
		OSHA 1004	GC-FID	POVM 3M 3520	N/A	8 hrs	45	ea
		NIOSH 2500	GC-FID	SKC 226-121	0.01 - 0.2	0.25 - 12	45	ea
2-Butoxyethanol (Butyl Cellosolve)	111-76-2	OSHA 83	GC-FID	SKC 226-01	0.1	48	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
		NIOSH 1403	GC-FID	SKC 226-01	0.01 - 0.05	2 - 10	45	ea

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Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
2-Butoxyethyl Acetate (BCA)	112-07-2	OSHA 83 mod.	GC-FID	POVM SKC575-002	N/A	8 hrs	45	ea
		OSHA 83	GC-FID	SKC 226-01	0.1	48	45	ea
n-Butyl Acetate	123-86-4	NIOSH 1450	GC-FID	SKC 226-01	0.01 - 0.2	1 - 10	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
sec-Butyl Acetate	105-46-4	NIOSH 1450	GC-FID	SKC 226-01	0.01 - 0.2	1 - 10	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
tert-Butyl Acetate	540-88-5	NIOSH 1450	GC-FID	SKC 226-01	0.01 - 0.2	1 - 10	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Butyl Acrylate	141-32-2	NIOSH 1450 mod.	GC-FID	SKC 226-01	0.01 - 0.2	1 - 10	45	ea
n-Butyl Alcohol (1-Butanol)	71-36-3	OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
		NIOSH 1401	GC-FID	SKC 226-01	0.01 - 0.2	2 - 10	45	ea
sec-Butyl Alcohol (2-Butanol)	78-92-2	NIOSH 1401	GC-FID	SKC 226-01	0.01 - 0.2	2 - 10	45	ea
		NIOSH 1401	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
tert-Butyl Alcohol (2-methyl-2-propanol)	75-65-0	NIOSH 1400	GC-FID	SKC 226-01	0.01 - 0.2	1 - 10	45	ea
		NIOSH 1400 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea

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Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
Butyl Carbitol (Diethylene Glycol Monobutyl Ether)	112-34-5	NIOSH 1403 mod.	GC-FID	SKC 226-01	0.01 - 0.05	2 - 10	45	ea
		NIOSH 1403 mod.	GC-FID	SKC 575-002	N/A	8 hrs	45	ea
Butyl Cellosolve (2-Butoxyethanol)	111-76-2	OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
		NIOSH 1403	GC-FID	SKC 226-01	0.01 - 0.05	2 - 10	45	ea
2-Butoxyethyl acetate (Butyl Cellosolve Acetate)	112-07-2	OSHA 83	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
		OSHA 83	GC-FID	SKC 226-01	0.1	48	45	ea
n-Butyl Glycidyl Ether	192337	NIOSH 1616	GC-FID	SKC 226-01	0.01 - 0.2	15 - 30	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
t-Butyl Glycidyl Ether	7665-72-7	OSHA CSI	GC-FID	SKC 226-01	0.2	10	45	ea
n-Butyl Methacrylate	97-88-1	NIOSH 2537 mod.	GC-FID	SKC 226-30-06	0.01 - 0.5	1 - 8	45	ea
1, 3 Butylene Glycol (1,3 Butanediol)	107-88-0	NIOSH 5523	GC-FID	GFF & SKC 226-57	0.5 - 2.0	5 - 60	65	ea
Butyraldehyde	123-72-8	NIOSH 2539 mod.	HPLC-UV	SKC 226-118	0.01 - 0.05	5	85	ea
Cadmium (Cd)	7440-43-9	NIOSH 7300 mod.	ICP	MCE/PVC	1 - 4	13 - 2000	30	ea
Calcium (Ca)	7440-70-2	NIOSH 7300 mod.	ICP	MCE/PVC	2 - 4	5 - 200	30	ea

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# Industrial Hygiene

Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
Camphor	76-22-2	NIOSH 1301	GC-FID	SKC 226-01	0.01 - 0.2	1 - 25	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Carbitol (2-Ethoxyethoxy Ethanol)	111-90-0	NIOSH 1403 mod.	GC-FID	SKC 226-01	0.01 - 0.05	10	45	ea
		NIOSH 1403 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Carbon Black	1333-86-4	NIOSH 5000	Gravimetric	PVC - preweighed	1 - 2	30 - 570	16	ea
Carbon Tetrachloride	56-23-5	NIOSH 1003	GC-FID	SKC 226-01	0.01 - 0.2	3 - 150	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Cellosolve (2-Ethoxyethanol)	110-80-5	OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
2-Methoxyethanol	109-86-4	NIOSH 1403	GC-FID	SKC 226-01	0.01 - 0.05	1 - 6	45	ea
Cellosolve Acetate (2-Ethoxyethyl Acetate)	111-15-9	NIOSH 1450	GC-FID	SKC 226-01	0.01 - 0.2	1 - 10	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
		OSHA 79	GC-FID	SKC 226-01	0.1	48	45	ea
		OSHA 79 mod.	GC-FID	POVM SKC 575-001	N/A	8 hrs	45	ea
Chemical/Elemental Composition - Semi Quant	N/A	N/A	XRF	Bulk / Powder	N/A	N/A	150	ea

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# Industrial Hygiene

Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
Chlorine (Cl <sub>2</sub> )	7782-50-5	NIOSH 6011	IC	PTFE & SKC 225-9006	0.3 - 1	2 - 90	50	ea
Chlorobenzene	108-90-7	NIOSH 1003	GC-FID	SKC 226-01	0.01 - 0.2	1.5 - 40	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Chlorobromomethane	74-97-5	NIOSH 1003	GC-FID	SKC 226-01	0.01 - 0.2	0.5 - 60	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Chloroform	67-66-3	NIOSH 1003	GC-FID	SKC 226-01	0.01 - 0.2	1.0 - 50	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Chloroprene (2-Chloro-1,3-butadiene)	126-99-8	OSHA 112	GC-FID	SKC 226-111A	0.05	6	45	ea
		NIOSH 1002	GC-FID	SKC 226-01	0.01 - 0.10	1.5 - 8	45	ea
Chromium (Cr)	7440-47-3	NIOSH 7300 mod.	ICP	MCE/PVC	1 - 4	5 - 1000	30	ea
Chromium, Hexavalent (CrVI) Welding Fume	18540-29-9	OSHA 215 - Welding Fume	IC-UV	PVC	2	960	55	ea
		Samples must be shipped to the lab within 24 hours of collection						
Chromium, Hexavalent (CrVI) Paint	18540-29-10	OSHA 215 - Paint	IC-UV	PVC	2	960	70	ea
		Samples must be shipped to the lab within 24 hours of collection						

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# Industrial Hygiene

Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
Chrysene	218-01-9	NIOSH 5506	HPLC-UV/FL	PTFE + SKC 226-30-04	2	200 - 1000	85	ea
Coal Tar Naphtha	Various	NIOSH 1550	GC-FID	SKC 226-01	0.01 - 0.2	1.3 - 20	65	ea
		NIOSH 1550	GC-FID	POVM 3M 3500	N/A	8 hrs	65	ea
Coal Tar Pitch Volatiles	65996-93-2	OSHA 58	Grav./BZSol	GFF	2	960	70	ea
Additional characterization by HPLC available								
Cobalt (Co)	7440-48-4	NIOSH 7300 mod.	ICP	MCE/PVC	1 - 4	25 - 2000	30	ea
Copper (Cu)	7440-50-8	NIOSH 7300 mod.	ICP	MCE/PVC	1 - 4	5 - 1000	30	ea
Crystalline Phase ID - Qualitative	N/A	International Center for Diffraction Data Reference Library	XRD	Bulk / Powder	N/A	N/A	200	ea
Cumene	92-82-8	NIOSH 1501	GC-FID	SKC 226-01	0.01 - 0.2	1 - 30	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Hydrogen Cyanide (Cyanide - Gaseous, HCN)	74-90-8	NIOSH 6010	VAS	SKC 226-28	0.05 - 0.2	2 - 90	85	ea
Sample subcontracted to outside laboratory								
Cyanide - Aerosol / particulates only	151-50-8	NIOSH 7904 mod.	ISE	PVC	0.2	10 - 180	65	ea
Sample subcontracted to outside laboratory								

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# Industrial Hygiene

Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
Cyanide, Total (aerosol and gas)	151-50-8	NIOSH 7904 mod.	ISE	PVC+IMP (15ml 0.1N KOH)	0.5 - 1	10 - 180	120	ea
	Sample subcontracted to outside laboratory							
Cyclohexane	110-82-7	NIOSH 1500	GC-FID	SKC 226-01	0.01 - 0.20	2.5 - 5	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	6 hrs	45	ea
Cyclohexanol	108-93-0	NIOSH 1402	GC-FID	SKC 226-01	0.01 - 0.2	1 - 10	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Cyclohexanone	108-94-1	NIOSH 1300	GC-FID	SKC 226-01	0.01 - 0.2	1 - 10	45	ea
		OSHA 01	GC-FID	SKC 226-110	0.02-0.05	10	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Cyclohexene	110-83-8	NIOSH 1500	GC-FID	SKC 226-01	0.01- 0.2	5 - 7	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Cyclopentane	287-92-3	OSHA CSI	GC-FID	SKC 226-01	0.2	5	45	ea
n-Decane	124-18-5	NIOSH 1500	GC-FID	SKC 226-01	0.01- 0.2	5	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea

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# Industrial Hygiene

Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
Diacetone Alcohol	123-42-2	NIOSH 1402	GC-FID	SKC 226-01	0.01 - 0.2	1 - 10	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Dibenz (a,h) anthracene	53-70-3	NIOSH 5506	HPLC-UV/FL	PTFE & SKC 226-30-04	2	200 - 1000	85	ea
Diborane (Boroethane)	19287-45-7	NIOSH 6006	ICP-AES	PTFE & SKC 226-151	0.5 - 1.0	60 - 260	65	ea
Dibutylphthalate	84-74-2	NIOSH 5020	GC-FID	MCE/PVC	1 - 3	6 - 200	45	ea
		OSHA 104	GC-FID	SKC 226-56	1	240	45	ea
ortho-Dichlorobenzene (1,2-Dichlorobenzene)	95-50-1	NIOSH 1003	GC-FID	SKC 226-01	0.01 - 0.2	1 - 10	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
		NIOSH 1501	GC-FID	SKC 226-01	0.2	2 - 30	45	ea
para-Dichlorobenzene (1,4-Dichlorobenzene)	106-46-7	NIOSH 1501	GC-FID	SKC 226-01	0.2	2 - 30	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
		NIOSH 1003	GC-FID	SKC 226-01	0.01 - 0.2	1 - 8	45	ea
1, 1-Dichloroethane	75-34-3	NIOSH 1003	GC-FID	SKC 226-01	0.01 - 0.2	0.5 - 15	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea

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# Industrial Hygiene

Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
1, 2-Dichloroethylene	540-59-0	NIOSH 1003	GC-FID	SKC 226-01	0.01 - 0.2	0.2 - 5	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	6 hrs	45	ea
Dichlorofluoromethane	75-43-4	NIOSH 2516	GC-FID	(2) SKC 226-09	0.01 - 0.05	0.25 - 3.0	65	ea
Dichloromethane (Methylene Chloride)	75-09-2	NIOSH 1005	GC-FID	(2) SKC 226-01	0.01 - 0.2	0.5 - 2.5	65	ea
		OSHA 80	GC-FID	SKC 226-211	0.05	3	65	ea
		OSHA 59	GC-FID	SKC 226-09-02	0.05	10	65	ea
		NIOSH 1005 mod.	GC-FID	SKC 575-001	N/A	8 hrs	65	ea
Diesel Fuel	N/A	NIOSH 1550	GC-FID	SKC 226-01	0.01 - 0.2	1.3 - 20	65	ea
Send reference material in separate shipment								
Diesel Particulate Matter- DPM	N/A	NIOSH 5040	Thermal Optic EC/OC	Quartz fiber	2 - 4	142 - 1920	55	ea
		NIOSH 5040	Thermal Optic EC/OC	Jeweled impactor cassette	1.7 - 2.0	142 - 1920	75	ea
Diethyl Ether (Ethyl Oxide)	60-29-7	NIOSH 1610 mod.	GC-FID	POVM 3M 3520	N/A	8 hrs	45	ea
		NIOSH 1610	GC-FID	SKC 226-01	0.01 - 0.2	0.25 - 3.0	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3520	N/A	4 hrs	45	ea
Diethylene Glycol	111-46-6	NIOSH 5523	GC-FID	GFF & SKC 226-57	0.5 - 2.0	5 - 60	65	ea

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# Industrial Hygiene

Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
Diethylene Glycol Monoethyl Ether	111-90-0	NIOSH 1403 mod.	GC-FID	POVM SKC 575-002	N/A	4 - 8 hrs	45	ea
Diisobutyl Ketone	108-83-8	NIOSH 1300	GC-FID	SKC 226-01	0.01 - 0.2	1 - 10	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Diisooctylphthalate (bis (2-ethylhexyl)-phthalate)	117-81-7	NIOSH 5020	GC-FID	MCE/PVC	1 - 3	10 - 200	45	ea
Dimethoxymethane (Methylal)	109-87-5	NIOSH 1611	GC-FID	SKC 226-01	0.01 - 0.2	1 - 3	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3520	N/A	1 hrs	45	ea
Dimethylacetamide (N,N-dimethylacetamide)	127-19-5	NIOSH 2004	GC-FID	SKC 226-10	0.01 - 1	15 - 80	45	ea
Dimethylacetamide	127-19-5	OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Dimethylformamide	68-12-2	NIOSH 2004	GC-FID	SKC 226-10	0.01 - 1.0	15 - 80	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Di-n-Octyl Phthalate (DNOP)	117-84-0	OSHA 104	GC-FID	SKC 226-56	1.0 - 3.0	10 - 240	45	ea
Dioxan (1,4-Diethylene dioxide)	123-91-1	NIOSH 1602	GC-FID	SKC 226-01	0.01 - 0.2	0.5 - 15	45	ea
1,4-Dioxane	123-91-1	OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea

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# Industrial Hygiene

Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
Dipropylene Glycol Methyl Ether	34590-94-8	NIOSH 1403 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
		NIOSH 1403 mod.	GC-FID	SKC 226-01	0.01 - 0.05	5 - 10	45	ea
Divinylbenzene	1321-74-0	OSHA 89	GC-FID	SKC 226-73	0.05	12	45	ea
		OSHA 89	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Dust, Respirable	N/A	NIOSH 0600	Gravimetric	PVC preweighed	1.7 (Nylon Cyclone)	20 - 1200	16	ea
		NIOSH 0600	Gravimetric	PVC preweighed	2.5 (Al Cyclone)	20 - 1200	16	ea
Dust, Total	N/A	NIOSH 0500	Gravimetric	PVC preweighed	1 - 2	20 - 1200	16	ea
Elemental Carbon	N/A	NIOSH 5040	Thermal Optic EC/OC	Quartz fiber	2 - 4	142 - 1920	55	ea
Epichlorohydrin	106-89-8	NIOSH 1010	GC-FID	SKC 226-01	0.01 - 0.2	2 - 30	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Esters 1 (one analyte)	Various	NIOSH 1450	GC-FID	SKC 226-01	0.01-0.2	1.0 - 10	45	ea
Ethanol (Ethyl Alcohol)	64-17-5	NIOSH 1400	GC-FID	SKC 226-01	0.01 - 0.2	0.1 - 1	45	ea
		OSHA 100	GC-FID	SKC 226-82	0.05	12	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3520	N/A	1 hrs	45	ea
		NIOSH 1400 mod.	GC-FID	POVM 3M 3520	N/A	8 hrs	45	ea

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# Industrial Hygiene

Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
2-Ethoxyethoxy Ethanol (Carbitol)	111-90-0	NIOSH 1403	GC-FID	SKC 226-01	0.01 - 0.05	10	45	ea
		NIOSH 1403 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Ethyl Acetate	141-78-6	OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	6 hrs	45	ea
		NIOSH 1457	GC-FID	SKC 226-01	0.01 - 0.2	0.1 - 10.0	45	ea
Ethyl Acrylate	140-88-5	NIOSH 1450	GC-FID	SKC 226-01	0.01 - 0.2	1 - 10	45	ea
		OSHA 92	GC-FID	SKC 226-73	0.05	12	45	ea
		OSHA 92	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Ethylamine - 1 analyte	75-04-7	OSHA - 34, 36, 40	HPLC-FL	SKC 226-96, XAD-7	0.2	10	150	ea
Please call for estimated turnaround time								
Ethylamine - 3 analytes	75-04-7	OSHA - 34, 36, 40	HPLC-FL	SKC 226-96, XAD-7	0.2	10	400	ea
Please call for estimated turnaround time								
Ethyl Amyl Ketone (3-Octanone)	106-68-3	OSHA 07 mod.	GC-FID	SKC 226-01	0.2	25	45	ea
Ethylbenzene	100-41-4	OSHA1002	GC-FID	POVM SKC 575-002	240 min	50	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500, SKC575-001,002	N/A	4 hours	45	ea
		NIOSH 1501	GC-FID	SKC 226-01	0.01 - 0.2	1 - 24	45	ea

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# Industrial Hygiene

Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
Ethyl Bromide (Bromoethane)	74-96-4	OSHA PV2061	GC-FID	SKC 226-01	0.1	12	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
		NIOSH 1011	GC-FID	SKC 226-01	0.01 - 0.2	0.5 - 4	45	ea
Ethyl Butyl Ketone	106-35-4	NIOSH 1301	GC-FID	SKC 226-01	0.01 - 0.2	1 - 25	45	ea
		OSHA 07 mod.	GC-FID	SKC 226-01	0.02 - 0.05	10	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Ethyl Cellosolve (2-Ethoxyethanol)	110-80-5	OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
		NIOSH 1403	GC-FID	SKC 226-01	0.01 - 0.05	1 - 6	45	ea
		NIOSH 1450	GC-FID	SKC 226-01	0.01 - 0.2	1 - 10	45	ea
Ethyl Chloride (Chloroethane)	75-00-3	NIOSH 2519	GC-FID	(2) SKC-226-25	0.02 - 0.05	0.3 - 3	65	ea
2-Ethyl-1-hexanol	104-76-7	OSHA CSI	GC-FID	SKC 226-01	0.01 - 0.2	10 - 60	45	ea
Ethylene Chlorohydrin (2-Chloroethanol)	107-07-3	NIOSH 2513	GC-FID	SKC 226-81A	0.01 - 0.2	2 - 35	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	15 min (STEL), 8 hrs (TWA)	45	ea

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# Industrial Hygiene

Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
Ethylene Dichloride (1, 2 Dichloroethane)	107-06-2	NIOSH 1003	GC-FID	SKC 226-01	0.01 - 0.2	1 - 50	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3520	N/A	8 hrs	45	ea
Ethylene Glycol	107-21-1	NIOSH 5523	GC-FID	GFF & SKC 226-57	0.5 - 2	5 - 60	65	ea
Ethylene Glycol Monobutyl Ether (Butyl Cellosolve, 2-butoxyethanol)	111-76-2	NIOSH 1403	GC-FID	SKC 226-01	0.01 - 0.05	2 - 10	45	ea
Ethylene Oxide	75-21-8	NIOSH 1614	GC-ECD	SKC 226-178	0.05 - 0.15	1.0 - 24	65	ea
		OSHA 50	GC-ECD	SKC 226-178	0.1	24	65	ea
		NIOSH 1614 mod.	GC-ECD	POVM 3M ETOX	9.75	15 min (STEL), 8 hrs (TWA)	65	ea
Ethyl Methacrylate	97-63-2	NIOSH 2537	GC-FID	SKC 226-30-06	0.01 - 0.05	1 - 8	45	ea
Fluoranthene	206-44-0	NIOSH 5506	HPLC-UV/FL	PTFE + SKC 226-30-04	2	200 - 1000	85	ea
Fluorene	86-73-7	NIOSH 5506	HPLC-UV/FL	PTFE + SKC 226-30-04	2	200 - 1000	85	ea
Fluorides, Gaseous- Particulate	N/A	NIOSH 7902	ISE	SKC 225-9001	1 - 1.5	12 - 800	100	ea
Formaldehyde	50-00-0	NIOSH 2016	HPLC	POVM SKC UMEX 100	N/A	15 min - 24 hrs	85	ea
		NIOSH 2016	HPLC	SKC 226-119	0.3 - 1.5	1 - 15	85	ea

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DELIVERING SCIENTIFIC RESOLUTION

# Industrial Hygiene

Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
Formic Acid	64-18-6	NIOSH 2011	IC	SKC 225-2708/226-10-03	0.05 - 0.2	1 - 24	65	ea
Furfural	98-01-1	NIOSH 2529	GC-FID	SKC 226-118	0.01 - 0.05	12	45	ea
		OSHA 72	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Furfuryl Alcohol	98-00-0	NIOSH 2505	GC-FID	SKC 226-115	0.01 - 0.05	3 - 25	65	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	65	ea
Gasoline	N/A	NIOSH 1500 mod.	GC-FID	SKC 226-01	0.01 - 0.2	2.0 - 4.0	65	ea
		NIOSH 1500 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	65	ea
Send reference material in separate shipment								
Glutaraldehyde	111-30-6	OSHA 64	HPLC-UV	SKC 225-9003	0.05 - 0.5	1 - 30	85	ea
Gold	7440-57-5	NIOSH 7300 mod.	ICP	MCE/PVC	1 - 4	1 - 3300	60	ea
n-Heptane	142-82-5	NIOSH 1500	GC-FID	SKC 226-01	0.01-0.2	4	45	ea
Heptane	142-82-5	OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
2-Heptanone (Methyl n-Amyl ketone)	110-43-0	NIOSH 1301	GC-FID	SKC 226-01	0.01 - 0.2	1 - 25	45	ea
		NIOSH 2553	GC-FID	SKC 225-121	0.01 - 0.2	1 - 25	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea

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# Industrial Hygiene

Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
Heptyl Acetate	112-06-1	NIOSH 1450 mod.	GC-FID	SKC 226-01	0.01 - 0.2	1 - 10	45	ea
Heptyl Alcohol (1-Heptanol)	111-70-6	NIOSH 1402 mod.	GC-FID	SKC 226-01	0.01 - 0.2	1 - 10	45	ea
Hexachloroethane	67-72-1	NIOSH 1003	GC-FID	SKC 226-01	0.01 - 0.2	3 - 70	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
1,6-Hexamethylene Diisocyanate (HDI)	822-06-0	OSHA 42	HPLC	SKC 225-9002	1	15	85	ea
n-Hexane	110-54-3	NIOSH 1500	GC-FID	SKC 226-01	0.01 - 0.2	4	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Methyl n-Butyl Ketone (MBK, 2-Hexanone)	591-78-6	NIOSH 1300	GC-FID	SKC 226-01	0.02 - 0.2	1 - 10	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Hexone (MIBK--Methyl-isobutylketone)	108-10-1	NIOSH 1300	GC-FID	SKC 226-01	0.01 - 0.2	1 - 10	45	ea
		OSHA 1004	GC-FID	POVM SKC 575-002	N/A	8 hrs	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3520	N/A	8 hrs	45	ea
Hydrocarbons - Aromatic	N/A	NIOSH 1501 Personnel Sampler	GC-FID	SKC-226-01	See method	See method	65	ea

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# Industrial Hygiene

Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
Hydrocarbons, Total (Hydrocarbons, BP 36-216 Degrees C)	N/A	NIOSH 1500 mod.	GC-FID	SKC 226-01	0.2	5 - 20	65	ea
Hydrochloric Acid (Hydrogen Chloride, HCl)	7647-01-0	NIOSH 7903	IC	SKC 226-10-03	0.2 - 0.5	3 - 100	45	ea
Hydrogen Bromide (HBr, Hydrobromic Acid)	10035-10-6	NIOSH 7903	IC	SKC 226-10-03	0.2 - 0.5	3 - 100	45	ea
Hydrogen Fluoride (HF)	7664-39-3	NIOSH 7903	IC	SKC 226-10-03	0.2 - 0.5	3 - 100	45	ea
Hydrogen Sulfide	7783-06-4	NIOSH 6013	IC	PTFE + SKC 226-09	0.1 - 1.5	1.2 - 40	65	ea
Indeno (1,2,3cd) pyrene	193-39-5	NIOSH 5506	HPLC-UV/FL	PTFE + SKC 226-30-04	2	200 - 1000	85	ea
Iron (Fe)	7439-89-6	NIOSH 7300 mod.	ICP	MCE/PVC	1 - 4	5 - 100	30	ea
Iron Oxide Fume (Fe)	1309-37-16	N/A	Calculation	N/A	N/A	N/A	30	ea
Isoamyl Acetate	123-92-2	NIOSH 1450	GC-FID	SKC 226-01	0.01 - 0.2	1 - 10	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Isoamyl Alcohol	123-51-3	NIOSH 1402	GC-FID	SKC 226-01	0.01 - 0.2	1 - 10	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Isobutyl Acetate	110-19-0	NIOSH 1450	GC-FID	SKC 226-01	0.01 - 0.2	1 - 10	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea

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# Industrial Hygiene

Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
Isobutyl Alcohol	78-83-1	NIOSH 1401	GC-FID	SKC 226-01	0.01 - 0.2	2 - 10	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Isooctane (2,2,4-Trimethylpentane)	540-84-1	NIOSH 1500 mod.	GC-FID	SKC 226-01	0.01 - 0.2	1 - 10	45	ea
		NIOSH 1500 mod.	GC-FID	POVM SKC 575-001	N/A	8 hrs	45	ea
Isophorone	78-59-1	NIOSH 2508	GC-FID	SKC 226-81A	0.01 - 1.0	25	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Isophrone Di-Isocyanate (IPDI)	4098-71-9	OSHA PV2034	HPLC	SKC 225-9002	1	60	85	ea
		OSHA 42 mod.	HPLC	SKC 225-9002	1	15 - 30	85	ea
Isopropyl Acetate	108-21-4	NIOSH 1454	GC-FID	SKC 226-01	0.02 - 0.2	0.1 - 9	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	7 hrs	45	ea
Isopropyl Alcohol (2-Propanol)	67-63-0	NIOSH 1400	GC-FID	SKC 226-01	0.01 - 0.2	0.3 - 3	45	ea
		OSHA 109	GC-FID	SKC 226-82	0.05 - 0.2	18	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3520	N/A	8 hrs	45	ea
Isovaleraldehyde	590-86-3	NIOSH 2539 mod.	HPLC	SKC 226-118	0.01 - 0.05	5	85	ea

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# Industrial Hygiene

Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
Kerosene (Diesel Fuel)	8008-20-6	NIOSH 1550	GC-FID	SKC 226-01	0.01 - 0.20	1.3 - 20	65	ea
Lead (Pb)	7439-92-1	NIOSH 7300 mod.	ICP	MCE/PVC	1 - 4	50 - 2000	30	ea
		NIOSH 7082	FLAA	MCE/PVC	1 - 4	50 - 2000	15	ea
		EPA SW846 6020/200.8	ICP-MS	water - 4oz gl jar or 500ml Plastic HNO3	N/A	250 ml minimum.	30	ea
Lead (Pb) (Determination of surface contamination by lead and its compounds)	7439-92-1	EPA 3050/EPA 7420	FLAA	ASTM certified wipe	N/A	100 cm2 or 1 ft2	15	ea
Lead (Pb)	7439-92-1	EPA 3050/EPA 7420	FLAA	Soil	N/A		15	ea
		EPA 3050/EPA 7420	FLAA	Paint	N/A		15	ea
Lead (Pb) (Determination of surface contamination by lead and its compounds)	7439-92-1	EPA 350/ EPA 6010	ICP	ASTM certified wipe	N/A	100 cm2 or 1 ft2	30	ea
Lead (Pb)	7439-92-1	EPA 350/ EPA 6010	ICP	Soil	N/A		30	ea
		EPA 350/ EPA 6010	ICP	Paint	N/A		30	ea
Limonene	138-86-3	NIOSH 1552	GC-FID	SKC 226-01	0.01 - 0.2	2 - 30	45	ea
		OSHA PV2063	GC-FID	SKC 226-01	0.2	10	45	ea

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# Industrial Hygiene

Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
Lithium (Li)	N/A	NIOSH 7300 mod.	ICP	MCE/PVC	1 - 4	100 - 2000	30	ea
Manganese (Mn)	7439-96-5	NIOSH 7300 mod.	ICP	MCE/PVC	1 - 4	5 - 200	30	ea
MDI Methylene bisphenyl isocyanate	101-68-8	OSHA 47	HPLC-UV	SKC 225-9002	1	15	85	ea
Mercury (Hg) Vapor or Particulate	7439-97-6	NIOSH 6009	CVAA	226-17-1A	0.15 - 0.25	2 - 100	45	ea
Mercury (Hg) Wipes and Bulks	N/A	OSHA 145	CVAA	Wipe & bulks	N/A	N/A	45	ea
Mercury Particulate (Hg)	N/A	OSHA 145	CVAA	MCE/PVC	2	10	45	ea
Mesityl Oxide	141-79-7	NIOSH 1301	GC-FID	SKC 226-01	0.01 - 0.2	1 - 25	45	ea
		OSHA 07 mod.	GC-FID	SKC 226-01	0.02 - 0.05	10	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Methanol (Methyl Alcohol)	67-56-1	OSHA 91	GC-FID	SKC 226-83	0.05	5	45	ea
		NIOSH 2000	GC-FID	SKC 226-51	0.02 - 0.2	1 - 5	45	ea
1-Methoxy-2-Propanol (Propylene glycol methylether)	107-98-2	OSHA 99	GC-FID	SKC 226-01	0.1	5 - 10	45	ea

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Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
1-Methoxy-2-Propanol Acetate (Propylene glycol methyl ether acetate)	108-65-6	OSHA 99	GC-FID	POVM SKC 575-002	N/A	N/A	45	ea
Methyl Acetate	79-20-9	NIOSH 1458	GC-FID	SKC 226-01	0.01 - 0.20	0.2 - 10	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3520	N/A	2 hrs	45	ea
Methyl Acrylate	96-33-3	NIOSH 1459	GC-FID	SKC 226-01	0.01 - 0.20	1.0 - 5.0	45	ea
		OSHA 92	GC-FID	SKC 226-73	0.05	12	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
		NIOSH 1300	GC-FID	POVM 3M 3520	N/A	8 hrs	45	ea
Methyl n-Amyl ketone (2 - Heptanone)	110-43-0	NIOSH 1301	GC-FID	SKC 226-01	0.01 - 0.2	1 - 25	45	ea
		NIOSH 2553	GC-FID	SKC 225-121	0.01 - 0.2	1 - 25	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Methyl Cellosolve (2-Methoxyethanol)	109-86-4	OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
2-Methoxyethanol	109-86-4	NIOSH 1403	GC-FID	SKC 226-01	0.01 - 0.05	6 - 50	45	ea

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# Industrial Hygiene

Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
Methyl Cellosolve Acetate (2-Methoxyethyl Acetate)	110-49-6	NIOSH 1451	GC-FID	SKC 226-01	0.01 - 0.20	0.20 - 20	45	ea
		OSHA 53/79	GC-FID	SKC 226-01	0.1	10	45	ea
		OSHA 79	GC-FID	SKC 226-01	0.1	48	45	ea
Methyl Ethyl Ketone (MEK) (2-Butanone)	78-93-3	NIOSH 2500	GC-FID	SKC 226-81A	0.01 - .20	0.25 - 12	45	ea
Methyl Isoamyl Acetate	108-84-9	NIOSH 1450	GC-FID	SKC 226-01	0.01 - 0.2	1 - 10	45	ea
Methyl Isobutyl Carbinol (Methyl Amyl Alcohol)	108-11-2	NIOSH 1402	GC-FID	SKC 226-01	0.01 - 0.2	1 - 10	45	ea
		NIOSH 1402 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Methyl Isobutyl Ketone (4-Methyl 2 Pentanone, MIBK, hexone isopropyl acetone)	108-10-1	NIOSH 1300	GC-FID	SKC 226-01	0.01 - 0.2	1 - 10	45	ea
		OSHA 1004	GC-FID	POVM SKC 575-002	N/A	8 hrs	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3520	N/A	8 hrs	45	ea
Methyl Methacrylate	80-62-6	NIOSH 2537	GC-FID	SKC 226-30-06	0.01 - 0.05	1 - 8	45	ea
		OSHA 94	GC-FID	SKC 226-73	0.01 - 0.05	10	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea

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# Industrial Hygiene

Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
Methyl Propyl Ketone (2-Pentanone)	107-87-9	NIOSH 1300 mod.	GC-FID	POVM SKC 575-002	N/A	8 hrs	45	ea
		NIOSH 1300	GC-FID	SKC 226-01	0.01 - 0.2	1 - 10	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
a-Methyl Styrene	98-83-9	NIOSH 1501	GC-FID	SKC 226-01	0.01 - 0.2	1 - 30	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Methyl Isoamyl Ketone (5-methyl-2-hexanone)	110-12-3	OSHA 07 mod.	GC-FID	SKC 226-01	0.05	10	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
5-Methyl-3-Heptanone	541-85-5	NIOSH 1301	GC-FID	SKC 226-01	0.01 - 0.2	1 - 25	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Methylamine	74-89-5	OSHA-40	HPLC	SKC 226-96, XAD-7	0.2	10	85	ea
		Call for estimated turn around time						
Methylcyclohexane	108-87-2	NIOSH 1500	GC-FID	SKC 226-01	0.01 - 0.2	4	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea

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# Industrial Hygiene

Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
Methylene Chloride (Dichloromethane)	75-09-2	NIOSH 1005	GC-FID	(2) SKC 226-01	0.01 - 0.2	0.5 - 2.5	45	ea
		OSHA 80	GC-FID	SKC 226-211	0.05	3	45	ea
		OSHA 59	GC-FID	SKC 226-09-02	0.05	10	45	ea
		NIOSH 1005 mod.	GC-FID	SKC 575-001	N/A	8 hrs	65	ea
Methyl tert-Amyl Ether	994-05-8	NIOSH 1615 mod.	GC-FID	SKC 226-01	0.05 - 0.2	5 - 10	45	ea
Methyl tert-Butyl Ether (MTBE)	1634-04-4	NIOSH 1615	GC-FID	SKC 226-37 (as 2 pkg in series)	0.1 - 0.2	2 - 96	65	ea
Molybdenum (Mo)	7439-98-7	NIOSH 7300 mod.	ICP	MCE/PVC	1 - 4	5 - 67	30	ea
Naphtha (Coal Tar/Petroleum)	N/A	NIOSH 1550	GC-FID	SKC 226-01	0.01 - 0.2	1.3 - 20	65	ea
Send reference material in separate shipment								
Naphthalene	91-20-3	NIOSH 5506	HPLC-UV/FL	PTFE + SKC 226-30-04	2	200 - 1000	85	ea
		OSHA 35	GC-FID	SKC 226-110	0.2	10	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
		NIOSH 1501 mod.	GC-FID	SKC 226-01	0.01	100 - 200	45	ea
Nickel (Ni)	7440-02-0	NIOSH 7300 mod.	ICP	MCE/PVC	1 - 4	5 - 1000	30	ea
Nickel Carbonyl (Ni)	13463-39-3	NIOSH 6007 mod.	ICP-MS	MCE & ORBO 304	0.05 - 0.2	7 - 80	45	ea
MCE filter analysis is not included in price								

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# Industrial Hygiene

Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
Nitric Acid (HNO <sub>3</sub> )	7697-37-2	NIOSH 7903	IC	SKC 226-10-03	0.2 - 0.5	3 - 100	45	ea
Nitric Oxide (NO)	10102-43-9	NIOSH 6014 mod. / OSHA 182	IC	(3) SKC 226-40-02	0.025	1.5 - 6	65	ea
Oxidizer tube needed prior to triethanolamine (TEA) tube in sampling train								
Nitrobenzene	98-95-3	NIOSH 2005	GC-FID	SKC 226-10	0.01 - 1.0	10 - 150	45	ea
Nitrogen Dioxide (NO <sub>2</sub> )	10102-44-0	NIOSH 6014 mod. / OSHA 182	IC	(3) SKC 226-40-02	0.025	1.5 - 6	65	ea
No oxidizer tube required								
NMP (n-Methy-2-Pyrrolidone)	872-50-4	NIOSH 1302	GC-FID	SKC 226-01	0.05 - 0.2	0.5 - 125	45	ea
NO <sub>2</sub> / Nox	N/A	NIOSH 6014 mod. / OSHA 182	IC	(3) SKC 226-40-02	0.025	1.5 - 6	100	ea
Nuisance Dust, Respirable	N/A	NIOSH 0600	Gravimetric	PVC - preweighed	1.7 (Nylon Cyclone)	20 - 1200	16	ea
Nuisance Dust, Total	N/A	NIOSH 0500	Gravimetric	PVC - preweighed	1 - 2	20 - 1200	16	ea
n-Octane	111-65-9	NIOSH 1500	GC-FID	SKC 226-01	0.01 - 0.2	4	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Oil Mist (Metalworking Fluids (MWF) All Categories)	8012-95-1	NIOSH 5026	FTIR	MCE, PCV or GFF	1 - 3	20 - 500	85	ea
Send reference material in separate shipment. Oil must be solvent soluble.								
Oil Mist (Veg Oil) Particulate	N/A	NIOSH 0600 or 0500	Gravimetric	PVC - preweighed	1.7 - 2.5	20 - 400	16	ea

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Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
Ozone	10028-15-6	OSHA 214	IC	SKC 225-9014	1.5	90	65	ea
Paraffin Wax Fume	8002-74-2	OSHA CSI	GC-FID	GFF	1	200 - 600	75	ea
Particulates-PNOC (Not Otherwise Classified Particulates)	N/A	NIOSH 0500	Gravimetric	PVC - preweighed	1.5 - 2.0	200 - 1200	16	ea
PCB-Vapor & Particulate (Polychlorinated Biphenyls)	N/A	NIOSH 5503	GC-ECD	GFF & SKC 226-39	0.05 - 0.2	50	100	ea
n-Pentane	109-66-0	NIOSH 1500	GC-FID	SKC 226-01	0.01 - 0.2	4	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3520	N/A	3 hrs	45	ea
Perchloroethylene (Tetrachloroethylene)	127-18-4	NIOSH 1003	GC-FID	SKC 226-01	0.01 - 0.2	1 - 40	45	ea
		OSHA 1001	GC-FID	POVM SKC 575-002	N/A	8 hrs	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Petroleum Distillate	N/A	NIOSH 1550	GC-FID	SKC 226-01	0.01 - 0.20	1.3 - 20	65	ea
Petroleum Ether (VM&P Naphtha, Ligroin)	8032-32-4	NIOSH 1550	GC-FID	SKC 226-01	0.01 - 0.20	1.3 - 20	65	ea
Petroleum Naphtha	8002-05-09	NIOSH 1550	GC-FID	SKC 226-01	0.01 - 0.20	1.3 - 20	65	ea
pH	N/A	EPA 9045D	Electrode	Bulk / Soil	N/A	N/A	15	ea
Phenanthrene	85-01-8	NIOSH 5506	HPLC-UV/FL	PTFE & SKC 226-30-04	2	200 - 1000	85	ea

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Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
Phenol	108-95-2	OSHA 32	HPLC	226-95	0.1	24	85	ea
Phenyl Ether	101-84-8	NIOSH 1617	GC-FID	SKC 226-01	0.01 - 0.2	1 - 50	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Phenylethylene (Styrene)	100-42-5	OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
		NIOSH 1501	GC-FID	SKC 226-01	0.05 - 1.0	1 - 14	45	ea
Phosphine (P)	7803-51-2	OSHA 1003	ICP-AES	SKC 225-9018	1.0	240	75	ea
Phosphoric Acid (H3PO4)	7664-38-2	NIOSH 7903	IC	SKC 226-10	0.2 - 0.5	3 - 100	45	ea
		OSHA 111	IC	MCE/PVC	0.5 - 1.5	30 - 960	45	ea
Platinum (Pt)	7440-06-4	NIOSH 7300 mod.	ICP	MCE/PVC	1 - 4	200 - 5000	60	ea
		NIOSH 7300 mod.	ICP	MCE/PVC	1 - 4	200 - 5000	75	ea
Platinum, Soluble Salts as Pt	N/A	NIOSH S191 mod.	ICP-MS	MCE/PVC	1 - 4	500 - 1200	75	ea
Polynuclear Aromatic Hydrocarbons Profile	N/A	NIOSH 5506	HPLC-UV/FL	PTFE + SKC 226-30-04	2	200 - 1000	325	ea
Transfer filters to glass vials after sampling; wrap to protect from light. Ship sample refrigerated overnight delivery.								
Potassium (K)	N/A	NIOSH 7300 mod.	ICP	MCE/PVC	1 - 4	5 - 1000	30	ea
Potassium Hydroxide (Alkaline Dust)	1310-58-3	NIOSH 7401	Titration	PTFE	1 - 4	70 - 1000	55	ea

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Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
n-Propyl Acetate	109-60-4	NIOSH 1450	GC-FID	SKC 226-01	0.01 - 0.2	1 - 10	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
n-Propyl Alcohol	71-23-8	NIOSH 1401	GC-FID	SKC 226-01	0.01 - 0.2	1 - 10	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	6 hrs	45	ea
Propylene Glycol	57-55-6	NIOSH 5523	GC-FID	GFF & SKC 226-57	0.5 - 2.0	5 - 60	65	ea
Propylene Glycol Methyl Ether (PGME) (Propylene Glycol Monomethyl Ethers/Acetates)	107-98-2, 1589-47-5	OSHA 99	GC-FID	SKC 226-01	0.1	5 - 10	45	ea
Propylene Oxide	75-56-9	NIOSH 1612	GC-FID	SKC 226-01	0.01 - 0.2	0.5 - 5	100	ea
		OSHA 88	GC-FID	SKC 226-81A	0.1	5	100	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3520	N/A	8 hrs	100	ea
Pseudocumene (1, 2, 4 - Trimethylbenzene)	95-63-6	NIOSH 1501	GC-FID	SKC 226-01	0.01 - 0.2	30	45	ea
Pyrene	129-00-0	NIOSH 5506	HPLC-UV/FL	PTFE + SKC 226-30-04	2	200 - 1000	85	ea
Pyridine	110-86-1	NIOSH 1613	GC-FID	SKC 226-01	0.01 - 1.0	18 - 150	45	ea
Quartz	N/A	NIOSH 7500/0600	Grav / XRD	PVC - preweighed	Dependent on cyclone type	300 - 900	70	ea

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# Industrial Hygiene

Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
Refrigerant 113 (1,1,2-Trichloro-2,2,1-trifluoroethane)	76-13-1	NIOSH 1020	GC-FID	SKC 226-01	0.01 - 0.05	0.1 - 3	65	ea
Respirable Particulate (Particulates, N.O.R, Resp)	N/A	NIOSH 0600	Gravimetric	PVC - preweighed	Dependent on cyclone type	20 - 400	16	ea
Rubber Solvent	8030-30-6	NIOSH 1550	GC-FID	SKC 226-01	0.01 - 0.20	1.3 - 20	65	ea
Selenium (Se)	7782-49-2	NIOSH 7300 mod.	ICP	MCE/PVC	1 - 4	13 - 2000	30	ea
Silica, Crystalline - Air - Quartz, Cristobalite, Tridymite	Various	NIOSH 7500/0600	XRD/Grav	PVC - preweighed	1.7 Nylon Cyc: 2.5 Al Cyc.	400 - 1000	70	ea
Silica, Crystalline - Bulk - Quartz, Cristobalite, Tridymite	Various	NIOSH 7500 mod.	XRD	Bulk / Powder	N/A	N/A	200	ea
Silica, Crystalline - Bulk (< 10 um)	Various	Size Separation or NIOSH 7500 mod.	XRD/ CCSEM or Stokes Settling	Bulk / Powder	N/A	N/A	450	ea
Silica, Quartz (Respirable Coal Mine Dust)	N/A	MSHA P7	Grav / IR	PVC-MSHA	2	480 - 960	75	ea
Silver (Ag)	7440-22-4	NIOSH 7300 mod.	ICP	MCE/PVC	1 - 4	250 - 2000	30	ea
Sodium (Na)	7440-23-5	NIOSH 7300 mod.	ICP	MCE/PVC	1 - 4	13 - 2000	30	ea

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# Industrial Hygiene

Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
Sodium Hydroxide (Alkaline Dust)	1310-73-7	NIOSH 7401	Titration	PTFE	1 - 4	70 - 1000	55	ea
Stoddard Solvent (Mineral Spirits)	8052-41-3	NIOSH 1550	GC-FID	SKC 226-01	0.01 - 0.20	1.3 - 20	55	ea
Strontium (Sr)	7440-24-6	NIOSH 7300 mod.	ICP	MCE/PVC	1 - 4	10 - 1000	30	ea
Styrene	100-42-5	NIOSH 1501	GC-FID	SKC 226-01	0.01- 1	1 - 14	45	ea
		NIOSH 1501 mod.	GC-FID	POVM 3M 3500, SKC 575-001,002	N/A	8 hrs	45	ea
Sulfate Particulate (Water Soluable)	N/A	NIOSH 6004	IC	MCE/PVC	0.5 - 1.5	30 - 100	45	ea
Sulfur (S) (Sulfer in Petroleum Products)	7704-34-9	NIOSH 7300 mod.	ICP	MCE/PVC	1 - 4	13 - 2000	30	ea
Sulfur Dioxide (SO2)	7446-09-5	OSHA 200	IC	SKC 226-80 w/225-1708	0.1	1.5 - 12	50	ea
Sulfuric Acid (H2SO4)	7664-94-9	NIOSH 7903	IC	SKC 226-10-03	0.2 - 0.5	3 - 100	45	ea
Tantalum	7440-25-7	NIOSH 7300 mod.	ICP	MCE/PVC	1 - 4	200 - 400	60	ea
TDI as mixture (2,4-Toluene Diisocyanate and/or 2,6-Toluene Diisocyanate)	584-84-9, 91-08-7	OSHA 42	HPLC-UV	SKC 225-9002	1	15	85	ea
Tellurium (Te)	13494-80-9	NIOSH 7300 mod.	ICP	MCE/PVC	1 - 4	25 - 2000	30	ea
1,1,2,2-Tetrabromoethane	79-27-6	NIOSH 2003	GC-FID	SKC 226-10	0.2 - 1.0	50 - 100	45	ea

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# Industrial Hygiene

Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
Tetrahydrofuran	109-99-9	NIOSH 1609	GC-FID	SKC 226-01	0.01 - 0.20	1.0 - 9.0	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Thallium (Tl)	7440-28-0	NIOSH 7300 mod.	ICP	MCE/PVC	1 - 4	25 - 2000	30	ea
Tin (Sn) - Inorganic	7440-31-5	OSHA 121	ICP/ICP-MS	MCE/PVC	1 - 4	5 - 500	30	ea
Titanium Dioxide	13463-67-7	OSHA 125	ICP-AES	MCE/PVC	1 - 4	100 - 1000	30	ea
p-tert-Butyl Toluene	98-51-1	NIOSH 1501	GC-FID	SKC 226-01	0.01 - 0.2	1 - 29	45	ea
Toluene	108-88-3	OSHA 111	GC-FID	POVM SKC 575-002	N/A	12L/240 min	45	ea
		OSHA 1005	GC-FID	POVM 3M 3520	N/A	8 hrs	45	ea
		NIOSH 1501	GC-FID	SKC 226-01	0.01 - 0.2	1 - 8	45	ea
2, 4 -Toluene Diisocyanate (TDI)	584-84-9	OSHA 42	HPLC-UV	SKC 225-9002	1	15	85	ea
2, 6 -Toluene Diisocyanate (TDI)	91-08-7	OSHA 42	HPLC-UV	SKC 225-9002	1	15	85	ea
Total Hydrocarbons	N/A	NIOSH 1500 mod.	GC-FID	SKC 226-01	0.2	4	65	ea
Total Particulate	N/A	NIOSH 0500	Gravimetric	PVC - preweighed	1 - 2	20 - 1200	16	ea
Tri(ethylene) Glycol	112-27-6	NIOSH 5523	GC-FID	GFF & SKC 226-57	0.5 - 1.0	5 - 60	65	ea

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# Industrial Hygiene

Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
1, 1, 2 -Trichloro-1, 2, 2 -trifluoroethane (Refrigerant 113)	76-13-1	OSHA 113	GC-FID	(2) SKC 226-121	0.05	1 hrs	65	ea
		NIOSH 1020	GC-FID	(2) SKC 226-01	0.01 - 0.05	0.1 - 3	65	ea
1, 1, 1 - Trichloroethane (methyl chloroform)	71-55-6	NIOSH 1003	GC-FID	SKC 226-01	0.01 - 0.2	0.1 - 8	45	ea
		OSHA 14	GC-FID	SKC 226-01	0.2	3	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
1, 1, 2 - Trichloroethane	79-00-5	NIOSH 1003	GC-FID	SKC 226-01	0.01 - 0.2	2 - 60	45	ea
		OSHA 11	GC-FID	SKC 226-01	0.2	10	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Trichloroethylene	79-01-6	NIOSH 1022	GC-FID	SKC 226-01	0.01 - 0.2	1 - 30	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
1, 2, 3 - Trichloropropane	96-18-4	NIOSH 1003	GC-FID	SKC 226-01	0.01 - 0.2	0.6 - 60	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea

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# Industrial Hygiene

Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
1, 2, 3 - Trimethylbenzene	526-73-8	NIOSH 1502	GC-FID	SKC 226-01	0.01 - 0.2	10 - 30	45	ea
Tungsten (W)	7440-33-7	NIOSH 7300 mod.	ICP	MCE/PVC	1 - 4	5 - 1000	30	ea
Turpentine	8006-64-2	NIOSH 1550	GC-FID	SKC 226-01	0.01 - 0.20	1.0 - 10	65	ea
Vanadium (V)	7440-62-6	NIOSH 7300 mod.	ICP	MCE/PVC	1 - 4	5 - 2000	30	ea
n-Vinyl 2-Pyrrolidone	88-12-0	NIOSH 1302	GC-FID	SKC 226-01	0.05 - 0.2	12	45	ea
Vinyl Acetate	108-05-4	NIOSH 1453	GC-FID	C. Mol. Sieve/ORBO-92	0.10 - 0.20	0.1 - 24	45	ea
		OSHA 51 mod.	GC-FID	POVM SKC 575-002	N/A	24	45	ea
Vinyl Bromide (Bromoethene)	593-60-2	NIOSH 1009	GC-FID	SKC 226-09	0.01 - 0.20	2 - 10	45	ea
		OSHA 08	GC-FID	SKC 226-01	0.02	5	45	ea
Vinyl Chloride (Chloroethylene)	75-01-4	OSHA 04	GC-FID	(2) SKC 226-01	0.05	1	65	ea
		NIOSH 1007	GC-FID	(2) SKC 226-01	0.05	0.7 - 5.0	65	ea
Ship sample refrigerated overnight delivery								
4-Vinyl Toluene, 3-vinyl Toluene	39294-88-7	NIOSH 1501	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
4-Vinyl-1-cyclohexene	100-40-3	OSHA 07 mod.	GC-FID	SKC 226-01	0.02	10	45	ea
Vinylidene Chloride (1-1 Dichloroethylene)	75-35-4	NIOSH 1015	GC-FID	SKC 226-01	0.01 - 0.2	2.5 - 7	45	ea

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# Industrial Hygiene

Analyte	CAS #	Method	Technique	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
Welding Fume Particulate	N/A	NIOSH 0500	Gravimetric	PVC - preweighed	1 - 4	200 - 1200	16	ea
Wood Dust	N/A	NIOSH 0500	Gravimetric	PVC - preweighed	1.5 - 2.0	100 - 500	16	ea
Xylene, Total (all isomers)	1330-20-7	NIOSH 1501	GC-FID	SKC 226-01	0.02 - 0.2	2 - 23	45	ea
		NIOSH 1501 mod.	GC-FID	POVM SKC 575-002	0.05	12L/240 min	45	ea
		OSHA 07 mod.	GC-FID	POVM 3M 3500	N/A	8 hrs	45	ea
Yttrium	7440-65-5	NIOSH 7300 mod.	ICP	MCE/PVC	1 - 4	5 - 200	30	ea
Zinc (Zn)	7646-85-7	NIOSH 7300 mod.	ICP	MCE/PVC	1 - 4	5 - 200	30	ea
Zinc Oxide	1314-13-2	NIOSH 7300 mod.	ICP	MCE/PVC	1 - 4	5 - 200	30	ea
Zirconium (Zr) - metal	7440-67-7	NIOSH 7300 mod.	ICP	MCE/PVC	1 - 4	5 - 200	30	ea

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## Industrial Hygiene Profiles

Profiles	Method	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
<b>Aldehyde Profile</b> Acetaldehyde, Acrolein, Butyraldehyde, Crotonaldehyde, Formaldehyde, Furfural, Glutaraldehyde, Heptanal, Hexanal, Isobutyraldehyde, Isovaleraldehyde, Propionaldehyde	NIOSH 2016 Mod. / TO-11A	SKC 226-119	.1-1.5	15	325	ea
<b>Aromatic Hydrocarbon Profile (Screening Method Only)</b> Benzene, Chlorobenzene, Cumene, o-Dichlorobenzene, p-Dichlorobenzene, Ethyl Benzene, a-Methyl Styrene, Naphthalene, p-tert Butyl Toluene, Styrene, Toluene, Vinyl Toluene, Xylene	NIOSH 1501 mod., GC-FID	SKC 226-01 or 3M, POVM or SKC 575-002	0.1 - 0.2	10	150	ea
<b>BTEX Profile</b> Benzene, Ethyl Benzene, Toluene and Xylene, Total Hydrocarbon (VOC as Hexane)	NIOSH 1501, GC-FID	SKC 226-01 or 3M, POVM or SKC 575-002	0.1 - 0.5	10	120	ea

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# Industrial Hygiene Profiles

Profiles	Method	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit	
<b>Diisocyanate Profile</b>							
HDI, MDI, 2,4-TDI, 2,6,-TDI	OSHA 42 & 47, HPLC/UV&FL	Trtd. GFF	0.2 - 1.0	15 - 30	225	ea	
<b>Glycol Profile</b>							
1,3-Butylene Glycol, Diethylene Glycol, Ethylene Glycol, Propylene Glycol	NIOSH 5523, GC-FID	SKC 226-57	0.5 - 2.0	5 - 60	120	ea	
<b>Inorganic Acid Profile</b>							
Hydrobromic Acid, Hydrochloric Acid, Hydrofluoric Acid, Nitric Acid, Phosphoric Acid, Sulfuric Acid	NIOSH 7903, IC	SKC 226-10-03	0.2 - 0.4	100	165	ea	
<b>Qualitative Organic Solvent Screen</b>							
<p>This method involves analysis of an air sample collected on activated charcoal (Supelco ORBO-100, POVM or equivalent sampling media recommended). The sampling media are extracted with carbon disulfide and the extract is scanned for volatile organic compounds using a direct injection into a gas chromatograph with mass spectrometric detection. The major peaks are identified using Wiley 184/EPA02 database compilation of over 240,000 mass spectra. NOTE: Quantitation requests must be received within 24 hours of initial solvent reporting.</p>		GC- MS/GC-FID	SKC 226-01/3M, POVM	0.02 - 1.0	5 - 20	250❖	ea
❖ \$48 for analyte quantification of common solvents							

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# Industrial Hygiene Profiles

Profiles	Method	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
<b>OSHA 58 BenzeneSoluble Fraction by HPLC (PAH's)</b> Anthracene, Benzo(a)pyrene, Chrysene, Phenanthrene, Pyrene	OSHA 58, HPLC-UV/FL	PTFE Benzene, Soluble Fraction	2.0	200 - 960	325	ea
<b>Polynuclear Aromatic Hydrocarbons (PAH's also know as PNA's)</b> Acenaphthene, Acenaphthylene, Anthracene, Benz(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(ghi)perylene, Benzo(a)pyrene, Benzo(e)pyrene, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene	NIOSH 5506/HPLC, UV/FL	PTFE & Washed XAD-2	2.0	200 - 1000	450	ea
<b>Solder Metal Profile</b> Antimony, Beryllium, Cadmium, Copper, Lead, Silver, Tin, Zinc Oxide	OSHA 206	MCE	2.0	960	110	ea
<b>Six (6) Metal Profile</b> Arsenic, Beryllium Cadmium, Chromium, Lead, Vanadium	NIOSH 7300	MCE	1.0 - 2.0	480	90	ea
<b>Thirteen (13) Metal Profile</b> Antimony, Beryllium, Cadmium, Chromium, Cobalt, Copper, Iron, Lead, Manganese, Molybdenum, Nickel, Vanadium, Zinc	NIOSH 7300	MCE	1.0 - 2.0	480	145	ea

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# Industrial Hygiene Profiles

Profiles	Method	Sampling Media	Sampling Rate (LPM)	Suggested Volume (L)	Price	Unit
<b>Twenty-two (22) Metal Profile</b> Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Colbalt, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc	NIOSH 7300	MCE	1.0 - 2.0	960	235	ea
<b>Welding Fume Profile</b> Aluminum, Antimony, Beryllium, Cadmium, Chromium, Colbalt, Copper, Iron, Lead, Manganese, Molybdenum, Nickel, Titanium, Vanadium, Zinc	NIOSH 7300 / OSHA ID 125	MCE or PVC Preweighed	1.0 - 2.0	200 - 1000	165	ea

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## Environmental and Wet Chemistry

### Inorganics

Drinking Water	Method	Technique	Analyte	Price	Unit
Determination of Inorganic Anions	EPA 300.0	IC	Bromide, Chloride, Fluoride, Nitrate, Nitrite, Orthophosphate as P, Sulfate (as SO <sub>4</sub> )	45	ea
				195	group
Total Dissolved Solids	SM 2540C	Grav.	TDS	20	ea
Determination of Trace Elements and Metals in Drinking Water	EPA 200.7 / 200.8	ICP-AES	Ca, Mg, K, Na (200.7), Al, Ba, Be, Cd, Cr, Cu, Fe, Mn, Ni, Ag, Zn, B, Sb, As, Pb, Hg, Se, Si, Ti, V (200.8)	15❖	ea
Hardness (calc.)	EPA 200.7	ICP-AES		35❖	ea
Mercury in Water	EPA 245.1	CVAA		45	ea
Asbestos in Water	EPA 100.0 / 100.2	TEM		155	ea
Mineral	EPA 310.1 / 300.0	Titration / IC	Alkalinity	90	group

❖ \$15 prep fee per sample

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# Environmental and Wet Chemistry

Waste Water	Method	Technique	Analyte	Price	Unit
Conductivity	EPA 120.1 / SM 2510B	Conductivity Meter	Conductivity	20	ea
Determination of Trace Elements and Metals in Waste Water	EPA 200.7 / 200.8	ICP-AES	B, Ca, Mg, K, Si, Na (200.7), Al, Sb, As, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Ni, Se, Ag, Tl, V, Zn, Hg, Mo, Se, Si, Sn, Ti, U (200.8)	15❖	ea
Hardness (calc.)	EPA 200.7	ICP-AES		35❖	ea
Determination of Inorganic Anions	EPA 300.0	IC	Bromide, Chloride, Fluoride, Nitrate, Nitrite, Orthophosphate as P, Sulfate	45 195	ea group
Turbidity	SM 2130B / EPA 180.1	Turbidimeter		20	ea
Residue, Total (TS)	SM 2540B			20	ea
Residue, Filterable (TDS)	SM 2540C			20	ea
Residue, Non-Filterable (TSS)	SM 2540D			20	ea
pH	SM 4500-H+B / EPA 9045			20	ea
Mercury in Water	EPA 245.1 / 7470A / 7471A	CVAA Hg		45	ea

❖ \$15 prep fee per sample

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# Environmental and Wet Chemistry

Waste Water	Method	Technique	Analyte	Price	Unit
Trace Elements in Waste Water	EPA 6010	ICP-AES	Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mn, Mo, Ni, K, Se, Si, Ag, Na, Sr, Tl, Sn, Ti, V, Zn	15❖	ea
Chromium (VI)	EPA 7199	IC	Cr	55	ea
Corrosivity - pH determination	EPA 9045C	pH		20	ea
Determination of Inorganic Anions in Waste Water	EPA 9056	IC	Bromide, Chloride, Fluoride, Nitrate, Nitrite, Orthophosphate as P, Sulfate	45	ea
				195	group

Solids and Hazardous Waste	Method	Technique	Analyte	Price	Unit
Metals EPA	6020	ICP-MS	Al, Sb, As, Ba, Be, B, Cu, Fe, Pb, Mn, Hg, Mo, Ni, Se, Ag, Sr, Tl, Sn, Ti, V, Zn	15❖	ea
Trace Elements in Solids	EPA 6010	ICP-AES	Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mn, Mo, Ni, K, Se, Si, Ag, Na, Sr, Tl, Sn, Ti, V, Zn	15❖	ea
Waste Extraction Test (WET)	CCR Chapter 11, Article 5, Appendix II			50	ea
Bulk Asbestos Analysis of Hazardous Waste	EPA 600 / M4-82-020	PLM	Asbestos	15	ea

❖ \$15 prep fee per sample

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Solids and Hazardous Waste	Method	Technique	Analyte	Price	Unit
Chromium (VI)	EPA 7199	IC	Cr	55	ea
Mercury	EPA 7470	CVAA	Hg	45	ea
Mercury	EPA 7471	CVAA	Hg	45	ea
pH	EPA 9045	pH		15	ea
Determination of Inorganic Anions	EPA 300.0	IC	Bromide, Chloride, Fluoride, Nitrate, Nitrite, Orthophosphate as P, Sulfate	45	ea
				195	group
Toxicity characteristic leaching procedure (TCLP) - inorganics	EPA 1311			50❖❖	ea

❖ \$15 prep fee per sample

❖❖ An additional \$15 is charged for each metal

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# Environmental and Wet Chemistry

## Organics

Potable and Non-Potable Water	Method	Technique	Price	Unit
Volatile Aromatics	EPA 524.2	GC-MS	210	group
Volatile Halocarbons	EPA 524.2	GC-MS	90	group
Fuel Oxygenates	EPA 8260B	GC-MS	145	group
Polychlorinated Biphenyls	EPA 608 / 8082	GC	129	group
Polynuclear Aromatics	EPA 625 / 8270C	GC-MS	300	group
Purgeable Aromatics	EPA 625 / 8260B / 8270C	GC-MS	120	group
Purgeable Halocarbons	EPA 624 / 8260B	GC-MS	190	group
Purgeable Organics	EPA 8260B	GC-MS	210	group
Volatile Chlorinated Organics	EPA 8260B	GC-MS	190	group

## Solid and Hazardous Waste

Acrylates	EPA 8260B	GC-MS	190	group
Chlorinated Hydrocarbons	EPA 8260B / 8270C	GC-MS	190	group
Haloethers	EPA 8270C	GC-MS	280	group
Polychlorinated Biphenyls	EPA 8082	GC	120	group
Polynuclear Aromatics	EPA 8260B	GC-MS	300	group
Purgeable Halocarbons	EPA 8260B	GC-MS	190	group
Purgeable Organics	EPA 8260B	GC-MS	210	group
Volatile Chlorinated Organics	EPA 8260B	GC-MS	190	group

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# Environmental and Wet Chemistry

Air and Emissions	Method	Technique	Price	Unit
Acrylates	EPA TO-17 / TO-15	GC-MS	250	group
Chlorinated Hydrocarbons	EPA TO-14A / TO-15	GC / GC-MS	250	group
Polychlorinated Biphenyls	EPA TO-10A	GC-MS	150	group
Polynuclear Aromatics	EPA TO-13	GC-MS	275	group
Purgeable Aromatics	EPA TO-14A / TO-13	GC / GC-MS	250	group
Purgeable Halocarbons	EPA TO-14A / TO-15 / TO-17	GC / GC-MS	250	group
Volatile Chlorinated Organics	EPA TO-14A / TO-15	GC / GC-MS	250	group
Volatile Organics	EPA TO-14A / TO-15 / TO-17	GC / GC-MS	250	group

Miscellaneous		Technique	Price	Unit
Lead in dust wipes	EPA 7420	FLAA	10	ea
Lead in paint	EPA 7420.	FLAA	10	ea

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## Environmental and Wet Chemistry

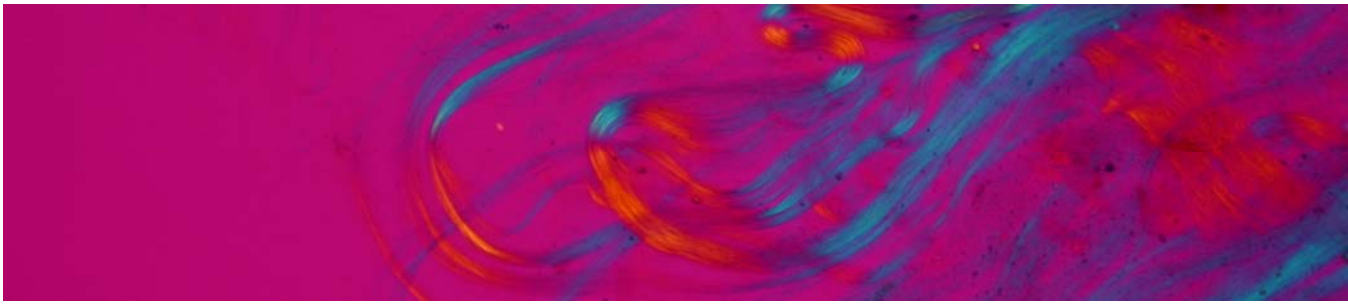
Sample Preparation Techniques	Method	Price	Unit
Preconcentration under acid	EPA 3005A	15	group
Hot plate acid digestion (HNO <sub>3</sub> + HCl)	EPA 3010A / SM 3030F	15	group
Microwave-assisted acid digestion	EPA 3015	50	group
Alkaline-digestion of Cr(VI)	EPA 3060A	20	group
Acid digestion of solids	EPA 3050B	15	group
Microwave digestion - solids (HNO <sub>3</sub> only)	EPA 3051	50	group
Microwave digestion - solids (HNO <sub>3</sub> + HF)	EPA 3052	75	group
Separatory Funnel Liquid-Liquid Extraction	EPA 3510C	50	group
Continuous Liquid-Liquid Extraction	EPA 3520C	50	group

## Specialty Chemicals and Coatings

RJ Lee Group is equipped to solve your routine and specialty chemical problems. Through a customized analytical approach using multiple techniques, we validate the morphology, composition, and uniformity of materials to ensure their integrity and uncover trace contaminants. Please contact us to discuss your specialty chemicals and project-specific pricing.

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# Asbestos Analytical Services

PCM - AIR - 5 Day TAT	Price	Unit
NIOSH 7400	12	ea

PLM - 5 Day TAT	Price	Unit
EPA/600/R-93/116 (reporting limit to <1%) (Calibrated Visual Estimate) ❖	15	ea
EPA/600/R-93/116 (reporting limit to <0.25%) (400 Point Count) ❖	45	ea
EPA/600/R-93/116 (reporting limit to <0.1%) (1,000 Point Count) ❖	100	ea
CARB 435	200	ea
NY-ELAP 198.1	15	ea
NY-ELAP Method 198.1 mod.	65	ea
NYELAP Method 198.6 (NOB)❖❖	65	ea
USP 32 Absence of Abestos in Talc	50	ea
Gravimetric Reduction Prep	Call for quote	

XRD - 5 Day TAT	Price	Unit
USP 32 Absence of Abestos in Talc	200	ea

SEM - 5 Day TAT	Price	Unit
ISO 14966	250	ea

Rush analysis can be available for samples at an additional charge. Please call for more information.

For raw materials or non-building materials call for quote.

- ❖ Fees are per layer (e.g., tile and mastic charged separately); Gravimetric Reduction Prep is recommended for problem matrix materials such as NOB's (Non-Friable Organically Bound Materials).
- ❖❖ Typical NOB's include but are not limited to: floor tiles, mastics, roofing, caulking, tars, glazing.

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# Asbestos Analytical Services

## TEM - 5 Day TAT unless indicated otherwise

Tissue - Fiber Burden Analysis ❖	Call for quote
AHERA Clearance	50 ea
AHERA Non-Clearance	90 ea
ASTM D5755-02 (Microvac)	Call for quote
ASTM D5756-02 (Microvac)	Call for quote
ASTM D5756-02 (Weight Percent)	Call for quote
ASTM D6480-99	150 ea
Chatfield SOP-1988-02 / NY-ELAP 198.4 (NOB) ❖	70 ea
ISO 10312:1995 (Direct) ❖	120 ea
ISO 103794 (Indirect) ❖	145 ea
NIOSH 7402	90 ea
EPA 100.2 - Non-Potable Water ❖	225 ea
EPA 100.1 - Drinking Water ❖	155 ea
USA EPA Draft Contract 68-02-3266 - Yamate Level I	80 ea
USA EPA Draft Contract 68-02-3266 - Yamate Level II	90 ea
USA EPA Draft Contract 68-02-3266 - Yamate Level III	Call for quote

Rush analysis can be available for samples at an additional charge. Please call for more information.

❖ Standard turnaround time is 10 days

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## Coal Mine Industry - Safety & Compliance Testing

We can help you mitigate risk, protect workers, and assure compliance with current MSHA regulations. Our experts are also available for additional analytical testing and consultation.

Test	Method	Technique	Price	Unit
Total Incombustible Content (Rock Dust) - Bulk	MH 102	Grav	50	ea
Respirable Dust - Air	NIOSH 0600	Grav	16	ea
Total Dust - Air	NIOSH 0500	Grav	16	ea
Respirable Silica, Crystalline - Air	NIOSH 7500/0600	XRD	70	ea
Respirable Silica, Quartz - Air (Coal Mine Dust)	MSHA P7	FTIR	75	ea
Silica, Crystalline - Bulk	NIOSH 7500 mod.	XRD	200	ea
Chromium, Hexavalent (CrVI) Welding Fume	OSHA 215	IC-UV	55	ea
Samples must be shipped to the lab within 24 hours of collection				
<b>MSHA Elemental Profile (Dust and Fumes)</b>				
As, Be, Cd, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, Sb, V, Zn	NIOSH 7300 / OSHA ID 125	ICP-AES	165	group

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## Wine Testing

### Alcohol & Aldehydes - 5 Day TAT

	Technique	Price	Unit
Ethanol GC/FID		25	ea
Acetaldehyde Spectrophotometer		24	ea
Glycerol	Spectrophotometer	25	ea

### Acids - 5 Day TAT

Acetic Acid	Enzymatic	24	ea
Citric Acid	Enzymatic	24	ea
Lactic Acid	Enzymatic	24	ea
Malic Acid	Enzymatic	24	ea
Oxalic Acid	Enzymatic	35	ea
Succinic Acid	Enzymatic	24	ea
Tartaric Acid	Enzymatic	24	ea
pH	N/A	12	ea
Titrateable Acidity	Titration	15	ea
Volatile Acidity	Cash Still	18	ea

### Metals (Juice & Soil) - 5 Day TAT

Calcium, copper, iron, potassium, sodium, magnesium, zinc	ICP	18❖	ea
❖ Price is for individual element			
Metal Prep	ICP	18	ea

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# Wine Testing

## Sugars - 5 Day TAT

	Technique	Price	Unit
Brix Refractometer		18	ea
Fructose	Enzymatic	24	ea
Glucose	Enzymatic	24	ea
Glucose + Fructose	Enzymatic	28	ea
Total Glucose	Enzymatic	24	ea
Reducing Sugar	Rebelein	25	ea
Sucrose Enzymatic		30	ea

## Nitrogen - 5 Day TAT

Ammonia as N	Spectrophotometer	30	ea
Primary Amino Nitrogen (NOPA)	Spectrophotometer	36	ea
Yeast Assimible Nitrogen (NOPA + Ammonia)	Spectrophotometer	48	ea

## Preservatives - 5 Day TAT

Free SO2	Aeration/Oxidation	15	ea
Bound SO2	Aeration/Oxidation	18	ea
Free + Total SO2	Aeration/Oxidation	24	ea
Ascorbic Acid	Enzymatic	24	ea
Sorbic Acid	Enzymatic	28	ea

## Stability & Particulates - 5 Day TAT

Heat Stability		20	ea
Cold Stability		20	ea
% Ash		25	ea
Alkalinity of Ash		30	ea
Total Extract		25	ea
Specific Gravity		20	ea

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# Wine Testing

## Color & Phenolics - 5 Day TAT

	Price	Unit
Color (Absorbance: 280/520)	24	ea
Total Phenols	25	ea
Phenols, Total Flavanoids	25	ea

## Custom Panels - 5 Day TAT

<b>Chemistry Panel</b> This panel provides basic chemistry results that every winemaker needs. (Alcohol, Volatile Acidity, Malic Acid, Titratable Acidity, pH, Free SO <sub>2</sub> , Total SO <sub>2</sub> , Glucose, and Fructose)	120	ea
<b>Quality Panel</b> The quality control panel includes standard tests to monitor progress of wine. (Titratable Acidity, Volatile Acidity, pH, Free SO <sub>2</sub> , and Total SO <sub>2</sub> )	60	ea
<b>Juice Panel</b> Provides basic fruit maturity and nutritional status information for juice. (Brix (Refractometer), Ammonia, Primary Amino Nitrogen (NOPA), pH, Titratable Acidity, Malic Acid, Tartaric Acid, and Potassium)	105	ea
<b>European Export Panel</b> Includes analyses required for many exports. It also provides a basis for a certificate of analysis, for some other nations and foreign importers of U.S. wines. Requires submission of two finished, labeled bottles exactly as intended for export. Other export panels are also available upon request. (Alcohol, Titratable Acidity, Volatile Acidity, Citric Acid, Total Extract, Total SO <sub>2</sub> (A/O),	225	ea
<b>Fermentation Panel</b> Verifies the stage of fermentation at any point in process. Includes: Volatile Acidity, Malic Acid, Titratable Acidity, Glucose, and Fructose.	55	ea

Rush analysis can be available for samples at an additional charge. Please call for more information.

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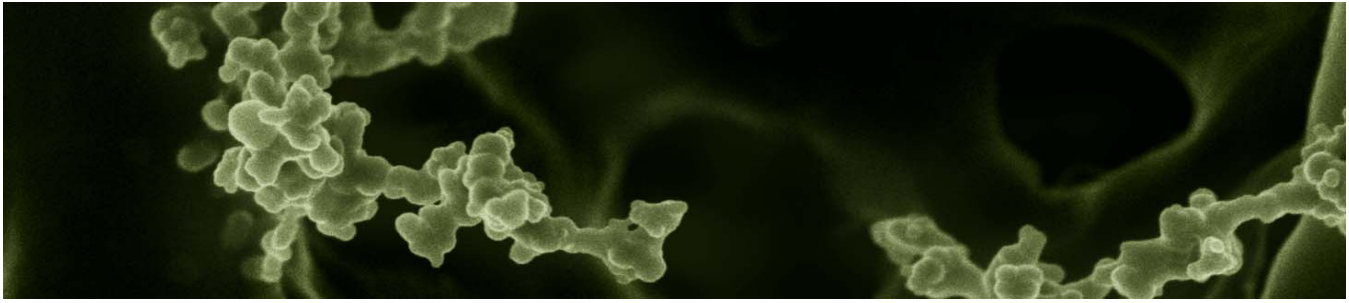
## Concrete Industry Laboratory Services

Testing Service - 15 Day TAT	Method	Call for Quote
Acid-Soluble Chloride	ASTM C1152	
Aggregate Petrography	ASTM C295	
Aggregate Sieve Analysis	ASTM C136	
Air Content (automated analysis)	RJLG Method	
Cement Composition	RJLG Method	
Cement content	ASTM C1084	
Compressive Strength	ASTM C39	
Concrete Petrography	ASTM C856	
Expansion and shrinkage	ASTM C157	
Mix Design Confirmation	RJLG Method	
Mortar Characterization	ASTM C1324	
Point Count/Air Void	ASTM C457	
Porosity	ASTM C642-97	
Rapid Chloride Permeability	ASTM C1202	
Specialized Sample Preparation	Various	
Sulfate Analysis	ASTM C114	
Water Soluble Chloride	ASTM C1218	
Water-Cement Ratio (by inspection)	RJLG Method	
Water-Cement Ratio (by microscopy)	RJLG Method	

Rush analysis can be available for samples at an additional charge. Please call for more information.

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## Materials and Particulate Characterization

Many industrial investigations require characterization using multiple techniques. We strive to support both routine and complex characterization efforts through a customized analytical approach. Please contact a representative to discuss your materials characterization and project-specific pricing.

### Optical Microscopy

*Features:*

- Stereo optical microscopy
- Polarized light microscopy
- Digital video microscopy (portable)

### Scanning Electron Microscopy with Energy Dispersive Spectroscopy (SEM/EDS)

*Features:*

- X-ray imaging
- Variable pressure chambers
- Large-size chambers
- Tungsten and field emission sources

### Ultra High-Resolution In-Lens SEM

*Features:*

- 0.4nm Resolution
- 60x - 2,000,000X
- SE, BE, DF, BF
- Field emission source

Heating and electrical testing; particle sizing available upon request

### Computer Controlled SEM (CCSEM)

Inclusion Analysis / Steel Cleanliness Analysis

Particle Size Distribution (PSD) Analysis

Particle Size Distribution/Energy Dispersive Spectroscopy (PSD/EDS) Analysis

High Atomic Number (High-Z) Feature/Particle Analysis

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# Materials and Particulate Characterization

## High Resolution Scanning Transmission Electron Microscopy (STEM)

### Features:

- 0.2nm Resolution
- 100x - 10,000,000X
- SE, BE, DF, BF
- Diffraction Imaging
- Field emission source

Heating and electrical testing; particle sizing available upon request

## X-ray Photoelectron Spectroscopy (XPS)

- Depth Profiling Analysis
- High Resolution Spectra (Chemical state analysis)
- Line Scans
- Peak Fitting (Processing of complex high resolution spectral data)
- Area Mapping
- Survey Spectra (Qualitative and quantitative)

## On-site Metallography and Inspection

Dye Penetrant Testing

Magnetic Particle Inspection

Heat Treatment

Corrosion Assessment and Testing

Full-Service Metallography Lab

Hardness Testing

Microhardness Testing

Fourier Transform Infrared (FTIR) Spectroscopy

Raman Analysis

X-ray Diffraction

X-ray Fluorescence

Gas Chromatography with Mass Spectrometric Detection (GC/MS)

Elemental Analysis (AA, ICP/AES, ICP/MS, spark emission)

Surface Area /BET Analysis (Gas adsorption - desorption)

Thermal Gravimetric Analysis (TGA)

Differential Scanning Calorimetry (DSC)

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## Criminal Forensics (Trace Evidence)

### Gunshot Residue Analysis by SEM - 5-10 Day TAT

	Price	Unit
GSR Kits	250	Stub sample
	100	Control stub sample
Particle Extraction	325	Stub sample
ISID (instant shooter identification kit)	500	Swab sample
ISID-2 Kits	500	Swab sample
	250	Individual stub sample
SEM Surface Sampling Strips	600	Strip sample

### Additional Forensic Analytical Services - 5-10 Day TAT

Manual SEM Analysis	200	hr
Optical Microscopy	200	hr
Raman Spectroscopy	250	ea
GC 350		ea
ICP/MS 90		Element
FTIR Spectroscopy	350	Sample
Trace Evidence Analysis (paint, fibers, etc.)	250	hr
Distance Determination	400	hr
Consulting	200	hr

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# Criminal Forensics (Trace Evidence)

Products	Catalog #	Price	Unit
Gunshot Residue Collection Kit (for skin)	GSR-SEM	9	ea
Fabric/Surface Sampling Kit	FOR-STUB	9	ea
SEM Surface Sampling Strips	SS2	7.50	ea
PLM/TEM Surface Sampling Strips	SS1	7.50	ea
Plume Study CD	PLV-CD	49.95	ea
Forensic Animal Hair Atlas	FOR-CD1	99.00	ea

Sales Tax: PA-7%, CA-9.75%, WA-8.3%, NY-8.875%)

Shipping will be invoiced unless a shipping account number is provided

Call for additional information

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## Mineral Identification and Characterization

### XRD - 5-10 Day TAT

	Price	Unit
Qualitative Phase ID	175	ea
Qualitative Phase ID + Total Crystalline Silica Quant (Unknown, Quartz, Cristobalite, Tridymite)	250	ea
Quantitative Phase ID (if possible)	275	ea
Full Qualitative Clay Phase ID (USGS Mineral ID)	500	ea
Expansive Clay (eg) + Qualitative Phase ID	300	ea
Total Crystalline Silica (Modified NIOSH 7500) (Quartz, Cristobalite, Tridymite)	200	ea
Full Quant & Clay (Semi-Quant) Phase ID = (USGS + Full Quant w/ Internal Standard)	775	ea
Hourly Analyzer Rate	200	hr

### XRF - 5-10 Day TAT

Semi-Quant Chemical Composition	100	ea
Semi-Quant Chemical Composition (Fusion Prep)	125	ea
Hourly Analyzer Rate	200	hr

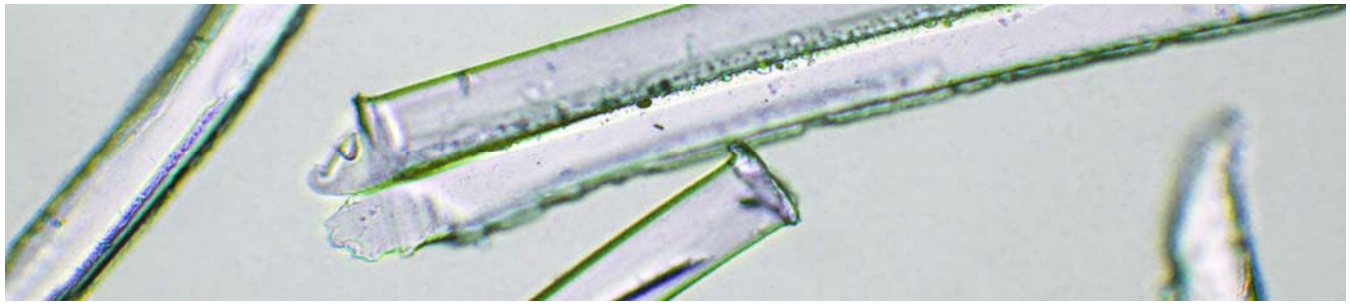
### Microscopy - 5-10 Day TAT

PLM	150	hr
SEM	Call for quote	
TEM	Call for quote	

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# Pharmaceutical

## USP Testing - 5 Day TAT

	Price	Unit
HIAC USP <788>	165-195	ea

## Foreign Particulate Characterization - 5 Day TAT

Particulate Characterization❖	700	ea
FTIR Analysis	450	ea
SEM/EDS Analysis	450	ea
Raman Analysis	450	ea
XRD Analysis	450	ea

## Total Particulate Characterization - 5-10 Day TAT

HIAC	165-195	ea
CCSEM Analysis	1,000	ea
LPE Analysis	1,350	ea
Combined Automated Analysis	1,600	ea

## Morphology and Content Uniformity Testing - 5 Day TAT

FE-SEM Analysis	500	ea
Ultra High Resolution SEM/EDS	500	hr

## Surface Characterization - 10 Day TAT

XPS Analysis	500	hr
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❖ Rush analysis can be available for samples at an additional charge. Please call for more information.

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# Terms and Conditions of Sale for RJ Lee Group Services

1. **FORMATION OF CONTRACT.** Any term of Customer's order or of releases pertaining thereto or in any communications from Customer, which is in any way inconsistent with or in addition to the Terms and Conditions set forth hereof, is objected to by RJ Lee Group. In the event that the Customer objects to any of these Terms and Conditions, such objection shall be in writing and must be received by RJ Lee Group's Chief Operations Officer at the headquarters facility in Monroeville, Pennsylvania prior to commencement of performance by RJ Lee Group. The receipt of a Customer's order for any of the services provided by RJ Lee Group shall be conclusively deemed to be acceptance of all these Terms and Conditions. RJ Lee Group's failure to object to terms contained in any communication from Customer shall not be deemed to be a waiver of these Terms and Conditions. Any references to purchase orders or to other oral or written requests for services are for purposes of description only, and any terms contained therein shall not become part of this agreement. If Customer issues multiple purchase orders, releases or other requests for services, all such orders, releases and requests shall be subject to these Terms and Conditions regardless of the provisions of any such order, release or request, and regardless of the method of ordering including, but not limited to, orders issued by telephone or orders issued by company purchase order or release.

2. **PRICES.** Prices for standard tests and services shall be in conformance with the RJ Lee Group standard price lists in effect at the time the order is accepted. Price lists are subject to change without notice. Where a single order provides for or contemplates multiple shipment dates, the price shall be determined at the time each release is accepted. Any test or service not listed will be sold at a price determined by RJ Lee Group. All charges for courier or expedited services used at the request of the Customer shall be prepaid; otherwise RJ Lee Group reserves the right to invoice for these services. Samples which must be processed on an expedited or special basis create higher costs for RJ Lee Group. A premium will be charged for such expedited or special services. RJ Lee Group reserves the right to charge 50% of the priority price differential for expedited samples which are requested but are canceled or otherwise not received by RJ Lee Group or whose priority status is lowered by the Customer. Additional analysis requested after results have been reported will incur the cost per test/analyte plus an additional reporting fee of \$25.00.

3. **SAMPLE MEDIA/SUPPLIES AND SHIPPING.** RJ Lee Group provides standard media supplies to existing customers at no cost provided samples are returned to RJ Lee Group for analysis. If samples are not returned within 90 days of original order date, the Customer is responsible for all sampling media and associated shipping costs. Costs for specialty media shall be paid for by the Customer and are described in RJ Lee Group's price lists or written quote/proposal for services. Shipping services shall be paid by Customer for requests for sample media that require shipment in less than two working days, and for shipments that have special handling requirements, including hazardous material shipments and international shipments. Sample shipping costs shall be paid for by the Customer unless otherwise agreed upon in a written quotation or proposal for services. All costs associated with the return shipment of samples shall be paid by the Customer. All return shipping costs for Customer supplied shipping containers shall be paid by the Customer.

4. **TAXES.** Prices do not include any applicable sales, value-added or similar taxes or any duties. All such taxes or duties, whether now in existence (or hereafter enacted), that are applicable to any services performed by RJ Lee Group shall be Customer's responsibility. Such taxes and duties shall be added by RJ Lee Group to the invoice amount, where appropriate.

5. **PAYMENT TERMS.** Unless specified to the contrary in writing as signed by an officer of RJ Lee Group, terms of payment shall be net thirty (30) days after date of invoice. After the invoice due date, the lesser of one and one-half percent (1.5%) of the unpaid balance (annual rate of 18%) or the maximum late payment penalty charge permitted by law shall be added for each month or part thereof that payment is delinquent. RJ Lee Group has the right, at any time, to change the amount of credit or terms of payment or to withdraw credit and to require partial or full payment in advance as a condition of performing services. Payments shall be made regardless of the results of the testing or other services performed by RJ Lee Group.

6. **PROCESSING SCHEDULES.** All samples and other requests for services submitted by Customer to RJ Lee Group shall be processed by RJ Lee Group in accordance with RJ Lee Group's normal scheduling procedures and are not guaranteed for any specific time or date. If RJ Lee Group agrees in writing, as signed by a duly authorized representative of the Company, to process customer's order by a certain date or in accordance with a certain schedule, RJ Lee Group shall make reasonable efforts to comply with such dates or schedules.

7. **FORCE MAJEURE.** RJ Lee Group shall not be liable for any delay in performance, or for non-performance, in whole or in part caused by the occurrence of any contingency beyond the reasonable control of RJ Lee Group including but not limited to fires, floods, labor troubles, strikes, breakdowns, regulation order or requirement of any government, war (whether an official declaration thereof is made or not), failure of delay in transportation, act of any government or any agency or subdivision thereof affecting the terms of the contract or otherwise, judicial action, accident, explosion, storm or other act of God. Any such delays shall excuse RJ Lee Group from performance, and RJ Lee Group's time for performance shall be extended for the period of the delays and for a reasonable period thereafter.

8. **SUBCONTRACTING.** In the event of unforeseen circumstances, such as workload, need for further expertise, or for the reasons described above (force majeure), RJ Lee Group may request to subcontract work. The customer will be immediately advised of the request and work will not commence until consent is received from the customer, preferably in writing.

9. **OTHER PROVISIONS CONCERNING SAMPLES AND REPORTS.** Packaging and Labeling - Customer shall mark, package and protect all samples sent to RJ Lee Group. Suitability for Analysis - It is the responsibility of the Customer to ensure that samples are correctly taken, labeled, and packaged. Samples must be accompanied with a Chain-of-Custody form along with any potential hazardous warnings, including appropriate MSDS sheets. RJ Lee Group reserves the right to refuse samples for analysis which are obviously unsuitable due to damage, incorrect or insufficient labeling, incorrect sample loading, or that may be deemed to be considered hazardous to RJ Lee Group personnel. RJ Lee Group will notify the customer as reasonably soon as such a problem is identified and will discuss with the Customer the course of action to be taken. Detection Levels - Certain samples may present chemical or physical interference which could cause deviations of detection levels set forth by regulatory organizations and methods.

10. **USE OF SAMPLES AFTER TESTING.** RJ Lee Group shall not be obligated to keep prepared samples or any remaining portions of samples for more than thirty (30) days after completion of the requested analyses unless a prior written agreement has been made between RJ Lee Group and the Customer. After expiration of this thirty (30) day period, RJ Lee Group may either: return the sample to the customer, or dispose of the sample (shipping and handling fees or disposal fees may apply). If

prior to expiration of the thirty (30) day period, the customer requests that RJ Lee Group place the sample in storage or return the sample to the Customer, RJ Lee Group reserves the right to charge a special handling or storage fee.

11. **REPORTS.** Where RJ Lee Group's contract so stipulates, RJ Lee Group shall provide to Customer a written report(s) of the results of the testing and other services performed on Customer's behalf. The extent, nature, form and content of the report shall be determined by RJ Lee Group, at its sole discretion, unless RJ Lee Group and Customer agree to the contrary in writing signed by an officer of RJ Lee Group. RJ Lee Group assumes no responsibility for the manner in which samples are obtained or the effect that the method of obtaining such samples might have on the results of the tests performed by RJ Lee Group, or the Customer's use or interpretation of the test results and reports provided to it by RJ Lee Group. When requested by Customer, RJ Lee Group will report preliminary test results by telephone, facsimile, and/or email. Any turnaround time requested by customer shall be considered to be satisfied with such contact. All such preliminary results are provisional and subject to confirmations. The Customer shall specify the recipient of the preliminary report, by telephone or facsimile number or email address to which the report shall be submitted, and will designate an alternate recipient in the event the primary recipient cannot be reached. RJ Lee Group will use its best efforts to contact the designated recipient(s), but is not responsible for delays resulting from the failure of the recipient(s) to respond to inquiries. RJ Lee Group retains records of laboratory analysis for the period of time required by the appropriate accrediting body, according to contract requirements, or as per client specific requests. We reserve the right to assess record retention fees for those records that, at the client's request, are retained beyond accreditation or contract requirements. In the event a Customer requests additional copies of archived reports, RJ Lee Group reserves the right to charge a fee for the retrieval and issuance of such documents.

12. **WARRANTIES.** Customer is solely responsible for the use and the interpretation of RJ Lee Group's reports and test results. RJ Lee Group has no duty or obligation to provide services that it has not expressly agreed in writing to provide. The foregoing express warranties of RJ Lee Group are in lieu of all other warranties, express, implied or statutory, including but not limited to, any implied warranty of merchantability or fitness for particular purpose, and in lieu of any other warranty obligation on the part of RJ Lee Group.

13. **LIMITATIONS OF REMEDIES AND DAMAGES** (a) RJ Lee Group is solely responsible for the performance of this contract, and no parent, subsidiary or affiliated company, or any of its directors, officers, employees, agents or subcontractors shall have any legal responsibility hereunder, whether in contract or tort, including negligence.

(b) The sole and exclusive remedy of Customer, and responsibility of RJ Lee Group for any breach of warranty or other breach of contract, or any claim of negligence, shall be at RJ Lee Group's sole option (i) to repair or replace any defective product, (ii) to correct any defective performance, (iii) to retest the same or a replacement sample without costs, (iv) to refund any amounts paid by Customer for the defective sample product or other service or (v) to refund any sample priority price differential if a sample is not processed within the time requested by Customer.

(c) In no event, shall RJ Lee Group be liable to anyone, whether in contract, strict liability, or tort, including the negligence of RJ Lee Group or its employees, agents or representatives, for any incidental, consequential, special or indirect damages of any kind or charter, under or arising out of any contract between the parties.

(d) RJ Lee Group's maximum liability under or arising out of this contract shall be the contract price of any services improperly performed. Liability for injury or damage to persons or property arising out of this work shall be limited to the amount covered by the general comprehensive liability insurance carried by RJ Lee Group.

14. **WAIVER.** In the event of any default or breach of contract (or anticipatory breach) by Customer, RJ Lee Group has the right to refuse to provide any additional services to Customer. RJ Lee Group's failure to enforce at any time or for any period of time any of the provisions of this contract shall not constitute a waiver of such provisions or the right of RJ Lee Group to enforce each and every provision.

15. **AMENDMENTS.** No addition or amendment to, or modification of, any printed provision of these Terms and Conditions of sale will be binding upon RJ Lee Group unless made in writing and signed by an officer of RJ Lee Group. Except to the extent expressly provided herein, no course of dealing, usage of trade, or course of performance will be deemed relevant to explain or supplement any provision of these Terms and Conditions of sale.

16. **PERIOD OF LIMITATION OF ACTION.** No action shall be brought against RJ Lee Group for any breach of this contract after a period of more than one (1) year after the performance of work by RJ Lee Group.

17. **GOVERNING LAW.** The validity, construction and performance of this contract and the transactions to which it relates shall be governed by the laws of the Commonwealth of Pennsylvania. All actions, claims or legal proceedings, in any way pertaining to this contract or such transaction, shall be commenced and maintained in the courts of such Commonwealth or in the United States District Court for the Western District of Pennsylvania and in no other court or tribunal whatsoever, and the parties hereto each agree to submit themselves to the jurisdiction and venue of such courts.

18. **LIMITATION OF USE AND DISSEMINATION.** Test results and reports prepared by RJ Lee Group are prepared and intended solely and exclusively for the person or entity named on such test results or report and are therefore not to be used or relied on by any other person or entity.

## CONTACT

CONNECT WITH AN EXPERT

1.800.860.1775 | WWW.RJLG.COM

