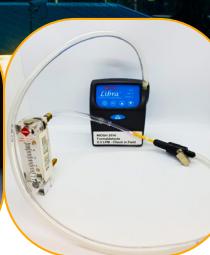




EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING



INDUSTRIAL HYGIENE LAB SERVICES GUIDE



EMSL CANADA, INC.
LABORATORY • PRODUCTS • TRAINING



ABOUT EMSL ANALYTICAL, INC.

As the nation's leading environmental testing firm, **EMSL Analytical, Inc.** has been providing quality analytical services since 1981. We offer a wide array of analytical testing services to support environmental investigations focused on asbestos, microbiology, lead paint, environmental chemistry, indoor air quality, industrial hygiene and food testing. Additionally, we also provide materials testing, characterization, and forensic laboratory services for a wide range of commercial, industrial, regulatory, and law enforcement clients. Our unmatched capacity coupled with a company-wide focus on customer satisfaction makes no project too large or too small. Our corporate research and development capabilities allow us to bring new methodologies on line quickly to meet new industry challenges and client needs. In recruiting and retaining talented and motivated scientists on a national scope, our expertise is marshaled throughout a nationwide network of analytical laboratories. We are committed to providing reliable, defensible data in a standardized and user-friendly format. Rapid turnaround and competitive prices make the dependable results you get that much more valuable.

At EMSL, we're much more than another testing laboratory. We are your project partner!

Overview of EMSL Service Divisions



Asbestos

Asbestos analysis of air, water, bulk, soil and/or dust sample via various methodologies including NIOSH, EPA, OSHA, ASTM, etc., and utilizing PCM, PLM, TEM, SEM, XRD, and STEM.



Radiochemistry

Analysis of various matrices including food, water, soil, vegetation, and other unique sample types for radioactivity. We also possess a liberal radioactive materials license able to handle most environmental radioactive needs when submitting samples for analysis.



Lead and Metals

Testing services include Flame AA, Graphite Furnace, and ICP. We test for lead in paint chips, soil, wipes, drinking water, waste water, and air.



Air Toxics

Testing services for VOCs in air, water and soil, and consumer products. We also provide chamber studies for consumer product off-gassing analyses to understand what products are emitting and comply with regulations.



Microbiology

Testing Services include the analysis of fungi (mold), bacteria (*Legionella*, *E. coli*, *Salmonella*, *Listeria*, etc), mycotoxins, endotoxins, allergens, pollen, and particulates in air, swab, water, soil, bulk, dust, wipe, food, and consumer products.



Pharmaceutical

Through MPL Laboratories, we offer microbiology testing services for the pharmaceutical, medical device, cosmetic, personal care, and food industries. We are ISO/IEC 17025 accredited by PJLA, FDA and DEA registered, and NJDEP certified.



Industrial Hygiene

Testing Services for air, wipe, and bulk matrices on an extensive list of NIOSH, OSHA, ASTM, and EPA methods.



PCR-DNA

DNA and PCR laboratory services include bacteria, ERMI, fungi, and mold. for scientific, ecological, research, biological, microbiological, environmental, food, and botanical professionals.



Environmental Chemistry

Instrumental and classical wet chemistry, ICP spectroscopy, microscopy, SEM and EDS analysis, FTIR analysis and more.



Training

EMSL offers an array of training, including on-line educational courses on our various Laboratory services, sampling videos, and in-person training.



Materials Science

Provides materials testing, characterization, and forensic laboratory services to help commercial, industrial, regulatory, and law enforcement clients develop solutions to challenges in manufacturing, quality assurance, and research and development.



Products

EMSL offers environmental products, equipment, and supplies for the field, to support each of our company divisions.



Food

Food laboratory capabilities include: microbiology analysis, nutritional analysis, various food chemistry analysis, allergens, toxins, and adulteration analysis.



Legal Services

EMSL employ highly qualified and experienced chemists, geologists, physicists, mycologists, microbiologists, biologists, materials scientists, and industrial hygienists; available as-needed for Legal support and Expert Witness.

EMSL DIAMOND STANDARD

Our diverse staff of over 1,000 employees possess a wide range of expertise, educational background, and capabilities. These dedicated employees follow the lead and standard of care demonstrated by the owner and founder of the company, Dr. Peter Frasca, who, as a hands-on owner maintains daily involvement in our laboratory operations, and assures our work is consistent with his *EMSL Diamond Standard*. This "Diamond Standard" includes the following:

- ◆ **Quality Data** – Track, manage, report, and verify that the data from all our accredited testing services are accurate and reliable through quality programs and regulatory requirements.
- ◆ **Customer Dedication** – We strive to create lasting, mutually beneficial relationships with all clients. We solicit feedback from our clients and we are committed to responding quickly to any questions or concerns that may arise before, during, or after an assignment.
- ◆ **Analytical Expertise** – We employ highly qualified and experienced chemists, geologists, physicists, mycologists, microbiologists, biologists, materials scientists, and industrial hygienists to enhance our analytical abilities and expertise.
- ◆ **Integrity and Ethics** – We insist that our employees uphold the highest standard of ethics. We maintain a "no-compromise" policy as it pertains to any ethical issue.
- ◆ **Responsiveness** – We recognize that the timeliness of a report is as important as the quality of the data. We will not however, allow deadlines or the rush needs of a project to adversely impact our quality objectives.
- ◆ **Technology** – We recognize the importance of new technology to better enable us to provide improved services. Online access to your data, customized reports, sample control/processing through our Laboratory Information Management System (LIMS), and analytical instrumentation are continuously upgraded to enable continuous improvement of our services and capabilities.
- ◆ **Value** – We believe that a business relationship with EMSL provides you with an excellent value. We provide you with a complete value package that includes all the components of the *EMSL Diamond Standard*.

LOCALLY FOCUSED, NATIONALLY RECOGNIZED

Unmatched capacity from our collective strength of nationwide locations.

United States and Canada Locations



EMSL Analytical, Inc. has been fortunate to be able to maintain a solid history of stable growth and viability for over 40 years with a current network consisting of 46 laboratories and 2 service centers.

See the laboratory locations listing on page two.



*Corporate Headquarters for EMSL
Analytical, Inc. and LA Testing,
Cinnaminson, NJ USA*

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INDUSTRIAL HYGIENE TESTING



EMSL Analytical, Inc. provides Industrial Hygiene (IH) Laboratory Services for air, wipe, and bulk matrices on an extensive list of NIOSH, OSHA, ASTM, and EPA test methods, boasting five IH laboratory location within North America: EMSL's Corporate Laboratory in Cinnaminson, NJ; Indianapolis, IN; Charlotte, NC; Huntington Beach, CA (LA Testing); and our Canadian location in Toronto, ON.

Our team of qualified and experienced professionals include board-certified Industrial Hygienists (CIH), as well as highly trained project managers and analysts that welcome client interaction at project inception to ensure the laboratory data will meet all of the intended goals of the event, as well as communication during and after the event, as well as while samples are in-house. We believe clear and concise communication is imperative to each project's success.

EMSL maintains AIHA accreditation for tests performed by the IH laboratories, which includes on-site laboratory audits, formal document review program, staff experience and education criteria, and Proficiency Testing Program as part of the Accreditation process. Additionally, as required by various states, EMSL IH laboratories hold most applicable state certifications for fields of testing for air samples. Regarding media and pumps, EMSL offers a "free IH sampling pump program" for clients, provided the analysis is performed by one of our IH laboratories. We also offer an extensive list of products and media for sale, including: pumps, badges, field equipment/monitors, etc., all of which can be viewed via our website.

EMSL has state of the art equipment within each of our five IH laboratory locations, including: GC-ECD/GC-FID/GC-MS, LC, MS, MS/HPLC/LC/MS/IC/XRD/UV-VIS/ICP-AES/OES/ICP-MS, etc. The analysis and reporting of each individual sample includes analysis of Quality Control (QC) samples, programs such as Instrument QC controls, calibration standard checks, spiked media, and reporting limit controls; all to ensure the confidence limits of the data are within the acceptable range as specified by the method requirements and our Quality Control Program.

Our labs maintain normal business day operational hours with weekend scheduling availability as needed for critical response situations. Samples are received during regular business hours and turnaround times (TATs) are tracked on business days. Laboratory TATs are offered for same day or next day, as well as for 2 day, 3 day, 4 day, 1 week, and 2 week Standard TATs. Costs/rates are based on the TAT requested with our 2 week TAT rates being the most economically cost-effective for our customers.

Sample control/processing (log-in, results data-entry, reporting) is facilitated by our Laboratory Information Management System (LIMS) which tracks the sample job (batch) and provides the laboratory with work log (due dates) to help ensure all the work is organized and processed in accordance with the client's needs. Additionally, the LIMS includes security controls to ensure that information is controlled (locked) once the data has been documented and entered by the bench chemists. Reports are delivered at the choice of the customer which would include email, hard-copy regular mail, or both. Additionally, EMSL can provide Electronic Data Deliverables (EDD) as well as various QC Data Packages if required.

Key tests include (but are not limited to) the following:*

NIOSH	OSHA	Other Methods
• NIOSH 0500	• NIOSH 1604	• 40CFR50, Appendix B
• NIOSH 0600	• NIOSH 1606M	• 40CFR50, Appendix J
• NIOSH 1003M	• NIOSH 1610	• 40CFR50, Appendix L
• NIOSH 1005M	• NIOSH 1612	• AssayTech LP 575
• NIOSH 1007	• NIOSH 1615	• ASTM D5504
• NIOSH 1013	• NIOSH 1616	• EPA IP-10A
• NIOSH 1019	• NIOSH 2000M	• EMSL In-House Methods
• NIOSH 1024	• NIOSH 2016M	
• NIOSH 1300	• NIOSH 2500M	
• NIOSH 1301	• NIOSH 2532	
• NIOSH 1400M	• NIOSH 2537	
• NIOSH 1401	• NIOSH 2546M	
• NIOSH 1402	• NIOSH 2551M	
• NIOSH 1403	• NIOSH 3500	
• NIOSH 1405	• NIOSH 5008M	
• NIOSH 1450	• NIOSH 5026	
• NIOSH 1453	• NIOSH 5040	
• NIOSH 1457	• NIOSH 5041	
• NIOSH 1500M	• NIOSH 5042M	
• NIOSH 1501M	• NIOSH 5503M	
• NIOSH 1550M	• NIOSH 5506M	
• NIOSH 1552	• NIOSH 5510M	
• NIOSH 1603M	• NIOSH 5523	
	• NIOSH 5524	
	• NIOSH 5600	• OSHA ID-145
	• NIOSH 5601M	• OSHA ID-165SG
	• NIOSH 6004M	• OSHA ID-182
	• NIOSH 6009M	• OSHA ID-188M
	• NIOSH 6010M	• OSHA ID-190
	• NIOSH 6011	• OSHA ID-214
	• NIOSH 6013	• OSHA ID-215 V2
	• NIOSH 6014	• OSHA PV2061
	• NIOSH 6016	• OSHA PV2111
	• NIOSH 7082	• OSHA PV2119
	• NIOSH 7401	• OSHA 104
	• NIOSH 7500	• OSHA 109
	• NIOSH 7501	• OSHA 1007
	• NIOSH 7600	• OSHA 1008
	• NIOSH 7602	• OSHA 1010 V2
	• NIOSH 7903	• OSHA 1014
	• NIOSH 7903M	• OSHA 1018
	• NIOSH 7906	• OSHA 1019
	• NIOSH 7907	• OSHA 103M
	• NIOSH 7908	• OSHA 5001
	• NIOSH 7908M	• OSHA CSI
	• NIOSH 7908M	• OSHA 42/47M
	• NIOSH 9111M	• OSHA ID-113
	• NIOSH 9111M	• OSHA ID-140

If you are looking for a method that is not listed, please contact us immediately to confirm if we can perform. Our list of services is being expanded regularly.



* This is a summary of key tests, call for a full list of tests offered and for pricing. See Laboratory locations for laboratories that have IH Testing capabilities.



CAS Number	Test Type	Test Prefix	Test	Method	Matrix	Synonym(s)	Group Package	EMSL Test Code	OSHA PEL or Other Value mg/m3	Sampling Instructions / Interferences	Reporting Limit ug/sample	Default Reporting Units	EMSL Pump Kit ID	Default Flow Rate (lpm)	Volume (L)	EMSL Collection Media 1 Shopping Cart ID	EMSL Collection Media 2 Shopping Card ID	Collection Media 3 EMSL Product ID	Collection Media 4 EMSL Product ID
83-32-9	Single		Acenaphthene	NIOSH 5506M	Air (Cassette + Tube)	1,2-Dihydroacenaphthylene	PAH - Full List	IH-Acenaphthene-NIOSH 5506-IH6022	0.2	Protect from light and heat. Wrap in foil, ship refrigerated (0C).	0.63	ug	87IH012	2	200	87IH043			
208-96-8	Single		Acenaphthylene	NIOSH 5506M	Air (Cassette + Tube)	Acenaphthalene	PAH - Full List	IH-Acenaphthylene-NIOSH 5506-IH6021	0.2	Protect from light and heat. Wrap in foil, ship refrigerated (0C).	0.63	ug	87IH012	2	200	87IH043			
75-07-0	Single		Acetaldehyde	NIOSH 2016M	Tubes	Acetic Aldehyde; Ethyl Aldehyde	Aldehyde Profile	IH2017 - acetaldehyde	360	Protect from heat. Store in freezer, ship cold (5C).	0.05	ug	87IH006	0.3	15	87IH030			
75-07-0	Single		Acetaldehyde	NIOSH 2016M	Badge	Acetic Aldehyde; Ethyl Aldehyde	Aldehyde Profile	IH2017 - acetaldehyde	360	Protect from heat. Store in freezer, ship cold (5C).	0.05	ug	N/A	N/A	N/A	87IH034	87IH215	87IH151	
64-19-7	Single		Acetic Acid	OSHA PV2119	Tubes	Ethanoic Acid		IH-Acetic Acid-OSHA PV2119M-IH6085	25	Routine	10.00	ug	87IH005	0.20	10	87IH028			
64-19-7	Single		Acetic Acid	OSHA PV2119	Badge	Ethanoic Acid		IH-Acetic Acid-OSHA PV2119M-IH6085	25	Routine	10.00	ug	N/A	N/A	N/A	87IH069	87IH070		
64-19-7	Single		Acetic Acid	NIOSH 1603M	Tubes	Ethanoic Acid		IH-1603 Acetic Acid	25	Routine	10.00	ug	87IH005	0.50	10	87IH028			
64-19-7	Single		Acetic Acid	NIOSH 1603M	Badge	Ethanoic Acid		IH-1603 Acetic Acid	25	Routine	10.00	ug	N/A	N/A	N/A	87IH069	87IH070		
67-64-1	Single		Acetone	NIOSH 1300	Tubes	Dimethyl Ketone		IH1300 - Acetone	2375	Interferences: None identified	7.80	ug	87IH005	0.1	1	87IH028			
67-64-1	Single		Acetone	NIOSH 1300	Badge	Dimethyl Ketone		IH1300 - Acetone	2375	Interferences: None identified	7.80	ug	N/A	N/A	N/A	87IH069	87IH070	87IH174	
67-64-1	Single		Acetone	EMSL In-House Method; SOP VOCs by GC	Tubes	Dimethyl Ketone		IH-Acetone-EMSL InHouse Method-IH7000	2375	Routine	38.50	ug	87IH005	0.50	1	87IH028	87IH177		
67-64-1	Single		Acetone	EMSL In-House Method; SOP VOCs by GC	Badge	Dimethyl Ketone		IH-Acetone-EMSL InHouse Method-IH7000	2375	Routine	35.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH174	
75-05-8	Single		Acetonitrile	EMSL In-House Method; SOP VOCs by GC	Tubes	Methyl Cyanide; Cyanomethane		IH-Acetonitrile-EMSL InHouse Method-IH7001	67	Protect from heat. Store in freezer, ship cold (5C).	3.44	ug	87IH005	0.050	1	87IH028			
75-05-8	Single		Acetonitrile	EMSL In-House Method; SOP VOCs by GC	Badge	Methyl Cyanide; Cyanomethane		IH-Acetonitrile-EMSL InHouse Method-IH7001	67	Protect from heat. Store in freezer, ship cold (5C).	7.69	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
75-05-8	Single		Acetonitrile	NIOSH 1606M	Tubes	Methyl Cyanide; Cyanomethane		IH1606 - Acetonitrile	67	Protect from heat. Store in freezer, ship cold (5C).	7.90	ug	87IH005	0.050	1	87IH039			
75-05-8	Single		Acetonitrile	NIOSH 1606M	Badge	Methyl Cyanide; Cyanomethane		IH1606 - Acetonitrile	67	Protect from heat. Store in freezer, ship cold (5C).	7.90	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
107-02-8	Single		Acrolein	NIOSH 2016M	Tubes	Acrylaldehyde	Aldehyde Profile	IH2018 - Acrolein	0.24	Protect from heat. Store in freezer, ship cold (5C).	0.05	ug	87IH006	0.3	1	87IH030			
107-02-8	Single		Acrolein	NIOSH 2016M	Badge	Acrylaldehyde	Aldehyde Profile	IH2018 - Acrolein	0.24	Protect from heat. Store in freezer, ship cold (5C).	0.05	ug	N/A	N/A	N/A	87IH034	87IH215	87IH151	
107-13-1	Single		Acrylonitrile	EMSL In-House Method; SOP VOCs by GC	Tubes	2-Propenenitrile		IH-Acrylonitrile-EMSL InHouse Method-IH7002	4.5	Routine	3.00	ug	87IH005	0.2	1	87IH028			
107-13-1	Single		Acrylonitrile	EMSL In-House Method; SOP VOCs by GC	Badge	2-Propenenitrile		IH-Acrylonitrile-EMSL InHouse Method-IH7002	4.5	Routine	3.78	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
107-13-1	Single		Acrylonitrile	NIOSH 1604	Tubes	2-Propenenitrile		IH1604 - Acrylonitrile	4.5	Routine	8.00	ug	87IH005	0.2	1	87IH028			



CAS Number	Test Type	Test Prefix	Test	Method	Matrix	Synonym(s)	Group Package	EMSL Test Code	OSHA PEL or Other Value mg/m3	Sampling Instructions / Interferences	Reporting Limit ug/sample	Default Reporting Units	EMSL Pump Kit ID	Default Flow Rate (lpm)	Volume (L)	EMSL Collection Media 1 Shopping Cart ID	EMSL Collection Media 2 Shopping Cart ID	Collection Media 3 EMSL Product ID	Collection Media 4 EMSL Product ID
107-13-1	Single		Acrylonitrile	NIOSH 1604	Badge	2-Propenonitrile		IH1604 - Acrylonitrile	4.5	Routine	8.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH192	
1310-73-2	Single		Alkaline Dust	NIOSH 7401	Cassettes	Sodium Hydroxide; Caustic; Potassium Hydroxide		IH7401 - Alkaline Dust	2	Routine	100.00	ug	87IH691	2.0	100	87IH035			
107-18-6	Single		Allyl Alcohol	EMSL In-House Method; SOP VOCs by GC	Tubes	2-Propen-1-ol		IH-Allyl Alcohol-EMSL InHouse Method-IH7003	4.8	Routine	3.00	ug	87IH005	0.2	5	87IH028			
107-18-6	Single		Allyl Alcohol	EMSL In-House Method; SOP VOCs by GC	Badge	2-Propen-1-ol		IH-Allyl Alcohol-EMSL InHouse Method-IH7003	4.8	Routine	54.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
107-18-6	Single		Allyl Alcohol	NIOSH 1405	Tubes	2-Propen-1-ol		IH-Allyl Alcohol-NIOSH 1405-IH6124	4.8	Routine Interferences: None identified	8.50	ug	87IH005	0.2	5	87IH028			
107-18-6	Single		Allyl Alcohol	NIOSH 1405	Badge	2-Propen-1-ol		IH-Allyl Alcohol-NIOSH 1405-IH6124	4.8	Routine Interferences: None identified	8.50	ug	N/A	N/A	N/A	87IH069	87IH070	87IH174	87IH192
7429-90-5	Single		Aluminum (Al)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A		C-Metals by ICP	15	Routine	5.00	ug	87IH010	2.0	100	8715200	8715315		
7429-90-5	Single		Aluminum (Al)	NIOSH 7300M / NIOSH 7303M – ICP/MS	Cassettes	N/A		C-Metals by ICP-MS	15	Routine	1.00	ug	87IH010	2.0	100	8715200	8715315		
7664-41-7	Single		Ammonia	OSHA ID-188M	Tubes	N/A		IH-Ammonia-OSHA ID188-IH6083	35	Protect from heat. Store in freezer, ship cold (SC). Interferences - amines.	9.50	ug	87IH268	0.10	1	87IH170			
7664-41-7	Single		Ammonia	OSHA ID-188M	Badge	N/A		IH-Ammonia-OSHA ID188-IH6083	35	Protect from heat. Store in freezer, ship cold (SC). Interferences - amines.	9.50	ug	N/A	N/A	N/A				
7664-41-7	Single		Ammonia	NIOSH 6016	Tubes	N/A		IH-6016IC Ammonia by IC	35	Protect from heat. Store in freezer, ship cold (SC). Interferences - amines.	9.50	ug	87IH263	0.20	1	87IH086			
7664-41-7	Single		Ammonia	NIOSH 6016	Badge	N/A		IH-6016IC Ammonia by IC	35	Protect from heat. Store in freezer, ship cold (SC). Interferences - amines.	9.50	ug	N/A	N/A	N/A	87IH502			
628-63-7	Single	n-	Amyl Acetate	EMSL In-House Method; SOP VOCs by GC	Tubes	Amyl Acetate; Pentyl Acetate		IH-n-Amyl Acetate-EMSL InHouse Method-IH7004	266	Protect from heat, ship cold (SC).	3.00	ug	87IH005	0.2	3	87IH028			
628-63-7	Single	n-	Amyl Acetate	EMSL In-House Method; SOP VOCs by GC	Badge	Amyl Acetate; Pentyl Acetate		IH-n-Amyl Acetate-EMSL InHouse Method-IH7004	266	Protect from heat, ship cold (SC).	2.99	ug	N/A	N/A	3	87IH069	87IH070	87IH177	
628-63-7	Single	n-	Amyl Acetate	NIOSH 1450	Tubes	Amyl Acetate; Pentyl Acetate		IH-n-Amyl Acetate-NIOSH 1450-IH6072	266	Protect from heat, ship cold (SC). Interferences: None identified	8.80	ug	87IH005	0.2	3	87IH028			
628-63-7	Single	n-	Amyl Acetate	NIOSH 1450	Badge	Amyl Acetate; Pentyl Acetate		IH-n-Amyl Acetate-NIOSH 1450-IH6072	266	Protect from heat, ship cold (SC). Interferences: None identified	8.80	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
71-41-0	Single	n-	Amyl Alcohol	EMSL In-House Method; SOP VOCs by GC	Tubes	Amyl Alcohol; 1-Pentanol		IH-n-Amyl Alcohol-EMSL In House Method-IH7005	Not Established	Routine	3.00	ug	87IH005	0.2	3	87IH028			



CAS Number	Test Type	Test Prefix	Test	Method	Matrix	Synonym(s)	Group Package	EMSL Test Code	OSHA PEL or Other Value mg/m3	Sampling Instructions / Interferences	Reporting Limit ug/sample	Default Reporting Units	EMSL Pump Kit ID	Default Flow Rate (lpm)	Volume (L)	EMSL Collection Media 1 Shopping Cart ID	EMSL Collection Media 2 Shopping Card ID	Collection Media 3 EMSL Product ID	Collection Media 4 EMSL Product ID
71-41-0	Single	n-	Amyl Alcohol	EMSL In-House Method; SOP VOCs by GC	Badge	Amyl Alcohol; 1-Pentanol		IH-n-Amyl Alcohol-EMSL In House Method-IH7005	Not Established	Routine	3.86	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
120-12-7	Single		Anthracene	NIOSH 5506M	Air (Cassette + Tube)	Paranaphthalene	Coal Tar Pitch Volatiles; PAH - Full List	IH-Anthracene-NIOSH 5506-IH6023	0.2	Protect from light and heat. Wrap in foil, ship refrigerated (0C).	0.63	ug	87IH012	2	200	87IH043			
7440-36-0	Single		Antimony (Sb)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A	CAM 16; CAM 17; Solder Fume; Welding Fume; Priority Pollutant	C-Metals by ICP	0.5	Routine	0.50	ug	87IH010	2.0	100	8715200	8715315		
7440-36-0	Single		Antimony (Sb)	NIOSH 7300M / NIOSH 7303M – ICP/MS	Cassettes	N/A	CAM 16; CAM 17; Solder Fume; Welding Fume; Priority Pollutant	C-Metals by ICP-MS	0.5	Routine	1.00	ug	87IH010	2.0	100	8715200	8715315		
7440-36-0	Single		Antimony (Sb)	EPA 6010D	Wipe	N/A	CAM 16; CAM 17; Solder Fume; Welding Fume; Priority Pollutant	C-Metals by ICP	None for surfaces	Routine	1.00	ug	N/A	N/A	N/A	8708100			
64742-95-6	Single		Aromatic 100	EMSL In-House Method; SOP VOCs by GC	Tubes	Solvent Naphtha (Petroleum), Light Aromatic		IH-Aromatic 100-EMSL AnHouse Method-IH7006	123	Routine	14.60	ug	87IH005	0.20	1	87IH028			
64742-95-6	Single		Aromatic 100	EMSL In-House Method; SOP VOCs by GC	Badge	Solvent Naphtha (Petroleum), Light Aromatic		IH-Aromatic 100-EMSL AnHouse Method-IH7006	123	Routine	14.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
7440-38-2	Single		Arsenic (As)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A	CAM 16; CAM 17; Priority Pollutant; RCRA	C-Metals by ICP	0.5	Routine	1.00	ug	87IH010	2.0	100	8715200	8715315		
7440-38-2	Single		Arsenic (As)	NIOSH 7300M / NIOSH 7303M – ICP/MS	Cassettes	N/A	CAM 16; CAM 17; Priority Pollutant; RCRA	C-Metals by ICP-MS	0.5	Routine	0.05	ug	87IH010	2.0	100	8715200	8715315		
7440-38-2	Single		Arsenic (As)	EPA 6010D	Wipe	N/A	CAM 16; CAM 17; Priority Pollutant; RCRA	C-Metals by ICP	None for surfaces	Routine	1.00	ug	N/A	N/A	N/A	8708100			
8052-42-4	Single		Asphalt Fumes (Particulate / Benzene Soluble Fraction)	NIOSH 5042M	Cassettes	N/A		IH5042 - ASPH FUME (Part/BSF)	5	Protect from light and heat. Wrap in foil, ship refrigerated (0C).	50/150	ug	87IH693	2.0	100	87IH037			
7440-39-3	Single		Barium (Ba)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A	CAM 16; CAM 17; RCRA	C-Metals by ICP	15	Routine	5.00	ug	87IH010	2.0	100	8715200	8715315		
7440-39-3	Single		Barium (Ba)	NIOSH 7300M / NIOSH 7303M – ICP/MS	Cassettes	N/A	CAM 16; CAM 17; RCRA	C-Metals by ICP-MS	15	Routine	0.50	ug	87IH010	2.0	100	8715200	8715315		
7440-39-3	Single		Barium (Ba)	EPA 6010D	Wipe	N/A	CAM 16; CAM 17; RCRA	C-Metals by ICP	None for surfaces	Routine	5.00	ug/wipe	N/A	N/A	N/A	8708100			
7440-39-3	Single		Barium (Soluble/Insoluble as Ba, not sulfate)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A		C-Metals by ICP	0.5	Routine	5.00	ug	87IH010	2.0	100	8715200	8715315		
7440-39-3	Single		Barium (Soluble/Insoluble as Ba, not sulfate)	NIOSH 7300M / NIOSH 7303M – ICP/MS	Cassettes	N/A		C-Metals by ICP-MS	0.5	Routine	0.50	ug	87IH010	2.0	100	8715200	8715315		
7440-39-3	Single		Barium (Soluble/Insoluble as Ba, not sulfate)	EPA 6010D	Wipe	N/A		C-Metals by ICP	None for surfaces	Routine	5.00	ug/wipe	N/A	N/A	N/A	8708100			

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56-55-3	Single		Benz(a)anthracene	NIOSH 5506M	Air (Cassette + Tube)	Tetraphene; 1,2-Benanzthracene; Benzanthrene	PAH - Full List	IH-Benz(a)anthracene-NIOSH 5506-IH6024	0.2	Protect from light and heat. Wrap in foil, ship refrigerated (0C).	0.31	ug	87IH012	2	200	87IH043			
100-52-7	Single		Benzaldehyde	NIOSH 2016M	Tubes	Benzoic aldehyde; Benzenecarbonal	Aldehyde Profile	IH2020 - Benzaldehyde	17.36	Protect from heat. Store in freezer, ship cold (5C).	0.05	ug	87IH006	0.3	1	87IH030			
100-52-7	Single		Benzaldehyde	NIOSH 2016M	Badge	Benzoic aldehyde; Benzenecarbonal	Aldehyde Profile	IH2020 - Benzaldehyde	17.36	Protect from heat. Store in freezer, ship cold (5C).	0.05	ug	N/A	N/A	N/A	87IH034	87IH215	87IH151	
71-43-2	Single		Benzene	NIOSH 1501M	Tubes	Benzol; Cylohexatriene	BTEX Profile; Hydrocarbon, Aromatic Profile; Organic Scan Profile	IH1500 - Benzene	3.19	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	2.20	ug	87IH005	0.20	8	87IH028			
71-43-2	Single		Benzene	NIOSH 1501M	Badge	Benzol; Cylohexatriene	BTEX Profile; Hydrocarbon, Aromatic Profile; Organic Scan Profile	IH1500 - Benzene	3.19	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	2.20	ug	N/A	N/A	N/A	87IH069	87IH070	87IH192	
71-43-2	Single		Benzene	EMSL In-House Method; SOP VOCs by GC	Tubes	Benzol; Cylohexatriene		IH-Benzene-EMSL InHouse Method-IH7007	3.19	Routine	1.49	ug	87IH005	0.20	8	87IH028			
71-43-2	Single		Benzene	EMSL In-House Method; SOP VOCs by GC	Badge	Benzol; Cylohexatriene		IH-Benzene-EMSL InHouse Method-IH7007	3.19	Routine	1.49	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
50-32-8	Single		Benzo(a)pyrene	NIOSH 5506M	Air (Cassette + Tube)	3,4-Benzopyrene	PAH- Coal Tar Pitch Volatiles	IH-Benzo(a)pyrene-NIOSH 5506-IH6025	0.2	Protect from light and heat. Wrap in foil, ship refrigerated (0C).	0.31	ug	87IH012	2	200	87IH043			
205-99-2	Single		Benzo(b)fluoranthene	NIOSH 5506M	Air (Cassette + Tube)	3,4-Benzfluoranthene	PAH - Full List	IH-Benzo(b)fluoranthene-NIOSH 5506-IH6026	0.2	Protect from light and heat. Wrap in foil, ship refrigerated (0C).	0.31	ug	87IH012	2	200	87IH043			
192-97-2	Single		Benzo(e)pyrene	NIOSH 5506M	Air (Cassette + Tube)	4,5-Benzopyrene	PAH - Full List	IH-Benzo(e)pyrene-NIOSH 5506-IH6027	0.2	Protect from light and heat. Wrap in foil, ship refrigerated (0C).	0.31	ug	87IH012	2	200	87IH043			
191-24-2	Single		Benzo(g,h,i)perylene	NIOSH 5506M	Air (Cassette + Tube)	1,12-Benzoperylene	PAH - Full List	IH-Benzo(g,h,i)perylene-NIOSH 5506-IH6028	0.2	Protect from light and heat. Wrap in foil, ship refrigerated (0C).	0.31	ug	87IH012	2	200	87IH043			
207-08-9	Single		Benzo(k)fluoranthene	NIOSH 5506M	Air (Cassette + Tube)	11,12-Benzofluoranthene	PAH - Full List	IH-Benzo(k)fluoranthene-NIOSH 5506-IH6029	0.2	Protect from light and heat. Wrap in foil, ship refrigerated (0C).	0.31	ug	87IH012	2	200	87IH043			
100-51-6	Single		Benzyl Alcohol	NIOSH 2546M	Tubes	benzenecarbinol; benzenemethanol; benzoyl alcohol; phenylcarbinol; phenylmethanol; α-hydroxytoluene		IH-Benzyl Alcohol NIOSH-2546M	180	Routine	10.00	ug	87IH005	0.050	1.00	87IH044			



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100-51-6	Single		Benzyl Alcohol	NIOSH 2546M	Badge	benzenecarbinol; benzenemethanol; benzoyl alcohol; phenylcarbinol; phenylmethanol; α-hydroxytoluene		IH-Benzyl Alcohol NIOSH-2546M	180	Routine	10.00	ug	N/A	0.050	1	87IH044			
100-44-7	Single		Benzyl Chloride	NIOSH 1003M	Tubes	(Chloromethyl)Benzene; α-Chlorotoluene		IH1003 - Benzyl chloride	5	Routine. Interferences: None identified	11.00	ug	87IH005	0.2	2.2	87IH028			
100-44-7	Single		Benzyl Chloride	NIOSH 1003M	Badge	(Chloromethyl)Benzene; α-Chlorotoluene		IH1003 - Benzyl chloride	5	Routine. Interferences: None identified	11.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH192	
100-44-7	Single		Benzyl Chloride	EMSL In-House Method; SOP VOCs by GC	Badge	(Chloromethyl)Benzene; α-Chlorotoluene		IH-Benzyl Chloride-EMSL InHouse Method-IH7008	5	Routine	2.97	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
7440-41-7	Single		Beryllium (Be)	NIOSH 7300M / NIOSH 7303M – ICP/MS	Cassettes	N/A	CAM 16; CAM 17; Solder Fume; Welding Fume; Priority Pollutant	C-Metals by ICP-MS	0.2	Method Min. Vol.1250 L. Lowest RL-sample Be separate, request ICP/MS analysis. High-fired BeO - long digestion, by request. Routine shipment.	0.01	ug	87IH010	2.0	1250	8715200	8715315		
7440-41-7	Single		Beryllium (Be)	EPA 6010D	Wipe	N/A	CAM 16; CAM 17; Solder Fume; Welding Fume; Priority Pollutant	C-Metals by ICP	0.0002	Method Min. Vol.1250 L. Lowest RL-sample Be separate, request ICP/MS analysis. High-fired BeO - long digestion, by request. Routine shipment.	0.20	ug	N/A	N/A	N/A	8708100			
7440-69-9	Single		Bismuth (Bi)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A		C-Metals by ICP	0	Routine	5.00	ug	87IH010	2.0	1250	8715200	8715315		
7440-69-9	Single		Bismuth (Bi)	EPA 6010D	Wipe	N/A		C-Metals by ICP	None for surfaces	Routine	5.00	ug	N/A	N/A	N/A	8708100			
80-05-7	Single		Bisphenol A	OSHA 1018	Cassettes	2,2-Bis(4-Hydroxyphenyl)Propane		IHC5I014 - Bisphenol A	15	Samples must be shipped cold overnight and stored frozen.	1.12	ug	87IH272	1.5	10	87IH040			
10043-35-3	Single		Boric Acid (as B) - See Boron	EPA 6010D	Wipe	N/A		IHC5I002 - Boric acid (as Boron)	None for surfaces	Routine	5.00	ug/wipe	N/A	N/A	N/A	8708100			
7440-42-8	Single		Boron (B)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A		C-Metals by ICP	15	Routine	5.00	ug	87IH010	2.0	200	8715200	8715315		
7440-42-8	Single		Boron (B)	EPA 6010D	Wipe	N/A		C-Metals by ICP	None for surfaces	Routine	5.00	ug	N/A	N/A	N/A	8708100			
7726-95-6	Single		Bromine	NIOSH 6011	Cassettes	Dibromine		IH6012 - bromine	0.7	Protect from light. Routine shipping	10.00	ug	87IH020	0.50	100	87IH055			
75-25-2	Single		Bromoform	EMSL In-House Method; SOP VOCs by GC	Badge	Tribromomethane; Methyl tribromide		IH-Bromoform-EMSL InHouse Method-IH7009	5.2	Routine	3.09	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
106-99-0	Single	1,3-	Butadiene	EMSL In-House Method; SOP VOCs by GC	Badge	Buta-1,3-Diene		IH-1,3-Butadiene-EMSL InHouse Method-IH7010	2.2	Samples must be shipped cold overnight and stored frozen.	3.80	ug	N/A	N/A	N/A	87IH070			



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106-99-0	Single	1,3-	Butadiene	NIOSH 1024	Tubes	Buta-1,3-Diene		IH1024 - 1,3-Butadiene	2.2	Samples must be shipped cold overnight and stored frozen. Interferences: Pentane, methyl acetylene, or vinylidene chloride at high levels. High humidity (>80% RH)	10.00	ug	87IH005	0.050	10	87IH039			
106-99-0	Single	1,3-	Butadiene	NIOSH 1024	Badge	Buta-1,3-Diene		IH1024 - 1,3-Butadiene	2.2	Samples must be shipped cold overnight and stored frozen. Interferences: Pentane, methyl acetylene, or vinylidene chloride at high levels. High humidity (>80% RH)	10.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
106-99-0	Single	1,3-	Butadiene	OSHA 56	Tubes	Buta-1,3-Diene		IH-1,3-Butadiene-OSHA56-IH6126	2.2	Samples must be shipped cold overnight and stored frozen.	10.00	ug	87IH019	0.05	10	87IH039			
106-99-0	Single	1,3-	Butadiene	OSHA 56	Badge	Buta-1,3-Diene		IH-1,3-Butadiene-OSHA56-IH6126	2.2	Samples must be shipped cold overnight and stored frozen.	10.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
111-76-2	Single	2-	Butoxyethanol	EMSL In-House Method; SOP VOCs by GC	Badge	Ethylene Glycol Monobutyl Ether (EGMBE/EGBE); Butyl Glycol; Butyl Cellosolve		IH-2-Butoxyethanol-EMSL InHouse Method-IH7012	240	Routine shipment, store frozen.	4.27	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
111-76-2	Single	2-	Butoxyethanol	OSHA 83M	Tubes	Ethylene Glycol Monobutyl Ether (EGMBE); Butyl Glycol; Butyl Cellosolve		IH-2-Butoxyethanol-OSHA 83M-IH6120	240	Routine shipment, store frozen.	9.70	ug	87IH005	0.1	1	87IH028			
111-76-2	Single	2-	Butoxyethanol	OSHA 83M	Badge	Ethylene Glycol Monobutyl Ether (EGMBE); Butyl Glycol; Butyl Cellosolve		IH-2-Butoxyethanol-OSHA 83M-IH6120	240	Routine shipment, store frozen.	9.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
111-76-2	Single	2-	Butoxyethanol	NIOSH 1403	Tubes	Ethylene Glycol Monobutyl Ether (EGMBE); Butyl Glycol; Butyl Cellosolve		IH1403 - 2-Butoxyethanol	240	Routine shipment, store frozen. Interferences: None identified	9.00	ug	87IH005	0.20	1	87IH028			
111-76-2	Single	2-	Butoxyethanol	NIOSH 1403	Badge	Ethylene Glycol Monobutyl Ether (EGMBE); Butyl Glycol; Butyl Cellosolve		IH1403 - 2-Butoxyethanol	240	Routine shipment, store frozen. Interferences: None identified	9.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
111-76-2	Single	2-	Butoxyethanol	OSHA 99M	Badge	Ethylene Glycol Monobutyl Ether (EGMBE); Butyl Glycol; Butyl Cellosolve		IH-2-Butoxyethanol-OSHA 99M-IH6102	240	Routine shipment, store frozen.	9.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	



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112-07-2	Single	2-	Butoxyethyl Acetate	EMSL In-House Method; SOP VOCs by GC	Tubes	Ethylene Glycol Monobutyl Ether Acetate (EGMBEA); Butyl Glycol Acetate		IH-2-Butoxyethylacetate-EMSL InHouse Method-IH7014	33	Routine shipment, store frozen.	3.50	ug	87IH005	0.20	1	87IH028			
112-07-2	Single	2-	Butoxyethyl Acetate	EMSL In-House Method; SOP VOCs by GC	Badge	Ethylene Glycol Monobutyl Ether Acetate (EGMBEA); Butyl Glycol Acetate		IH-2-Butoxyethylacetate-EMSL InHouse Method-IH7014	33	Routine shipment, store frozen.	3.06	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
112-07-2	Single	2-	Butoxyethyl Acetate	OSHA 83M	Tubes	Ethylene Glycol Monobutyl Ether Acetate (EGMBEA); Butyl Glycol Acetate		IH-2-Butoxyethyl Acetate-OSHA 83M-IH6123	33	Routine shipment, store frozen.	5.00	ug	87IH005	0.10	1	87IH028			
112-07-2	Single	2-	Butoxyethyl Acetate	OSHA 83M	Badge	Ethylene Glycol Monobutyl Ether Acetate (EGMBEA); Butyl Glycol Acetate		IH-2-Butoxyethyl Acetate-OSHA 83M-IH6123	33	Routine shipment, store frozen.	5.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
112-07-2	Single	2-	Butoxyethyl Acetate	OSHA 99M	Tubes	Ethylene Glycol Monobutyl Ether Acetate (EGMBEA); Butyl Glycol Acetate; Butyl Cellosolve Acetate; EGBEA		IH-2-Butoxyethyl Acetate-OSHA 99-IH6109	33	Routine shipment, store frozen.	5.00	ug	87IH005	0.10	1	87IH028			
112-07-2	Single	2-	Butoxyethyl Acetate	OSHA 99M	Badge	Ethylene Glycol Monobutyl Ether Acetate (EGMBEA); Butyl Glycol Acetate; Butyl Cellosolve Acetate; EGBEA		IH-2-Butoxyethyl Acetate-OSHA 99-IH6109	33	Routine shipment, store frozen.	5.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
5131-66-8	Single		Butoxypropanol	EMSL In-House Method; SOP VOCs by GC	Badge	2-Butoxy-1-Propanol		IH-Butoxypropanol-EMSL InHouse Method-IH7135	Not Established	Routine	3.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
123-86-4	Single	n-	Butyl Acetate	EMSL In-House Method; SOP VOCs by GC	Tubes	Butyl Acetate; Butyl Ethanoate; BuAc;BuOAC		IH-n-Butyl Acetate-EMSL InHouse Method-IH7016	712	Samples must be shipped cold overnight and stored frozen.	3.00	ug	87IH005	0.20	1	87IH028			
123-86-4	Single	n-	Butyl Acetate	EMSL In-House Method; SOP VOCs by GC	Badge	Butyl Acetate; Butyl Ethanoate; BuAc;BuOAC		IH-n-Butyl Acetate-EMSL InHouse Method-IH7016	712	Samples must be shipped cold overnight and stored frozen.	2.91	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
105-46-4	Single	sec-	Butyl Acetate	EMSL In-House Method; SOP VOCs by GC	Tubes	s-Butyl Acetate		IH-sec-Butyl Acetate-EMSL InHouse Method-IH7106	950	Samples must be shipped cold overnight and stored frozen.	3.00	ug	87IH005	0.20	1	87IH028			
105-46-4	Single	sec-	Butyl Acetate	EMSL In-House Method; SOP VOCs by GC	Badge	s-Butyl Acetate		IH-sec-Butyl Acetate-EMSL InHouse Method-IH7106	950	Samples must be shipped cold overnight and stored frozen.	2.88	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
540-88-5	Single	tert-	Butyl Acetate	EMSL In-House Method; SOP VOCs by GC	Tubes	TBuAc; t-Butyl Acetate		IH-tert-Butyl Acetate-InHouseMethod-IH7111	950	Samples must be shipped cold overnight and stored frozen.	3.06	ug	87IH005	0.20	1	87IH028			
540-88-5	Single	tert-	Butyl Acetate	EMSL In-House Method; SOP VOCs by GC	Badge	TBuAc; t-Butyl Acetate		IH-tert-Butyl Acetate-InHouseMethod-IH7111	950	Samples must be shipped cold overnight and stored frozen.	3.06	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	



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105-46-4	Single	sec-	Butyl Acetate	NIOSH 1450	Tubes	s-Butyl Acetate		IH1450 - sec-Butyl acetate	950	Protect from heat, ship cold (SC). Interferences: None identified	8.70	ug	87IH005	0.20	1	87IH028			
105-46-4	Single	sec-	Butyl Acetate	NIOSH 1450	Badge	s-Butyl Acetate		IH1450 - sec-Butyl acetate	950	Protect from heat, ship cold (SC). Interferences: None identified	8.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH174	
123-86-4	Single	n-	Butyl Acetate	NIOSH 1450	Tubes	Butyl Acetate; Butyl Ethanoate, BuAc		IH1451 - n-Butyl acetate	712	Protect from heat, ship cold (SC). Interferences: None identified	8.70	ug	87IH005	0.20	1	87IH028			
123-86-4	Single	n-	Butyl Acetate	NIOSH 1450	Badge	Butyl Acetate; Butyl Ethanoate; BuAc;BuOAC		IH1451 - n-Butyl acetate	712	Protect from heat, ship cold (SC). Interferences: None identified	8.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH174	87IH177
540-88-5	Single	tert-	Butyl Acetate	NIOSH 1450	Tubes	TBuAc; t-Butyl Acetate		IH1400 - tert-Butyl acetate	950	Protect from heat, ship cold (SC). Interferences: None identified	8.70	ug	87IH005	0.20	1	87IH028			
540-88-5	Single	tert-	Butyl Acetate	NIOSH 1450	Badge	TBuAc; t-Butyl Acetate		IH1400 - tert-Butyl acetate	950	Protect from heat, ship cold (SC). Interferences: None identified	8.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH174	
141-32-2	Single		Butyl Acrylate	EMSL In-House Method; SOP VOCs by GC	Badge	n-Butyl Acrylate		IH-Butyl Acrylate-EMSL InHouse Method-IH7017	54	Routine	3.37	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	87IH192
75-65-0	Single	tert-	Butyl Alcohol	NIOSH 1400M	Tubes	tert-Butanol; t-Butanol		IH1404 - tert-Butyl alcohol	302	Samples must be shipped cold overnight and stored frozen. Interferences: None identified	10.00	ug	87IH005	0.20	1	87IH028			
75-65-0	Single	tert-	Butyl Alcohol	NIOSH 1400M	Badge	tert-Butanol; t-Butanol		IH1404 - tert-Butyl alcohol	302	Samples must be shipped cold overnight and stored frozen. Interferences: None identified	7.80	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
78-92-2	Single	sec-	Butyl Alcohol	EMSL In-House Method; SOP VOCs by GC	Badge	2-Butanol; sec-Butanol		IH-sec-Butyl Alcohol-EMSL InHouse Method-IH7107	455	Samples must be shipped cold overnight and stored frozen.	3.93	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
75-65-0	Single	tert-	Butyl Alcohol	EMSL In-House Method; SOP VOCs by GC	Badge	tert-Butanol; t-Butanol		IH-tert-Butanol-EMSL InHouse Method-IH7110	302	Samples must be shipped cold overnight and stored frozen.	4.17	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
71-36-3	Single	n-	Butyl Alcohol	EMSL In-House Method; SOP VOCs by GC	Badge	1-Butanol; n-Butanol		IH-n-Butyl Alcohol-EMSL InHouse Method-IH7011	302	Samples must be shipped cold overnight and stored frozen.	4.55	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
71-36-3	Single	n-	Butyl Alcohol	NIOSH 1401	Badge	1-Butanol; n-Butanol	Organic Scan Profile	IH1401 - n-Butyl alcohol	302	Routine shipment, store frozen. Interferences: None identified	8.10	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
78-92-2	Single	sec-	Butyl Alcohol	NIOSH 1401	Badge	2-Butanol; sec-Butanol	Organic Scan Profile	IH1402 - sec-Butyl alcohol	455	Routine shipment, store frozen. Interferences: None identified	8.10	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
71-36-3	Single	n-	Butyl Alcohol	NIOSH 1401	Tubes	1-Butanol; n-Butanol	Organic Scan Profile	IH1401 - n-Butyl alcohol	302	Routine shipment, store frozen. Interferences: None identified	10.00	ug	87IH005	0.20	1	87IH028			



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78-92-2	Single	sec-	Butyl Alcohol	NIOSH 1401	Tubes	2-Butanol; sec-Butanol	Organic Scan Profile	IH1402 - sec-Butyl alcohol	455	Routine shipment, store frozen. Interferences: None identified	10.00	ug	87IH005	0.20	1	87IH028				
2426-08-6	Single		Butyl Glycidyl Ether	EMSL In-House Method; SOP VOCs by GC	Badge	n-Butyl Glycidyl Ether		IH-Butyl Gicidyl Ether-EMSL InHouse Method-IH7018	268	Routine shipment, store refrigerated.	2.83	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177		
2426-08-6	Single		Butyl Glycidyl Ether	NIOSH 1616	Tubes	n-Butyl Glycidyl Ether		IH1616 - Butyl glycidyl ether	268	Routine shipment, store refrigerated.	9.10	ug	87IH005	0.050	1	87IH028				
2426-08-6	Single		Butyl Glycidyl Ether	NIOSH 1616	Badge	n-Butyl Glycidyl Ether		IH1616 - Butyl glycidyl ether	268	Routine shipment, store refrigerated.	9.10	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177		
590-01-2	Single		Butyl Propionate	EMSL In-House Method; SOP VOCs by GC	Badge	n-Butyl Propionate; Butyl Proprionate		IH-Butyl Propionate-EMSL InHouse Method-IH7019	Not Established	Routine	3.12	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177		
123-72-8	Single		Butyraldehyde	NIOSH 2016M	Tubes	Butanal	Aldehyde Profile	IH2021 - Butyraldehyde	Not Established	Protect from heat. Store in freezer, ship cold (SC).	0.05	ug	87IH006	0.3	15	87IH030				
123-72-8	Single		Butyraldehyde	NIOSH 2016M	Badge	Butanal	Aldehyde Profile	IH2021 - Butyraldehyde	Not Established	Protect from heat. Store in freezer, ship cold (SC).	0.05	ug	N/A	N/A	N/A	87IH034	87IH215	87IH151		
96-48-0	Single	gamm-a-	Butyrolactone	EMSL In-House Method; SOP VOCs by GC	Badge	4-Butyrolactone; Gamma-1-Butyrolactone		IH-Gamma-Butyrolactone-EMSL InHouse Method-IH7064	3.6	Routine	5.12	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177		
7440-43-9	Single		Cadmium (Cd)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A		CAM 16; CAM 17; Solder Fume; Welding Fume; Priority Pollutant; RCRA	C-Metals by ICP	5	Routine	0.50	ug	87IH010	2.0	500	8715200	8715315		
7440-43-9	Single		Cadmium (Cd)	NIOSH 7300M / NIOSH 7303M – ICP/MS	Cassettes	N/A		CAM 16; CAM 17; Solder Fume; Welding Fume; Priority Pollutant; RCRA	C-Metals by ICP-MS	5	Routine	0.05	ug	87IH010	2.0	100	8715200	8715315		
7440-43-9	Single		Cadmium (Cd)	EPA 6010D	Wipe	N/A		CAM 16; CAM 17; Solder Fume; Welding Fume; Priority Pollutant; RCRA	C-Metals by ICP	None for surfaces	Routine	0.20	ug/wipe	N/A	N/A	N/A	8708100			
7440-70-2	Single		Calcium (Ca)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A		C-Metals by ICP	15	Routine	50.00	ug	87IH010	2.0	100	8715200	8715315			
7440-70-2	Single		Calcium (Ca)	NIOSH 7300M / NIOSH 7303M – ICP/MS	Cassettes	N/A		C-Metals by ICP-MS	15	Routine	5.00	ug	87IH010	2.0	100	8715200	8715315			
7440-70-2	Single		Calcium (Ca)	EPA 6010D	Wipe	N/A		C-Metals by ICP	None for surfaces	Routine	5.00	ug/wipe	N/A	N/A	N/A	8708100				
76-22-2	Single		Camphor	EMSL In-House Method; SOP VOCs by GC	Badge	DL-Camphor		IH-Camphor-EMSL InHouse Method-IH7020	2	Routine	3.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177		
404-86-4	Single		Capsaicin	NIOSH 5041	Cassettes	Pepper Spray		IH1026 - Capsaicin	Not Established	Samples must be shipped cold overnight and stored frozen.	0.10	ug	87IH261	2.0	100	87IH040				
404-86-4	Single		Capsaicin, w/ Dihydrocapsaicin & Oleoresin Capsicum (OC)	NIOSH 5041	Wipe	Pepper Spray		IH1026 - Capsaicin	Not Established	Samples must be shipped cold overnight and stored frozen.	0.10	ug	N/A	N/A	N/A	87IH051				



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56-23-5	Single		Carbon Tetrachloride	NIOSH 1003M	Tubes	Tetrachloromethane	Organic Scan Profile	IH1004 - Carbon tetrachloride	63	Routine. Interferences: None identified	16.00	ug	87IH005	0.20	1	87IH028			
56-23-5	Single		Carbon Tetrachloride	NIOSH 1003M	Badge	Tetrachloromethane	Organic Scan Profile	IH1004 - Carbon tetrachloride	63	Routine. Interferences: None identified	16.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH192	
56-23-5	Single		Carbon Tetrachloride	EMSL In-House Method; SOP VOCs by GC	Tubes	Tetrachloromethane		IH-Carbon Tetrachloride-EMSL InHouse Method-IH7021	63	Routine	3.00	ug	87IH005	0.20	1	87IH028			
56-23-5	Single		Carbon Tetrachloride	EMSL In-House Method; SOP VOCs by GC	Badge	Tetrachloromethane		IH-Carbon Tetrachloride-EMSL InHouse Method-IH7021	63	Routine	2.91	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
7440-45-1	Single		Cerium (Ce)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A		C-Metals by ICP	0	Routine	5.00	ug	87IH010	2.0	100	8715200	8715315		
7440-45-1	Single		Cerium (Ce)	EPA 6010D	Wipe	N/A		C-Metals by ICP	None for surfaces	Routine	5.00	ug/wipe or ug 100cm2	N/A	N/A	N/A	8708100			
57-74-9	Single		Chlordane	NIOSH 5510M	Cassette + Tubes	Chlorindan; Chlordan		IH5510 - Clordane	0.5	Routine	2.00	ug	87IH014	1.0	100	87IH041			
7782-50-5	Single		Chlorine	NIOSH 6011	Cassettes	Bertholite		IH6011 - chlorine	3	Routine, protect from light	10.00	ug	87IH020	0.20	200	87IH055			
108-90-7	Single		Chlorobenzene	NIOSH 1003M	Tubes	Monochlorobenzene ; Benzene Chloride	Organic Scan Profile	IH1013 - Chlorobenzene	347	Routine. Interferences: None identified	8.60	ug	87IH005	0.2	1	87IH028			
108-90-7	Single		Chlorobenzene	NIOSH 1003M	Badge	Monochlorobenzene ; Benzene Chloride	Organic Scan Profile	IH1013 - Chlorobenzene	347	Routine. Interferences: None identified	8.60	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
108-90-7	Single		Chlorobenzene	EMSL In-House Method; SOP VOCs by GC	Tubes	Monochlorobenzene ; Benzene Chloride		IH-Chlorobenzene-EMSL InHouse Method-IH7022	347	Routine	3.06	ug	87IH005	0.20	1	87IH028			
108-90-7	Single		Chlorobenzene	EMSL In-House Method; SOP VOCs by GC	Badge	Monochlorobenzene ; Benzene Chloride		IH-Chlorobenzene-EMSL InHouse Method-IH7022	347	Routine	2.93	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
98-15-7	Single	3-	Chlorobenzotrifluoride	EMSL In-House Method; SOP VOCs by GC	Badge	m-Chlorobenzotrifluoride		IH-3-Chlorobenzotrifluoride-EMSL InHouse Method-IH7023	Not Established	Routine	3.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
98-56-6	Single	4-	Chlorobenzotrifluoride	EMSL In-House Method; SOP VOCs by GC	Badge	p-Chlorobenzotrifluoride		IH-4-Chlorobenzotrifluoride-EMSL InHouse Method-IH7024	Not Established	Routine	3.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
67-66-3	Single		Chloroform	EMSL In-House Method; SOP VOCs by GC	Tubes	Trichloromethane		IH-Chloroform-EMSL InHouse Method-IH7025	242	Routine	3.00	ug	87IH005	0.2	1	87IH028			
67-66-3	Single		Chloroform	EMSL In-House Method; SOP VOCs by GC	Badge	Trichloromethane		IH-Chloroform-EMSL InHouse Method-IH7025	242	Routine	3.09	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
67-66-3	Single		Chloroform	NIOSH 1003M	Tubes	Trichloromethane	Organic Scan Profile	IH1006 - Chloroform	242	Routine. Interferences: None identified	15.00	ug	87IH005	0.2	1	87IH028			
67-66-3	Single		Chloroform	NIOSH 1003M	Badge	Trichloromethane	Organic Scan Profile	IH1006 - Chloroform	242	Routine. Interferences: None identified	15.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH192	
2921-88-2	Single		Chlorpyrifos	NIOSH 5600M	Tubes	Dursban; Lorsban		IH5601 - Chlorpyrifos	0.2	Routine	4.00	ug	87IH013	1	20	87IH092			



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7440-47-3	Single		Chromium (Cr)	NIOSH 7300M / NIOSH 7303M – ICP/MS	Cassettes	N/A		C-Metals by ICP-MS	0.5	Routine	1.00	ug	87IH010	2	250	8715200	8715315		
7440-47-3	Single		Chromium (Cr)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A		C-Metals by ICP	0.5	Routine	1.00	ug	87IH010	2.0	250	8715200	8715315		
7440-47-3	Single		Chromium (Cr)	EPA 6010D	Wipe	N/A		C-Metals by ICP	None for surfaces	Routine	0.50	ug/wipe	N/A	N/A	N/A	8708100			
18540-29-9	Single		Chromium, Hexavalent	OSHA ID-215 V2	Cassettes	Hex Chrome; Chrome VI; Chromate; Chromium Trioxide		Hexavalant Chromium, Total	0.005	Ship overnight to lab <24 hours Welding- must be analyzed <8 days Plating - analyze < 6 days Paint samples require extra digestion	0.01	ug	87IH003	2.0	960	8715502			
18540-29-9	Single		Chromium, Hexavalent	OSHA ID-215 V2	Wipe	Hex Chrome; Chrome VI; Chromate; Chromium Trioxide		Hexavalant Chromium, Total	None for surfaces	Wipe 100cm2 Ship overnight to lab <24 hours Welding- must be analyzed <8 days Plating - buffer immediately, analyze < 6 days Paint samples require extra digestion	0.01	ug/wipe or ug 100cm2	N/A	N/A	N/A	8715502			
18540-29-9	Single		Chromium, Hexavalent	NIOSH 7600	Cassettes	Hex Chrome;Chrome VI; Chromate;Chromium Trioxide		IH7600 - Chromium, hex	0.005	Ship overnight to lab <24 hours Welding- must be analyzed <8 days Plating - must be analyzed < 6 days Paint samples require extra digestion	0.50	ug	87IH003	2.0	200	8715502			
218-01-9	Single		Chrysene	NIOSH 5506M	Air (Cassette + Tube)	Benzo[a]phenanthrene; 1,2-Benzophenanthrene	Coal Tar Pitch Volatiles; PAH - Full List	IH-Chrysene-NIOSH 5506 IH6030	0.2	Protect from light and heat. Wrap in foil, ship refrigerated (OC).	0.31	ug	87IH012	2	200	87IH043			
50-36-2	Single		Clandestine Drug - Cocaine	NIOSH 9111M	Cassettes	N/A		IH-Clandestine Drug/Cocaine-NIOSH 9111M-IH6050	None for air samples	Sample 2-4 LPM on GFF 4-8 hours Routine Shipment	0.10	ug/wipe or ug 100cm2	87IH264	1	240	87IH040			
50-36-2	Single		Clandestine Drug - Cocaine	NIOSH 9111M	Wipe	N/A		IH-Clandestine Drug/Cocaine-NIOSH 9111M-IH6050	0.0001	Use Meth Wipe Kit or Alcohol Prep Pads & 50 ml flat bottom centrifuge tubes Routine shipping	0.10	ug/wipe or ug 100cm2	N/A	N/A	N/A	87IH051			
437-38-7	Single		Clandestine Drug - Fentanyl	NIOSH 9111M	Cassettes	N/A		IH-Clandestine Drug/Fentanyl-NIOSH 9111M-IH6051	None for air samples	Sample 2-4 LPM on GFF 4-8 hours Routine Shipment	0.10	ug/wipe or ug 100cm2	87IH264	1	240	87IH040			
437-38-7	Single		Clandestine Drug - Fentanyl	NIOSH 9111M	Wipe	N/A		IH-Clandestine Drug/Fentanyl-NIOSH 9111M-IH6051	0.0001	Use Meth Wipe Kit or Alcohol Prep Pads & 50 ml flat bottom centrifuge tubes Routine shipping	0.10	ug/wipe or ug 100cm2	N/A	N/A	N/A	87IH051			



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537-46-2	Single		Clandestine Drug - Methamphetamine	NIOSH 9111M	Cassettes	N/A		IH-0010 Methamphetamine	None for air samples	Sample 2-4 LPM on GFF 4-8 hours Routine Shipment	0.10	ug/wipe or ug 100cm2	87IH264	1	240	87IH040			
537-46-2	Single		Clandestine Drug - Methamphetamine	NIOSH 9111M	Wipe	N/A		IH-0010 Methamphetamine	0.0001	Use Meth Wipe Kit or Alcohol Prep Pads & 50 ml flat bottom centrifuge tubes Routine shipping	0.10	ug/wipe or ug 100cm2	N/A	N/A	N/A	87IH051			
561-27-3	Single		Clandestine Drug - Heroin	NIOSH 9111M	Cassettes	N/A		IH-Clandestine Drug/Heroin-NIOSH 9111M-IH6108	None for air samples	Sample 2-4 LPM on GFF 4-8 hours Routine Shipment	0.10	ug/wipe or ug 100cm2	87IH264	1	240	87IH040			
561-27-3	Single		Clandestine Drug - Heroin	NIOSH 9111M	Wipe	N/A		IH-Clandestine Drug/Heroin-NIOSH 9111M-IH6108	0.0001	Use Meth Wipe Kit or Alcohol Prep Pads & 50 ml flat bottom centrifuge tubes Routine shipping	0.10	ug/wipe or ug 100cm2	N/A	N/A	N/A	87IH051			
50-37-3	Single		Clandestine Drug - LSD	NIOSH 9111M	Cassettes	N/A		IH-Clandestine Drug/LSD-NIOSH 9111M-IH6052	None for air samples	Sample 2-4 LPM on GFF 4-8 hours Routine Shipment	0.10	ug/wipe or ug 100cm2	87IH264	1	240	87IH040			
50-37-3	Single		Clandestine Drug - LSD	NIOSH 9111M	Wipe	N/A		IH-Clandestine Drug/LSD-NIOSH 9111M-IH6052	0.0001	Use Meth Wipe Kit or Alcohol Prep Pads & 50 ml flat bottom centrifuge tubes Routine shipping	0.10	ug/wipe or ug 100cm2	N/A	N/A	N/A	87IH051			
1972-08-3	Single		Clandestine Drug - THC	NIOSH 9111M	Cassettes	Tetrahydrocannabinol; Marijuana		IH-Clandestine Drug/THC NIOSH 9111M-IH6053	None for air samples	Sample 2-4 LPM on GFF 4-8 hours Routine Shipment	0.10	ug/wipe or ug 100cm2	87IH264	1	240	87IH040			
1972-08-3	Single		Clandestine Drug - THC	NIOSH 9111M	Wipe	Tetrahydrocannabinol; Marijuana		IH-Clandestine Drug/THC NIOSH 9111M-IH6053	0.0001	Use Meth Wipe Kit or Alcohol Prep Pads & 50 ml flat bottom centrifuge tubes Routine shipping	0.10	ug/wipe or ug 100cm2	N/A	N/A	N/A	87IH051			
42542-10-9	Single		Clandestine Drug - MDMA	NIOSH 9111M	Cassettes	Extasy;X;Ecstasy	IH-BTEX	IH-Clandestine Drug/MDMA-NIOSH 9111M-IH6049	None for air samples	Sample 2-4 LPM on GFF 4-8 hours Routine Shipment	0.10	ug/wipe or ug 100cm2	87IH264	1	240	87IH040			
42542-10-9	Single		Clandestine Drug - MDMA	NIOSH 9111M	Wipe	Extasy;X;Ecstasy		IH-Clandestine Drug/MDMA-NIOSH 9111M-IH6049	0.0001	Use Meth Wipe Kit or Alcohol Prep Pads & 50 ml flat bottom centrifuge tubes Routine shipping	0.10	ug/wipe or ug 100cm2	N/A	N/A	N/A	87IH051			
7440-48-4	Single		Cobalt (Co)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A	CAM 16; CAM 17; Solder Fume; Welding Fume	C-Metals by ICP	0.1	Routine	0.50	ug	87IH010	2.0	250	8715200	8715315		
7440-48-4	Single		Cobalt (Co)	NIOSH 7300M / NIOSH 7303M – ICP/MS	Cassettes	N/A	CAM 16; CAM 17; Solder Fume; Welding Fume	C-Metals by ICP-MS	0.1	Routine	0.50	ug	87IH010	2.0	250	8715200	8715315		
7440-48-4	Single		Cobalt (Co)	EPA 6010D	Wipe	N/A	CAM 16; CAM 17; Solder Fume; Welding Fume	C-Metals by ICP	None for surfaces	Routine	0.50	ug	N/A	N/A	N/A	8708100			



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7440-50-8	Single		Copper (Cu)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A	CAM 16; CAM 17; Solder Fume; Priority Pollutant	C-Metals by ICP	0.1	Routine	1.00	ug	87IH010	2.0	250	8715200	8715315		
7440-50-8	Single		Copper (Cu)	NIOSH 7300M / NIOSH 7303M – ICP/MS	Cassettes	N/A	CAM 16; CAM 17; Solder Fume; Priority Pollutant	C-Metals by ICP-MS	0.1	Routine	0.50	ug	87IH010	2.0	250	8715200	8715315		
7440-50-8	Single		Copper (Cu)	EPA 6010D	Wipe	N/A	CAM 16; CAM 17; Solder Fume; Priority Pollutant	C-Metals by ICP	None for surfaces	Routine	1.00	ug/wipe	N/A	N/A	N/A	8708100			
1319-77-3	Single		Cresols (m-, o-, and p-)	NIOSH 2546M	Tubes	Methylphenol; Tricresol		IH2546 - Cresols (m,o,p-isomers)	22	Routine	11.00	ug	87IH005	0.050	10	87IH044			
123-73-9	Single		Crotonaldehyde	NIOSH 2016M	Tubes	2-Butenal	Aldehyde Profile	IH-Crotonaldehyde-NIOSH 2016-IH7151	5.8	Protect from heat. Store in freezer, ship cold (5C).	0.05	ug	87IH006	0.3	15	87IH030			
123-73-9	Single		Crotonaldehyde	NIOSH 2016M	Badge	2-Butenal	Aldehyde Profile	IH-Crotonaldehyde-NIOSH 2016-IH7151	5.8	Protect from heat. Store in freezer, ship cold (5C).	0.05	ug	N/A	N/A	N/A	87IH034	87IH215	87IH151	
98-82-8	Single		Cumene	NIOSH 1501M	Tubes	Isopropyl Benzene	Hydrocarbon, Aromatic Profile	IH1501 - Cumene	245	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	8.70	ug	87IH005	0.20	10	87IH028			
98-82-8	Single		Cumene	NIOSH 1501M	Badge	Isopropyl Benzene	Hydrocarbon, Aromatic Profile	IH1501 - Cumene	245	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	8.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
98-82-8	Single		Cumene	EMSL In-House Method; SOP VOCs by GC	Tubes	Isopropyl Benzene		IH-Isopropyl Benzene-EMSL InHouse Method-IH7078	245	Routine	3.16	ug	87IH005	0.20	10	87IH028			
98-82-8	Single		Cumene	EMSL In-House Method; SOP VOCs by GC	Badge	Isopropyl Benzene		IH-Isopropyl Benzene-EMSL InHouse Method-IH7078	245	Routine	2.78	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
74-90-8	Single		Cyanide, Hydrogen	NIOSH 6010M	Tubes	Hydrocyanic Acid		IH6010 - Cyanide (total and HCN)	11	Routine. Interferences: High concentrations of hydrogen sulfide (H2S) can cause a negative interference	1.70	ug	87IH690	0.10	1	87IH045			
110-82-7	Single		Cyclohexane	NIOSH 1500M	Tubes	Hexamethylene; Hexanaphthene		IH1502 - Cyclohexane	1034	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	7.80	ug	87IH005	0.2	5	87IH028			
110-82-7	Single		Cyclohexane	NIOSH 1500M	Badge	Hexamethylene; Hexanaphthene		IH1502 - Cyclohexane	1034	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	7.80	ug	N/A	N/A	N/A	87IH069	87IH070	87IH174	



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110-82-7	Single		Cyclohexane	EMSL In-House Method; SOP VOCs by GC	Tubes	Hexamethylene; Hexanaphthene		IH-Cyclohexane-EMSL InHouse Method-IH7026	1034	Routine	2.94	ug	87IH005	0.2	5	87IH028			
110-82-7	Single		Cyclohexane	EMSL In-House Method; SOP VOCs by GC	Badge	Hexamethylene; Hexanaphthene		IH-Cyclohexane-EMSL InHouse Method-IH7026	1034	Routine	2.88	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
108-93-0	Single		Cyclohexanol	EMSL In-House Method; SOP VOCs by GC	Badge	Cyclohexyl Alcohol		IH-Cyclohexanol-EMSL InHouse Method-IH7027	204	Routine	3.83	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
108-94-1	Single		Cyclohexanone	EMSL In-House Method; SOP VOCs by GC	Tubes	Ketohexamethylene		IH-Cyclohexanone-EMSL InHouse Method-IH7028	200	Routine	3.50	ug	87IH005	0.20	1	87IH028			
108-94-1	Single		Cyclohexanone	EMSL In-House Method; SOP VOCs by GC	Badge	Ketohexamethylene		IH-Cyclohexanone-EMSL InHouse Method-IH7028	200	Routine	3.33	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
108-94-1	Single		Cyclohexanone	NIOSH 1300	Tubes	Ketohexamethylene		IH1306 - Cyclohexanone	200	Routine Interferences: None identified	9.50	ug	87IH005	0.20	1	87IH028			
108-94-1	Single		Cyclohexanone	NIOSH 1300	Badge	Ketohexamethylene		IH1306 - Cyclohexanone	200	Routine Interferences: None identified	9.50	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
110-83-8	Single		Cyclohexene	EMSL In-House Method; SOP VOCs by GC	Tubes	Tetrahydrobenzene		IH-Cyclohexene-EMSL InHouse Method-IH7029	1009	Routine	3.00	ug	87IH005	0.2	1	87IH028			
110-83-8	Single		Cyclohexene	EMSL In-House Method; SOP VOCs by GC	Badge	Tetrahydrobenzene		IH-Cyclohexene-EMSL InHouse Method-IH7029	1009	Routine	2.72	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
287-92-3	Single		Cyclopentane	NIOSH 1500M	Tubes	1-Cyclopentene		IH1503 - Cyclopentane	1720	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	7.50	ug	87IH005	0.2	1	87IH028			
287-92-3	Single		Cyclopentane	NIOSH 1500M	Badge	1-Cyclopentene		IH1503 - Cyclopentane	1720	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	7.50	ug	N/A	N/A	N/A	87IH069	87IH070		
124-18-5	Single		Decane	EMSL In-House Method; SOP VOCs by GC	Badge	n-Decane; Decyl Hydride		IH-Decane-EMSL InHouse Method-IH7030	38.4	Routine	3.16	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
57041-67-5	Single		Desflurane	OSHA 103M	Tubes	1,2,2,2-Tetrafluoroethyl Difluoromethyl Ether	Waste Anesthetic Gases (WAGs)	IH-Desflurane-OSHA 103M-IH6061	13.7	Routine	10.00	ug	87IH005	0.050	12	87IH111			
57041-67-5	Single		Desflurane	OSHA 103M	Badge	1,2,2,2-Tetrafluoroethyl Difluoromethyl Ether	Waste Anesthetic Gases (WAGs)	IH-Desflurane-OSHA 103M-IH6061	13.7	Routine	10.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
117-81-7	Single		Di(2-ethylhexyl)phthalate	OSHA 104	Tubes	Bis(2-Ethylhexyl) Phthalate; DEHP; BEHP	Phthalate Esters	IH-Di-2-Ethylhexyl Phthalate-OSHA 104-IH6090	5	Routine	1.00	ug	87IH005	1	240	87IH58			
123-42-2	Single		Diacetone Alcohol	NIOSH 1402	Badge	4-Hydroxy-4-Methyl-2-Pentanone		IHCSI003 - Diacetone alcohol	239	Routine shipment, store frozen. Interferences: None identified	9.30	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	



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123-42-2	Single		Diacetone Alcohol	EMSL In-House Method; SOP VOCs by GC	Badge	4-Hydroxy-4-Methyl-2-Pentanone		IH-Diacetone Alcohol-EMSL InHouse Method-IH7032	239	Routine	3.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
333-41-5	Single		Diazinon	NIOSH 5600M	Tubes	Diazinone; Dimpylate		IH5602 - Diazinon	0.1	Routine	4.00	ug	87IH013	1.0	40	87IH092			
53-70-3	Single		Dibenz(a,h)anthracene	NIOSH 5506M	Air (Cassette + Tube)	5,6-Dibenzanthracene	PAH - Full List	IH-Dibenz(a,h)anthracene NIOSH 5506-IH6031	0.2	Protect from light and heat. Wrap in foil, ship refrigerated (0C).	0.31	ug	87IH012	2	200	87IH043			
96-12-8	Single	1,2-	Dibromo-3-Chloropropane	EMSL In-House Method; SOP VOCs by GC	Badge	DBCP		IH-1,2-Dibromo-3-Chloropropane-EMSL InHouse Method-IH7136	0.01	Routine	3.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
96-12-8	Single	1,2-	Dibromo-3-Chloropropane	EMSL In-House Method; SOP VOCs by GC	Tubes	DBCP		IH-1,2-Dibromo-3-Chloropropane-EMSL InHouse Method-IH7136	0.01	Routine	3.00	ug	87IH005	0.20	10	87IH028			
84-74-2	Single		Dibutyl Phthalate	OSHA 104	Tubes	Di-n-Butyl Phthalate; DBP		IH-Dibutyl Phthalate-OSHA 104-IH6089	5	Routine	1.00	ug	87IH005	1	1	87IH58			
111-92-2	Single		Dibutylamine	EMSL In-House Method; SOP VOCs by GC	Badge	Di-n-butylamine		IH-Dibutylamine-EMSL InHouse Method-IH7139	2.37	Routine	3.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
111-92-2	Single		Dibutylamine	EMSL In-House Method; SOP VOCs by GC	Tubes	Di-n-butylamine		IH-Dibutylamine-EMSL InHouse Method-IH7139	2.37	Routine	3.00	ug	87IH005	0.2	10	87IH028			
106-46-7	Single	1,4-	Dichlorobenzene	NIOSH 1003M	Tubes	p-Dichlorobenzene		IH1009 - p-Dichlorobenzene	450	Routine. Interferences: None identified	15.00	ug	87IH005	0.20	1	87IH028			
541-73-1	Single	1,3-	Dichlorobenzene	NIOSH 1003M	Tubes	m-Dichlorobenzene		IH1010 - m-Dichlorobenzene	36.07	Routine. Interferences: None identified	13.00	ug	87IH005	0.20	1	87IH028			
106-46-7	Single	1,4-	Dichlorobenzene	EMSL In-House Method; SOP VOCs by GC	Badge	p-Dichlorobenzene		IH-1,4-Dichlorobenzene-EMSL InHouse Method-IH7034	450	Routine	3.21	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
106-46-7	Single	1,4-	Dichlorobenzene	NIOSH 1003M	Badge	p-Dichlorobenzene		IH1009 - p-Dichlorobenzene	450	Routine. Interferences: None identified	15.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
95-50-1	Single	1,2-	Dichlorobenzene	NIOSH 1003M	Tubes	o-Dichlorobenzene	Organic Scan Profile	IH1011 - o-Dichlorobenzene	300	Routine. Interferences: None identified	13.00	ug	87IH005	0.20	1	87IH028			
95-50-1	Single	1,2-	Dichlorobenzene	EMSL In-House Method; SOP VOCs by GC	Badge	o-Dichlorobenzene		IH-1,2-Dichlorobenzene-EMSL InHouse Method-IH7033	300	Routine	3.10	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
95-50-1	Single	1,2-	Dichlorobenzene	NIOSH 1003M	Badge	o-Dichlorobenzene	Organic Scan Profile	IH1011 - o-Dichlorobenzene	300	Routine. Interferences: None identified	13.00	ug	87IH005	N/A	N/A	87IH069	87IH070	87IH177	
75-27-4	Single		Dichlorobromomethane	EMSL In-House Method; SOP VOCs by GC	Tubes	Bromo(dichloro)methane; Bromodichloromethane		IH-Dichlorobromomethane-EMSL InHouse Method-IH7138	8.7	Routine	3.00	ug	87IH005	0.2	1	87IH028			
75-27-4	Single		Dichlorobromomethane	EMSL In-House Method; SOP VOCs by GC	Badge	Bromo(dichloro)methane; Bromodichloromethane		IH-Dichlorobromomethane-EMSL InHouse Method-IH7138	8.7	Routine	3.00	ug	87IH005	N/A	N/A	87IH069	87IH070	87IH177	



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107-06-2	Single	1,2-	Dichloroethane	NIOSH 1003M	Badge	Ethylene dichloride; 1,2-DCA; DCE[1]; Ethane dichloride; Dutch liquid; Dutch oil; Freon 150		IH1012 - 1,2-Dichloroethane	201	Routine. Interferences: None identified	12.50	ug	87IH005	N/A	N/A	87IH069	87IH070	87IH177	
107-06-2	Single	1,2-	Dichloroethane	NIOSH 1003M	Tubes	Ethylene dichloride; 1,2-DCA; DCE[1]; Ethane dichloride; Dutch liquid; Dutch oil; Freon 150		IH1012 - 1,2-Dichloroethane	201	Routine. Interferences: None identified	12.50	ug	87IH005	0.2	1	87IH028			
107-06-2	Single	1,2-	Dichloroethane	EMSL In-House Method; SOP VOCs by GC	Badge	Ethylene dichloride 1,2-DCA DCE[1] Ethane dichloride Dutch liquid, Dutch oil Freon 150		IH-1,1-Dichloroethane-EMSIL InHouse Method-IH7035	403	Routine	3.00	ug	87IH005	N/A	N/A	87IH069	87IH070	87IH177	
107-06-2	Single	1,2-	Dichloroethane	EMSL In-House Method; SOP VOCs by GC	Tubes	Ethylene dichloride; 1,2-DCA; DCE[1]; Ethane dichloride; Dutch liquid; Dutch oil; Freon 150		IH-1,1-Dichloroethane-EMSIL InHouse Method-IH7035	403	Routine	3.00	ug	87IH005	0.2	1	87IH028			
75-34-3	Single	1,1-	Dichloroethane	NIOSH 1003M	Badge	ethylidene dichloride; ethylidene chloride; CFC-150a; 1,1-DCA; Asymmetrical dichloroethane; 1,1-Ethylidene dichloride; geminal dichloroethane	Organic Scan Profile	IH-1,1-Dichloroethane-NIOSH 1003-IH6003	403	Routine. Interferences: None identified	12.50	ug	87IH005	N/A	N/A	87IH069	87IH070	87IH177	
75-34-3	Single	1,1-	Dichloroethane	NIOSH 1003M	Tubes	ethylidene dichloride; ethylidene chloride; CFC-150a; 1,1-DCA; Asymmetrical dichloroethane; 1,1-Ethylidene dichloride; geminal dichloroethane	Organic Scan Profile	IH-1,1-Dichloroethane-NIOSH 1003-IH6003	403	Routine. Interferences: None identified	12.50	ug	87IH005	0.20	1	87IH028			



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156-59-2	Single	1,2-	Dichloroethylene (cis)	EMSL In-House Method; SOP VOCs by GC	Badge	1,2-Dichloroethene (cis)		IH-1,2-Dichloroethene (cis)-EMSL InHouse Method-IH7036	792	Routine	3.14	ug	87IH005	N/A	N/A	87IH069	87IH070	87IH177	
156-59-2	Single	1,2-	Dichloroethylene (cis)	NIOSH 1003M	Badge	1,2-Dichloroethene (cis)		IH1019 - 1,2-Dichloroethylene	792	Routine. Interferences: None identified	12.80	ug	87IH005	N/A	N/A	87IH069	87IH070	87IH177	
156-59-2	Single	1,2-	Dichloroethylene (cis)	NIOSH 1003M	Tubes	1,2-Dichloroethene (cis)		IH1019 - 1,2-Dichloroethylene	792	Routine. Interferences: None identified	12.80	ug	87IH005	0.2	1	87IH028			
156-59-2	Single	1,2-	Dichloroethylene (cis)	EMSL In-House Method; SOP VOCs by GC	Tubes	1,2-Dichloroethene (cis)		IH-1,2-Dichloroethene (cis)-EMSL InHouse Method-IH7036	792	Routine	3.00	ug	87IH005	0.2	1	87IH028			
156-60-5	Single	1,2-	Dichloroethylene (trans)	NIOSH 1003M	Tubes	1,2-Dichloroethene (trans)		IH-1,2-Dichloroethylene(trans)-NIOSH 1003M-IH7146	792	Routine. Interferences: None identified	12.80	ug	87IH005	0.2	1	87IH028			
156-60-5	Single	1,2-	Dichloroethylene (trans)	NIOSH 1003M	Badge	1,2-Dichloroethene (trans)		IH-1,2-Dichloroethylene(trans)-NIOSH 1003M-IH7146	792	Routine. Interferences: None identified	12.80	ug	87IH005	N/A	N/A	87IH069	87IH070	87IH177	
156-60-5	Single	1,2-	Dichloroethylene (trans)	EMSL In-House Method; SOP VOCs by GC	Badge	1,2-Dichloroethene (trans)		IH-1,2-Dichloroethene (trans)-InHouseMethod-IH7120	792	Routine	3.12	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
156-60-5	Single	1,2-	Dichloroethylene (trans)	EMSL In-House Method; SOP VOCs by GC	Tubes	1,2-Dichloroethene (trans)		IH-1,2-Dichloroethene (trans)-InHouseMethod-IH7120	792	Routine	3.00	ug	87IH005	0.2	1	87IH028			
78-87-5	Single	1,2-	Dichloropropane	NIOSH 1013	Tubes	Propylene Dichloride; Propane	Organic Scan Profile	IH-1,2-Dichloropropane-NIOSH 1013-IH6106	345	Routine Shipping, Protect from Light, Store Refrigerated Interferences: None identified	12.00	ug	87IH005	0.10	1	87IH111			
78-87-5	Single	1,2-	Dichloropropane	NIOSH 1013	Badge	Propylene Dichloride; Propane	Organic Scan Profile	IH-1,2-Dichloropropane-NIOSH 1013-IH6106	345	Routine Shipping, Protect from Light, Store Refrigerated Interferences: None identified	12.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
62-73-7	Single		Dichlorvos	NIOSH 5600M	Tubes	DDVP; Dichlorophos		IH5607 Dichlorvos	1	Routine	4.00	ug	87IH013	1.0	100	87IH092			
7440-44-0	Single		Diesel Particulate Matter, as Elemental Carbon	NIOSH 5040	Cassettes	Elemental Carbon (Diesel Particulate Matter); DPM		IH5040 - Dies Part Matter (DPM)	0.02	Routine	7.00	ug	87IH011	2.0	1000	87IH046			
96-22-0	Single		Diethyl Ketone	NIOSH 1301	Tubes	3-Pentanone		IH1301 - Diethyl ketone	705	Routine Interferences: None identified	8.10	ug	87IH005	0.050	1	87IH028			
96-22-0	Single		Diethyl Ketone	NIOSH 1301	Badge	3-Pentanone		IH1301 - Diethyl ketone	705	Routine Interferences: None identified	8.10	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
84-66-2	Single		Diethyl Phthalate	OSHA 104	Tubes	Ethyl Phthalate;DEP	Phthalate Esters	IH-Diethyl Phthalate-OSHA 104-IH6088	5	Routine	1.00	ug	87IH005	1	10	87IH58			
111-90-0	Single		Diethylene Glycol Ethyl Ether	EMSL In-House Method; SOP VOCs by GC	Tubes	2-(2-Et oxyethoxy)ethanol; Carbitol; DEGEE		IH-DEGEE-EMSL InHouse Method-IH7038	410	Routine	3.00	ug	87IH005	0.2	1	87IH028			
111-90-0	Single		Diethylene Glycol Ethyl Ether	EMSL In-House Method; SOP VOCs by GC	Badge	2-(2-Et oxyethoxy)ethanol; Carbitol; DEGEE		IH-DEGEE-EMSL InHouse Method-IH7038	410	Routine	3.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
111-90-0	Single		Diethylene Glycol Ethyl Ether	OSHA 83M	Tubes	2-(2-Et oxyethoxy)ethanol; Carbitol; DEGEE		IH-DEGEE-OSHA 83M-IH6112	410	Routine	9.70	ug	87IH005	0.1	1	87IH028			



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111-90-0	Single		Diethylene Glycol Ethyl Ether	OSHA 83M	Badge	2-(2-Et oxyethoxy)ethanol; Carbitol; DEGEE		IH-DEGEE-OSHA 83M-IH6112	410	Routine	9.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
111-90-0	Single		Diethylene Glycol Ethyl Ether	OSHA 99M	Tubes	2-(2-Et oxyethoxy)ethanol; Carbitol; DEGEE		IH-DEGEE-OSHA 99M-IH6094	410	Routine	9.70	ug	87IH005	0.10	1	87IH028			
111-90-0	Single		Diethylene Glycol Monobutyl Ether	OSHA 99M	Badge	2-(2-Et oxyethoxy)ethanol; Carbitol; DEGEE		IH-DEGEE-OSHA 99M-IH6094	410	Routine	9.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
112-34-5	Single		Diethylene Glycol Monobutyl Ether	EMSL In-House Method; SOP VOCs by GC	Tubes	2-(2-Butoxyethoxy)Ethanol; DGMBE		IH-DGMBE-EMSL InHouse Method-IH7013	66	Routine	3.00	ug	87IH005	0.2	1	87IH028			
112-34-5	Single		Diethylene Glycol Monobutyl Ether	OSHA 83M	Tubes	2-(2-Butoxyethoxy)Ethanol; DGMBE		IH-DGMBE-OSHA 83M-IH6110	66	Routine	9.70	ug	87IH005	0.1	1	87IH028			
112-34-5	Single		Diethylene Glycol Monobutyl Ether	OSHA 83M	Badge	2-(2-Butoxyethoxy)Ethanol; DGMBE		IH-DGMBE-OSHA 83M-IH6110	66	Routine	9.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
112-34-5	Single		Diethylene Glycol Monobutyl Ether	OSHA 99M	Badge	2-(2-Butoxyethoxy)Ethanol; DGMBE		IH-DGMBE-OSHA 99M-IH6092	66	Routine	9.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
112-34-5	Single		Diethylene Glycol Monobutyl Ether	EMSL In-House Method; SOP VOCs by GC	Badge	2-(2-Butoxyethoxy)Ethanol; DGMBE		IH-DGMBE-EMSL InHouse Method-IH7013	66	Routine	3.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
112-34-5	Single		Diethylene Glycol Monobutyl Ether Acetate	OSHA 99M	Tubes	2-(2-Butoxyethoxy)Ethanol; DGMBE		IH-DGMBE-OSHA 99M-IH6092	66	Routine	9.70	ug	87IH005	0.10	1	87IH028			
124-17-4	Single		Diethylene Glycol Monobutyl Ether Acetate	EMSL In-House Method; SOP VOCs by GC	Tubes	2-(2-Butoxyethoxy)Ethyl Acetate; DGMBEA; Butoxyethoxyethyl acetate		IH-DGMBEA-EMSL InHouse Method-IH7031	85	Routine	3.00	ug	87IH005	0.1	1	87IH028			
124-17-4	Single		Diethylene Glycol Monobutyl Ether Acetate	OSHA 83M	Tubes	2-(2-Butoxyethoxy)Ethyl Acetate; DGMBEA; Butoxyethoxyethyl acetate		IH-DGMBEA-OSHA 83M-IH6111	85	Routine	9.70	ug	87IH005	0.1	1	87IH028			
124-17-4	Single		Diethylene Glycol Monobutyl Ether Acetate	OSHA 83M	Badge	2-(2-Butoxyethoxy)Ethyl Acetate; DGMBEA; Butoxyethoxyethyl acetate		IH-DGMBEA-OSHA 83M-IH6111	85	Routine	9.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
124-17-4	Single		Diethylene Glycol Monobutyl Ether Acetate	OSHA 99M	Badge	2-(2-Butoxyethoxy)Ethyl Acetate; DGMBEA; Butoxyethoxyethyl acetate		IH-DGMBEA-OSHA 99M-IH6093	85	Routine	9.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
124-17-4	Single		Diethylene Glycol Monobutyl Ether Acetate	EMSL In-House Method; SOP VOCs by GC	Badge	2-(2-Butoxyethoxy)Ethyl Acetate; DGMBEA; Butoxyethoxyethyl acetate		IH-DGMBEA-EMSL InHouse Method-IH7031	85	Routine	3.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
124-17-4	Single		Diethylene Glycol Monobutyl Ether Acetate	OSHA 99M	Tubes	2-(2-Butoxyethoxy)Ethyl Acetate; DGMBEA; Butoxyethoxyethyl acetate		IH-DGMBEA-OSHA 99M-IH6093	85	Routine	9.70	ug	87IH005	0.1	1	87IH028			
112-15-2	Single		Diethylene Glycol Monoethyl Ether Acetate	OSHA 83M	Tubes	2-(2-Ethoxyethoxy)ethyl Acetate; DGMEA		IH-DGMEEA-OSHA 83M-IH6113	16	Routine, sample separate from aliphatic and aromatic hydrocarbons	9.70	ug	87IH005	0.1	1	87IH028			



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112-15-2	Single		Diethylene Glycol Monoethyl Ether Acetate	OSHA 83M	Badge	2-(2-Ethoxyethoxy)ethyl Acetate; DGMEA		IH-DGMEEA-OSHA 83M-IH6113	16	Routine, sample separate from aliphatic and aromatic hydrocarbons	9.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
112-15-2	Single		Diethylene Glycol Monoethyl Ether Acetate	OSHA 99M	Tubes	2-(2-Ethoxyethoxy)ethyl Acetate; DGMEA		IH-DGMEEA-OSHA 99M-IH6095	16	Routine, sample separate from aliphatic and aromatic hydrocarbons	9.70	ug	87IH005	0.1	1	87IH028			
112-15-2	Single		Diethylene Glycol Monoethyl Ether Acetate	OSHA 99M	Badge	2-(2-Ethoxyethoxy)ethyl Acetate; DGMEA		IH-DGMEEA-OSHA 99M-IH6095	16	Routine, sample separate from aliphatic and aromatic hydrocarbons	9.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
112-15-2	Single		Diethylene Glycol Monoethyl Ether Acetate	EMSL In-House Method; SOP VOCs by GC	Tubes	2-(2-Ethoxyethoxy)ethyl Acetate; DGMEA		IH-DGMEEA-EMSL InHouse Method-IH7039	16	Routine, sample separate from aliphatic and aromatic hydrocarbons	3.00	ug	87IH005	0.1	1	87IH028			
112-15-2	Single		Diethylene Glycol Monoethyl Ether Acetate	EMSL In-House Method; SOP VOCs by GC	Badge	2-(2-Ethoxyethoxy)ethyl Acetate; DGMEA		IH-DGMEEA-EMSL InHouse Method-IH7039	16	Routine, sample separate from aliphatic and aromatic hydrocarbons	3.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
111-77-3	Single		Diethylene Glycol Monomethyl Ether	OSHA 83M	Tubes	2-(2-Methoxyethoxy)Ethanol; DEGME		IH-DEGME-OSHA 83M-IH6114	16.5	Routine, sample separate from aliphatic and aromatic hydrocarbons	9.70	ug	87IH005	0.1	1	87IH028			
111-77-3	Single		Diethylene Glycol Monomethyl Ether	OSHA 83M	Badge	2-(2-Methoxyethoxy)Ethanol; DEGME		IH-DEGME-OSHA 83M-IH6114	16.5	Routine, sample separate from aliphatic and aromatic hydrocarbons	9.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
111-77-3	Single		Diethylene Glycol Monomethyl Ether	EMSL In-House Method; SOP VOCs by GC	Tubes	2-(2-Methoxyethoxy)Ethanol; DEGME		IH-DEGME-EMSL InHouse Method-IH7040	16.5	Routine, sample separate from aliphatic and aromatic hydrocarbons	3.00	ug	87IH005	0.10	1	87IH028			
111-77-3	Single		Diethylene Glycol Monomethyl Ether	EMSL In-House Method; SOP VOCs by GC	Badge	2-(2-Methoxyethoxy)Ethanol; DEGME		IH-DEGME-EMSL InHouse Method-IH7040	16.5	Routine, sample separate from aliphatic and aromatic hydrocarbons	3.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
111-77-3	Single		Diethylene Glycol Monomethyl Ether	OSHA 99M	Badge	2-(2-Methoxyethoxy)Ethanol; DEGME		IH-DEGME-OSHA 99M-IH6096	16.5	Routine, sample separate from aliphatic and aromatic hydrocarbons	9.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
111-77-3	Single		Diethylene Glycol Monomethyl Ether	OSHA 99M	Tubes	2-(2-Methoxyethoxy)Ethanol; DEGME		IH-DEGME-OSHA 99M-IH6096	16.5	Routine, sample separate from aliphatic and aromatic hydrocarbons	9.70	ug	87IH005	0.10	1	87IH028			
108-83-8	Single		Diisobutyl Ketone	EMSL In-House Method; SOP VOCs by GC	Tubes	2,6-Dimethyl-4-Heptanone		IH-Diisobutyl Ketone-EMSL InHouse Method-IH7041	290	Routine	2.86	ug	87IH005	0.20	10	87IH028			
108-83-8	Single		Diisobutyl Ketone	NIOSH 1300	Badge	2,6-Dimethyl-4-Heptanone		IH1302 - Diisobutyl ketone	290	Routine Interferences: None identified	8.10	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
108-83-8	Single		Diisobutyl Ketone	NIOSH 1300	Tubes	2,6-Dimethyl-4-Heptanone		IH1302 - Diisobutyl ketone	290	Routine Interferences: None identified	8.10	ug	87IH005	0.20	10	87IH028			
108-83-8	Single		Diisobutyl Ketone	EMSL In-House Method; SOP VOCs by GC	Badge	2,6-Dimethyl-4-Heptanone		IH-Diisobutyl Ketone-EMSL InHouse Method-IH7041	290	Routine	2.86	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
131-11-3	Single		Dimethyl Phthalate	OSHA 104	Tubes	DMP; Solvarone; Solvanom	Phthalate Esters	IH-Dimethyl Phthalate-OSHA 104-IH6087	5	Routine	0.10	ug	87IH005	1	240	87IH58			



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127-19-5	Single	N,N-	Dimethylacetamide	EMSL In-House Method; SOP VOCs by GC	Badge	Dimethylacetamide; DMAc; DMA		IH-nn-Dimethylacetamide-EMSL InHouse Method-IH7042	35	Routine	6.11	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
127-19-5	Single	N,N-	Dimethylacetamide	EMSL In-House Method; SOP VOCs by GC	Tubes	Dimethylacetamide; DMAc; DMA		IH-nn-Dimethylacetamide-EMSL InHouse Method-IH7042	35	Routine	6.11	ug	87IH005	0.20	1	87IH028			
108-01-0	Single	2-	Dimethylaminoethanol	EMSL In-House Method; SOP VOCs by GC	Tubes	DMEA; N,N-Dimethylethanolamine		IH-2-Dimethylaminoethanol-EMSL InHouse Method-IH7043	13.5	Routine	3.00	ug	87IH005	0.2	1	87IH028			
108-01-0	Single	2-	Dimethylaminoethanol	EMSL In-House Method; SOP VOCs by GC	Badge	DMEA; N,N-Dimethylethanolamine		IH-2-Dimethylaminoethanol-EMSL InHouse Method-IH7043	13.5	Routine	3.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
68-12-2	Single		Dimethylformamide	EMSL In-House Method; SOP VOCs by GC	Badge	N,N-Dimethylformamide		IH-Dimethylformamide-EMSL InHouse Method-IH7044	30	Routine	12.80	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
117-84-0	Single		Di-n-Octyl Phthalate	OSHA 104	Tubes	Diocyl Phthalate; DNOP	Phthalate Esters	IH-Di-n-Octyl Phthalate-OSHA 104-IH6091	Not Established	Routine	1.00	ug	87IH005	1	240	87IH58			
123-91-1	Single	1,4-	Dioxane	EMSL In-House Method; SOP VOCs by GC	Tubes	p-Dioxane		IH-1,4-Dioxane-EMSL InHouse Method-IH7045	360	Routine	3.00	ug	87IH005	0.2	1	87IH028			
123-91-1	Single	1,4-	Dioxane	EMSL In-House Method; SOP VOCs by GC	Badge	p-Dioxane		IH-1,4-Dioxane-EMSL InHouse Method-IH7045	360	Routine	3.18	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
123-19-3	Single		Dipropyl Ketone	NIOSH 1300	Tubes	4-Heptanone		IH1303 - Dipropyl ketone	235	Routine Interferences: None identified	8.20	ug	87IH005	0.20	1	87IH028			
123-19-3	Single		Dipropyl Ketone	NIOSH 1300	Badge	4-Heptanone		IH1303 - Dipropyl ketone	235	Routine Interferences: None identified	8.20	ug	N/A	N/A	N/A	87IH070			
34590-94-8	Single		Dipropylene Glycol Methyl Ether	OSHA 83M	Tubes	DPGME	.	IH-DPGME-OSHA 83M-IH6115	605	Routine, sample separate from aliphatic and aromatic hydrocarbons	9.70	ug	87IH005	0.10	1	87IH028			
34590-94-8	Single		Dipropylene Glycol Methyl Ether	OSHA 83M	Badge	DPGME	.	IH-DPGME-OSHA 83M-IH6115	605	Routine, sample separate from aliphatic and aromatic hydrocarbons	9.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	87IH192
34590-94-8	Single		Dipropylene Glycol Methyl Ether	EMSL In-House Method; SOP VOCs by GC	Tubes	DPGME		IH-DPGME-EMSL InHouse Method-IH7046	605	Routine, sample separate from aliphatic and aromatic hydrocarbons	2.65	ug	87IH005	0.1	1	87IH028	87IH070	87IH177	
34590-94-8	Single		Dipropylene Glycol Methyl Ether	EMSL In-House Method; SOP VOCs by GC	Badge	DPGME		IH-DPGME-EMSL InHouse Method-IH7046	605	Routine, sample separate from aliphatic and aromatic hydrocarbons	44.60	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
34590-94-8	Single		Dipropylene Glycol Methyl Ether	OSHA 99M	Tubes	DPGME	.	IH-DPGME-OSHA 99M-IH6097	605	Routine, sample separate from aliphatic and aromatic hydrocarbons	9.70	ug	87IH005	0.1	1	87IH028			
34590-94-8	Single		Dipropylene Glycol Methyl Ether	OSHA 99M	Badge	DPGME	.	IH-DPGME-OSHA 99M-IH6097	605	Routine, sample separate from aliphatic and aromatic hydrocarbons	9.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	87IH192



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88917-22-0	Single		Dipropylene Glycol Methyl Ether Acetate	EMSL In-House Method; SOP VOCs by GC	Badge	DPMac; DPGMEA		IH-DPGMEA-EMSL InHouse Method-IH7047	775	(Exposure Values for DGPME Used) Routine, sample separate from aliphatic and aromatic hydrocarbons	3.08	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
88917-22-0	Single		Dipropylene Glycol Methyl Ether Acetate	OSHA 83M	Tubes	DPMac; DPGMEA		IH-DPGMEA-OSHA 83M-IH6116	775	(Exposure Values for DGPME Used) Routine, sample separate from aliphatic and aromatic hydrocarbons	9.70	ug	87IH005	0.10	1	87IH028			
88917-22-0	Single		Dipropylene Glycol Methyl Ether Acetate	OSHA 83M	Badge	DPMac; DPGMEA		IH-DPGMEA-OSHA 83M-IH6116	775	(Exposure Values for DGPME Used) Routine, sample separate from aliphatic and aromatic hydrocarbons	9.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
88917-22-0	Single		Dipropylene Glycol Methyl Ether Acetate	OSHA 99M	Badge	DPMac; DPGMEA		IH-DPGMEA-OSHA 99M-IH6098	775	(Exposure Values for DGPME Used) Routine, sample separate from aliphatic and aromatic hydrocarbons	9.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
88917-22-0	Single		Dipropylene Glycol Methyl Ether Acetate	OSHA 99M	Tubes	DPMac; DPGMEA		IH-DPGMEA-OSHA 99M-IH6098	775	(Exposure Values for DGPME Used) Routine, sample separate from aliphatic and aromatic hydrocarbons	9.70	ug	87IH005	0.1	1	87IH028			
112-40-3	Single		Dodecane	EMSL In-House Method; SOP VOCs by GC	Tubes	n-Dodecane		IH-Dodecane-EMSL InHouse Method-IH7141	12	Routine	3.00	ug	87IH005	0.2	1	87IH028			
112-40-3	Single		Dodecane	EMSL In-House Method; SOP VOCs by GC	Badge	n-Dodecane		IH-Dodecane-EMSL InHouse Method-IH7141	12	Routine	3.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
None	Single		Dust - Ambient Air, PM10	40CFR50, Appendix J	Filter	PM10		IH-0400 Airborne Dust	0.15	Do Not Mix Up Filters Avoid contamination	100.00	ug	N/A	varies	667	87IH166			
None	Single		Dust - Ambient Air, PM2.5	40CFR50, Appendix L	Air	PM 2.5		IH-0200 Airborne Dust	0.035	Do Not Mix Up Filters Avoid contamination	100.00	ug	N/A	varies	2857	87IH166			
None	Single		Dust - Ambient Air, TSP	40CFR50, Appendix B	Air	TSP		IH-0300 Airborne Dust	0.26	Do Not Mix Up Filters Avoid contamination	100.00	ug	N/A		385	87IH166			
None	Single		Dust - Indoor Air, PM10	EPA IP-10A	Air	PM10		IH-0400 Airborne Dust	0.05	Sampling with PEM for 4 hours at 10 lpm (Typical) AVOID CONTAMINATION	2.00	ug	87IH090	10	2400	87IH166			
None	Single		Dust - Indoor Air, PM2.5, Indoor IAQ	EPA IP-10A	Air	PM 2.5		IH-0200 Airborne Dust	0.05	Sampling with PEM for 4 hours at 10 lpm (Typical) AVOID CONTAMINATION	2.00	ug	87IH090	10	2400	87IH091			
None	Single		Dust - NADCA, Surface (Gravimetric, Total)	Gravimetric Analysis	Cassettes	N/A		IH NADCA	0.75	Use Template and Procedure Specified By NADCA	50.00	mg/100cm ²	87IH252	15	100 cm ²	8715315			



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None	Single		Dust – Respirable Dust, Air	NIOSH 0600	Cassettes	PNOR-Respirable; Respirable Dust		IH-0600 Nuisance Dust	5	Routine, Use Respirable ISO/CEN Sampler, Limit loading to <2 mg	50.00	ug	87IH002	2.5	10	8715500			
None	Single		Dust – Total Dust, Air	NIOSH 0500	Cassettes	PNOR-Total; Total Dust		IH-0500 Nuisance Dust	15	Routine, Limit loading to <2 mg	50.00	ug	87IH001	2.0	10	8715500	8715315		
13838-16-9	Single		Enflurane	OSHA 103M	Tubes	2-chloro-1,1,2,-trifluoroethyl-difluoromethyl ether	Waste Anesthetic Gases (WAGs)	IH-Enflurane-OSHA 103M-IH6062	15.1	Ship and store samples refrigerated.	10.00	ug	87IH005	0.050	1	87IH111			
13838-16-9	Single		Enflurane	OSHA 103M	Badge	2-chloro-1,1,2,-trifluoroethyl-difluoromethyl ether	Waste Anesthetic Gases (WAGs)	IH-Enflurane-OSHA 103M-IH6062	15.1	Ship and store samples refrigerated.	10.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
106-89-8	Single		Epichlorohydrin	EMSL In-House Method; SOP VOCs by GC	Badge	2-(Chloromethyl)Oxirane		IH-Epichlorohydrin-EMSL InHouse Method-IH7048	19	Routine	3.54	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
106-89-8	Single		Epichlorohydrin	EMSL In-House Method; SOP VOCs by GC	Tubes	2-(Chloromethyl)Oxirane		IH-Epichlorohydrin-EMSL InHouse Method-IH7048	19	Routine	3.00	ug	87IH005	0.2	1	87IH028			
64-17-5	Single		Ethanol	NIOSH 1400M	Tubes	Ethyl Alcohol; Methylcarbinol; Alcohol		IH1405 - Ethanol	1885	Samples must be shipped cold overnight and stored frozen. Interferences: None identified	7.90	ug	87IH005	0.050	1	87IH028			
64-17-5	Single		Ethanol	EMSL In-House Method; SOP VOCs by GC	Badge	Ethyl Alcohol; Methylcarbinol; Alcohol		IH-Ethanol-EMSL InHouse Method-IH7049	1885	Routine	44.60	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
64-17-5	Single		Ethanol	NIOSH 1400M	Badge	Ethyl Alcohol; Methylcarbinol; Alcohol		IH1405 - Ethanol	1885	Samples must be shipped cold overnight and stored frozen. Interferences: None identified	7.90	ug	N/A	N/A	N/A	87IH069	87IH070	87IH174	
141-43-5	Single		Ethanolamine	OSHA PV2111	Tubes	2-aminoethanol; β-aminoethyl alcohol; ethylamine; 2-hydroxyethylamine; monoethanolamine		IH-Ethanolamine	6.3		10.00	ug			10	87IH047		Low Flow Pump	0.01-0.05
763-69-9	Single		Ethyl 3-ethoxypropionate	EMSL In-House Method; SOP VOCs by GC	Badge	Ethyl 3-Ethoxypropionate		IH-Ethyl-3,3-Ethoxypropionate-EMSL InHouse Method-IH7057	9.5	Routine	2.94	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
141-78-6	Single		Ethyl Acetate	EMSL In-House Method; SOP VOCs by GC	Tubes	Ethyl Ethanoate; EtOAc; ETAC; EA		IH-Ethyl Acetate-EMSL InHouse Method-IH7051	1440	Ship and store samples refrigerated.	8.57	ug	87IH005	0.20	1	87IH028			
141-78-6	Single		Ethyl Acetate	NIOSH 1457	Tubes	Ethyl Ethanoate; EtOAc; ETAC; EA	Organic Scan Profile	IH1457 - Ethyl Acetate	1440	Protect from heat, ship cold (5C). Interferences: None identified	9.00	ug	87IH005	0.20	1	87IH028			
141-78-6	Single		Ethyl Acetate	NIOSH 1457	Badge	Ethyl Ethanoate; EtOAc; ETAC; EA	Organic Scan Profile	IH1457 - Ethyl Acetate	1440	Protect from heat, ship cold (5C). Interferences: None identified	9.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH174	
141-78-6	Single		Ethyl Acetate	EMSL In-House Method; SOP VOCs by GC	Badge	Ethyl Ethanoate; EtOAc; ETAC; EA		IH-Ethyl Acetate-EMSL InHouse Method-IH7051	1440	Ship and store samples refrigerated.	3.09	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	



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140-88-5	Single		Ethyl Acrylate	EMSL In-House Method; SOP VOCs by GC	Tubes	Ethyl Propenoate		IH-Ethyl Acrylate-EMSL InHouse Method-IH7052	91	Ship and store samples refrigerated.	3.26	ug	87IH005	0.20	1	87IH028			
140-88-5	Single		Ethyl Acrylate	EMSL In-House Method; SOP VOCs by GC	Badge	Ethyl Propenoate		IH-Ethyl Acrylate-EMSL InHouse Method-IH7052	91	Ship and store samples refrigerated.	3.08	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
100-41-4	Single		Ethyl Benzene	NIOSH 1501M	Tubes	Pehnylethane; Ethylbenzol	Hydrocarbon, Aromatic Profile	IH1518 - Ethyl Benzene	435	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	8.70	ug	87IH005	0.10	1	87IH028			
100-41-4	Single		Ethyl Benzene	EMSL In-House Method; SOP VOCs by GC	Badge	Pehnylethane; Ethylbenzol	Organic Scan Profile	IH-Ethylbenzene-EMSL InHouse Method-IH7053	435	Routine	2.88	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
100-41-4	Single		Ethyl Benzene	NIOSH 1501M	Badge	Pehnylethane; Ethylbenzol	Hydrocarbon, Aromatic Profile	IH1518 - Ethyl Benzene	435	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	8.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
106-35-4	Single		Ethyl Butyl Ketone	EMSL In-House Method; SOP VOCs by GC	Tubes	3-Heptanone		IH-Ethyl Butyl Ketone-EMSL InHouse Method-IH7054	232	Routine	3.00	ug	87IH005	0.050	1	87IH028			
106-35-4	Single		Ethyl Butyl Ketone	NIOSH 1301	Tubes	3-Heptanone		IH1304 - Ethyl butyl ketone	232	Routine Interferences: None identified	8.20	ug	87IH005	0.050	1	87IH028			
106-35-4	Single		Ethyl Butyl Ketone	NIOSH 1301	Badge	3-Heptanone		IH1304 - Ethyl butyl ketone	232	Routine Interferences: None identified	8.20	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
106-35-4	Single		Ethyl Butyl Ketone	EMSL In-House Method; SOP VOCs by GC	Badge	3-Heptanone		IH-Ethyl Butyl Ketone-EMSL InHouse Method-IH7054	232	Routine	3.16	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
60-29-7	Single		Ethyl Ether	OSHA 07	Badge	Diethyl Ether; Ether		IH0007 - Diethyl ether	1212	Routine shipment, store refrigerated. Interferences: None identified	7.10	ug	N/A	N/A	N/A	87IH069	87IH070	87IH174	
60-29-7	Single		Ethyl Ether	NIOSH 1610	Tubes	Diethyl Ether; Ether		IH0008 - Ethyl ether	1212	Routine shipment, store refrigerated. Interferences: None identified	7.10	ug	87IH005	0.10	1	87IH028			
60-29-7	Single		Ethyl Ether	NIOSH 1610	Badge	Diethyl Ether; Ether		IH0008 - Ethyl ether	1212	Routine shipment, store refrigerated. Interferences: None identified	7.10	ug	N/A	N/A	N/A	87IH069	87IH070	87IH174	
60-29-7	Single		Ethyl Ether	OSHA 07	Tubes	Diethyl Ether; Ether		IH0007 - Diethyl ether	1212	Routine shipment, store refrigerated. Interferences: None identified	7.10	ug	87IH005	0.10	1	87IH028			
60-29-7	Single		Ethyl Ether	EMSL In-House Method; SOP VOCs by GC	Badge	Diethyl Ether		IH-Ethyl Ether-EMSL InHouse Method-IH7055	1212	Routine shipment, store refrigerated. Interferences: None identified	2.13	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
109-94-4	Single		Ethyl Formate	EMSL In-House Method; SOP VOCs by GC	Badge	Areginal; Ethyl Methanoate		IH-Ethyl Formate-EMSL InHouse Method-IH7056	302	Routine	3.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
107-21-1	Single		Ethylene Glycol	NIOSH 5523	Tubes	1,2-Ethanediol		IH5523 - Ethylene glycol	63	Ship and store samples refrigerated.	50.00	ug	87IH023	1.0	1	87IH108			



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110-80-5	Single		Ethylene Glycol Monoethyl Ether (EGMEE)	EMSL In-House Method; SOP VOCs by GC	Badge	2-Ethoxyethanol		IH-EGMEE-EMSL InHouse Method-IH7058	739	Routine	5.18	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
110-80-5	Single		Ethylene Glycol Monoethyl Ether (EGMEE)	OSHA 83M	Tubes	2-Ethoxyethanol		IH-EGMEE-OSHA 83M-IH6117	739	Routine	9.70	ug	87IH005	0.1	1	87IH028			
110-80-5	Single		Ethylene Glycol Monoethyl Ether (EGMEE)	OSHA 83M	Badge	2-Ethoxyethanol		IH-EGMEE-OSHA 83M-IH6117	739	Routine	9.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
110-80-5	Single		Ethylene Glycol Monoethyl Ether (EGMEE)	OSHA 99M	Tubes	2-Ethoxyethanol		IH-EGMEE-OSHA 99M-IH6099	739	Routine	9.70	ug	87IH005	0.10	1	87IH028			
110-80-5	Single		Ethylene Glycol Monoethyl Ether (EGMEE)	OSHA 99M	Badge	2-Ethoxyethanol		IH-EGMEE-OSHA 99M-IH6099	739	Routine	9.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
111-15-9	Single		Ethylene Glycol Monoethyl Ether Acetate	EMSL In-House Method; SOP VOCs by GC	Tubes	2-Ethoxyethyl Acetate		IH-2-Ethoxyethyl Acetate-EMSL InHouse Method-IH7050	540	Routine	6.00	ug	87IH005	0.1	1	87IH028			
111-15-9	Single		Ethylene Glycol Monoethyl Ether Acetate	OSHA 83M	Tubes	2-Ethoxyethyl Acetate		IH-2-Ethoxyethyl Acetate-OSHA 83M-IH6121	540	Routine	9.70	ug	87IH005	0.1	1	87IH028			
111-15-9	Single		Ethylene Glycol Monoethyl Ether Acetate	OSHA 83M	Badge	2-Ethoxyethyl Acetate		IH-2-Ethoxyethyl Acetate-OSHA 83M-IH6121	540	Routine	9.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
111-15-9	Single		Ethylene Glycol Monoethyl Ether Acetate	OSHA 99M	Tubes	2-Ethoxyethyl Acetate		IH-2-Ethoxyethyl Acetate-OSHA 99M-IH6103	540	Routine	9.70	ug	87IH005	0.10	1	87IH028			
111-15-9	Single		Ethylene Glycol Monoethyl Ether Acetate	OSHA 99M	Badge	2-Ethoxyethyl Acetate		IH-2-Ethoxyethyl Acetate-OSHA 99M-IH6103	540	Routine	9.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
111-15-9	Single		Ethylene Glycol Monoethyl Ether Acetate	EMSL In-House Method; SOP VOCs by GC	Badge	2-Ethoxyethyl Acetate		IH-2-Ethoxyethyl Acetate-EMSL InHouse Method-IH7050	540	Routine	6.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
109-86-4	Single		Ethylene Glycol Monomethyl Ether (EGMME)	OSHA 99M	Badge	2-Methoxyethanol		IH-EGMME-OSHA 99M-IH6100	80	Routine	9.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
109-86-4	Single		Ethylene Glycol Monomethyl Ether (EGMME)	NIOSH 1403	Tubes	2-Methoxyethanol		IH1409 - 2-Methoxyethanol	80	Routine shipment, store frozen. Interferences: None identified	9.70	ug	87IH005	0.10	1	87IH028			
109-86-4	Single		Ethylene Glycol Monomethyl Ether (EGMME)	NIOSH 1403	Badge	2-Methoxyethanol		IH1409 - 2-Methoxyethanol	80	Routine shipment, store frozen. Interferences: None identified	9.70	ug	N/A	N/A	N/A	87IH070		87IH177	
109-86-4	Single		Ethylene Glycol Monomethyl Ether (EGMME)	OSHA 83M	Tubes	2-Methoxyethanol		IH-EGMME-OSHA 83M-IH6118	80	Routine	9.70	ug	87IH005	0.1	1	87IH028			
109-86-4	Single		Ethylene Glycol Monomethyl Ether (EGMME)	OSHA 83M	Badge	2-Methoxyethanol		IH-EGMME-OSHA 83M-IH6118	80	Routine	9.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
109-86-4	Single		Ethylene Glycol Monomethyl Ether (EGMME)	EMSL In-House Method; SOP VOCs by GC	Badge	2-Methoxyethanol		IH-EGMME-EMSL InHouse Method-IH7059	80	Routine	6.16	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
109-86-4	Single		Ethylene Glycol Monomethyl Ether (EGMME)	OSHA 99M	Tubes	2-Methoxyethanol		IH-EGMME-OSHA 99M-IH6100	80	Routine	9.70	ug	87IH005	0.10	1	87IH028			
75-21-8	Single		Ethylene Oxide	OSHA 1010 V2 Modified	Tubes	Epoxyethane; Oxirane; ETO		Ethylene Oxide	2	Ship and store samples refrigerated.	2.10	ug	87IH005	0.050	2	87IH102			
75-21-8	Single		Ethylene Oxide	EMSL In-House Method; ETO and PO by GC SOP	Badge	Epoxyethane; Oxirane; ETO		IH-Ethylene Oxide-EMSL InHouse Method-IH7060	2	Ship and store samples refrigerated.	3.00	ug	N/A	N/A	N/A	87IH210			
103-09-3	Single	2-	Ethylhexyl Acetate	EMSL In-House Method; SOP VOCs by GC	Badge	2-Ethylhexyl Ethanoate		IH-2-Ethylhexyl Acetate-EMSL InHouse Method-IH7061	Not Established	Routine	2.94	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	



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206-44-0	Single		Fluoranthene	NIOSH 5506M	Air (Cassette + Tube)	Benzo[jk]fluorene; 1,2-Benzacenaphthene	PAH - Full List	IH-Fluoranthene-NIOSH 5506-IH6032	0.2	Protect from light and heat. Wrap in foil, ship refrigerated (0C).	0.31	ug	87IH012	2	200	87IH043			
86-73-7	Single		Fluorene	NIOSH 5506M	Air (Cassette + Tube)	Diphenylenemethane; 9H-Fluorene	PAH - Full List	IH-Fluorene-NIOSH 5506-IH6033	0.2	Protect from light and heat. Wrap in foil, ship refrigerated (0C).	0.63	ug	87IH012	2	200	87IH043			
50-00-0	Single		Formaldehyde	NIOSH 2016M	Tubes	Formalin; Formol; Methanal; Methylene Oxide	Aldehyde Profile	IH2016 - Formaldehyde	0.92	Protect from heat. Store in freezer, ship cold (5C). Interferences: ozone	0.05	ug	87IH006	0.30	15	87IH030			
50-00-0	Single		Formaldehyde	EMSL In-House Method; SOP IH Formaldehyde	Badge	Formalin; Formol; Methanal; Methylene Oxide		IH-Formaldehyde-EMSL InHouse Method-IH7062	0.92	Routine	0.80	ug	N/A	N/A	N/A	87IH077			
50-00-0	Single		Formaldehyde	OSHA 1007	Badge	Formalin; Formol; Methanal; Methylene Oxide		IH-Formaldehyde-OSHA 1007-IH6055	0.92	Protect from heat. Store in freezer, ship cold (5C). Interferences: ozone	0.10	ug	N/A	N/A	N/A	87IH034	87IH216		
50-00-0	Single		Formaldehyde	NIOSH 3500	Badge	Formalin; Formol; Methanal; Methylene Oxide		IH-Formaldehyde-NIOSH 3500-IH6054	0.92	Routine	1.50	ug	N/A	N/A	N/A	87IH034			
50-00-0	Single		Formaldehyde	NIOSH 2016M	Badge	Formalin; Formol; Methanal; Methylene Oxide	Aldehyde Profile	IH2016B - Formaldehyde	0.92	Protect from heat. Store in freezer, ship cold (5C). Interferences: ozone	0.05	ug	N/A	N/A	N/A	87IH034	87IH215	87IH151	
50-00-0	Single		Formaldehyde (Free)	Formaldehyde (Free) by Dry Bulk/ HPLC	Bulk	Formalin; Formol; Methanal; Methylene Oxide		IH2016DB	0.92	Routine	0.50	ug/g	N/A	N/A	N/A	N/A			
50-00-0	Single		Formaldehyde (Free)	Formaldehyde - Dry Bulk/Impinger / HPLC	Bulk	Formalin; Formol; Methanal; Methylene Oxide		IH-Formal.,Free(DB/Impinger)-InHouseMethod-IH6086	0.92	Routine	0.50	ug	N/A	N/A	N/A	N/A			
50-00-0	Single		Formaldehyde (Free)	Formaldehyde - Dry Bulk/Small Chamber / ASTM D6007	Bulk	Formalin; Formol; Methanal; Methylene Oxide		IH-Formal.,Free(DB/Small Cham)-ASTM D6007-IH6001	0.92	Routine	0.50	ppb / ug/m ³ /hr	N/A	N/A	N/A	N/A			
50-00-0	Single		Formaldehyde (Total)	Formaldehyde - Wet Bulk/High-Temperature Treatment / HPLC	Bulk	Formalin; Formol; Methanal; Methylene Oxide		IH2016HT Formaldehyde Wet Bulk & High Temp	0.92	Routine	0.50	ug/g	N/A	N/A	N/A	N/A			
98-01-1	Single		Furfural	EMSL In-House Method; SOP VOCs by GC	Badge	2-Furaldehyde		IH-Furfural-EMSL InHouse Method-IH7063	20	Routine	2.78	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
111-30-8	Single		Glutaraldehyde	NIOSH 2532	Tubes	Pentanedral; Glutaral		IH-Glutaraldehyde-NIOSH 2532-IH6016	0.8	Protect from heat. Store in freezer, ship cold (5C).	0.05	ug	87IH005	0.3	15	87IH030			
111-30-8	Single		Glutaraldehyde	NIOSH 2532	Badge	Pentanedral; Glutaral		IH-Glutaraldehyde-NIOSH 2532-IH6016	0.8	Protect from heat. Store in freezer, ship cold (5C).	0.05	ug	N/A	N/A	N/A	87IH034	87IH215	87IH151	
111-30-8	Single		Glutaraldehyde	OSHA 64	Cassettes	Pentanedral; Glutaral		IH-Glutaraldehyde-OSHA 64-IH6074	0.8	Protect from heat. Store in freezer, ship cold (5C).	0.20	ug	87IH265	1.0	15	87IH054			
111-30-8	Single		Glutaraldehyde	OSHA 64	Badge	Pentanedral; Glutaral		IH-Glutaraldehyde-OSHA 64-IH6074	0.8	Protect from heat. Store in freezer, ship cold (5C).	0.20	ug	N/A	N/A	N/A	87IH215			



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151-67-7	Single		Halothane	OSHA 103M	Tubes	Fluothane; Narcotane; Rhodiolothan	Waste Anesthetic Gases (WAGs)	IH-Halothane-OSHA 103M-IH6063	16	Ship and store samples refrigerated.	10.00	ppm	87IH005	0.05	12	87IH111			
151-67-7	Single		Halothane	OSHA 103M	Badge	Fluothane; Narcotane; Rhodiolothan	Waste Anesthetic Gases (WAGs)	IH-Halothane-OSHA 103M-IH6063	16	Ship and store samples refrigerated.	10.00	ppm	N/A	N/A	N/A	87IH069	87IH070	87IH177	
142-82-5	Single		Heptane	NIOSH 1500M	Tubes	n-Heptane		IH1516 - Heptane	2050	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	6.80	ug	87IH005	0.20	1	87IH028			
142-82-5	Single		Heptane	NIOSH 1500M	Badge	n-Heptane		IH1516 - Heptane	2050	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	6.80	ug	N/A	N/A	N/A	87IH069	87IH070	87IH174	
142-82-5	Single		Heptane	EMSL In-House Method; SOP VOCs by GC	Tubes	n-Heptane		IH-n-Heptane-EMSL InHouse Method-IH7065	2050	Routine	2.94	ug	87IH005	0.20	1	87IH028			
142-82-5	Single		Heptane	EMSL In-House Method; SOP VOCs by GC	Badge	n-Heptane		IH-n-Heptane-EMSL InHouse Method-IH7065	2050	Routine	2.88	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
822-06-0	Single		Hexamethylene Diisocyanate	OSHA 42/47M	Cassettes	1,6-Diisocyanatohexane; HMDI	Diisocyanate Profile	IH0042 - HDI	0.035	Media must be shipped cold overnight and stored frozen. Samples must be shipped refrigerated.	0.10	ug	87IH019	1.0	15	87IH048			
110-54-3	Single	n-	Hexane	NIOSH 1500M	Tubes	Hexane		IH1504 - n-hexane	1800	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	6.60	ug	87IH005	0.20	1	87IH028			
110-54-3	Single	n-	Hexane	NIOSH 1500M	Badge	Hexane		IH1504 - n-hexane	1800	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	6.60	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
110-54-3	Single	n-	Hexane	EMSL In-House Method; SOP VOCs by GC	Tubes	Hexane		IH-n-Hexane-EMSL InHouse Method-IH7066	1800	Routine	0.10	ug	87IH005	0.20	1	87IH028			
110-54-3	Single	n-	Hexane	EMSL In-House Method; SOP VOCs by GC	Badge	Hexane		IH-n-Hexane-EMSL InHouse Method-IH7066	1800	Routine	5.66	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
591-78-6	Single	2-	Hexanone	EMSL In-House Method; SOP VOCs by GC	Tubes	Methyl Butyl Ketone; MBK		IH-2-Hexanone-EMSL InHouse Method-IH7067	410	Ship and store samples refrigerated.	3.00	ug	87IH005	0.20	1	87IH028			
591-78-6	Single	2-	Hexanone	NIOSH 1300	Tubes	Methyl Butyl Ketone; MBK	Organic Scan Profile	IH-2-Hexanone-NIOSH 1300-IH6006	410	Ship and store samples refrigerated. Interferences: None identified	8.10	ug	87IH005	0.20	1	87IH028			
591-78-6	Single	2-	Hexanone	NIOSH 1300	Badge	Methyl Butyl Ketone; MBK	Organic Scan Profile	IH-2-Hexanone-NIOSH 1300-IH6006	410	Ship and store samples refrigerated. Interferences: None identified	8.10	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	



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591-78-6	Single	2-	Hexanone	EMSL In-House Method; SOP VOCs by GC	Badge	Methyl Butyl Ketone; MBK		IH-2-Hexanone-EMSL InHouse Method-IH7067	410	Ship and store samples refrigerated.	2.95	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
163702-08-7	Single		HFE 7100	EMSL In-House Method; SOP VOCs by GC	Badge	Methoxyperfluorobutane; Nonalphafluoromethoxybutane		IH-HFE 7100-EMSL InHouse Method-IH7068	25564	Routine	3.05	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
163702-06-5	Single		HFE 7200	EMSL In-House Method; SOP VOCs by GC	Badge	Ethoxy-nonafluorobutane		IH-HFE 7200-EMSL InHouse Method-IH7069	27000	Routine	3.09	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
10035-10-6	Single		Hydrobromic Acid	NIOSH 7907	Cassettes	Hydrogen Bromide	Acid Profile, Volatile	IH-Hydrobromic Acid-NIOSH 7907-IH6045	10	Routine Shipment Particulate acids and salts are a positive interference	10.00	ug	87IH217	2.0	1	87IH175			
10035-10-6	Single		Hydrobromic Acid	OSHA ID-165SG	Tubes	Hydrogen Bromide		IH-Hydrobromic Acid-OSHA ID165SG-IH6079	10	Routine Shipment Particulate acids and salts are a positive interference	10.00	ug	87IH016	0.20	1	87IH039			
10035-10-6	Single		Hydrobromic Acid	NIOSH 7903	Tubes	Hydrogen Bromide	Acid Profile, Inorganic	IH0004 - Hydrobromic Acid	10	Routine Shipment Particulate acids and salts are a positive interference	10.00	ug	87IH016	0.20	1	87IH039			
7647-01-0	Single		Hydrochloric Acid	NIOSH 7903	Tubes	Hydrogen Chloride		IH0005 - Hydrochloric acid	7	Routine Shipment Particulate acids and salts are a positive interference	10.00	ug	87IH016	0.20	2	87IH031			
7647-01-0	Single		Hydrochloric Acid	NIOSH 7907	Cassettes	Hydrogen Chloride	Acid Profile, Volatile	IH-Hydrochloric Acid-NIOSH 7907-IH6107	7	Routine Shipment Particulate acids and salts are a positive interference	10.00	ug	87IH217	2.0	2	87IH175			
7664-39-3	Single		Hydrofluoric Acid	NIOSH 7906	Cassettes	Hydrogen Fluoride		IH7907 - Hydrofluoric Acid	2	Routine Shipment Particulate acids and salts are a positive interference	10.00	ug	87IH216	2.0	3	87IH176			
7664-39-3	Single		Hydrofluoric Acid	NIOSH 7903	Tubes	Hydrogen Fluoride		IH-Hydrofluoric Acid-NIOSH 7903-IH6042	2	Routine Shipment Particulate acids and salts are a positive interference	5.30	ug	87IH016	0.20	3	87IH031			
7722-84-1	Single		Hydrogen Peroxide	OSHA 1019	Cassettes	Perhydrol; Oxydol		IH-Hydrogen Peroxide-OSHA 1019-IH6060	1.4	Protect from light and heat. Wrap in foil, ship refrigerated.	4.20	ug	87IH694	2.0	1	87IH213			
7722-84-1	Single		Hydrogen Peroxide (Subcontract to Assay Technologies)	OSHA 1019	Badge	Perhydrol; Oxydol		IH-Hydrogen Peroxide-OSHA 1019-IH6060	1.4	Protect from light and heat. Wrap in foil, ship refrigerated.	4.20	ug	N/A	N/A	N/A	87IH112			
7783-06-4	Single		Hydrogen Sulfide	OSHA 1008	Tubes	Hydrosulfuric Acid; Sulfane		IH-Hydrogen Sulfide-OSHA 1008-IH6056	27.88	Ship and store samples refrigerated.	7.10	ug	87IH005	0.050	1	87IH087			
7783-06-4	Single		Hydrogen Sulfide	NIOSH 6013	Tubes	Hydrosulfuric Acid; Sulfane		IH-Hydrogen Sulfide-NIOSH 6013-IH6040	27.88	SO2 is a positive interference	3.60	ug	87IH021	0.20	1	87IH039			
193-39-5	Single		Indeno(1,2,3-cd)pyrene	NIOSH 5506M	Air (Cassette + Tube)	2,3-PhenylenePyrene; o-PhenylenePyrene	PAH - Full List	IH-Indeno(1,2,3-cd)pyrene-NIOSH 5506-IH6034	0.2	Protect from light and heat. Wrap in foil, ship refrigerated (O).	0.63	ug	87IH012	2	200	87IH043			
7439-89-6	Single		Iron (Fe)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A	Welding Fume	C-Metals by ICP	10	Routine	5.00	ug	87IH010	2.0	100	8715200	8715315		



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7439-89-6	Single		Iron (Fe)	NIOSH 7300M / NIOSH 7303M – ICP/MS	Cassettes	N/A	Welding Fume	C-Metals by ICP-MS	10	Routine	5.00	ug	87IH010	2.0	100	8715200	8715315		
7439-89-6	Single		Iron (Fe)	EPA 6010D	Wipe	N/A	Welding Fume	C-Metals by ICP	None for surfaces	Routine	5.00	ug/wipe	N/A	N/A	N/A	8708100			
123-92-2	Single		Isoamyl Acetate	NIOSH 1450	Tubes	3-Methylbutyl Acetate; Isopentyl Acetate		IH1452 - Isoamyl acetate	530	Protect from heat, ship cold (SC). Interferences: None identified	8.80	ug	87IH005	0.20	1	87IH028			
123-92-2	Single		Isoamyl Acetate	NIOSH 1450	Badge	3-Methylbutyl Acetate; Isopentyl Acetate		IH1452 - Isoamyl acetate	530	Protect from heat, ship cold (SC). Interferences: None identified	8.80	ug	N/A	N/A	N/A	87IH069	87IH070	87IH174	
123-51-3	Single		Isoamyl Alcohol	NIOSH 1402	Tubes	3-Methyl-1-Butanol; Isopentyl Alcohol		IH1406 - Isoamyl alcohol	360	Routine shipment, store frozen. Interferences: None identified	8.10	ug	87IH005	0.20	1	87IH028			
123-51-3	Single		Isoamyl Alcohol	NIOSH 1402	Badge	3-Methyl-1-Butanol; Isopentyl Alcohol		IH1406 - Isoamyl alcohol	360	Routine shipment, store frozen. Interferences: None identified	8.10	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
123-92-2	Single		Isoamyl Acetate	EMSL In-House Method; SOP VOCs by GC	Badge	3-Methylbutyl Acetate; Isopentyl Acetate		IH-Isoamyl Acetate-EMSL InHouse Method-IH7070	530	Ship and store samples refrigerated.	2.94	ug	N/A	N/A	1	87IH069	87IH070	87IH177	
110-19-0	Single		Isobutyl Acetate	EMSL In-House Method; SOP VOCs by GC	Tubes	2-Methylpropyl Acetate; Isobutyl Ethanoate		IH-Isobutyl Acetate-EMSL InHouse Method-IH7072	711	Ship and store samples refrigerated.	3.09	ug	87IH005	0.20	1	87IH028			
110-19-0	Single		Isobutyl Acetate	EMSL In-House Method; SOP VOCs by GC	Badge	2-Methylpropyl Acetate; Isobutyl Ethanoate		IH-Isobutyl Acetate-EMSL InHouse Method-IH7072	711	Ship and store samples refrigerated.	2.94	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
78-83-1	Single		Isobutyl Alcohol	EMSL In-House Method; SOP VOCs by GC	Tubes	Isobutanol; 2-Methyl-1-Propanol		IH-Isobutanol-EMSL InHouse Method-IH7071	302	Routine Shipment, Store samples refrigerated.	3.45	ug	87IH005	0.20	1	87IH028			
78-83-1	Single		Isobutyl Alcohol	NIOSH 1401	Badge	Isobutanol; 2-Methyl-1-Propanol		IH1407 - Isobutyl alcohol	302	Routine shipment, store frozen. Interferences: None identified	8.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
78-83-1	Single		Isobutyl Alcohol	NIOSH 1401	Tubes	Isobutanol; 2-Methyl-1-Propanol		IH1407 - Isobutyl alcohol	302	Routine shipment, store frozen. Interferences: None identified	10.00	ug	87IH005	0.20	1	87IH028			
78-83-1	Single		Isobutyl Alcohol	EMSL In-House Method; SOP VOCs by GC	Badge	Isobutanol; 2-Methyl-1-Propanol		IH-Isobutanol-EMSL InHouse Method-IH7071	302	Routine Shipment, Store samples refrigerated.	40.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
26675-46-7	Single		Isoflurane	EMSL In-House Method; SOP VOCs by GC	Tubes	Forane; 1-Chloro-2,2,2-trifluoroethyl difluoromethyl ether		IH-Isoflurane-EMSL InHouse Method-IH7073	15	Ship and store samples refrigerated.	2.97	ug	87IH005	0.05	1	87IH028			
26675-46-7	Single		Isoflurane	EMSL In-House Method; SOP VOCs by GC	Badge	Forane; 1-Chloro-2,2,2-trifluoroethyl difluoromethyl ether		IH-Isoflurane-EMSL InHouse Method-IH7073	15	Ship and store samples refrigerated.	6.74	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
26675-46-7	Single		Isoflurane	OSHA 103M	Tubes	Forane; 1-Chloro-2,2,2-trifluoroethyl difluoromethyl ether	Waste Anesthetic Gases (WAGs)	IH-Isoflurane-OSHA 103-IH6064	15	Ship and store samples refrigerated.	10.00	ug	87IH005	0.05	1	87IH111			



CAS Number	Test Type	Test Prefix	Test	Method	Matrix	Synonym(s)	Group Package	EMSL Test Code	OSHA PEL or Other Value mg/m3	Sampling Instructions / Interferences	Reporting Limit ug/sample	Default Reporting Units	EMSL Pump Kit ID	Default Flow Rate (lpm)	Volume (L)	EMSL Collection Media 1 Shopping Cart ID	EMSL Collection Media 2 Shopping Cart ID	Collection Media 3 EMSL Product ID	Collection Media 4 EMSL Product ID
26675-46-7	Single		Isoflurane	OSHA 103M	Badge	Forane; 1-Chloro-2,2,2-trifluoroethyl difluoromethyl ether	Waste Anesthetic Gases (WAGs)	IH-Isoflurane-OSHA 103-IH6064	15	Ship and store samples refrigerated.	10.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
540-84-1	Single		Isooctane	EMSL In-House Method; SOP VOCs by GC	Badge	2,2,4-Trimethylpentane		IH-Isooctane-EMSL InHouse Method-IH7074	1074	Routine	2.94	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
540-84-1	Single		Isooctane	EMSL In-House Method; SOP VOCs by GC	Tubes	2,2,4-Trimethylpentane		IH-Isooctane-EMSL InHouse Method-IH7074	1074	Routine	3.00	ug	87IH005	0.2	1	87IH028			
90622-57-4	Single		Isopar-G	EMSL In-House Method; SOP VOCs by GC	Tubes	2-Methyldecane, Naphtha (petroleum), hydrotreated heavy		IH-Isopar-G-EMSL InHouse Method-IH7075	1253	Routine	13.30	ug	87IH005	0.2	1	87IH028			
78-59-1	Single		Isophorone	EMSL In-House Method; SOP VOCs by GC	Badge	Isoacetophorone		IH-Isophorone-EMSL InHouse Method-IH7076	140	Routine	3.95	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
108-21-4	Single		Isopropyl Acetate	EMSL In-House Method; SOP VOCs by GC	Badge	2-Propyl Acetate; 2-Acetoxypropane		IH-Isopropyl Acetate-EMSL InHouse Method-IH7079	1043	Routine	2.94	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
67-63-0	Single		Isopropyl Alcohol	NIOSH 1400M	Tubes	Isopropanol; 2-Propanol; IPA		IH1408 - Isopropyl alcohol	983	Samples must be shipped cold overnight and stored frozen. Interferences: None identified	7.90	ug	87IH005	0.050	1	87IH028			
67-63-0	Single		Isopropyl Alcohol	EMSL In-House Method; SOP VOCs by GC	Badge	Isopropanol; 2-Propanol; IPA		IH-Isopropanol-EMSL InHouse Method-IH7077	983	Ship and store samples refrigerated.	20.30	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
67-63-0	Single		Isopropyl Alcohol	NIOSH 1400M	Badge	Isopropanol; 2-Propanol; IPA		IH1408 - Isopropyl alcohol	983	Samples must be shipped cold overnight and stored frozen. Interferences: None identified	7.90	ug	N/A	N/A	N/A	87IH070		87IH174	
67-63-0	Single		Isopropyl Alcohol	EMSL In-House Method; SOP VOCs by GC	Tubes	Isopropanol; 2-Propanol; IPA		IH-Isopropanol-EMSL InHouse Method-IH7077	983	Ship and store samples refrigerated.	7.14	ug	87IH005	0.2	1	87IH028			
67-63-0	Single		Isopropyl Alcohol	OSHA 109	Tubes	Isopropanol; 2-Propanol; IPA		IH-Isopropyl Alcohol-OSHA 109M-IH6068	983	Ship and store samples refrigerated.	7.90	ug	87IH005	0.2	1	87IH099			
67-63-0	Single		Isopropyl Alcohol	OSHA 5001	Tubes	Isopropanol; 2-Propanol; IPA		IH-Isopropyl Alcohol-OSHA 5001-IH6127	983	Ship and store samples refrigerated.	7.90	ug	87IH019	0.2	1	87IH099			
8008-20-6	Single		Kerosene	EMSL In-House Method; SOP VOCs by GC	Tubes	Petroleum		IH-Kerosene-InHouseMethod-IH7152	100	Routine	7.50	ug	87IH005	0.2	1	87IH028			
8008-20-6	Single		Kerosene	EMSL In-House Method; SOP VOCs by GC	Badge	Petroleum		IH-Kerosene-InHouseMethod-IH7152	100	Routine	7.50	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
7439-92-1	Single		Lead (Pb)	NIOSH 7082	Cassettes	N/A		C-Lead by FLAA	0.05	Routine	4.00	ug	87IH004	2.0	200	8715200	8715315		
7439-92-1	Single		Lead (Pb)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A	CAM 16; CAM 17; Welding Fume; Solder Fume; Priority Pollutant; RCRA	C-Metals by ICP	0.05	Routine	1.00	ug	87IH010	2.0	200	8715200	8715315		
7439-92-1	Single		Lead (Pb)	NIOSH 7300M / NIOSH 7303M – ICP/MS	Cassettes	N/A	CAM 16; CAM 17; Welding Fume; Solder Fume; Priority Pollutant; RCRA	C-Metals by ICP-MS	0.05	Routine	0.50	ug	87IH010	2.0	200	8715200	8715315		

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7439-92-1	Single		Lead (Pb)	EPA 6010D	Wipe	N/A	CAM 16; CAM 17; Welding Fume; Solder Fume; Priority Pollutant; RCRA	C-Metals by ICP	0.01	Routine	0.50	ug/wipe	N/A	N/A	N/A	8708100			
5989-27-5	Single	d-	Limonene	EMSL In-House Method; SOP VOCs by GC	Tubes	(+)-Limonene		IH-d-Limonene-InHouseMethod-IH7080	84	Ship and store samples refrigerated.	3.37	ug	87IH005	0.2	1	87IH028			
5989-27-5	Single	d-	Limonene	EMSL In-House Method; SOP VOCs by GC	Badge	(+)-Limonene		IH-d-Limonene-InHouseMethod-IH7080	84	Ship and store samples refrigerated.	2.94	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
138-86-3	Single		Limonene	NIOSH 1552	Badge	Dipentene; Cinene		IH-Limonene-NIOSH 1552-IH7149	84	Routine	8.40	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
138-86-3	Single		Limonene	NIOSH 1552	Tubes	Dipentene; Cinene		IH-Limonene-NIOSH 1552-IH7149	84	Routine	8.40	ug	87IH005	0.2	1	87IH028			
7439-93-2	Single		Lithium (Li)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A		C-Metals by ICP	15	Routine	5.00	ug	87IH010	2.0	100	8715200	8715315		
7439-93-2	Single		Lithium (Li)	EPA 6010D	Wipe	N/A		C-Metals by ICP	Not Established	Routine	5.00	ug	N/A	N/A	N/A	8708100			
7439-95-4	Single		Magnesium (Mg)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A	Welding Fume	C-Metals by ICP	15	Routine	50.00	ug	87IH010	2.0	50	8715200	8715315		
7439-95-4	Single		Magnesium (Mg)	NIOSH 7300M / NIOSH 7303M – ICP/MS	Cassettes	N/A	Welding Fume	C-Metals by ICP-MS	15	Routine	5.00	ug	87IH010	2.0	50	8715200	8715315		
7439-95-4	Single		Magnesium (Mg)	EPA 6010D	Wipe	N/A	Welding Fume	C-Metals by ICP	None for surfaces	Routine	50.00	ug/wipe	N/A	N/A	N/A	8708100			
121-75-5	Single		Malathion	NIOSH 5600M	Tubes	Carphobos; Mercaptothion	Pesticides, Organophosphorus Profile	IH5604 Malathion	15	Routine	4.00	ug	87IH013	1.0	100	87IH092			
7439-96-5	Single		Manganese (Mn)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A		C-Metals by ICP	5	Routine	0.75	ug	87IH010	2.0	100	8715200	8715315		
7439-96-5	Single		Manganese (Mn)	NIOSH 7300M / NIOSH 7303M – ICP/MS	Cassettes	N/A		C-Metals by ICP-MS	5	Routine	0.50	ug	87IH010	2.0	100	8715200	8715315		
7439-96-5	Single		Manganese (Mn)	EPA 6010D	Wipe	N/A		C-Metals by ICP	5	Routine	0.75	ug	N/A	N/A	100	8708100			
7439-97-6	Single		Mercury (Hg)	OSHA ID-140	Badge	N/A		C-Mercury by CVAA	0.1	Routine	0.10	ug	N/A	N/A	N/A	87IH083	520-02A		
7439-97-6	Single		Mercury (Hg)	NIOSH 6009M	Tubes	N/A	CAM 17; Priority Pollutant	C-Mercury by CVAA	0.1	Routine	0.01	ug	87IH008	0.20	0.1	87IH049			
7439-97-6	Single		Mercury (Hg) - Particulate	OSHA ID-145	Cassettes	N/A		C-Mercury by CVAA	0.1	Routine	0.10	ug	87IH008	2.0	1	8715200	8715315		
7439-97-6	Single		Mercury (Hg) - Total	OSHA ID-145	Wipe	N/A		C-Mercury by CVAA	0.1	Routine	0.02	ug/wipe	N/A	N/A	N/A	8708100			
67-56-1	Single		Methanol	EMSL In-House Method; SOP VOCs by GC	Tubes	Methyl Alcohol; Wood Alcohol		IH-Methanol-InHouseMethod-IH7145	262	Routine	15.00	ug	87IH005	0.05	5	87IH099			
67-56-1	Single		Methanol	EMSL In-House Method; SOP VOCs by GC	Badge	Methyl Alcohol; Wood Alcohol		IH-Methanol-InHouseMethod-IH7145	262	Routine	3.00	ug	N/A	N/A	N/A	87IH174			
67-56-1	Single		Methanol	NIOSH 2000M	Tubes	Methyl Alcohol; Carbinol		IH2000 - Methanol	262	Routine	7.91	ug	87IH005	0.10	5	87IH042			



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67-56-1	Single		Methanol	OSHA 91	Badge	Methyl Alcohol; Carbinol		IH-Methanol-OSHA 91-IH6075	262	Immediately after sampling, separate the two sampling tubes to prevent post-sampling migration.	7.91	ug	N/A	N/A	N/A	87IH174			
67-56-1	Single		Methanol	OSHA 91	Tubes	Methyl Alcohol; Carbinol		IH-Methanol-OSHA 91-IH6075	262	Immediately after sampling, separate the two sampling tubes to prevent post-sampling migration.	7.91	ug	87IH005	0.05	5	87IH099			
76-38-0	Single		Methoxyflurane	OSHA 103M	Tubes	Methoxyfluran; Methoflurane; Penthrane	Waste Anesthetic Gases (WAGs)	IH-Methoxyflurane-OSHA 103-IH6065	13.5	Ship and store samples refrigerated.	10.00	ug	87IH005	0.05	1	87IH111			
76-38-0	Single		Methoxyflurane	OSHA 103M	Badge	Methoxyfluran; Methoflurane; Penthrane	Waste Anesthetic Gases (WAGs)	IH-Methoxyflurane-OSHA 103-IH6065	13.5	Ship and store samples refrigerated.	10.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
79-20-9	Single		Methyl Acetate	EMSL In-House Method; SOP VOCs by GC	Badge	Acetic Acid Methyl Ester; Methyl Ethanone; MeOAc		IH-Methyl Acetate-EMSL InHouse Method-IH7082	607	Ship and store samples refrigerated.	2.93	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
79-20-9	Single		Methyl Acetate	EMSL In-House Method; SOP VOCs by GC	Tubes	Acetic Acid Methyl Ester; Methyl Ethanone; MeOAc		IH-Methyl Acetate-EMSL InHouse Method-IH7082	607	Ship and store samples refrigerated.	3.03	ug	87IH005	0.2	5	87IH028			
96-33-3	Single		Methyl Acrylate	EMSL In-House Method; SOP VOCs by GC	Badge	Acetic Acid Methyl Ester; Methyl Ethanone; MeOAc		IH-Methyl Acrylate-EMSL InHouse Method-IH7083	35	Routine Shipment, Store samples refrigerated.	3.37	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
110-49-6	Single		Methyl Cellosolve Acetate	OSHA 83M	Tubes	Ethylene Glycol Monomethyl Ether Acetate (EGMEA); Glycol Monomethyl Ether Acetate		IH-Methyl Cellosolve Acetate-OSHA 83M-IH6122	120	Routine	9.70	ug	87IH005	0.1	48	87IH028			
110-49-6	Single		Methyl Cellosolve Acetate	OSHA 83M	Badge	Ethylene Glycol Monomethyl Ether Acetate (EGMEA); Glycol Monomethyl Ether Acetate		IH-Methyl Cellosolve Acetate-OSHA 83M-IH6122	120	Routine	9.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
110-49-6	Single		Methyl Cellosolve Acetate	OSHA 99M	Badge	Ethylene Glycol Monomethyl Ether Acetate (EGMEA); Glycol Monomethyl Ether Acetate		IH-Methyl Cellosolve Acetate-OSHA 99M-IH6104	120	Routine	9.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
110-49-6	Single		Methyl Cellosolve Acetate	EMSL In-House Method; SOP VOCs by GC	Badge	Ethylene Glycol Monomethyl Ether Acetate (EGMEA); Glycol Monomethyl Ether Acetate		IH-Methyl Cellosolve Acetate-EMSL InHouse Method-IH7084	120	Routine Shipment, Store samples refrigerated.	3.19	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
110-49-6	Single		Methyl Cellosolve Acetate	OSHA 99M	Tubes	Ethylene Glycol Monomethyl Ether Acetate (EGMEA); Glycol Monomethyl Ether Acetate		IH-Methyl Cellosolve Acetate-OSHA 99M-IH6104	120	Routine	9.70	ug	87IH005	0.1	10	87IH028			
78-93-3	Single		Methyl Ethyl Ketone	EMSL In-House Method; SOP VOCs by GC	Tubes	2-Butanone; MEK		IH-MEK-EMSL InHouse Method-IH7085	590	Routine	3.37	ug	87IH005	0.20	1	87IH028			
78-93-3	Single		Methyl Ethyl Ketone	NIOSH 2500M	Badge	2-Butanone; MEK		IH2500 - Methyl ethyl ketone	590	Routine	8.10	ug	N/A	N/A	N/A	87IH069	87IH070	87IH174	
78-93-3	Single		Methyl Ethyl Ketone	NIOSH 2500M	Tubes	2-Butanone; MEK		IH2500 - Methyl ethyl ketone	590	Routine	8.10	ug	87IH005	0.20	1	87IH111			



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78-93-3	Single		Methyl Ethyl Ketone	EMSL In-House Method; SOP VOCs by GC	Badge	2-Butanone; MEK		IH-MEK-EMSL InHouse Method-IH7085	590	Routine	3.26	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
142-92-7	Single		Methyl Isoamyl Acetate	NIOSH 1450	Tubes	1,3-Dimethylbutyl Acetate; sec-Hexyl Acetate; 2-Methyl-2-Pentyl Acetate		IH1453 - Methyl isoamyl acetate	292	Protect from heat, ship cold (5C). Interferences: None identified	8.70	ug	87IH005	0.2	1	87IH028	87IH070	87IH174	
142-92-7	Single		Methyl Isoamyl Acetate	NIOSH 1450	Badge	1,3-Dimethylbutyl Acetate; sec-Hexyl Acetate; 2-Methyl-2-Pentyl Acetate		IH1453 - Methyl isoamyl acetate	292	Protect from heat, ship cold (5C). Interferences: None identified	8.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH174	
110-12-3	Single		Methyl Isoamyl Ketone	EMSL In-House Method; SOP VOCs by GC	Badge	5-Methyl-2-Hexanone		IH-Methyl Isoamyl Ketone-EMSL InHouse Method-IH7081	469	Routine Shipment, Store samples refrigerated.	6.06	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
108-10-1	Single		Methyl Isobutyl Ketone	EMSL In-House Method; SOP VOCs by GC	Tubes	4-Methyl-2-Pentanone; MIBK		IH-MIBK-EMSL InHouse Method-IH7086	410	Ship and store samples refrigerated.	3.06	ug	87IH005	0.20	1	87IH028			
108-10-1	Single		Methyl Isobutyl Ketone	NIOSH 1300	Tubes	4-Methyl-2-Pentanone; MIBK		IH1305 - Methyl isobutyl ketone	410	Ship and store samples refrigerated. Interferences: None identified	8.00	ug	87IH005	0.20	1	87IH028			
108-10-1	Single		Methyl Isobutyl Ketone	NIOSH 1300	Badge	4-Methyl-2-Pentanone; MIBK		IH1305 - Methyl isobutyl ketone	410	Ship and store samples refrigerated. Interferences: None identified	8.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
108-10-1	Single		Methyl Isobutyl Ketone	EMSL In-House Method; SOP VOCs by GC	Badge	4-Methyl-2-Pentanone; MIBK		IH-MIBK-EMSL InHouse Method-IH7086	410	Ship and store samples refrigerated.	3.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
80-62-6	Single		Methyl Methacrylate	EMSL In-House Method; SOP VOCs by GC	Tubes	Methyl Acid Methyl Ester		IH-Methyl Methacrylate-EMSL InHouse Method-IH7087	410	Ship and store samples refrigerated.	3.20	ug	87IH005	0.20	1	87IH028			
80-62-6	Single		Methyl Methacrylate	NIOSH 2537	Tubes	Methyl Acid Methyl Ester		IH-Methyl Methacrylate-NIOSH 2537-IH6017	410	Ship and store samples refrigerated.	9.40	ug	87IH005	0.20	1	87IH116			
80-62-6	Single		Methyl Methacrylate	NIOSH 2537	Badge	Methyl Acid Methyl Ester		IH-Methyl Methacrylate-NIOSH 2537-IH6017	410	Ship and store samples refrigerated.	9.40	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
80-62-6	Single		Methyl Methacrylate	EMSL In-House Method; SOP VOCs by GC	Badge	Methyl Acid Methyl Ester		IH-Methyl Methacrylate-EMSL InHouse Method-IH7087	410	Ship and store samples refrigerated.	3.06	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
110-43-0	Single		Methyl n-Amyl Ketone	EMSL In-House Method; SOP VOCs by GC	Badge	2-Heptanone; Butylacetone		IH-Methyl n-Amyl Ketone-EMSL InHouse Method-IH7088	465	Routine	3.09	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
110-43-0	Single		Methyl n-Amyl Ketone	NIOSH 1301	Tubes	2-Heptanone; Butylacetone	Organic Scan Profile	IH-Methyl n-Amyl Ketone-NIOSH 1301-IH6008	465	Routine Interferences: None identified	8.20	ug	87IH005	0.050	1	87IH028			
110-43-0	Single		Methyl n-Amyl Ketone	NIOSH 1301	Badge	2-Heptanone; Butylacetone	Organic Scan Profile	IH-Methyl n-Amyl Ketone-NIOSH 1301-IH6008	465	Routine Interferences: None identified	8.20	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
298-00-0	Single		Methyl Parathion	NIOSH 5600M	Tubes	Dimethyl Parathion		IH5605 - Methyl parathion	0.2	Routine	4.00	ug	87IH013	1.0	100	87IH092			
107-87-9	Single		Methyl Propyl Ketone	EMSL In-House Method; SOP VOCs by GC	Badge	Methyl n-Propyl Ketone; 2-Pentanone; Ethyl Acetone		IH-Methyl Propyl Ketone-EMSL InHouse Method-IH7089	703	Routine	3.19	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	



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107-87-9	Single		Methyl Propyl Ketone	NIOSH 1300	Badge	Methyl n-Propyl Ketone; 2-Pentanone; Ethyl Acetone		IH1305 - Methyl propyl ketone	703	Routine Interferences: None identified	8.10	ug	N/A	N/A	N/A	87IH069	87IH070	87IH174	87IH177
107-87-9	Single		Methyl Propyl Ketone	NIOSH 1300	Tubes	Methyl n-Propyl Ketone; 2-Pentanone; Ethyl Acetone		IH1305 - Methyl propyl ketone	703	Routine Interferences: None identified	8.10	ug	87IH005	0.20	1	87IH028			
1634-04-4	Single		Methyl Tert Butyl Ether	EMSL In-House Method; SOP VOCs by GC	Tubes	MTBE; tert-Butyl Methyl Ether		IH-MTBE-EMSL InHouse Method-IH7090	180	Routine	3.00	ug	87IH005	0.2	1	87IH039			
1634-04-4	Single		Methyl Tert Butyl Ether	NIOSH 1615	Badge	MTBE; tert-Butyl Methyl Ether		IH1615 - Methyl tert-butyl ether	180	Routine	7.40	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
1634-04-4	Single		Methyl Tert Butyl Ether	NIOSH 1615	Tubes	MTBE; tert-Butyl Methyl Ether		IH1615 - Methyl tert-butyl ether	180	Routine	7.40	ug	87IH005	0.2	1	87IH039			
1634-04-4	Single		Methyl Tert Butyl Ether	EMSL In-House Method; SOP VOCs by GC	Badge	MTBE; tert-Butyl Methyl Ether		IH-MTBE-EMSL InHouse Method-IH7090	180	Routine	2.97	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
872-50-4	Single	1-	Methyl, 2-Pyrrolidinone	EMSL In-House Method; SOP VOCs by GC	Tubes	n-Methylpyrrolidone; NMP		IH-1-Methyl, 2-Pyrrolidinone-EMSL InHouse Method-IH7091	4	Keep cold. Protect from prolonged exposure to light	3.00	ug	87IH005	0.2	1	87IH028			
872-50-4	Single	1-	Methyl, 2-Pyrrolidinone	EMSL In-House Method; SOP VOCs by GC	Badge	n-Methylpyrrolidone		IH-1-Methyl, 2-Pyrrolidinone-EMSL InHouse Method-IH7091	4	Keep cold. Protect from prolonged exposure to light	20.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
108-87-2	Single		Methylcyclohexane	NIOSH 1500M	Badge	Cyclohexylmethane; Hexahydrotoluene		IH1505 - Methyl cyclohexane	2007	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	3.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH174	
108-87-2	Single		Methylcyclohexane	EMSL In-House Method; SOP VOCs by GC	Badge	Cyclohexylmethane; Hexahydrotoluene		IH-Methylcyclohexane-EMSL InHouse Method-IH7140	2007	Routine	3.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
108-87-2	Single		Methylcyclohexane	NIOSH 1500M	Tubes	Cyclohexylmethane; Hexahydrotoluene		IH1505 - Methyl cyclohexane	2007	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	7.70	ug	87IH005	0.10	4	87IH028			
101-68-8	Single		Methylene Bisphenyl Diisocyanate	OSHA 42/47M	Cassettes	MDI; 4,4-Diphenylmethane diisocyanate	Diisocyanate Profile	IH4248 - MDI	0.2	Media must be shipped cold overnight and stored frozen. Samples must be shipped refrigerated.	0.10	ug	87IH019	1.0	15	87IH048			
75-09-2	Single		Methylene Chloride	NIOSH 1005M	Tubes	Dichloromethane		IH1005 - Methylene chloride	87	Routine. Interferences: None identified	13.30	ug	87IH005	0.050	1	87IH028			
75-09-2	Single		Methylene Chloride	EMSL In-House Method; SOP VOCs by GC	Tubes	Dichloromethane		IH-Methylene Chloride-EMSL InHouse Method-IH7092	87	Routine	0.10	ug	87IH005	0.050	1	87IH028			
75-09-2	Single		Methylene Chloride	EMSL In-House Method; SOP VOCs by GC	Badge	Dichloromethane		IH-Methylene Chloride-EMSL InHouse Method-IH7092	87	Routine	15.80	ug	N/A	N/A	N/A	87IH070			
75-09-2	Single		Methylene Chloride	NIOSH 1005M	Badge	Dichloromethane; DCM		IH1005 - Methylene chloride	87	Routine. Interferences: None identified	13.30	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	



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75-09-2	Single		Methylene Chloride	OSHA 80	Tubes	Dichloromethane; DCM		IH-Methylene Chloride-OSHA-80-IH6000	87	Routine	16.00	ug	87IH005	0.050	1	87IHxxx			
107-83-5	Single	2-	Methylpentane	EMSL In-House Method; SOP VOCs by GC	Tubes	Isohexene		IH-2-Methylpentane-EMSL InHouse Method-IH7093	351	Routine	3.00	ug	87IH005	0.20	1	87IH028			
107-83-5	Single	2-	Methylpentane	EMSL In-House Method; SOP VOCs by GC	Badge	Isohexene		IH-2-Methylpentane-EMSL InHouse Method-IH7093	351	Routine	2.93	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
7439-98-7	Single		Molybdenum (Mo)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A	CAM 16; CAM 17; Welding Fume	C-Metals by ICP	5	Routine	0.50	ug	87IH010	2.0	30	8715200	8715315		
7439-98-7	Single		Molybdenum (Mo)	NIOSH 7300M / NIOSH 7303M – ICP/MS	Cassettes	N/A	CAM 16; CAM 17; Welding Fume	C-Metals by ICP-MS	5	Routine	0.50	ug	87IH010	2.0	30	8715200	8715315		
7439-98-7	Single		Molybdenum (Mo)	EPA 6010D	Wipe	N/A	CAM 16; CAM 17; Welding Fume	C-Metals by ICP	None for surfaces	Routine	0.50	ug	N/A	N/A	N/A	8708100			
91-20-3	Single		Naphthalene	NIOSH 1501M	Tubes	Naphthaline; Napthene	Hydrocarbon, Aromatic Profile; Organic Scan Profile	IH1517 - Naphthalene	50	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	7.40	ug	87IH005	0.20	10	87IH028			
91-20-3	Single		Naphthalene	NIOSH 5506M	Air (Cassette + Tube)	Naphthaline; Napthene	PAH - Full List	IH-Naphthalene-NIOSH 5506-IH6035	50	Protect from light and heat. Wrap in foil, ship refrigerated (0C).	0.63	ug	87IH012	2	10	87IH043			
91-20-3	Single		Naphthalene	EMSL In-House Method; SOP VOCs by GC	Tubes	Naphthaline; Napthene		IH-Naphthalene-EMSL InHouse Method-IH7094	50	Routine	23.10	ug	87IH005	0.20	10	87IH028			
91-20-3	Single		Naphthalene	EMSL In-House Method; SOP VOCs by GC	Badge	Naphthaline; Napthene		IH-Naphthalene-EMSL InHouse Method-IH7094	50	Routine	8.38	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
91-20-3	Single		Naphthalene	NIOSH 1501M	Badge	Naphthaline; Napthene	Hydrocarbon, Aromatic Profile; Organic Scan Profile	IH1517 - Naphthalene	50	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	7.40	ug	N/A	N/A	N/A	87IH069	87IH070	87IH192	
7440-02-0	Single		Nickel (Ni)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A	CAM 16; CAM 17; Welding Fume; Priority Pollutant	C-Metals by ICP	1	Routine	0.50	ug	87IH010	2.0	30	8715200	8715315		
7440-02-0	Single		Nickel (Ni)	NIOSH 7300M / NIOSH 7303M – ICP/MS	Cassettes	N/A	CAM 16; CAM 17; Welding Fume; Priority Pollutant	C-Metals by ICP-MS	1	Routine	0.50	ug	87IH010	2.0	30	8715200	8715315		
7440-02-0	Single		Nickel (Ni)	EPA 6010D	Wipe	N/A	CAM 16; CAM 17; Welding Fume; Priority Pollutant	C-Metals by ICP	None for surfaces	Routine	1.00	ug	N/A	N/A	N/A	8708100			
54-11-5	Single		Nicotine	NIOSH 2551M	Tubes	N/A		IH2551 - Nicotine	0.5	Collect as much air volume as possible (Max Vol 600 L) Protect from light and heat. Wrap in foil, ship refrigerated (0C).	1.00	ug	87IH005	1.0	600	87IH050			



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54-11-5	Single		Nicotine	NIOSH 2551M	Wipe	N/A		IH2551 - Nicotine	None for Surfaces	Select nonporous condensing surfaces, wipe 100cm ² to start and increase area wiped until brown / yellow film collected.	1.00	ug	N/A	N/A	N/A	87IH051				
7697-37-2	Single		Nitric Acid	NIOSH 7907	Cassettes	Azotic Acid; Hydrogen Nitrate	Acid Profile, Volatile	IH7908 - Nitric Acid	5	Routine	10.00	ug	87IH217	2	10	87IH175				
7697-37-2	Single		Nitric Acid	NIOSH 7903	Tubes	Azotic Acid; Hydrogen Nitrate	Acid Profile, Inorganic	IH-Nitric Acid-NIOSH 7903-IH6043	5	Routine	5.10	ug	87IH016	0.20	10	87IH031				
7697-37-2	Single		Nitric Acid	OSHA ID-165SG	Tubes	Azotic Acid; Hydrogen Nitrate		IH-Nitric Acid-OSHA ID165SG-IH6080	5	Routine	5.10	ug	87IH016	0.2	10	87IH031				
10102-43-9	Single		Nitric Oxide	OSHA ID-190	Tubes	Nitrogen Monoxide; Nitrogen Oxide; NO		IH-Nitric Oxide-OSHA ID190-IH6084	5	Routine	10.00	ug	87IH269	0.025	6	87IH117				
10102-44-0	Single		Nitrogen Dioxide (NO ₂)	NIOSH 6014	Badge	NO ₂		IH6014 - NitDiox/NitOx(Nox)	9	Routine	0.82	ug	N/A	N/A	N/A	87IH151				
10102-44-0	Single		Nitrogen Dioxide (NO ₂)	NIOSH 6014	Tubes	NO ₂		IH6014 - NitDiox/NitOx(Nox)	9	Routine	0.82	ug	87IH262	0.10	6	87IH081				
10102-44-0	Single		Nitrogen Dioxide (NO ₂)	OSHA ID-182	Tubes	NO ₂		IH-Nitrogen Dioxide-OSHA ID182-IH6082	9	Routine	10.00	ug	87IH267	0.2	6	87IH081				
10024-97-2	Single		Nitrous Oxide (N2O) - Subcontract	Assay Tech LP 575	Badge	N2O; Nitrous; Dinitrogen Oxide; Dinitrogen Monoxide		IH-Nitrous Oxide-AssayTech LP575-IH6002	45	Samples once collected must be returned to EMSL within 5 days, including weekends.	0.40	ug	N/A	N/A	N/A	87IH110				
111-84-2	Single		Nonane	EMSL In-House Method; SOP VOCs by GC	Badge	n-Nonane		IH-Nonane-EMSL InHouse Method-IH7142	1050	Routine	3.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177		
111-84-2	Single		Nonane	EMSL In-House Method; SOP VOCs by GC	Tubes	n-Nonane		IH-Nonane-EMSL InHouse Method-IH7142	1050	Routine	3.01	ug	87IH005	0.20	4	87IH028				
111-65-9	Single		Octane	NIOSH 1500M	Tubes	n-Octane		IH1506 - n-Octane	2334	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	7.00	ug	87IH005	0.20	4	87IH028				
111-65-9	Single		Octane	NIOSH 1500M	Badge	n-Octane		IH1506 - n-Octane	2334	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	7.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH174		
111-65-9	Single		Octane	EMSL In-House Method; SOP VOCs by GC	Tubes	n-Octane		IH-Octane-EMSL InHouse Method-IH7095	2334	Routine	2.97	ug	87IH005	0.20	4	87IH028				
111-65-9	Single		Octane	EMSL In-House Method; SOP VOCs by GC	Badge	n-Octane		IH-Octane-EMSL InHouse Method-IH7095	2334	Routine	2.88	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177		
8012-95-1	Single		Oil Mist by Infrared Spect	Extraction and analysis as in NIOSH 5026	Cassettes	Oil Mist		IH-Oil Mist-NIOSH 5026	0.4	Ship and store samples refrigerated.	50.00	ug	87IH252	2.0	1000					
8012-95-1	Single		Oil Mist/Metalworking Fluid	Grav./Gravimetric only by NIOSH 5524	Cassettes	MWF		IH-Oil Mist/MWF(Grav Only)-NIOSH 5524-IH6038	0.4	Ship and store samples refrigerated.	50.00	ug	87IH252	2.0	1000	87IH037				
8012-95-1	Single		Oil Mist/Metalworking Fluid	Gravimetric and Solvent Extraction by NIOSH 5524	Cassettes	MWF		IH-Oil Mist/MWF(Grav/SolvExt)-NIOSH 5524-IH6039	0.4	Ship and store samples refrigerated.	50.00	ug	87IH252	2.0	1000	87IH037				



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10028-15-6	Single		Ozone	OSHA ID-214	Cassettes	Triatomic Oxygen		IH0214 - Ozone	0.2	Routine	3.90	ug	87IH017	0.30	180	87IH052			
56-38-2	Single		Parathion	NIOSH 5600M	Tubes	Ethyl Parathion; Phosphostigmone		IH5606 - Parathion	0.1	Routine	4.00	ug	87IH013	1.0	40	87IH092			
87-86-5	Single		Pentachlorophenol	NIOSH 2546M	Tubes	Chlorophen; Lauxtol		IHC5I008 - Pentachlorophenol	0.5	Routine	22.00	ug	87IH005	0.20	44	87IH044			
109-66-0	Single		Pentane	NIOSH 1500M	Tubes	n-Pentane		IH1507 - Pentane	2950	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	6.30	ug	87IH005	0.20	4	87IH028			
109-66-0	Single		Pentane	NIOSH 1500M	Badge	n-Pentane		IH1507 - Pentane	2950	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	6.30	ug	N/A	N/A	N/A	87IH069	87IH070	87IH174	
109-66-0	Single		Pentane	EMSL In-House Method; SOP VOCs by GC	Tubes	n-Pentane		IH-n-Pentane-EMSL InHouse Method-IH7096	2950	Routine	2.97	ug	87IH005	0.20	4	87IH028			
109-66-0	Single		Pentane	EMSL In-House Method; SOP VOCs by GC	Badge	n-Pentane		IH-n-Pentane-EMSL InHouse Method-IH7096	2950	Routine	2.93	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
127-18-4	Single		Perchloroethylene	NIOSH 1003M	Tubes	Tetrachloroethylene; Tetrachloroethene; Perc; PCE	Organic Scan Profile	IH1014 - Perchloroethylene	678.5	Routine. Interferences: None identified	16.00	ug	87IH005	0.050	1	87IH028			
127-18-4	Single		Perchloroethylene	EMSL In-House Method; SOP VOCs by GC	Badge	Tetrachloroethylene; Tetrachloroethene; Perc; PCE		IH-Perchloroethylene-EMSL InHouse Method-IH7114	679	Routine	3.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
127-18-4	Single		Perchloroethylene	NIOSH 1003M	Badge	Tetrachloroethylene; Tetrachloroethene; Perc; PCE	Organic Scan Profile	IH1014 - Perchloroethylene	678.5	Routine. Interferences: None identified	16.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
52645-53-1	Single		Permethrins (cis and trans-)	NIOSH 5008M	Cassettes	Permethrin		IHC5I009 - Permethrins	5	Routine	1.00	ug	87IH260	1.0	200	87IH040			
8032-32-4	Single		Petroleum Ether	NIOSH 1550M	Badge	VM & P Naphtha; Ligroin		IH1550 - Petroleum ether	350	Routine	7.40	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
8032-32-4	Single		Petroleum Ether	EMSL In-House Method; SOP VOCs by GC	Tubes	VM & P Naphtha; Ligroin		IH-Petroleum Ether-InHouse Method-IH7098	350	Routine	3.00	ug	87IH005	0.20	2	87IH028			
8032-32-4	Single		Petroleum Ether	EMSL In-House Method; SOP VOCs by GC	Badge	VM & P Naphtha; Ligroin		IH-Petroleum Ether-InHouse Method-IH7098	350	Routine	3.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
8032-32-4	Single		Petroleum Ether	NIOSH 1550M	Tubes	VM & P Naphtha; Ligroin		IH1550 - Petroleum ether	350	Routine	7.40	ug	87IH005	0.20	2	87IH028			
8032-32-4	Single		Petroleum Ether in Bulk	NIOSH 1550M	Bulk	VM & P Naphtha; Ligroin		IH1553 - VM+P Naphtha	350	Routine	10.00	ug	N/A	N/A	N/A				
8002-05-9	Single		Petroleum Naphtha (as VM&P Naphtha)	NIOSH 1550M	Tubes	Petroleum Distillates ;Naphtha; Rubber Solvent		IH1551 - Petroleum naphtha	2023	Routine	7.40	ug	87IH005	0.20	10	87IH028			
8002-05-9	Single		Petroleum Naphtha (as VM&P Naphtha)	NIOSH 1550M	Badge	Petroleum Distillates ;Naphtha; Rubber Solvent		IH1551 - Petroleum naphtha	2023	Routine	7.40	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	



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85-01-8	Single		Phenanthrene	NIOSH 5506M	Air (Cassette + Tube)	Phenanthrin; Phenanthracene	Coal Tar Pitch Volatiles; PAH - Full List	IH-Phenanthrene-NIOSH 5506-IH6036	0.2	Protect from light and heat. Wrap in foil, ship refrigerated (0C).	0.31	ug	87IH012	2	200	87IH043			
108-95-2	Single		Phenol	NIOSH 2546M	Tubes	Carbolic Acid; Hydroxybenzene		IH2547 - Phenol	19	Routine	11.00	ug	87IH005	0.20	5	87IH044			
101-84-8	Single		Phenyl Ether	EMSL In-House Method; SOP VOCs by GC	Badge	Diphenyl Ether		IH-Phenyl Ether-EMSL InHouse Method-IH7099	7	Routine	3.06	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
4994-16-5	Single	4-	Phenylcyclohexene	NIOSH 1501M	Tubes	4-PC; 4-PCH; New Rug Odor		IH1025 - 4-Phenylcyclohexene	0.0065	Routine	6.50	ug	87IH005	0.2	10	87IH028			
7664-38-2	Single		Phosphoric Acid	NIOSH 7908	Cassettes	Orthophosphoic Acid; Triphenyl Phosphate	Acid Profile, Non-Volatile	IH-Phosphoric Acid-NIOSH 7908-IH6048	1	Ship and store samples refrigerated.	10.00	ug	87IH218	2.0	21	87IH175			
7664-38-2	Single		Phosphoric Acid	OSHA ID-165SG	Tubes	Orthophosphoic Acid; Triphenyl Phosphate		IH-Phosphoric Acid-OSHA ID-165SG-IH6071	1	Routine	10.00	ug	87IH016	0.2	21	87IH031			
7664-38-2	Single		Phosphoric Acid	NIOSH 7903	Tubes	Orthophosphoic Acid; Triphenyl Phosphate	Acid Profile, Inorganic	IH7909 - Phosphoric Acid	1	Routine	21.00	ug	87IH016	0.20	21	87IH031			
7723-14-0	Single		Phosphorus (P)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A		C-Metals by ICP	0	Routine	5.00	ug	87IH010	2.0	200	8715200	8715315		
7723-14-0	Single		Phosphorus (P)	EPA 6010D	Wipe	N/A		C-Metals by ICP	None for surfaces	Routine	5.00	ug/wipe or ug 100cm2	N/A	N/A	N/A	8708100			
7440-09-7	Single		Potassium (K)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A		C-Metals by ICP	15	Routine	50.00	ug	87IH010	2.0	200	8715200	8715315		
7440-09-7	Single		Potassium (K)	NIOSH 7300M / NIOSH 7303M – ICP/MS	Cassettes	N/A		C-Metals by ICP-MS	15	Routine	5.00	ug	87IH010	2.0	200	8715200	8715315		
7440-09-7	Single		Potassium (K)	EPA 6010D	Wipe	N/A		C-Metals by ICP	15	Routine	50.00	ug/wipe	N/A	N/A	N/A	8708100			
1310-58-3	Single		Potassium Hydroxide, As Alkaline Dust	NIOSH 7401	Cassettes	N/A		IH7402 - Potassium hydroxide	2	Routine	100.00	ug	87IH691	2.0	240	87IH035			
123-38-6	Single		Propionaldehyde	NIOSH 2016M	Tubes	Propanal; Propional		IH-Propionaldehyde-NIOSH 2016-IH6015	48	Protect from heat. Store in freezer, ship cold (SC).	0.05	ug	87IH006	0.3	15	87IH030			
123-38-6	Single		Propionaldehyde	NIOSH 2016M	Badge	Propanal; Propional		IH-Propionaldehyde-NIOSH 2016-IH6015	48	Protect from heat. Store in freezer, ship cold (SC).	0.05	ug	N/A	N/A	N/A	87IH034	87IH215	87IH151	
109-60-4	Single		Propyl Acetate	NIOSH 1450	Tubes	n-Propyl Acetate		IH1454 - n-Propyl acetate	836	Protect from heat, ship cold (SC). Interferences: None identified	8.90	ug	87IH005	0.20	1	87IH028			
109-60-4	Single		Propyl Acetate	NIOSH 1450	Badge	n-Propyl Acetate		IH1454 - n-Propyl acetate	836	Protect from heat, ship cold (SC). Interferences: None identified	8.90	ug	N/A	N/A	N/A	87IH069	87IH070	87IH174	
109-60-4	Single		Propyl Acetate	EMSL In-House Method; SOP VOCs by GC	Tubes	n-Propyl Acetate		IH-Propyl Acetate-EMSL InHouse Method-IH7100	836	Ship and store samples refrigerated.	3.09	ug	87IH005	0.20	1	87IH028			
109-60-4	Single		Propyl Acetate	EMSL In-House Method; SOP VOCs by GC	Badge	n-Propyl Acetate		IH-Propyl Acetate-EMSL InHouse Method-IH7100	836	Ship and store samples refrigerated.	2.91	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	



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71-23-8	Single		Propyl Alcohol	NIOSH 1401	Tubes	n-Propyl Alcohol; 1-Propanol		IH1410 - n-Propyl alcohol	492	Routine shipment, store frozen. Interferences: None identified	8.00	ug	87IH005	0.20	10	87IH028			
71-23-8	Single		Propyl Alcohol	NIOSH 1401	Badge	n-Propyl Alcohol; 1-Propanol		IH1410 - n-Propyl alcohol	492	Routine shipment, store frozen. Interferences: None identified	8.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH174	87IH177
71-23-8	Single		Propyl Alcohol	EMSL In-House Method; SOP VOCs by GC	Badge	n-Propyl Alcohol; 1-Propanol		IH-Propyl Alcohol-EMSL InHouse Method-IH7101	492	Routine. Store in freezer.	4.11	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
106-94-5	Single		Propyl Bromide	EMSL In-House Method; Organic Vapor GC/FID SOP	Tubes	1-Bromopropane; n-Propyl Bromide		IH-Propyl Bromide-EMSL InHouse Method-IH7102	0.5	Routine. Store in refrigerator	3.07	ug	87IH005	0.02	10	87IH028			
106-94-5	Single		Propyl Bromide	OSHA PV2061	Tubes	1-Bromopropane; n-Propyl Bromide		IH2061 - 1-Bromopropane	0.5	Routine. Store in refrigerator	6.76	ug	87IH005	0.10	10	87IH028			
106-94-5	Single		Propyl Bromide	OSHA PV2061	Badge	1-Bromopropane; n-Propyl Bromide		IH2061 - 1-Bromopropane	0.5	Routine. Store in refrigerator	6.76	ug	N/A	N/A	N/A	87IH069	87IH070	87IH192	
106-94-5	Single		Propyl Bromide	EMSL In-House Method; Organic Vapor GC/FID SOP	Badge	1-Bromopropane; n-Propyl Bromide		IH-Propyl Bromide-EMSL InHouse Method-IH7102	0.5	Routine. Store in refrigerator	2.97	ug	N/A	N/A	N/A	87IH069	87IH070		
57-55-6	Single		Propylene Glycol	NIOSH 5523	Tubes	1,2-Propanediol; Propane-1,2-Diol		IH5524 - Propylene glycol	30	Ship and store samples refrigerated.	50.00	ug	87IH023	1.0	30	87IH108			
5131-66-8	Single		Propylene Glycol Monobutyl Ether	EMSL In-House Method; SOP VOCs by GC	Tubes	n-Butoxypropanol; PGMBe		IH-PGMBe-EMSL InHouse Method-IH7134	Not Established	Routine	3.00	ug	87IH005	0.10	10	87IH028			
5131-66-8	Single		Propylene Glycol Monobutyl Ether	EMSL In-House Method; SOP VOCs by GC	Badge	n-Butoxypropanol; PGMBe		IH-PGMBe-EMSL InHouse Method-IH7134	Not Established	Routine	3.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
5131-66-8	Single		Propylene Glycol Monobutyl Ether	OSHA 83M	Tubes	n-Butoxypropanol; PGMBe		IH-PGMBe-OSHA 83M-IH619	Not Established	Routine	9.70	ug	87IH005	0.1	48	87IH028			
5131-66-8	Single		Propylene Glycol Monobutyl Ether	OSHA 83M	Badge	n-Butoxypropanol; PGMBe		IH-PGMBe-OSHA 83M-IH619	Not Established	Routine	9.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
5131-66-8	Single		Propylene Glycol Monobutyl Ether	OSHA 99M	Tubes	n-Butoxypropanol; PGMBe		IH-PGMBe-OSHA 99M-IH6101	Not Established	Routine	9.70	ug	87IH005	0.10	10	87IH028			
5131-66-8	Single		Propylene Glycol Monobutyl Ether	OSHA 99M	Badge	n-Butoxypropanol; PGMBe		IH-PGMBe-OSHA 99M-IH6101	Not Established	Routine	9.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
107-98-2	Single		Propylene Glycol Monomethyl Ether	EMSL In-House Method; SOP VOCs by GC	Tubes	1,Methoxy-2-Propanol; PGME; Propylene Glycol Methyl Ether		IHPGMME-EMSL InHouse Method-IH7103	367	Routine	5.99	ug	87IH005	0.10	10	87IH028			
107-98-2	Single		Propylene Glycol Monomethyl Ether	OSHA 99M	Tubes	1,Methoxy-2-Propanol; PGME; Propylene Glycol Methyl Ether		IHCsI011 - PGME	367	Routine	9.70	ug	87IH005	0.1	10	87IH028			
107-98-2	Single		Propylene Glycol Monomethyl Ether	OSHA 99M	Badge	1,Methoxy-2-Propanol; PGME; Propylene Glycol Methyl Ether		IHCsI011 - PGME	367	Routine	9.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
107-98-2	Single		Propylene Glycol Monomethyl Ether	EMSL In-House Method; SOP VOCs by GC	Badge	1,Methoxy-2-Propanol; PGME; Propylene Glycol Methyl Ether		IHPGMME-EMSL InHouse Method-IH7103	367	Routine	4.84	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
108-65-6	Single		Propylene Glycol Monomethyl Ether Acetate	EMSL In-House Method; SOP VOCs by GC	Tubes	1-Methoxy-2-Propyl Acetate; PGMEA		IHPGMEA-EMSL InHouse Method-IH7104	541	Routine	3.27	ug	87IH005	0.10	10	87IH028			



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108-65-6	Single		Propylene Glycol Monomethyl Ether Acetate	OSHA 99M	Tubes	1-Methoxy-2-Propyl Acetate; PGMEA		IH-0015 PGMEA	541	Routine	9.70	ug	87IH005	0.1	10	87IH028			
108-65-6	Single		Propylene Glycol Monomethyl Ether Acetate	OSHA 99M	Badge	1-Methoxy-2-Propyl Acetate; PGMEA		IH-0015 PGMEA	541	Routine	9.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
108-65-6	Single		Propylene Glycol Monomethyl Ether Acetate	EMSL In-House Method; SOP VOCs by GC	Badge	1-Methoxy-2-Propyl Acetate; PGMEA		IH-PGMEA-EMSL InHouse Method-IH7104	541	Routine	3.07	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
75-56-9	Single		Propylene Oxide	NIOSH 1612	Tubes	2-Methyloxirane; 1,2-Epoxypropane; PO		IH-Propylene Oxide-NIOSH 1612-IH7150	238	Ship and store samples refrigerated.	8.30	ug	87IH005	0.20	5	87IH028			
75-56-9	Single		Propylene Oxide	NIOSH 1612	Badge	2-Methyloxirane; 1,2-Epoxypropane; PO		IH-Propylene Oxide-NIOSH 1612-IH7150	238	Ship and store samples refrigerated.	8.30	ug	N/A	N/A	N/A	87IH070	87IH174		
75-56-9	Single		Propylene Oxide	EMSL In-House Method; ETO and PO by GC SOP	Badge	2-Methyloxirane; 1,2-Epoxypropane; PO		IH-Propylene Oxide-InHouseMethod-IH7105	238	Ship and store samples refrigerated.	10.40	ug	N/A	N/A	N/A	87IH210			
129-00-0	Single		Pyrene	NIOSH 5506M	Air (Cassette + Tube)	Benzo[def]phenanthrene; Pyren	Coal Tar Pitch Volatiles	IH-Pyrene-NIOSH 5506-IH6037	0.2	Protect from light and heat. Wrap in foil, ship refrigerated (0C).	0.31	ug	87IH012	2	200	87IH043			
8003-34-7	Single		Pyrethrum (Pyrethrin I & II)	NIOSH 5008M	Cassettes	Pyrethrins; Pyrethrum Extract		IH-Pyrethrum-NIOSH 5008-IH6019	5	Routine	1.00	ug	87IH260	2.0	100	87IH040			
7782-49-2	Single		Selenium (Se)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A	CAM 16; CAM 17; Priority Pollutant; RCRA	C-Metals by ICP	0.2	Routine	1.00	ug	87IH010	2.0	200	8715200	8715315		
7782-49-2	Single		Selenium (Se)	NIOSH 7300M / NIOSH 7303M – ICP/MS	Cassettes	N/A	CAM 16; CAM 17; Priority Pollutant; RCRA	C-Metals by ICP-MS	0.2	Routine	0.05	ug	87IH010	2.0	200	8715200	8715315		
7782-49-2	Single		Selenium (Se)	EPA 6010D	Wipe	N/A	CAM 16; CAM 17; Priority Pollutant; RCRA	C-Metals by ICP	None for surfaces	Routine	1.00	ug	N/A	N/A	N/A	8708100			
28523-86-6	Single		Sevoflurane	OSHA 103M	Tubes	Sevofluran; Ultane	Waste Anesthetic Gases (WAGs)	IH-Sevoflurane-OSHA 103M-IH6066	16.3	Ship and store samples refrigerated.	10.00	ug	87IH005	0.050	12	87IH111			
28523-86-6	Single		Sevoflurane	OSHA 103M	Badge	Sevofluran; Ultane	Waste Anesthetic Gases (WAGs)	IH-Sevoflurane-OSHA 103M-IH6066	16.3	Ship and store samples refrigerated.	10.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
112945-52-5	Single		Silica - Crystalline Air Single Species - Alpha Quartz Only	NIOSH 7602	Air	Silicon Dioxide		Silica by IR	0.05	Routine	5.00	ug/m3	87IH007	2.5	1000	8715500			
112945-52-5	Single		Silica w/ Total or Respirable Dust by NIOSH 7500/OSHA ID142-All Species, Alpha Quartz, Cristobalite, Tridymite	NIOSH 7500M	Air (Cassette or PPI)	Silicon Dioxide		XRD-Silica; XRD-Total Silica	0.05	Routine	10.00	ug/m3	87IH007	2.5	1000	8715500			
112945-52-5	Single		Silica w/ Total or Respirable Dust by NIOSH 7500/OSHA ID142-Single Species, Alpha Quartz (QZ)	NIOSH 7500M	Air (Cassette or PPI)	Silicon Dioxide		XRD-Silica as Alpha Quartz; XRD-Total Alpha Quartz (Silica)	0.05	Routine	5.00	ug/m3	87IH007	2.5	1000	8715500			
112945-52-5	Single		Silica w/ Total or Respirable Dust by NIOSH 7500/OSHA ID142-Single Species, Cristobalite (CR)	NIOSH 7500M	Air (Cassette or PPI)	Silicon Dioxide		XRD-Silica as Cristobalite; XRD-Total Cristobalite (Silica)	0.05	Routine	10.00	ug/m3	87IH007	2.5	1000	8715500			
112945-52-5	Single		Silica w/ Total or Respirable Dust by NIOSH 7500/OSHA ID142-Single Species, Tridymite (TR)	NIOSH 7500M	Air (Cassette or PPI)	Silicon Dioxide		XRD-Silica as Tridymite; XRD-Total Tridymite (Silica)	0.05	Routine	10.00	ug/m3	87IH007	2.5	1000	8715500			



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7631-86-9	Single		Silica-Amorphous, Air	NIOSH 7501M	Air	Silicon Dioxide		MS045 Amorphous Silica Air	6	Routine	20.00	ug/m3	87IH001	2.5	1000	8715500			
112945-52-5	Single		Silica-Amorphous, Bulk	NIOSH 7501M	Bulk	Silicon Dioxide		MS046 Amorphous Silica Bulk	6	Routine	N/A	weight%	N/A	N/A	N/A				
112945-52-5	Single		Silica-Crystalline Bulk 3 Species QZ, CR, and TR	NIOSH 7500M	Bulk	Silicon Dioxide		MS038 Crystalline Silica Bulk - All Species	0.05	Routine	N/A	weight%	N/A	N/A	N/A				
112945-52-5	Single		Silica-Crystalline Bulk Single Species QZ, CR, or TR	NIOSH 7500M	Bulk	Silicon Dioxide		MS037 Crystalline Silica Bulk - single species	0.05	Routine	N/A	weight%	N/A	N/A	N/A				
7440-21-3	Single		Silicon (Si)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A	CAM 16; CAM 17; Priority Pollutant; RCRA	C-Metals by ICP	0	Routine	1.00	ug	87IH010	2.0	200	8715200	8715315		
7440-21-3	Single		Silicon (Si)	EPA 6010D	Wipe	N/A		C-Metals by ICP	None for surfaces	Routine	5.00	ug/wipe or ug 100cm2	N/A	N/A	N/A	8708100			
7440-22-4	Single		Silver (Ag)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A	CAM 16; CAM 17; Priority Pollutant; RCRA	C-Metals by ICP	0.01	Routine	0.50	ug	87IH010	2.0	200	8715200	8715315		
7440-22-4	Single		Silver (Ag)	NIOSH 7300M / NIOSH 7303M – ICP/MS	Cassettes	N/A	CAM 16; CAM 17; Priority Pollutant; RCRA	C-Metals by ICP-MS	0.01	Routine	0.50	ug	87IH010	2.0	200	8715200	8715315		
7440-22-4	Single		Silver (Ag)	EPA 6010D	Wipe	N/A	CAM 16; CAM 17; Priority Pollutant; RCRA	C-Metals by ICP	None for surfaces	Routine	0.50	ug	N/A	N/A	N/A	8708100			
7440-23-5	Single		Sodium (Na)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A		C-Metals by ICP	15	Routine	50.00	ug	87IH010	2.0	200	8715200	8715315		
7440-23-5	Single		Sodium (Na)	NIOSH 7300M / NIOSH 7303M – ICP/MS	Cassettes	N/A		C-Metals by ICP-MS	15	Routine	5.00	ug	87IH010	2.0	200	8715200	8715315		
7440-23-5	Single		Sodium (Na)	EPA 6010D	Wipe	N/A		C-Metals by ICP	None for surfaces	Routine	50.00	ug	N/A	N/A	N/A	8708100			
1310-73-2	Single		Sodium Hydroxide (as Alkaline Dust)	NIOSH 7401	Cassettes	Caustic		IH7403 - Sodium Hydroxide	2	Routine	100.00	ug	87IH691	2.0	240	87IH035			
8052-41-3	Single		Stoddard Solvent	EMSL In-House Method; SOP VOCs by GC	Badge	6-Bromohexyl Acetate; Dry Cleaning Safety Solvent; Mineral Spirits		IH-Stoddard-InHouseMethod-IH7108	2900	Routine	14.40	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
8052-41-3	Single		Stoddard Solvent, as VM&P Naphtha	NIOSH 1550M	Tubes	6-Bromohexyl Acetate; Dry Cleaning Safety Solvent; Mineral Spirits		IH1552 - Stoddard Solvent	2900	Routine	7.90	ug	87IH005	0.20	10	87IH028			
8052-41-3	Single		Stoddard Solvent, as VM&P Naphtha	NIOSH 1550M	Badge	6-Bromohexyl Acetate; Dry Cleaning Safety Solvent; Mineral Spirits		IH1552 - Stoddard Solvent	2900	Routine	7.90	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
7440-24-6	Single		Strontium (Sr)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A		C-Metals by ICP	15	Routine	5.00	ug	87IH010	2.0	200	8715200	8715315		
7440-24-6	Single		Strontium (Sr)	NIOSH 7300M / NIOSH 7303M – ICP/MS	Cassettes	N/A		C-Metals by ICP-MS	15	Routine	0.50	ug	87IH010	2.0	200	8715200	8715315		
7440-24-6	Single		Strontium (Sr)	EPA 6010D	Wipe	N/A		C-Metals by ICP	None for surfaces	Routine	5.00	ug	N/A	N/A	N/A	8708100			



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100-42-5	Single		Styrene	NIOSH 1501M	Tubes	Ethenylbenzene; Phenylethylene	Hydrocarbon, Aromatic Profile	IH1515 - Styrene	424	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	9.10	ug	87IH005	0.2	10	87IH028			
100-42-5	Single		Styrene	NIOSH 1501M	Badge	Ethenylbenzene; Phenylethylene	Hydrocarbon, Aromatic Profile	IH1515 - Styrene	424	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	9.10	ug	N/A	N/A	87IH069	87IH070	87IH177		
100-42-5	Single		Styrene	EMSL In-House Method; SOP VOCs by GC	Tubes	Ethenylbenzene; Phenylethylene		IH-Styrene-EMSL InHouse Method-IH7109	424	Routine	39.00	ug	87IH005	0.2	10	87IH028			
100-42-5	Single		Styrene	EMSL In-House Method; SOP VOCs by GC	Badge	Ethenylbenzene; Phenylethylene		IH-Styrene-EMSL InHouse Method-IH7109	424	Routine	17.60	ug	N/A	N/A	87IH069	87IH070	87IH177		
100-42-5	Single		Styrene	OSHA 1014	Badge	Ethenylbenzene; Phenylethylene		IH-Styrene-OSHA 1014-IH6058	424	Routine	4.50	ug	N/A	N/A	87IH069	87IH070			
7704-34-9	Single		Sulfur (S)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A		C-Metals by ICP	0	Routine	5.00	ug	87IH010	2.0	200	8715200	8715315		
7704-34-9	Single		Sulfur (S)	EPA 6010D	Wipe	N/A		C-Metals by ICP	0	Routine	5.00	ug	87IH010	2.0	200	8715200	8715315		
7704-34-9	Single		Sulfur (S)	EPA 6010D	Wipe	N/A				None for surfaces		5.00	ug/wipe or ug 100cm ²	N/A	N/A	8708100			
7446-09-5	Single		Sulfur Dioxide	NIOSH 6004M	Cassettes	Sulphur Dioxide; SO ₂		IH6004 Sulfur Dioxide	13	Routine	6.70	ug	87IH022	1.5	6	87IH053			
7446-09-5	Single		Sulfur Dioxide	NIOSH 6004M	Badge	Sulphur Dioxide; SO ₂		IH6004 Sulfur Dioxide	13	Routine	6.70	ug	N/A	N/A	N/A	87IH151			
7664-93-9	Single		Sulfuric Acid	NIOSH 7903	Tubes	Oil of Vitriol; Sulphuric Acid; Dihydrogen Sulfate	Acid Profile, Inorganic	IH-Sulfuric Acid-NIOSH 7903-IH6044	1	Routine	10.00	ug	87IH016	0.20	50	87IH031			
7664-93-9	Single		Sulfuric Acid	NIOSH 7908	Cassettes	Oil of Vitriol; Sulphuric Acid; Dihydrogen Sulfate	Acid Profile, Non-Volatile	IH7910 - Sulfuric acid	1	Routine	10.00	ug	87IH218	2.0	50	87IH175			
7664-93-9	Single		Sulfuric Acid	OSHA ID-113	Cassettes	Oil of Vitriol; Sulphuric Acid; Dihydrogen Sulfate		IH-Sulfuric Acid-OSHA ID113-IH6078	1	Routine	0.50	ug	87IH218	2.0	50	8715200	8715315		
91-08-7	Single	2,6-	TDI	OSHA 42/47M	Cassettes	2,6-Toluene Diisocyanate; Toluene-2,6-Diisocyanate	Diisocyanate Profile	IH0226 - 2,6-TDI	0.007	Media must be shipped cold overnight and stored frozen. Samples must be shipped refrigerated.	0.10	ug	87IH019	1.0	15	87IH048			
584-84-9	Single	2,4-	TDI	OSHA 42/47M	Cassettes	2,4-Toluene Diisocyanate; Toluene-2,4-Diisocyanate	Diisocyanate Profile	IH0225 - 2,4-TDI	0.14	Media must be shipped cold overnight and stored frozen. Samples must be shipped refrigerated.	0.10	ug	87IH019	1.0	15	87IH048			
532-27-4	Single		Tear Gas, Individual, CN - a-Chloroacetophenone	OSHA CSI	Tubes	CN Tear Gas; 2-Chloroacetophenone	Tear Gas, Total	IHCS1 - alpha-Chloroacetophenone	0.3	Routine	1.00	ug	87IH266	0.1	10	87IH042			
532-27-4	Single		Tear Gas, Individual, CN - a-Chloroacetophenone	OSHA CSI	Wipe	CN Tear Gas; 2-Chloroacetophenone	Tear Gas, Total	IHCS1 - alpha-Chloroacetophenone	0.3	Routine	1.00	ug	N/A	N/A	N/A	87IH051			



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2698-41-1	Single		Tear Gas, Individual, CS - o-Chlorobenzylidene Malononitrile	OSHA CSI	Tubes	CS Tear Gas; 2-Chlorobenzylidenemalononitrile	Tear Gas, Total	IH-Tear Gas (CS)-OSHA CSI-IH6076	0.4	Routine	1.00	ug	87IH266	0.1	10	87IH042			
2698-41-1	Single		Tear Gas, Individual, CS - o-Chlorobenzylidene Malononitrile	OSHA CSI	Wipe	CS Tear Gas; 2-Chlorobenzylidenemalononitrile	Tear Gas, Total	IH-Tear Gas (CS) o-Chlorobenzylidene Malononitrile-OSHA CSI-IH6076	0.4	Routine	1.00	ug	N/A	N/A	N/A	87IH051			
79-34-5	Single	1,1,2,2-	Tetrachloroethane	EMSL In-House Method; SOP VOCs by GC	Tubes	s-Tetrachloroethane; Acetylene tetrachloride		IH-1,1,2,2-Tetrachloroethane-EMSL InHouse Method-IH7112	34.5	Routine	3.00	ug	87IH005	0.2	5	87IH111			
79-34-5	Single	1,1,2,2-	Tetrachloroethane	EMSL In-House Method; SOP VOCs by GC	Badge	s-Tetrachloroethane; Acetylene tetrachloride		IH-1,1,2,2-Tetrachloroethane-EMSL InHouse Method-IH7112	34.5	Routine	2.94	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
79-34-5	Single	1,1,2,2-	Tetrachloroethane	NIOSH 1019	Tubes	s-Tetrachloroethane; Acetylene tetrachloride	Organic Scan Profile	IH-1,1,2,2-Tetrachloroethane-NIOSH 1019-IH6005	34.5	Routine Interferences: None identified	16.00	ug	87IH005	0.2	5	87IH111			
79-34-5	Single	1,1,2,2-	Tetrachloroethane	NIOSH 1019	Badge	s-Tetrachloroethane; Acetylene tetrachloride	Organic Scan Profile	IH-1,1,2,2-Tetrachloroethane-NIOSH 1019-IH6005	34.5	Routine Interferences: None identified	16.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
25322-20-7	Single		Tetrachloroethanes (mixed isomers)	EMSL In-House Method; SOP VOCs by GC	Tubes	TCA		IH-Tetrachloroethanes-EMSL InHouse Method-IH7113	4.45	Routine	3.00	ug	87IH005	0.2	10	87IH028			
25322-20-7	Single		Tetrachloroethanes (mixed isomers)	EMSL In-House Method; SOP VOCs by GC	Badge	TCA		IH-Tetrachloroethanes-EMSL InHouse Method-IH7113	4.45	Routine	3.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
109-99-9	Single		Tetrahydrofuran (THF)	EMSL In-House Method; SOP VOCs by GC	Tubes	THF; Oxolane		IH-Tetrahydrofuran-EMSL InHouse Method-IH7115	590	Routine	3.06	ug	87IH005	0.2	1.0-9.0	87IH028			
109-99-9	Single		Tetrahydrofuran (THF)	EMSL In-House Method; SOP VOCs by GC	Badge	THF; Oxolane		IH-Tetrahydrofuran-EMSL InHouse Method-IH7115	590	Routine	3.19	ug	N/A	N/A	5	87IH069	87IH070	87IH177	
7440-28-0	Single		Thallium (Tl)	NIOSH 7300M / NIOSH 7303M – ICP/MS	Cassettes	N/A	CAM 16; CAM 17; Priority Pollutant	C-Metals by ICP-MS	0.1	Routine	0.05	ug	87IH010	2	200	8715200	8715315		
7440-28-0	Single		Thallium (Tl)	EPA 6010D	Wipe	N/A	CAM 16; CAM 17; Priority Pollutant	C-Metals by ICP	None for surfaces	Routine	1.00	ug/wipe	N/A	N/A	N/A	8708100			
7440-31-5	Single		Tin (Sn)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A		C-Metals by ICP	2	Routine	5.00	ug/wipe	87IH010	2	200	8715200	8715315		
7440-31-5	Single		Tin (Sn)	NIOSH 7300M / NIOSH 7303M – ICP/MS	Cassettes	N/A		C-Metals by ICP-MS	2	Routine	1.00	ug	87IH010	2	500	8715200	8715315		
7440-31-5	Single		Tin (Sn)	EPA 6010D	Wipe	N/A		C-Metals by ICP	None for surfaces	Routine	5.00	ug/wipe	N/A	N/A	N/A	8708100			
7440-32-6	Single		Titanium (Ti)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A		C-Metals by ICP	15	Routine	1.00	ug	87IH010	2	100	8715200	8715315		
7440-32-6	Single		Titanium (Ti)	NIOSH 7300M / NIOSH 7303M – ICP/MS	Cassettes	N/A		C-Metals by ICP-MS	15	Routine	0.50	ug	87IH010	2	100	8715200	8715315		
7440-32-6	Single		Titanium (Ti)	EPA 6010D	Wipe	N/A		C-Metals by ICP	None for surfaces	Routine	1.00	ug/wipe	N/A	N/A	N/A	8708100			



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108-88-3	Single		Toluene	NIOSH 1501M	Tubes	Methylbenzene; Toluol	BTEX Profile; Hydrocarbon, Aromatic Profile; Organic Scan Profile	IH1508 - Toluene	752	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	8.70	ug	87IH005	0.20	8	87IH028			
108-88-3	Single		Toluene	NIOSH 1501M	Badge	Methylbenzene; Toluol	BTEX Profile; Hydrocarbon, Aromatic Profile; Organic Scan Profile	IH1508 - Toluene	752	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	8.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
108-88-3	Single		Toluene	EMSL In-House Method; SOP VOCs by GC	Tubes	Methylbenzene; Toluol		IH-Toluene-EMSL InHouse Method-IH7117	752	Routine	2.94	ug	87IH005	0.20	8	87IH028			
108-88-3	Single		Toluene	EMSL In-House Method; SOP VOCs by GC	Badge	Methylbenzene; Toluol		IH-Toluene-EMSL InHouse Method-IH7117	752	Routine	3.02	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
68334-30-5	Single		Total Petroleum Hydrocarbons (as Diesel / #2 Fuel Oil)	EMSL In-House Method; SOP VOCs by GC	Badge	TPH		IH-TPH Diesel Fuel-EMSL InHouse Method-IH7118	100	Routine	26.80	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
68334-30-5	Single		Total Petroleum Hydrocarbons (as Diesel / #2 Fuel Oil)	NIOSH 1550M	Tubes	TPH		IH0003 - Total Hydrocarbons (as diesel/fuel oil#2)	100	Routine	7.40	ug	87IH005	0.20	10	87IH028			
68334-30-5	Single		Total Petroleum Hydrocarbons (as Diesel / #2 Fuel Oil)	NIOSH 1550M	Badge	TPH		IH0003 - Total Hydrocarbons (as diesel/fuel oil#2)	100	Routine	7.40	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
8006-61-9	Single		Total Petroleum Hydrocarbons (as gasoline)	EMSL In-House Method; SOP VOCs by GC	Tubes	TPH		IH-TPH Gasoline-EMSL InHouse Method-IH7119	900	Routine	15.30	ug	87IH005	0.20	10	87IH028			
8006-61-9	Single		Total Petroleum Hydrocarbons (as gasoline)	EMSL In-House Method; SOP VOCs by GC	Badge	TPH		IH-TPH Gasoline-EMSL InHouse Method-IH7119	900	Routine	15.30	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
8006-61-9	Single		Total Petroleum Hydrocarbons (as gasoline)	NIOSH 1550M	Tubes	TPH		IH0002 - Total Hydrocarbons (as gasoline)	900	Routine	7.90	ug	87IH005	0.20	10	87IH028			
8006-61-9	Single		Total Petroleum Hydrocarbons (as gasoline)	NIOSH 1550M	Badge	TPH		IH0002 - Total Hydrocarbons (as gasoline)	900	Routine	7.90	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
8032-32-4	Single		Total Petroleum Hydrocarbons (as VM&P Naphtha)	NIOSH 1550M	Tubes	TPHN		IH0001 - Total Hydrocarbons (as naphtha)	350	Routine	7.90	ug	87IH005	0.20	10	87IH028			
8032-32-4	Single		Total Petroleum Hydrocarbons (as VM&P Naphtha)	NIOSH 1550M	Badge	TPHN		IH0001 - Total Hydrocarbons (as naphtha)	350	Routine	7.90	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
110-54-3	Single		Total Volatile Organic Compounds (TVOC) (as n-Hexane)	NIOSH 1500M	Tubes	TVOCl as n-Hexane		IHC5I012 - VOC(as n-hexane)	1764	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	6.60	ug	87IH005	0.050	10	87IH028			
110-54-3	Single		Total Volatile Organic Compounds (TVOC) (as n-Hexane)	NIOSH 1500M	Badge	TVOCl as n-Hexane		IHC5I012 - VOC(as n-hexane)	1764	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	6.60	ug	N/A	N/A	N/A	87IH069	87IH070	87IH174	



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79-00-5	Single	1,1,2-	Trichloroethane	NIOSH 1003M	Tubes	Vinylchloride		IH1015 - 1,1,2-Trichloroethane	52	Routine. Interferences: None identified	14.40	ug	87IH005	0.050	10	87IH028			
79-00-5	Single	1,1,2-	Trichloroethane	NIOSH 1003M	Badge	Vinylchloride		IH1015 - 1,1,2-Trichloroethane	52	Routine. Interferences: None identified	14.40	ug	N/A	N/A	N/A	87IH069	87IH070	87IH174	
71-55-6	Single	1,1,1-	Trichloroethane	NIOSH 1003M	Tubes	Methylchloroform; Trichloroethane		IH1016 - 1,1,1-Trichloroethane	1907	Routine. Interferences: None identified	14.40	ug	87IH005	0.20	10	87IH028			
71-55-6	Single	1,1,1-	Trichloroethane	NIOSH 1003M	Badge	Methylchloroform; Trichloroethane		IH1016 - 1,1,1-Trichloroethane	1907	Routine. Interferences: None identified	14.40	ug	N/A	N/A	N/A	87IH069	87IH070	87IH174	
71-55-6	Single	1,1,1-	Trichloroethane	EMSL In-House Method; SOP VOCs by GC	Tubes	Methylchloroform; Trichloroethane		IH-1,1,1-Trichloroethane-EMSL InHouse Method-IH7121	1907	Routine	2.91	ug	87IH005	0.050	10	87IH028			
71-55-6	Single	1,1,1-	Trichloroethane	EMSL In-House Method; SOP VOCs by GC	Badge	Methylchloroform; Trichloroethane		IH-1,1,1-Trichloroethane-EMSL InHouse Method-IH7121	1907	Routine	2.88	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
79-01-6	Single	1,1,2-	Trichloroethylene	NIOSH 1003M	Tubes	Trichloroethylene		IH1017 - Trichloroethylene	537	Routine. Interferences: None identified	15.00	ug	87IH005	0.050	10	87IH028			
79-01-6	Single	1,1,2-	Trichloroethylene	NIOSH 1003M	Badge	Trichloroethylene		IH1017 - Trichloroethylene	537	Routine. Interferences: None identified	15.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
79-01-6	Single	1,1,2-	Trichloroethylene	EMSL In-House Method; SOP VOCs by GC	Tubes	Trichloroethylene		IH-Trichloroethylene-EMSL InHouse Method-IH7116	537	Routine	3.00	ug	87IH005	0.050	10	87IH028			
79-01-6	Single	1,1,2-	Trichloroethylene	EMSL In-House Method; SOP VOCs by GC	Badge	Trichloroethylene		IH-Trichloroethylene-EMSL InHouse Method-IH7116	537	Routine	2.97	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
96-18-4	Single	1,2,3-	Trichloropropane	NIOSH 1003M	Tubes	Trichlorohydrin; Allyl Trichloride		IH1018 - 1,2,3-Trichloropropane	300	Routine. Interferences: None identified	14.00	ug	87IH005	0.050	10	87IH028			
96-18-4	Single	1,2,3-	Trichloropropane	NIOSH 1003M	Badge	Trichlorohydrin; Allyl Trichloride		IH1018 - 1,2,3-Trichloropropane	300	Routine. Interferences: None identified	14.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
108-67-8	Single	1,3,5-	Trimethylbenzene	NIOSH 1501M	Tubes	Mesitylene; Benzene, 1,3,5-trimethyl-		IH1509 - 1,3,5-Trimethylbenzene	125	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	8.60	ug	87IH005	0.20	10	87IH028			
108-67-8	Single	1,3,5-	Trimethylbenzene	NIOSH 1501M	Badge	Mesitylene; Benzene, 1,3,5-trimethyl-		IH1509 - 1,3,5-Trimethylbenzene	125	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	8.60	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
95-63-6	Single	1,2,4-	Trimethylbenzene	NIOSH 1501M	Tubes	Pseudocumene; Pseudocumol		IH1510 - 1,2,4-Trimethylbenzene	125	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	8.60	ug	87IH005	0.20	10	87IH028			



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95-63-6	Single	1,2,4-	Trimethylbenzene	NIOSH 1501M	Badge	Pseudocumene; Pseudocumol		IH1510 - 1,2,4-Trimethylbenzene	125	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	8.60	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
526-73-8	Single	1,2,3-	Trimethylbenzene	NIOSH 1501M	Tubes	Benzene, 1,2,3-trimethyl-		IH1511 - 1,2,3-Trimethylbenzene	125	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	8.60	ug	87IH005	0.20	10	87IH028			
526-73-8	Single	1,2,3-	Trimethylbenzene	NIOSH 1501M	Badge	Benzene, 1,2,3-trimethyl-		IH1511 - 1,2,3-Trimethylbenzene	125	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	8.60	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
526-73-8	Single	1,2,3-	Trimethylbenzene	EMSL In-House Method; SOP VOCs by GC	Badge	Benzene, 1,2,3-trimethyl-		IH-1,2,3-Trimethylbenzene-EMSL InHouse Method-IH7123	125	Routine	3.15	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
95-63-6	Single	1,2,4-	Trimethylbenzene	EMSL In-House Method; SOP VOCs by GC	Tubes	Pseudocumene; Pseudocumol		IH-1,2,4-Trimethylbenzene-EMSL InHouse Method-IH7124	125	Routine	2.97	ug	87IH005	0.20	10	87IH028			
95-63-6	Single	1,2,4-	Trimethylbenzene	EMSL In-House Method; SOP VOCs by GC	Badge	Pseudocumene; Pseudocumol		IH-1,2,4-Trimethylbenzene-EMSL InHouse Method-IH7124	125	Routine	3.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
108-67-8	Single	1,3,5-	Trimethylbenzene	EMSL In-House Method; SOP VOCs by GC	Tubes	Mesitylene; Benzene, 1,3,5-trimethyl-		IH-1,3,5-Trimethylbenzene-EMSL InHouse Method-IH7125	125	Routine	3.00	ug	87IH005	0.20	10	87IH028			
108-67-8	Single	1,3,5-	Trimethylbenzene	EMSL In-House Method; SOP VOCs by GC	Badge	Mesitylene; Benzene, 1,3,5-trimethyl-		IH-1,3,5-Trimethylbenzene-EMSL InHouse Method-IH7125	125	Routine	2.94	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
8006-64-2	Single		Turpentine	NIOSH 1551	Tubes	Myrcenyl Acetate		IH1512 - Turpentine	559	Routine	10.00	ug	87IH005	0.20	200	87IH028			
8006-64-2	Single		Turpentine	NIOSH 1551	Badge	Myrcenyl Acetate		IH1512 - Turpentine	559	Routine	10.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
7440-62-2	Single		Vanadium (V)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A	CAM 16; CAM 17; Welding Fume	C-Metals by ICP	0.1	Routine	1.00	ug	87IH010	2.0	200	8715200	8715315		
7440-62-2	Single		Vanadium (V)	NIOSH 7300M / NIOSH 7303M – ICP/MS	Cassettes	N/A	CAM 16; CAM 17; Welding Fume	C-Metals by ICP-MS	0.1	Routine	0.50	ug	87IH010	2.0	200	8715200	8715315		
7440-62-2	Single		Vanadium (V)	EPA 6010D	Wipe	N/A	CAM 16; CAM 17; Welding Fume	C-Metals by ICP	None for surfaces	Routine	0.50	ug/wipe	N/A	N/A	N/A	8708100			
108-05-4	Single		Vinyl Acetate	EMSL In-House Method; SOP VOCs by GC	Tubes	Ethynyl Acetate; Acetic Acid Ethenyl Ester		IH-Vinyl Acetate-InHouseMethod-IH7128	34	Routine	3.00	ug	87IH005	0.10	10	87IH028			
108-05-4	Single		Vinyl Acetate	EMSL In-House Method; SOP VOCs by GC	Badge	Ethynyl Acetate; Acetic Acid Ethenyl Ester		IH-Vinyl Acetate-InHouseMethod-IH7128	34	Routine	3.12	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	



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108-05-4	Single		Vinyl Acetate	NIOSH 1453	Tubes	Ethenyl Acetate; Acetic Acid Ethenyl Ester		IH1453 - Vinyl Acetate	34	Routine Interferences: Acids, bases, free radical initiators, etc.	9.30	ug	87IH005	0.10	10	87IH028			
108-05-4	Single		Vinyl Acetate	NIOSH 1453	Badge	Ethenyl Acetate; Acetic Acid Ethenyl Ester		IH1453 - Vinyl Acetate	34	Routine Interferences: Acids, bases, free radical initiators, etc.	9.30	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	87IH174
75-01-4	Single		Vinyl Chloride	EMSL In-House Method; SOP VOCs by GC	Badge	Chloroethylene; Chloroethene		IH-Vinyl Chloride (all isomers)-EMSL InHouse Method-IH7126	2.6	Routine, after sampling, separate primary and backup tubes and cap each to prevent migration.	16.30	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
75-01-4	Single		Vinyl Chloride	EMSL In-House Method; SOP VOCs by GC	Tubes	Chloroethylene; Chloroethene		IH-Vinyl Chloride -EMSL InHouse Method-IH7126	2.6	Routine, after sampling, separate primary and backup tubes and cap each to prevent migration.	16.30	ug	87IH005	0.050	3	87IH028			
75-01-4	Single		Vinyl Chloride	NIOSH 1007	Tubes	Chloroethylene; Chloroethene		IH1007 - Vinyl Chloride	2.6	Routine, after sampling, separate primary and backup tubes and cap each to prevent migration. Interferences: None identified	10.00	ug	87IH005	0.050	3	87IH028			
75-01-4	Single		Vinyl Chloride	NIOSH 1007	Badge	Chloroethylene; Chloroethene		IH1007 - Vinyl Chloride	2.6	Routine, after sampling, separate primary and backup tubes and cap each to prevent migration. Interferences: None identified	10.00	ug	N/A	N/A	N/A	87IH070			87IH177
25013-15-4	Single		Vinyl Toluene (All Isomers)	EMSL In-House Method; SOP VOCs by GC	Badge	Ethenylmethylbenzene; Methylstyrene; Tolyethylene		IH-Vinyl Toluene(all isomers)-EMSL InHouse Method-IH7127	482	Routine	3.58	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
88-12-0	Single	1-	Vinyl-2-Pyrrolidone	EMSL In-House Method; SOP VOCs by GC	Tubes	Vinylpyrrolidone; N-Methyl-2-Pyrrolidinone		IH-1-Vinyl-2-Pyrrolidone-EMSL InHouse Method-IH7137	0.227	Routine	10.00	ug	87IH005	0.20	10	87IH028			
88-12-0	Single	1-	Vinyl-2-Pyrrolidone	EMSL In-House Method; SOP VOCs by GC	Badge	Vinylpyrrolidone; N-Methyl-2-Pyrrolidinone		IH-1-Vinyl-2-Pyrrolidone-EMSL InHouse Method-IH7137	0.227	Routine	10.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
8032-32-4	Single		VM&P Naphtha	EMSL In-House Method; SOP VOCs by GC	Tubes	Ligroin		IH-VM&P Naphtha-EMSL InHouse Method-IH7129	350	Routine	28.80	ug	87IH005	0.2	10	87IH028			
8032-32-4	Single		VM&P Naphtha	EMSL In-House Method; SOP VOCs by GC	Badge	Ligroin		IH-VM&P Naphtha-EMSL InHouse Method-IH7129	350	Routine	28.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
95-47-6	Single	o-	Xylene	NIOSH 1501M	Tubes	1,2-Dimethylbenzene, 1,2-Xylene	BTEX Profile; Hydrocarbon, Aromatic Profile; Organic Scan Profile	IH1513 - o-Xylene	435	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	8.80	ug	87IH005	0.20	10	87IH028			



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95-47-6	Single	o-	Xylene	NIOSH 1501M	Badge	1,2-Dimethylbenzene, 1,2-Xylene	BTEX Profile; Hydrocarbon, Aromatic Profile; Organic Scan Profile	IH1513 - o-Xylene	435	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	8.80	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
108-38-3	Single	m-	Xylene	EMSL In-House Method; SOP VOCs by GC	Badge	1,3-Dimethylbenzene; 1,3-Xylene		IH-Xylenes (m)-EMSL InHouse Method-IH7130	435	Routine	2.91	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
95-47-6	Single	o-	Xylene	EMSL In-House Method; SOP VOCs by GC	Badge	1,2-Dimethylbenzene, 1,2-Xylene		IH-Xylenes (o)-EMSL InHouse Method-IH7132	435	Routine	3.03	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
108-38-3	Single	m-	Xylene	EMSL In-House Method; SOP VOCs by GC	Tubes	1,3-Dimethylbenzene; 1,3-Xylene		IH-Xylenes (m)-EMSL InHouse Method-IH7130	435	Routine	3.00	ug	87IH005	0.10	10	87IH028			
95-47-6	Single	o-	Xylene	EMSL In-House Method; SOP VOCs by GC	Tubes	1,2-Dimethylbenzene, 1,2-Xylene		IH-Xylenes (o)-EMSL InHouse Method-IH7132	435	Routine	3.03	ug	87IH005	0.10	10	87IH028			
106-42-3	Single	p-	Xylene	EMSL In-House Method; SOP VOCs by GC	Tubes	1,4-Dimethylbenzene, 1,4-Xylene		IH-Xylenes (p)-EMSL InHouse Method-IH7133	435	Routine	3.00	ug	87IH005	0.10	10	87IH028			
106-42-3	Single	p-	Xylene	EMSL In-House Method; SOP VOCs by GC	Badge	1,4-Dimethylbenzene, 1,4-Xylene		IH-Xylenes (p)-EMSL InHouse Method-IH7133	435	Routine	3.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
179601-23-1	Single	m,p-	Xylenes	NIOSH 1501M	Tubes	Dimethylbenzenes; Methyltoluene; Xylene (Mixed Isomers)	BTEX Profile; Hydrocarbon, Aromatic Profile; Organic Scan Profile	IH1514 - m,p-Xylene	435	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	8.80	ug	87IH005	0.10	10	87IH028			
179601-23-1	Single	m,p-	Xylenes	NIOSH 1501M	Badge	Dimethylbenzenes; Methyltoluene; Xylene (Mixed Isomers)	BTEX Profile; Hydrocarbon, Aromatic Profile; Organic Scan Profile	IH1514 - m,p-Xylene	435	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	8.80	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
1330-20-7	Single	m,o,p-	Xylenes	NIOSH 1501M	Tubes	Dimethylbenzenes; Methyltoluene; Xylene (Mixed Isomers)		IH-m,o,p-Xylenes-NIOSH 1501-IH7152	435	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	8.80	ug	87IH005	0.10	10	87IH028			
1330-20-7	Single	m,o,p-	Xylenes	NIOSH 1501M	Badge	Dimethylbenzenes; Methyltoluene; Xylene (Mixed Isomers)		IH-m,o,p-Xylenes-NIOSH 1501-IH7152	435	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	8.80	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
1330-20-7	Single	m,o,p-	Xylenes	EMSL In-House Method; SOP VOCs by GC	Tubes	Dimethylbenzenes; Methyltoluene; Xylene (Mixed Isomers)		IH-Xylenes (m,o,p)-EMSL InHouse Method-IH7131	435	Routine	8.98	ug	87IH005	0.10	10	87IH028			
1330-20-7	Single	m,o,p-	Xylenes	EMSL In-House Method; SOP VOCs by GC	Badge	Dimethylbenzenes; Methyltoluene; Xylene (Mixed Isomers)		IH-Xylenes (m,o,p)-EMSL InHouse Method-IH7131	435	Routine	9.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	



CAS Number	Test Type	Test Prefix	Test	Method	Matrix	Synonym(s)	Group Package	EMSL Test Code	OSHA PEL or Other Value mg/m3	Sampling Instructions / Interferences	Reporting Limit ug/sample	Default Reporting Units	EMSL Pump Kit ID	Default Flow Rate (lpm)	Volume (L)	EMSL Collection Media 1 Shopping Cart ID	EMSL Collection Media 2 Shopping Cart ID	Collection Media 3 EMSL Product ID	Collection Media 4 EMSL Product ID
7440-66-6	Single		Zinc (Zn)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A	CAM 16; CAM 17; Solder Fume; Welding Fume; Priority Pollutant	C-Metals by ICP	15	Routine	1.00	ug	87IH010	2.0	200	8715200	8715315		
7440-66-6	Single		Zinc (Zn)	NIOSH 7300M / NIOSH 7303M – ICP/MS	Cassettes	N/A	CAM 16; CAM 17; Solder Fume; Welding Fume; Priority Pollutant	C-Metals by ICP-MS	15	Routine	0.50	ug	87IH010	2.0	200	8715200	8715315		
7440-66-6	Single		Zinc (Zn)	EPA 6010D	Wipe	N/A	CAM 16; CAM 17; Solder Fume; Welding Fume; Priority Pollutant	C-Metals by ICP	15	Routine	1.00	ug/wipe	N/A	N/A	N/A	8708100			
7440-67-7	Single		Zirconium (Zr)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A		C-Metals by ICP	5	Routine	5.00	ug	87IH010	2.0	200	8715200	8715315		
7440-67-7	Single		Zirconium (Zr)	NIOSH 7300M / NIOSH 7303M – ICP/MS	Cassettes	N/A		C-Metals by ICP-MS	5	Routine	0.50	ug	87IH010	2.0	200	8715200	8715315		
7440-67-7	Single		Zirconium (Zr)	EPA 6010D	Wipe	N/A		C-Metals by ICP	5	Routine	5.00	ug/wipe	N/A	N/A	N/A	8708100			



CAS Number	Test Type	Test Prefix	Test	Method	Matrix	Synonym(s)	Group Package	EMSL Test Code	OSHA PEL or Other Value mg/m3	Sampling Instructions / Interferences	Reporting Limit ug/sample	Default Reporting Units	EMSL Pump Kit ID	Default Flow Rate (lpm)	Volume (L)	EMSL Collection Media 1 Shopping Cart ID	EMSL Collection Media 2 Shopping Card ID	Collection Media 3 EMSL Product ID	Collection Media 4 EMSL Product ID
AG-IH7903	Group		Acid Profile, Inorganic (Hydrobromic Acid (Hydrogen Bromide), Hydrochloric Acid, Nitric Acid, Phosphoric Acid, Sulfuric Acid)	NIOSH 7903M	Tubes	N/A	Inorganic Acid Profile	IH7903 - Inorganic Acids, Full Scan	-	Routine	10.00	ug	87IH016	0.20	25	87IH031			
AG-IH6047	Group		Acid Profile, Non-Volatile (Phosphoric Acid, Sulfuric Acid)	NIOSH 7908M	Cassettes	N/A	Non-Volatile Acid Profile	IH-Non-Volatile Acid Profile-NIOSH 7908-IH6047	-	Routine	10.00	ug	87IH218	2.0	25	87IH175			
AG-IH6046	Group		Acid Profile, Volatile (Hydrobromic Acid, Hydrochloric Acid, Nitric Acid)	NIOSH 7907M	Cassettes	N/A	Volatile Acid Profile	IH-Volatile Acid Profile-NIOSH 7907-IH6046	-	Routine	10.00	ug	87IH217	2.0	25	87IH175			
AG-IH6081	Group		Acid Scan, Inorganic (Acid Mist)	OSHA ID-165SG	Tubes	N/A	Inorganic Acid Profile - OSHA 165SG/175SG	IH-Inorganic Acid Profile-OSHA ID165/174-SG-IH6081	-	Routine	See Individual Analyte	ug	87IH016	0.2	25	87IH031			
AG-IH2019	Group		Aldehyde Profile (Acetaldehyde, Acetone, Acrolein, Formaldehyde, Butyraldehyde, Benzaldehyde, Crotonaldehyde) - Additional Compounds Available	NIOSH 2016M	Tubes	N/A		IH2019 - Aldehyde Scan	-	Protect from heat. Store in freezer, ship cold (5C).	0.05	ug	87IH006	0.3	15	87IH030			
AG-IH2019	Group		Aldehyde Profile (Acetaldehyde, Acetone, Acrolein, Formaldehyde, Butyraldehyde, Benzaldehyde, Crotonaldehyde, Propionaldehyde) - Additional Compounds Available	NIOSH 2016M	Badge	N/A		IH2019 - Aldehyde Scan	-	Protect from heat. Store in freezer, ship cold (5C).	0.05	ug	N/A	N/A	15	87IH034	87IH215	87IH151	
AG-T-001016	Group		BTEX Profile (Benzene, Toluene, Ethyl Benzene, m,p-Xylene, o-Xylene)	NIOSH 1501M	Tubes	N/A		IH-BTEX	-	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	See Individual Analyte	ug	87IH005	0.20	10	87IH028			
AG-T-001016	Group		BTEX Profile (Benzene, Toluene, Ethyl Benzene, m,p-Xylene, o-Xylene)	NIOSH 1501M	Badge	N/A		IH-BTEX	-	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	See Individual Analyte	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
AG-IH5044	Group		Coal Tar Pitch Volatiles (Benzene Soluble Fraction) (Anthracene, Benzo(a)pyrene, Chrysene, Phenanthrene, Pyrene)	OSHA 58M	Cassettes	N/A		IH5044 PAHs - Coal Tar Pitch Volatiles - OSHA 58	0.2	Protect from light and heat. Wrap in foil, ship refrigerated (0C).	0.31-0.62	ug	87IH693	2	960	87IH040			
AG-IH4247	Group		Diisocyanate Profile (Hexamethylene Diisocyanate (HDI), Methylene Bisphenyl Diisocyanate (MDI), Toluene-2,4-Diisocyanate (2,4-TDI), Toluene-2,6-Diisocyanate (2,6-TDI))	OSHA 42/47M	Cassettes	N/A		IH4247 - Isocyanates	-	Media must be shipped cold overnight and stored frozen. Samples must be shipped refrigerated.	0.10	ug	87IH019	1	15	87IH048			



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AG-IHFG4	Group		Hydrocarbon Profile, C1-C6 Paraffins (Methane, Ethane, Propane, Butane, Pentane, Hexane)	EPA TO-3	Air	N/A		IHF4 - Hydrocarbons(C1-C6 par)	-	Routine	2.10	ppm	87IH153	N/A	N/A	87IH068			
AG-IH1501	Group		Hydrocarbon, Aromatic Profile (Benzene, Cumene, Ethylbenzene, m,p-Xylene, o-Xylene, Naphthalene, Styrene, Toluene)	NIOSH 1501M	Tubes	N/A		IH-1501	-	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	8.70	ug	87IH005	0.20	8	87IH028			
AG-IH1501	Group		Hydrocarbon, Aromatic Profile (Benzene, Cumene, Ethylbenzene, m,p-Xylene, o-Xylene, Naphthalene, Styrene, Toluene)	NIOSH 1501M	Badge	N/A		IH-1501	-	Routine, Store Cold (5C) Interferences: alcohols, ketones, ethers, halogenated hydrocarbons	8.70	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	
AG-C-000137	Group		Metals -CAM 16 (TITLE 22 Metals, no Hg) (16 Metals - As, Sb, Ba, Be, Cd, Cr, Co, Cu, Pb, Mo, Ni, Se, Ag, Ti, V, Zn)	NIOSH 7300M / NIOSH 7303M – ICP/MS	Cassettes	N/A		C-CAM 16 Metals by ICP	-	Routine	See Individual Analyte	ug	87IH010	2.0	30	8715200	8715315		
AG-C-000137	Group		Metals -CAM 16 (TITLE 22 Metals, no Hg) (16 Metals - As, Sb, Ba, Be, Cd, Cr, Co, Cu, Pb, Mo, Ni, Se, Ag, Ti, V, Zn)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A		C-CAM 16 Metals by ICP	-	Routine	See Individual Analyte	ug	87IH010	2.0	30	8715200	8715315		
AG-C-000139	Group		Metals-CAM 17 (TITLE 22 Metals - includes Hg) (17 Metals - As, Hg, Sb, Ba, Be, Cd, Cr, Co, Cu, Pb, Mo, Ni, Se, Ag, Ti, V, Zn)	NIOSH 7300M / NIOSH 7303M – ICP/MS	Cassettes	N/A		C-CAM 17 Metals by ICP	-	Routine	See Individual Analyte	ug	87IH010	2.0	30	8715200	8715315		
AG-C-000139	Group		Metals-CAM 17 (TITLE 22 Metals - includes Hg) (17 Metals - As, Hg, Sb, Ba, Be, Cd, Cr, Co, Cu, Pb, Mo, Ni, Se, Ag, Ti, V, Zn)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A		C-CAM 17 Metals by ICP	-	Routine	See Individual Analyte	ug	87IH010	2.0	30	8715200	8715315		
AG-C-000177	Group		Metals-Priority Pollutant Metals (13 Metals - Ag, As, Be, Cd, Cr, Cu, Hg, Ni, Pb, Sb, Se, Ti, Zn)	NIOSH 7300M / NIOSH 7303M – ICP/MS	Cassettes	N/A		C-Priority Pollutant Metals	-	Routine	See Individual Analyte	ug	87IH010	2.0	30	8715200	8715315		
AG-C-000177	Group		Metals-Priority Pollutant Metals (13 Metals - Ag, As, Be, Cd, Cr, Cu, Hg, Ni, Pb, Sb, Se, Ti, Zn)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A		C-Priority Pollutant Metals	-	Routine	See Individual Analyte	ug	87IH010	2.0	30	8715200	8715315		
AG-C-000187	Group		Metals-RCRA (7 metals - Ag, As, Ba, Cd, Cr, Pb, Se) (Hg not included)	NIOSH 7300M / NIOSH 7303M – ICP/MS	Cassettes	N/A		C-RCRA, Metals	-	Routine	See Individual Analyte	ug	87IH010	2.0	30	8715200	8715315		
AG-C-000187	Group		Metals-RCRA (7 metals - Ag, As, Ba, Cd, Cr, Pb, Se) (Hg not included)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A		C-RCRA, Metals	-	Routine	See Individual Analyte	ug	87IH010	2.0	30	8715200	8715315		
AG-C-000190	Group		Metals-Solder Fume Metals (9 Metals: Sb, Be, Cd, Cu, Co, Pb, Ag, Sn, Zn)	NIOSH 7300M / NIOSH 7303M – ICP/MS	Cassettes	N/A		C-Solder Metals by ICP	-	Routine	See Individual Analyte	ug	87IH010	2.0	30	8715200	8715315		
AG-C-000190	Group		Metals-Solder Fume Metals (9 Metals: Sb, Be, Cd, Cu, Co, Pb, Ag, Sn, Zn)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A		C-Solder Metals by ICP	-	Routine	See Individual Analyte	ug	87IH010	2.0	30	8715200	8715315		



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AG-C-000232	Group		Metals-Welding Fume Metals (15 Metals - Al, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Mo, Ni, Sb, Ti, V, Zn)	NIOSH 7300M / NIOSH 7303M – ICP/MS	Cassettes	N/A		C-Welding Fume Metals	-	Routine	See Individual Analyte	ug	87IH010	2.0	30	8715200	8715315		
AG-C-000232	Group		Metals-Welding Fume Metals (15 Metals - Al, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Mo, Ni, Sb, Ti, V, Zn)	NIOSH 7300M / NIOSH 7303M – ICP/OES	Cassettes	N/A		C-Welding Fume Metals	-	Routine	See Individual Analyte	ug	87IH010	2.0	30	8715200	8715315		
AG-IH506	Group		PAHs - Full List - Acenaphthene, Chrysene, Acenaphthylene, Dibenz(a,h)anthracene, Anthracene, Fluoranthene, Benz(a)anthracene, Fluorene, Benzo(b)fluoranthene Indeno(1,2,3cd)pyrene, Benzo(k)fluoranthene, Naphthalene, Benz(a)pyrene, Phenanthrene, Benzo(e)pyrene, Benzo(g,h,i)perylene)	NIOSH 5506M	Air (Cassette + Tube)	N/A		IH5506 - Polynucleararomatic hydrocarbons	0.2	Protect from light and heat. Wrap in foil, ship refrigerated (OC).	0.31-0.63	ug	87IH012	2	200	87IH092			
AG-IH511	Group		Pesticides, Chlorinated Profile (Aldrin, alpha-BHC, alpha-Chlordane, beta-beta-BHC, delta-BHC, Dieldrin, Endosulfan I, Endosulfan II, Endosulfan Sulfate, Endrin, Endrin aldehyde, Endrin ketone, gamma-BHC, Lindane, gamma-Chlordane, Heptachlor, Heptachlor Epoxide, Methoxychlor, Toxaphene, 4,4-DDD, 4,4-DDE, 4,4-DDT)	NIOSH 5510M	Tubes	N/A		IH5511 - Pesticides, orgcl	-	Routine	2.00	ug	87IH014	1	100	87IH041			
AG-IH5600	Group		Pesticides, Organophosphorus Profile - Acetochlor, Aldicarb, Atrazine, Bendiocarb, Bolstar, Carbaryl, Carbofuran, Chloryrifos, Cyanazine, Diazinon, Dichlorvos, Dimethoate, Disulfoton, Malathion, Methiocarb, Methylomyl, Oxamyl, Parathion ethyl, Parathion methyl, Simazine, Terbufos)	NIOSH 5600 5601M	Tubes	N/A		IH5600 - Pesticides, orgphos/nit	-	Routine	4.00	ug	87IH013	1	120	87IH092			
AG-IHCS1010	Group		Phthalate Esters - (Dimethyl Phthalate (DMP), Diethyl Phthalate (DEP), Dibutyl Phthalate (DBP), Di-2-Ethylhexyl Phthalate (DEHP), Di-n-Octyl Phthalate, (DNOP)) by OSHA 104 - Additional Esters \$75 ea.	OSHA 104	Tubes	N/A		IHCS1010 - Phthalate esters	-	Routine	1.00	ug	87IH005	1	240	87IH58			



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AG-C-000167	Group		Polychlorinated Biphenyls (PCBs)	EPA TO-10A	Tubes	N/A		C-PCB (TO-10A)	0.5	Ship and store samples refrigerated.		ug/m3	87IH018	varies	varies	Hidden for now because we need to figure out the media - have to order a media			
AG-IH5503	Group		Polychlorinated Biphenyls (PCBs)	NIOSH 5503M	Tubes	N/A		IH5503 - PCBs	0.5	Transfer filters to glass vials after sampling	0.00	ug	87IH018	0.2	25	87IH089			
AG-IH5503	Group		Polychlorinated Biphenyls (PCBs)	NIOSH 5503M	Cassettes	N/A		IH5503 - PCBs	0.5	Transfer filters to glass vials after sampling	0.03	ug/m3	87IH018	0.2	25	87IH085			
AG-C-000168	Group		Polychlorinated Biphenyls (PCBs)	EPA TO-4A	Tubes	N/A		C-PCB (TO-4A)	0.5	Ship and store samples refrigerated.		ug/m3	N/A	N/A	N/A				
AG-IHFG20	Group		Sulfur Gas Profile (Hydrogen Sulfide, Carbonyl Sulfide, Methyl Mercaptan, Ethyl Mercaptan, Dimethyl Sulfide)	ASTM D5504	Air	Sulfur Gas Panel	Sulfur Gas Panel	IHF20 - Sulfur Gas Panel	-	Ship overnight (24 hr Hold Time)	11.00	ug	87IH153	N/A	N/A	87IH068			
AG-IH6077	Group		Tear Gas, Total (CS + CN) - α-Chloroacetophenone + o-Chlorobenzylidene Malonitrile	OSHA CSI	Tubes	N/A		IH-Tear Gas,Total (CS and CN)-OSHA CSI-IH6077	0.3	Routine	1.00	ug	87IH266	0.1	10	87IH042			
AG-T-001251	Group		Volatile Organic Profile Scan, 20 Compounds (MEGA List), (Benzene, Carbon Tetrachrlide, Chlorobenzene, Chloroform, Ethyl Acetate, Ethylbenzene, Naphthalene, Perchloroethylene, Toluene, 1-Butanol, 2-Butanol, 1,2-Dichlorethane, 1,2-Dichloropropane, 1,2-Dichlorobenzene, 2-Hexanone, 2-Heptanone, 1,1,2,2-Tetrachloroethane, m-Xylene, o-Xylene, p-Xylene)	Multiple Methods	Tubes	N/A		IHMega - Volatile Organic Scan	-	Routine	7.90	ug	87IH005	0.2	10	87IH028			
AG-T-001251	Group		Volatile Organic Profile Scan, 20 Compounds (MEGA List), (Benzene, Carbon Tetrachrlide, Chlorobenzene, Chloroform, Ethyl Acetate, Ethylbenzene, Naphthalene, Perchloroethylene, Toluene, 1-Butanol, 2-Butanol, 1,2-Dichlorethane, 1,2-Dichloropropane, 1,2-Dichlorobenzene, 2-Hexanone, 2-Heptanone, 1,1,2,2-Tetrachloroethane, m-Xylene, o-Xylene, p-Xylene)	Multiple Methods	Badge	N/A		IHMega - Volatile Organic Scan	-	Routine	7.90	ug	N/A	N/A	N/A	87IH069	87IH070	87IH192	



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AG-IH7143	Group		Volatile Organic Profile Scan, 22 Compounds [Acetone; Benzene; Chlorobenzene; Chloroform; Ethanol; Ethyl Benzene; Isopropanol; Methyl Ethyl Ketone (MEK); Methylene Chloride; Methyl Isobutyl Ketone (MIBK); n-Butyl Acetate; n-Hexane; Trichloroethylene; Tetrachloroethylene (Tetrachloethene); 1,1,1-Trichlorethane; Toluene; Xylenes]	EMSL In-House Method; SOP VOCs by GC	Badge	N/A		IH-Volatile Organics Profile (22)-IH7143	-	Routine	See Individual Analyte	ug	N/A	N/A	N/A	87IH069	87IH070		
AG-IH6067	Group		Waste Anesthetic Gases (WAGs) Profile - (Choose 3: Desflurane, Enflurane, Halothane, Methoxyflurane, Isoflurane, Sevoflurane)	OSHA 103M	Tubes	Anesthetic Gases		IH-Waste Anesthetic Gases Profile-OSHA103M H6067	-	Ship and store samples refrigerated.	10.00	ug	87IH005	0.050	12	87IH111			
AG-IH6067	Group		Waste Anesthetic Gases (WAGs) Profile - (Choose 3: Desflurane, Enflurane, Halothane, Methoxyflurane, Isoflurane, Sevoflurane)	OSHA 103M	Badge	Anesthetic Gases		IH-Waste Anesthetic Gases Profile-OSHA103M H6067	-	Ship and store samples refrigerated.	10.00	ug	N/A	N/A	N/A	87IH069	87IH070	87IH177	



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TSI IAQ-CALC (CO,CO2, Temp, RH)	\$60	\$250	\$2,100
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MiniRae	\$150	\$400	\$3,940
ppbRAE 3000	\$175	\$450	\$7,030
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Indoor Air Quality Equipment	Daily	Weekly	Purchase Price
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