

# Assay Technology Inc - Sampling Guide

# - Indicates the badge / chemical combination we recommend.

Many of the NIOSH/OSHA methods have been modified. For a list of significant modifications, go to [www.assaytech.com](http://www.assaytech.com). Information in this table can change without notice.

Chemical	CAS No	Media/Item #	Media Description	Sampling Rate (mL/min)	PEL	STEL	8 hr Rpt Lmt	RL (ug)	Vol (L)	TAT	Method Ref	Test Group	Synonyms	Notes/Comments
Acetaldehyde #	75-07-0	571AT #	571AT Badge	11.7	OSHA 200 PPM	25 PPM	0.50 PPM	3	10	6	MOD EPA TO-11	Aldehyde		Sampling rate has been lab verified.
Acetaldehyde	75-07-0	581AT	581AT Badge	84.7	OSHA 200 PPM	25 PPM	0.041 PPM	3	10	6	MOD EPA TO-11	Aldehyde		
Acetic Acid	64-19-7	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 10 PPM	0.25 PPM	0.25 PPM	3	24	6	OSHA PV2119 MODIFIED	Acetic Acid		
Acetic Acid #	64-19-7	543AT #	543AT Badge	11	OSHA 10 PPM		0.23 PPM	3	6	6	OSHA PV2119 MODIFIED	Acetic Acid		Charcoal media encased in PTFE (eg AT 566, 546, and 525) can be used with a GC method like NIOSH 1603, but not with an ion chromatograph like the partially validated OSHA method Z119 or 1865G. Sampling rate has been lab verified.
Acetone #	67-64-1	546AT #	546AT Badge	3.23	OSHA 1000 PPM		0.54 PPM	2	6	6	AT L-OV (GC/FID)	OV List A		Sampling rate has been lab verified.
Acetone	67-64-1	566AT	566AT Badge	12.9	OSHA 1000 PPM		0.14 PPM	2	6	6	AT L-OV (GC/FID)	OV List A		Sampling rate has been lab verified.
Acetone	67-64-1	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 1000 PPM		0.018 PPM	2	10	6	AT L-OV (GC/FID)	OV List A		
Acetone	67-64-1	525AT	525AT Badge	87.2	OSHA 1000 PPM		0.020 PPM	2	6	6	AT L-OV (GC/FID)	OV List A		This chemical is on the Organic Solvent Panel. (OSP). Search for "OSP" to see all the chemicals together on the Guide. Sampling rate has been lab verified.
Acetonitrile	75-05-8	546AT	546AT Badge	3.48	OSHA 40 PPM		0.50 PPM	1.4	6	6	AT L-OV (GC/FID)	OV List A		Sampling rate has been lab verified.
Acetonitrile #	75-05-8	566AT #	566AT Badge	13.9	OSHA 40 PPM		0.12 PPM	1.4	6	6	AT L-OV (GC/FID)	OV List A		Sampling rate has been lab verified.
Acetonitrile	75-05-8	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 40 PPM		0.017 PPM	1.4	10	6	AT L-OV (GC/FID)	OV List A		
Acetonitrile	75-05-8	525AT	525AT Badge	98.3	OSHA 40 PPM		0.018 PPM	1.4	6	6	AT L-OV (GC/FID)	OV List A		
Acetophenone	98-86-2	566AT	566AT Badge	8	OSHA 40 PPM		0.26 PPM	5	6	6	AT L-OV (GC/FID)	OV List B		Sampling rate has been lab verified.
Acrolin #	107-02-8	592AT #	592AT Badge	8.56	OSHA 0.1 PPM		0.053 PPM	0.5	10	6	MOD OSHA 52	Acrolin	Propenal	Sampling rate has been lab verified.
Acrolin	107-02-8	J6-117	Tube, XAD-2 (2-HMP) 75-1150mg Tube		OSHA 0.1 PPM		0.5	0.5	10	6	MOD OSHA 52	Acrolin	Propenal	
Acrylonitrile	107-13-1	546AT	546AT Badge	3.23	OSHA 2 PPM	OSHA CEILING 10 PPM	0.30 PPM	1	6	6	MOD NIOSH 1604	OV List A		
Acrylonitrile	107-13-1	566AT	566AT Badge	12.9	OSHA 2 PPM	OSHA CEILING 10 PPM	0.074 PPM	1	6	6	MOD NIOSH 1604	OV List A		
Acrylonitrile	107-13-1	J6-001	Tube, Charcoal 50-100mg Tube	0.096 L/min	OSHA 2 PPM	OSHA CEILING 10 PPM	0.096 PPM	1	20	6	MOD NIOSH 1604	OV List A		
Acrylonitrile #	107-13-1	525AT #	525AT Badge	88	OSHA 2 PPM	OSHA CEILING 10 PPM	0.011 PPM	1	6	6	MOD NIOSH 1604	OV List A		
Allyl Alcohol	107-18-6	546AT	546AT Badge	3.01	OSHA 2 PPM	NIOSH CEILING 4 PPM	0.26 PPM	0.9	6	6	AT L-OV (GC/FID)	OV List A		
Allyl Alcohol	107-18-6	566AT	566AT Badge	12.1	OSHA 2 PPM	NIOSH CEILING 4 PPM	0.065 PPM	0.9	6	6	AT L-OV (GC/FID)	OV List A		
Allyl Alcohol #	107-18-6	525AT #	525AT Badge	84.8	OSHA 2 PPM	NIOSH CEILING 4 PPM	0.0093 PPM	0.9	6	6	AT L-OV (GC/FID)	OV List A		
Allyl Chloride	107-05-1	546AT	546AT Badge	2.62	OSHA 2 PPM		0.28 PPM	1.1	6	6	AT L-OV (GC/FID)	OV List A		
Allyl Chloride	107-05-1	566AT	566AT Badge	10.5	OSHA 2 PPM		0.070 PPM	1.1	6	6	AT L-OV (GC/FID)	OV List A		
Allyl Chloride #	107-05-1	525AT #	525AT Badge	84.8	OSHA 2 PPM		0.0086 PPM	1.1	6	6	AT L-OV (GC/FID)	OV List A		
Aluminum	7429-90-5	J57MCE208	Cassette, MCE Cassette	2.0 L/min	OSHA 15 MG/M3		0.0021 MG/M3	2	1000	6	MOD OSHA ID 125G	ICP		
Aluminum	7429-90-5	J5-024 SMR TAB	Smear Tab		OSHA 15 MG/M3		2	2	6	6	MOD OSHA ID 125G	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.
Aluminum Chloride	7446-70-0	J5-024 SMR TAB	Smear Tab				5	6	6	6	MOD OSHA ID 125G	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.
Aluminum Chloride	7446-70-0	J57MCE208	Cassette, MCE Cassette	2.0 L/min			0.0052 MG/M3	5	1000	6	MOD OSHA ID 125G	ICP		
Ammonia #	7664-41-7	584AT #	584AT Badge	28.8	OSHA 50 PPM		0.31 PPM	3	6	6	MOD OSHA ID 188	Ammonia		Sampling rate has been lab verified.
Ammonia	7664-41-7	J6-010-06	Tube, Silica Gel-w/H2SO4 100-1200mg Tube	0.10 L/min	OSHA 50 PPM		0.090 PPM	3	24	6	MOD OSHA ID 188	Ammonia		
Ammonia #	7664-41-7	584AT #	584AT Badge	28.8	OSHA 50 PPM		0.31 PPM	3	6	6	MOD OSHA ID 188	Ammonia		Sampling rate has been lab verified.
Ammonia	7664-41-7	584AT	584AT Badge	38.9	OSHA 50 PPM		0.23 PPM	3	6	6	MOD OSHA ID 188	Ammonia		Sampling rate has been lab verified.
Ammonia (Part. Screen) #	7664-41-7	584AT #	584AT Badge	23	OSHA 50 PPM		0.39 PPM	3	6	6	MOD OSHA ID 188	Ammonia		Sampling rate has been lab verified.
Amyl Acetate #	628-63-7	566AT #	566AT Badge	8.03	OSHA 100 PPM		0.044 PPM	0.9	6	6	AT L-OV (GC/FID)	OV List A		
Amyl Acetate	628-63-7	546AT	546AT Badge	2.01	OSHA 100 PPM		0.18 PPM	0.9	6	6	AT L-OV (GC/FID)	OV List A		
Antimony	7440-36-0	J5-024 SMR TAB	Smear Tab		OSHA 0.5 MG/M3		0.5	0.5	6	6	MOD OSHA ID 125G	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water
Antimony	7440-36-0	J57MCE208	Cassette, MCE Cassette	2.0 L/min	OSHA 0.5 MG/M3		0.00052 MG/M3	0.5	1000	6	MOD OSHA ID 125G	ICP		
Arsenic	7440-38-2	J5-025 G WIPE	Ghost Wipe		OSHA 0.01 MG/M3	NIOSH CEILING 0.002 MG/M3	0.5	0.5	6	6	MOD OSHA ID 125G	ICP		J8109K: J5-025 + J8054 (Ghost wipe with Vial). Ghost wipes are pre-moistened with DI water. Additional DI water is not necessary.
Arsenic	7440-38-2	J5-024 SMR TAB	Smear Tab		OSHA 0.01 MG/M3	NIOSH CEILING 0.002 MG/M3	0.5	0.5	6	6	MOD OSHA ID 125G	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water
Arsenic	7440-38-2	J57MCE208	Cassette, MCE Cassette	2.0 L/min	OSHA 0.01 MG/M3	NIOSH CEILING 0.002 MG/M3	0.00052 MG/M3	0.5	1000	6	MOD OSHA ID 125G	ICP		
Barium	7440-39-3	J5-024 SMR TAB	Smear Tab		NIOSH 0.5 MG/M3		0.05	0.05	6	6	MOD OSHA ID 125G	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water
Barium	7440-39-3	J57MCE208	Cassette, MCE Cassette	2.0 L/min	NIOSH 0.5 MG/M3		0.000052 MG/M3	0.05	1000	6	MOD OSHA ID 125G	ICP		
Benzaldehyde #	100-52-7	571AT #	571AT Badge	6.97			0.021 PPM	0.3	10	6	MOD EPA TO-11	Aldehyde	Benzal	
Benzaldehyde	100-52-7	581AT	581AT Badge	65.8			0.0022 PPM	0.3	10	6	MOD EPA TO-11	Aldehyde	Benzal	
Benzene	71-43-2	546AT	546AT Badge	2.42	OSHA 1 PPM	OSHA STEL 5 PPM	0.11 PPM	0.4	6	6	AT L-OV (GC/FID)	OV List A		Sampling rate has been lab verified.
Benzene	71-43-2	566AT	566AT Badge	9.69	OSHA 1 PPM	OSHA STEL 5 PPM	0.027 PPM	0.4	6	6	AT L-OV (GC/FID)	OV List A		Sampling rate has been lab verified.
Benzene	71-43-2	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 1 PPM	OSHA STEL 5 PPM	0.0026 PPM	0.4	10	6	AT L-OV (GC/FID)	OV List A		
Benzene #	71-43-2	525AT #	525AT Badge	76.7	OSHA 1 PPM	OSHA STEL 5 PPM	0.0034 PPM	0.4	6	6	AT L-OV (GC/FID)	OV List A		This chemical is on the Organic Solvent Panel. (OSP). Search for "OSP" to see all the
Benzyl Alcohol #	100-51-6	566AT #	566AT Badge	8.5			0.28 PPM	5	6	6	AT L-OV (GC/FID)	Phenoly		
Benzyl Alcohol	100-51-6	546AT	546AT Badge	2.13			1.1 PPM	5	6	6	AT L-OV (GC/FID)	Phenoly		
Benzyl Alcohol	100-51-6	525AT	525AT Badge	65.4			0.036 PPM	5	6	6	AT L-OV (GC/FID)	Phenoly		
Benzyl Chloride	100-44-7	546AT	546AT Badge	2.03	OSHA 1 PPM	NIOSH CEILING 1 PPM	0.20 PPM	1	6	6	AT L-OV (GC/FID)	OV List B		
Benzyl Chloride	100-44-7	566AT	566AT Badge	8.14	OSHA 1 PPM	NIOSH CEILING 1 PPM	0.046 PPM	1	6	6	AT L-OV (GC/FID)	OV List B		
Benzyl Chloride	100-44-7	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 1 PPM	NIOSH CEILING 1 PPM	0.0040 PPM	1	10	6	AT L-OV (GC/FID)	OV List B		
Benzyl Chloride #	100-44-7	525AT #	525AT Badge	59.2	OSHA 1 PPM	NIOSH CEILING 1 PPM	0.0068 PPM	1	6	6	AT L-OV (GC/FID)	OV List B		
Beryllium	7440-41-7	J5-024 SMR TAB	Smear Tab		OSHA 0.002 MG/M3	OSHA CEILING 0.005 MG/M3	0.05	0.05	6	6	MOD OSHA ID 125G	ICP		Does not include Beryllium Oxide. Contact Customer Service for Beryllium Oxide Testing. Order Kit J58114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.
Beryllium	7440-41-7	J5-025 G WIPE	Ghost Wipe		OSHA 0.002 MG/M3	OSHA CEILING 0.005 MG/M3	0.05	0.05	6	6	MOD OSHA ID 125G	ICP		Does not include Beryllium Oxide. Contact Customer Service for Beryllium Oxide
Beryllium	7440-41-7	J57MCE208	Cassette, MCE Cassette	2.0 L/min	OSHA 0.002 MG/M3	OSHA CEILING 0.005 MG/M3	0.000052 MG/M3	0.05	1000	6	MOD OSHA ID 125G	ICP		
Boron	7440-42-8	J5-024 SMR TAB	Smear Tab				0.5	0.5	6	6	MOD OSHA ID 125G	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water
Boron	7440-42-8	J57MCE208	Cassette, MCE Cassette	2.0 L/min			0.00052 MG/M3	0.5	1000	6	MOD OSHA ID 125G	ICP		
Bromine	7726-95-6	J5-9006	Cassette, PTFE Ag membrane	1.0 L/min	OSHA 0.1 PPM		0.0016 PPM	5	360	6	MOD NIOSH 6011	Halogen		
1,3-Butadiene	106-99-0	546AT	546AT Badge	3.2	OSHA 1 PPM	OSHA STEL 5 PPM	0.18 PPM	0.6	6	6	AT L-OV (GC/FID)	OV List A		It is not recommended that 1,3-Butadiene be collected on the 525 badge.
1,3-Butadiene #	106-99-0	566AT #	566AT Badge	12.8	OSHA 1 PPM	OSHA STEL 5 PPM	0.044 PPM	0.6	6	6	AT L-OV (GC/FID)	OV List A		It is not recommended that 1,3-Butadiene be collected on the 525 badge.
1,3-Butadiene	106-99-0	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 1 PPM	OSHA STEL 5 PPM	0.0057 PPM	0.6	10	6	AT L-OV (GC/FID)	OV List A		
1,3-Butadiene	106-99-0	525AT	525AT Badge	85.1	OSHA 1 PPM	OSHA STEL 5 PPM	0.0066 PPM	0.6	6	6	AT L-OV (GC/FID)	OV List A		
1,4-Butanediamine	110-60-1	585AT	585AT Badge	7.87			0.073 PPM	1	10	6	MOD OSHA 60	Amine		
2-Butanol	78-92-2	546AT	546AT Badge	2.67	OSHA 150 PPM	NIOSH STEL 150 PPM	0.18 PPM	0.7	6	6	AT L-OV (GC/FID)	OV List A	sec-Butyl Alcohol	
2-Butanol	78-92-2	566AT #	566AT Badge	10.7	OSHA 150 PPM	NIOSH STEL 150 PPM	0.045 PPM	0.7	6	6	AT L-OV (GC/FID)	OV List A	sec-Butyl Alcohol	
2-Butoxyethanol	111-76-2	546AT	546AT Badge	2.11	OSHA 50 PPM		1.0 PPM	5	6	6	AT L-OV (GC/FID)	OV List A	Butyl Cellulosive	Sampling rate has been lab verified.
2-Butoxyethanol #	111-76-2	566AT #	566AT Badge	8.43	OSHA 50 PPM		0.26 PPM	5	6	6	AT L-OV (GC/FID)	OV List A	Butyl Cellulosive	Sampling rate has been lab verified.
2-Butoxyethanol	111-76-2	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 50 PPM		0.022 PPM	5	10	6	AT L-OV (GC/FID)	OV List A	Butyl Cellulosive	
2-Butoxyethanol	111-76-2	525AT	525AT Badge	52.7	OSHA 50 PPM		0.041 PPM	5	6	6	AT L-OV (GC/FID)	OV List A	Butyl Cellulosive	Sampling rate has been

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OSP = Organic Solvent Panel. See X525-25AT

# - Indicates the badge / chemical combination we recommend.

Chemical	CAS No	Media/Item #	Media Description	Sampling Rate (mL/min)	PEL	STEL	8 hr Rpt Lmt	RL (ug)	Vol (L)	TAT	Method Ref	Test Group	Synonyms	Notes/Comments	
Butyl Acrylate #	141-32-2	525AT #	525AT Badge	58.4			0.0088 PPM	1.3	6	6	AT L-OV (GC/FID)	OV List A			
N-Butyl Alcohol	71-36-3	546AT #	546AT Badge	2.67	OSHA 100 PPM	NIOSH CEILING 50 PPM	0.26 PPM	1	6	6	AT L-OV (GC/FID)	OV List A	n-Butanol, Butyl Alcohol	Sampling rate has been lab verified.	
N-Butyl Alcohol #	71-36-3	566AT #	566AT Badge	10.7	OSHA 100 PPM	NIOSH CEILING 50 PPM	0.064 PPM	1	6	6	AT L-OV (GC/FID)	OV List A	n-Butanol, Butyl Alcohol	Sampling rate has been lab verified.	
N-Butyl Alcohol	71-36-3	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 100 PPM	NIOSH CEILING 50 PPM	0.0068 PPM	1	10	6	AT L-OV (GC/FID)	OV List A	n-Butanol, Butyl Alcohol		
N-Butyl Alcohol	71-36-3	525AT	525AT Badge	71.6	OSHA 100 PPM	NIOSH CEILING 50 PPM	0.0096 PPM	1	6	6	AT L-OV (GC/FID)	OV List A	n-Butanol, Butyl Alcohol	This chemical is on the Organic Solvent Panel. (OSP). Search for "OSP" to see all the	
T-Butyl Alcohol #	75-65-0	566AT #	566AT Badge	10.7	OSHA 100 PPM	NIOSH STEL 150 PPM	0.064 PPM	1	6	6	AT L-OV (GC/FID)	OV List A			
T-Butyl Alcohol	75-65-0	546AT	546AT Badge	2.67	OSHA 100 PPM	NIOSH STEL 150 PPM	0.26 PPM	1	6	6	AT L-OV (GC/FID)	OV List A			
Butyl Glycidyl Ether #	192337	566AT #	566AT Badge	7.7	OSHA 50 PPM	NIOSH CEILING 5.6 PPM	0.051 PPM	1	6	6	AT L-OV (GC/FID)	OV List B			
Butyl Glycidyl Ether	192337	546AT	546AT Badge	1.92	OSHA 50 PPM	NIOSH CEILING 5.6 PPM	0.20 PPM	1	6	6	AT L-OV (GC/FID)	OV List B			
Butyl Glycidyl Ether	192337	525AT	525AT Badge	58.1	OSHA 50 PPM	NIOSH CEILING 5.6 PPM	0.0067 PPM	1	6	6	AT L-OV (GC/FID)	OV List B			
Butyl Methacrylate	97-88-1	525AT	525AT Badge	56.5			0.0082 PPM	1.3	6	6	AT L-OV (GC/FID)	OV List A			
Butyl Methacrylate	97-88-1	566AT	566AT Badge	7.37			0.063 PPM	1.3	6	6	AT L-OV (GC/FID)	OV List A			
T-Butyl Methyl Ether	1634-04-4	546AT	546AT Badge	2.44			0.21 PPM	0.9	6	6	AT L-OV (GC/FID)	OV List A	Methyl tert Butyl Ether, MTBE		
T-Butyl Methyl Ether #	1634-04-4	566AT #	566AT Badge	9.97			0.053 PPM	0.9	6	6	AT L-OV (GC/FID)	OV List A	Methyl tert Butyl Ether, MTBE		
T-Butyl Methyl Ether	1634-04-4	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min			0.0052 PPM	0.9	10	6	AT L-OV (GC/FID)	OV List A	Methyl tert Butyl Ether, MTBE		
T-Butyl Methyl Ether	1634-04-4	525AT	525AT Badge	66			0.0079 PPM	0.9	6	6	AT L-OV (GC/FID)	OV List A	Methyl tert Butyl Ether, MTBE		
Butylamine #	109-73-9	585AT #	585AT Badge	7.04	OSHA 5 PPM		0.049 PPM	0.5	10	MOD OSHA 60		Amine		Sampling rate has been lab verified.	
Butyraldehyde #	123-72-8	571AT #	571AT Badge	8.2			0.026 PPM	0.3	10	MOD EPA TO-11		Aldehyde	Butanal		
Butyraldehyde	123-72-8	J6-119	Tube, Silica Gel-DNPH Tube	0.10 L/min			0.021 PPM	3	30	10	MOD EPA TO-11		Aldehyde	Butanal	
Butyraldehyde	123-72-8	581AT	581AT Badge	70.8			0.0030 PPM	0.3	10	MOD EPA TO-11		Aldehyde	Butanal		
Cadmium	7440-43-9	J5-025 G WIPE	Ghost Wipe		OSHA 0.005 MG/M3			0.05	6	MOD OSHA ID 125G		ICP		J8109K: J5-025 + J8054 (Ghost wipe with Vial). Ghost wipes are pre-moistened with	
Cadmium	7440-43-9	J5-024 SMR TAB	Smear Tab		OSHA 0.005 MG/M3			0.05	6	MOD OSHA ID 125G		ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.	
Cadmium	7440-43-9	J537MCE208	Cassette, MCE Cassette	2.0 L/min	OSHA 0.005 MG/M3		0.00052 MG/M3	0.05	1000	6	MOD OSHA ID 125G	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water	
Calcium	7440-70-2	J5-024 SMR TAB	Smear Tab					10	6	MOD OSHA ID 125G		ICP			
Calcium	7440-70-2	J537MCE208	Cassette, MCE Cassette	2.0 L/min			0.0021 MG/M3	2	1000	6	MOD OSHA ID 125G	ICP			
Camphor	76-22-2	546AT	546AT Badge	1.61	OSHA 2 MG/M3		0.12 PPM	0.6	6	AT L-OV (GC/FID)		OV List B			
Camphor	76-22-2	566AT	566AT Badge	6.43	OSHA 2 MG/M3		0.031 PPM	0.6	6	AT L-OV (GC/FID)		OV List B			
Camphor #	76-22-2	525AT #	525AT Badge	47.7	OSHA 2 MG/M3		0.0042 PPM	0.6	6	AT L-OV (GC/FID)		OV List B			
Carbon Black	1333-86-4	J537PVCW250	Cassette, PVC Pre-wt Cassette	2.0 L/min	OSHA 3.5 MG/M3		0.021 MG/M3	20	1000	6	MOD NIOSH 5000		Gravimetric		
Carbon Tetrachloride	56-23-5	546AT	546AT Badge	1.85	OSHA 10 PPM	OSHA CEILING 25 PPM	0.90 PPM	5	6	6	AT L-OV (GC/FID)	OV List A	Tetrachloromethane		
Carbon Tetrachloride	56-23-5	566AT	566AT Badge	7.38	OSHA 10 PPM	OSHA CEILING 25 PPM	0.22 PPM	5	6	6	AT L-OV (GC/FID)	OV List A	Tetrachloromethane		
Carbon Tetrachloride	56-23-5	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 10 PPM	OSHA CEILING 25 PPM	0.017 PPM	5	10	6	AT L-OV (GC/FID)	OV List A	Tetrachloromethane		
Carbon Tetrachloride #	56-23-5	525AT #	525AT Badge	68.9	OSHA 10 PPM	OSHA CEILING 25 PPM	0.024 PPM	5	6	6	AT L-OV (GC/FID)	OV List A	Tetrachloromethane		
Chlorine	7782-50-5	J5-9006	Cassette, PTFE Ag membrane	1.0 L/min		OSHA CEILING 1 PPM	0.0014 PPM	2	90	6	MOD NIOSH 6011		Halogens		
Chlorobenzene	108-90-7	546AT	546AT Badge	2.16	OSHA 75 PPM		0.13 PPM	0.6	6	6	AT L-OV (GC/FID)	OV List A			
Chlorobenzene #	108-90-7	566AT #	566AT Badge	8.64	OSHA 75 PPM		0.031 PPM	0.6	6	6	AT L-OV (GC/FID)	OV List A			
Chlorobenzene	108-90-7	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 75 PPM		0.0027 PPM	0.6	10	6	AT L-OV (GC/FID)	OV List A			
Chlorobenzene	108-90-7	525AT	525AT Badge	62.2	OSHA 75 PPM		0.0044 PPM	0.6	6	6	AT L-OV (GC/FID)	OV List A			
Chloroform	67-66-3	546AT	546AT Badge	2.1		OSHA CEILING 50 PPM	0.61 PPM	3	6	6	AT L-OV (GC/FID)	OV List A	Trichloromethane	Sampling rate has been lab verified.	
Chloroform	67-66-3	566AT	566AT Badge	8.39		OSHA CEILING 50 PPM	0.15 PPM	3	6	6	AT L-OV (GC/FID)	OV List A	Trichloromethane	Sampling rate has been lab verified.	
Chloroform	67-66-3	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min		OSHA CEILING 50 PPM	0.013 PPM	3	10	6	AT L-OV (GC/FID)	OV List A	Trichloromethane		
Chloroform #	67-66-3	525AT #	525AT Badge	73.9		OSHA CEILING 50 PPM	0.017 PPM	3	6	6	AT L-OV (GC/FID)	OV List A	Trichloromethane	This chemical is on the Organic Solvent Panel. (OSP). Search for "OSP" to see all the	
Chromium	7440-47-3	J5-025 G WIPE	Ghost Wipe		OSHA 1 MG/M3			0.05	6	MOD OSHA ID 125G		ICP		J8109K: J5-025 + J8054 (Ghost wipe with Vial). Ghost wipes are pre-moistened with	
Chromium	7440-47-3	J5-024 SMR TAB	Smear Tab		OSHA 1 MG/M3			0.5	6	MOD OSHA ID 125G		ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.	
Chromium	7440-47-3	J537MCE208	Cassette, MCE Cassette	2.0 L/min	OSHA 1 MG/M3		0.00052 MG/M3	0.5	1000	6	MOD OSHA ID 125G	ICP			
Chromium Hexavalent Ion	18540-29-9	J537PVC250	Cassette, PVC Cassette	2.0 L/min	OSHA 0.005 MG/M3	OSHA CEILING 0.1 MG/M3		0.2	960	10	MOD OSHA 215		Subcontract	For OSHA 215: Samples collected on PVC filters from welding operations must be	
Cobalt	7440-48-4	J5-024 SMR TAB	Smear Tab		OSHA 0.1 MG/M3			0.2	6	MOD OSHA ID 125G		ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.	
Cobalt	7440-48-4	J537MCE208	Cassette, MCE Cassette	2.0 L/min	OSHA 0.1 MG/M3		0.00052 MG/M3	0.05	1000	6	MOD OSHA ID 125G	ICP			
Copper	7440-50-8	J5-024 SMR TAB	Smear Tab		OSHA 0.1 MG/M3			0.5	6	MOD OSHA ID 125G		ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water	
Copper	7440-50-8	J537MCE208	Cassette, MCE Cassette	2.0 L/min	OSHA 0.1 MG/M3		0.00052 MG/M3	0.5	1000	6	MOD OSHA ID 125G	ICP			
Cresol, Total #	1319-77-3	J6-095	Tube, XAD-7 50-1100mg Tube	0.10 L/min			0.004 PPM	1	24	10	MOD OSHA 32		Phenol		
Cresol, Total #	1319-77-3	566AT #	566AT Badge	86.2			0.02 PPM	5	6	6	AT L-OV (GC/FID)	OV List A			
Crotonaldehyde #	4170-30-3	571AT #	571AT Badge	8.59	OSHA 2 PPM		0.0042 PPM	0.05	10	MOD EPA TO-11		Aldehyde			
Crotonaldehyde	4170-30-3	581AT	581AT Badge	71.5	OSHA 2 PPM		0.00051 PPM	0.05	10	MOD EPA TO-11		Aldehyde			
Cumene	98-82-8	546AT	546AT Badge	2.09			0.10 PPM	0.5	6	6	AT L-OV (GC/FID)	OV List A			
Cumene #	98-82-8	566AT #	566AT Badge	8.36			0.025 PPM	0.5	6	6	AT L-OV (GC/FID)	OV List A			
Cumene	98-82-8	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min			0.0021 PPM	0.5	10	6	AT L-OV (GC/FID)	OV List A			
Cumene	98-82-8	525AT	525AT Badge	54.6			0.0039 PPM	0.5	6	6	AT L-OV (GC/FID)	OV List A			
Ethyl 2-Cyanoacrylate #	7085-85-0	395AT #	395AT Badge	12.5			0.0098 PPM	0.3	10	MOD OSHA 55				Badges must be shipped on ice and arrive at the lab within 3 days of sampling.	
Cyclohexane #	110-82-7	546AT #	546AT Badge	2.21	OSHA 300 PPM		0.16 PPM	0.6	6	6	AT L-OV (GC/FID)	OV List A		Sampling rate has been lab verified.	
Cyclohexane	110-82-7	566AT	566AT Badge	8.82	OSHA 300 PPM		0.041 PPM	0.6	6	6	AT L-OV (GC/FID)	OV List A		Sampling rate has been lab verified.	
Cyclohexane	110-82-7	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 300 PPM		0.0036 PPM	0.6	10	6	AT L-OV (GC/FID)	OV List A			
Cyclohexane	110-82-7	525AT	525AT Badge	99.9	OSHA 300 PPM		0.0061 PPM	0.6	6	6	AT L-OV (GC/FID)	OV List A		Sampling rate has been lab verified.	
Cyclohexanol	108-93-0	546AT	546AT Badge	2.29	OSHA 50 PPM		0.16 PPM	0.7	6	6	AT L-OV (GC/FID)	OV List A			
Cyclohexanol #	108-93-0	566AT #	566AT Badge	9.16	OSHA 50 PPM		0.039 PPM	0.7	6	6	AT L-OV (GC/FID)	OV List A			
Cyclohexanol	108-93-0	525AT	525AT Badge	56.7	OSHA 50 PPM		0.0063 PPM	0.7	6	6	AT L-OV (GC/FID)	OV List A			
Cyclohexanone	108-94-1	546AT	546AT Badge	2.34	OSHA 50 PPM		0.13 PPM	0.6	6	6	AT L-OV (GC/FID)	OV List A		Sampling rate has been lab verified.	
Cyclohexanone #	108-94-1	566AT #	566AT Badge	9.37	OSHA 50 PPM		0.033 PPM	0.6	6	6	AT L-OV (GC/FID)	OV List A		Sampling rate has been lab verified.	
Cyclohexanone	108-94-1	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 50 PPM		0.0031 PPM	0.6	10	6	AT L-OV (GC/FID)	OV List A		This chemical is on the Organic Solvent Panel. (OSP). Search for "OSP" to see all the	
Cyclohexanone	108-94-1	525AT	525AT Badge	66.8	OSHA 50 PPM		0.0047 PPM	0.6	6	6	AT L-OV (GC/FID)	OV List A			
Cyclohexylamine #	108-91-8	585AT #	585AT Badge	7.41			0.035 PPM	0.5	10	MOD OSHA 60		Amine		Sampling rate has been lab verified.	
Desflurane	57041-67-5	574AT #	574AT Badge	8.56			0.11 PPM	3	6	MOD OSHA 103		Anesthetic Gas	Suprane	Sampling rate has been lab verified.	
Desflurane	57041-67-5	J6-001	Tube, Charcoal 50-100mg Tube	0.050 L/min			0.018 PPM	3	12	6	MOD OSHA 103		Anesthetic Gas	Suprane	
Diacetone Alcohol	123-42-2	546AT	546AT Badge	2.13	OSHA 50 PPM		0.21 PPM	1	6	6	AT L-OV (GC/FID)	OV List A			
Diacetone Alcohol #	123-42-2	566AT #	566AT Badge	8.5	OSHA 50 PPM		0.052 PPM	1	6	6	AT L-OV (GC/FID)	OV List A			
1,5-Diaminopentane															

# Assay Technology Inc - Sampling Guide

# - Indicates the badge / chemical combination we recommend.

Many of the NIOSH/OSHA methods have been modified. For a list of significant modifications, go to [www.assaytech.com](http://www.assaytech.com). Information in this table can change without notice.

Chemical	CAS No	Media/Item #	Media Description	Sampling Rate (mL/min)	PEL	STEL	8 hr Rpt Lmt	RL (ug)	VOL (L)	TAT	Method Ref	Test Group	Synonyms	Notes/Comments
1,1-Dichloroethane	75-34-3	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 100 PPM	OSHA 100 PPM	0.010 PPM	2	10	6	AT-L-OV (GC/FID)	OV List A		
1,1-Dichloroethane #	75-34-3	566AT #	566AT Badge		OSHA 100 PPM	OSHA 100 PPM	0.13 PPM	2		6	AT-L-OV (GC/FID)	OV List A		
1,1-Dichloroethane	75-34-3	525AT	525AT Badge		OSHA 100 PPM	OSHA 100 PPM	0.013 PPM	2		6	AT-L-OV (GC/FID)	OV List A		
1,2-Dichloroethane	107-06-2	546AT	546AT Badge		OSHA 50 PPM	OSHA CEILING 100 PPM	0.45 PPM	2		6	AT-L-OV (GC/FID)	OV List A	EDC	Sampling rate has been lab verified.
1,2-Dichloroethane #	107-06-2	566AT #	566AT Badge		OSHA 50 PPM	OSHA CEILING 100 PPM	0.11 PPM	2		6	AT-L-OV (GC/FID)	OV List A	EDC	Sampling rate has been lab verified.
1,2-Dichloroethane	107-06-2	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 50 PPM	OSHA CEILING 100 PPM	0.010 PPM	2	10	6	AT-L-OV (GC/FID)	OV List A	EDC	
1,2-Dichloroethane	107-06-2	525AT	525AT Badge		OSHA 50 PPM	OSHA CEILING 100 PPM	0.016 PPM	2		6	AT-L-OV (GC/FID)	OV List A	EDC	Sampling rate has been lab verified.
1,2-Dichloroethylene #	540-59-0	546AT #	546AT Badge		OSHA 200 PPM		0.45 PPM	2		6	AT-L-OV (GC/FID)	OV List A	1,2-DCE, 1,2-Dichloroethene	This is a sum of cis-1,2-Dichloroethylene (CAS # 156-59-2) and trans-1,2-Dichloroethylene (CAS # 156-60-5)
1,2-Dichloroethylene	540-59-0	566AT	566AT Badge		OSHA 200 PPM		0.11 PPM	2		6	AT-L-OV (GC/FID)	OV List A	1,2-DCE, 1,2-Dichloroethene	This is a sum of cis-1,2-Dichloroethylene (CAS # 156-59-2) and trans-1,2-DCE, 1,2-Dichloroethene
1,2-Dichloroethylene	540-59-0	525AT	525AT Badge		OSHA 200 PPM		0.014 PPM	2		6	AT-L-OV (GC/FID)	OV List A	1,2-DCE, 1,2-Dichloroethene	This is a sum of cis-1,2-Dichloroethylene (CAS # 156-59-2) and trans-1,2-DCE, 1,2-Dichloroethene
Trans-1,2-Dichloroethylene	156-60-5	566AT	566AT Badge		OSHA 200 PPM		0.11 PPM	2		6	AT-L-OV (GC/FID)	OV List A		
Trans-1,2-Dichloroethylene	156-60-5	546AT	546AT Badge		OSHA 200 PPM		0.46 PPM	2		6	AT-L-OV (GC/FID)	OV List A		
Trans-1,2-Dichloroethylene	156-60-5	525AT	525AT Badge		OSHA 200 PPM		0.014 PPM	2		6	AT-L-OV (GC/FID)	OV List A		
1,2-Dichloropropane #	78-87-5	566AT #	566AT Badge		OSHA 200 PPM		0.11 PPM	2		6	AT-L-OV (GC/FID)	OV List A		
1,2-Dichloropropane	78-87-5	525AT	525AT Badge		OSHA 200 PPM		0.015 PPM	2		6	AT-L-OV (GC/FID)	OV List A	Propylene Dichloride	
2,6-Dichloropyridine	2402-78-0	525AT	525AT Badge		OSHA 200 PPM		0.0062 PPM	1	10	10	AT-L-OV (GC/FID)	Phenoxy	Propylene Dichloride	
2,6-Dichloropyridine	2402-78-0	566AT	566AT Badge		OSHA 200 PPM		0.046 PPM	1	10	10	AT-L-OV (GC/FID)	Phenoxy		
Dicyclopentadiene #	77-73-6	525AT #	525AT Badge		OSHA 200 PPM		0.013 PPM	2		6	AT-L-OV (GC/FID)	OV List B		
Dicyclopentadiene	77-73-6	566AT	566AT Badge		OSHA 200 PPM		0.097 PPM	2		6	AT-L-OV (GC/FID)	OV List B		
Dicyclopentadiene	77-73-6	546AT	546AT Badge		OSHA 200 PPM		0.39 PPM	2		6	AT-L-OV (GC/FID)	OV List B		
Diethanolamine #	111-42-2	585AT #	585AT Badge		NIOSH 3 PPM		0.067 PPM	1	10	10	MOD OSHA 60	Amine		Sampling rate has been lab verified.
Diethyl Ketone	96-22-0	546AT	546AT Badge		OSHA 50 PPM		0.75 PPM	3		6	AT-L-OV (GC/FID)	OV List A	3-Pentanone	
Diethyl Ketone #	96-22-0	566AT #	566AT Badge		OSHA 50 PPM		0.19 PPM	3		6	AT-L-OV (GC/FID)	OV List A	3-Pentanone	
Diethyl Ketone	96-22-0	525AT	525AT Badge		OSHA 50 PPM		0.072 PPM	3		6	AT-L-OV (GC/FID)	OV List A	3-Pentanone	
Diethylamine #	109-89-7	585AT #	585AT Badge		OSHA 25 PPM	NIOSH STEL 250 PPM	0.040 PPM	0.5	10	10	MOD OSHA 60	Amine		
Diethylene Glycol Butyl Ether	112-34-5	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min			0.031 PPM	10	10	6	AT-L-OV (GC/FID)	OV List A	Butyl Carbitol	
Diethylene Glycol Butyl Ether #	112-34-5	566AT #	566AT Badge				0.44 PPM	10		6	AT-L-OV (GC/FID)	OV List A	Butyl Carbitol	
Diethylene Glycol Butyl Ether	112-34-5	546AT	546AT Badge				1.7 PPM	10		6	AT-L-OV (GC/FID)	OV List A	Butyl Carbitol	
Diethylene Glycol Butyl Ether	112-34-5	525AT	525AT Badge				0.058 PPM	10		6	AT-L-OV (GC/FID)	OV List A	Butyl Carbitol	
Diethylenetriamine #	111-40-0	585AT #	585AT Badge		NIOSH 1 PPM		0.020 PPM	0.3	10	10	MOD OSHA 60	Amine		
Disobutyl Ketone #	108-83-8	566AT #	566AT Badge		OSHA 50 PPM		0.042 PPM	0.9		6	AT-L-OV (GC/FID)	OV List B	2,6-Dimethyl-4-heptanone	
Disobutyl Ketone	108-83-8	546AT	546AT Badge		OSHA 50 PPM		0.17 PPM	0.9		6	AT-L-OV (GC/FID)	OV List B	2,6-Dimethyl-4-heptanone	
Disobutyl Ketone	108-83-8	525AT	525AT Badge		OSHA 50 PPM		0.0057 PPM	0.9		6	AT-L-OV (GC/FID)	OV List B	2,6-Dimethyl-4-heptanone	
Dimethylamine #	124-40-3	585AT #	585AT Badge		OSHA 10 PPM		0.023 PPM	0.3		10	MOD OSHA 60	Amine		
N,N-Dimethylaniline	121-69-7	546AT	546AT Badge		OSHA 10 PPM		0.12 PPM	0.6		6	AT-L-OV (GC/FID)	OV List B		
N,N-Dimethylaniline	121-69-7	566AT	566AT Badge		OSHA 10 PPM		0.030 PPM	0.6		6	AT-L-OV (GC/FID)	OV List B		
N,N-Dimethylaniline #	121-69-7	525AT #	525AT Badge		OSHA 10 PPM		0.004 PPM	0.6		6	AT-L-OV (GC/FID)	OV List B		
2,3-Dioxolane	75-83-2	566AT	566AT Badge		OSHA 10 PPM		0.17 PPM	2		10	MOD OSHA 60	Hexene Isomers		
2,3-Dioxolane	79-29-8	566AT	566AT Badge		OSHA 10 PPM		0.12 PPM	2		10	AT-L-OV (GC/FID)	OV List A		
N,N-Dimethylformamide	68-12-2	546AT	546AT Badge		OSHA 10 PPM		0.34 PPM	1.3		6	AT-L-OV (GC/FID)	OV List A	DMF	Sampling rate has been lab verified.
N,N-Dimethylformamide	68-12-2	566AT	566AT Badge		OSHA 10 PPM		0.084 PPM	1.3		6	AT-L-OV (GC/FID)	OV List A	DMF	Sampling rate has been lab verified.
N,N-Dimethylformamide	68-12-2	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 10 PPM		0.0091 PPM	1.3	10	6	AT-L-OV (GC/FID)	OV List A	DMF	
N,N-Dimethylformamide #	68-12-2	525AT #	525AT Badge		OSHA 10 PPM		0.012 PPM	1.3		6	AT-L-OV (GC/FID)	OV List A	DMF	Sampling rate has been lab verified.
Dimethylsulfoxide #	67-68-5	566AT #	566AT Badge		OSHA 10 PPM		0.63 PPM	1.0		10	AT-L-OV (GC/FID)	MEKO	DMSO	Analysis only compatible with Methyl Ethyl Ketoxime. Analyzed in the California
Dimethylsulfoxide	67-68-5	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 10 PPM		0.065 PPM	1.0	10	10	AT-L-OV (GC/FID)	MEKO	DMSO	
1,4-Dioxane	123-91-1	546AT	546AT Badge		OSHA 100 PPM	NIOSH CEILING 1 PPM	0.47 PPM	2		6	AT-L-OV (GC/FID)	OV List A		Sampling rate has been lab verified.
1,4-Dioxane	123-91-1	566AT	566AT Badge		OSHA 100 PPM	NIOSH CEILING 1 PPM	0.12 PPM	2		6	AT-L-OV (GC/FID)	OV List A		Sampling rate has been lab verified.
1,4-Dioxane	123-91-1	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 100 PPM	NIOSH CEILING 1 PPM	0.012 PPM	2	10	6	AT-L-OV (GC/FID)	OV List A		
1,4-Dioxane #	123-91-1	525AT #	525AT Badge		OSHA 100 PPM	NIOSH CEILING 1 PPM	0.019 PPM	2		6	AT-L-OV (GC/FID)	OV List A		Sampling rate has been lab verified.
1,3-Dioxolane	646-06-0	566AT	566AT Badge		OSHA 10 PPM		0.067 PPM	1		6	AT-L-OV (GC/FID)	OV List A		
1,3-Dioxolane	646-06-0	546AT	546AT Badge		OSHA 10 PPM		0.26 PPM	1		6	AT-L-OV (GC/FID)	OV List A		
Dipropylene Glycol Methylene Ether	34590-94-8	546AT	546AT Badge		OSHA 100 PPM		3.1 PPM	17		6	AT-L-OV (GC/FID)	OV List B		
Dipropylene Glycol Methylene Ether #	34590-94-8	566AT #	566AT Badge		OSHA 100 PPM		0.78 PPM	17		6	AT-L-OV (GC/FID)	OV List B		
Dipropylene Glycol Methylene Ether	34590-94-8	525AT	525AT Badge		OSHA 100 PPM		0.10 PPM	17		6	AT-L-OV (GC/FID)	OV List A		
Dust, Respirable	1318-93-0	J337PCWP350	Cassette, PVC Pre-wt Cassette	2.5 L/min	OSHA 5 MG/M3		0.017 MG/M3	20	400	6	MOD NIOSH 500	Gravimetric		Attach a cyclone and adjust flow according to the manufacturers cyclone Flow Rate: 1 to 1 L/min. Volume: VOL-MIN: 7 L @ 15 mg/m <sup>3</sup> -MAX: 133 L @ 15 mg/m <sup>3</sup>
Dust, Total	1318-93-0	J337PCWP250	Cassette, PVC Pre-wt Cassette		OSHA 15 MG/M3			20		6	MOD NIOSH 500	Gravimetric		
Enflurane	13838-16-9	574AT #	574AT Badge		OSHA 5 PPM		0.10 PPM	3		6	MOD OSHA 103	Anesthetic Gas	Ethrane	Sampling rate has been lab verified.
Enflurane	13838-16-9	J6-001	Tube, Charcoal 50-100mg Tube	0.050 L/min	OSHA 5 PPM		0.017 PPM	3	12	6	MOD OSHA 103	Anesthetic Gas	Ethrane	
Epichlorohydrin	106-89-8	546AT	546AT Badge		OSHA 5 PPM		0.28 PPM	1.2		6	AT-L-OV (GC/FID)	OV List A		
Epichlorohydrin	106-89-8	566AT	566AT Badge		OSHA 5 PPM		0.069 PPM	1.2		6	AT-L-OV (GC/FID)	OV List A		
Epichlorohydrin	106-89-8	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 5 PPM		0.0066 PPM	1.2	10	6	AT-L-OV (GC/FID)	OV List A		
Epichlorohydrin #	106-89-8	525AT #	525AT Badge		OSHA 5 PPM		0.010 PPM	1.2		6	AT-L-OV (GC/FID)	OV List A		
Ethanolamine #	141-43-5	585AT #	585AT Badge		OSHA 3 PPM		0.032 PPM	0.3	10	10	MOD OSHA 60	Amine		Sampling rate has been lab verified.
2-Ethoxyethanol	110-80-5	546AT	546AT Badge		OSHA 200 PPM		0.47 PPM	2		6	AT-L-OV (GC/FID)	OV List A	Cellosolve	
2-Ethoxyethanol #	110-80-5	566AT #	566AT Badge		OSHA 200 PPM		0.12 PPM	2		6	AT-L-OV (GC/FID)	OV List A	Cellosolve	
2-Ethoxyethanol	110-80-5	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 200 PPM		0.011 PPM	2	10	6	AT-L-OV (GC/FID)	OV List A	Cellosolve	
2-Ethoxyethanol	110-80-5	525AT	525AT Badge		OSHA 200 PPM		0.012 PPM	2		6	AT-L-OV (GC/FID)	OV List A	Cellosolve	
Ethyl Acetate #	141-78-6	546AT #	546AT Badge		OSHA 400 PPM		0.52 PPM	2		6	AT-L-OV (GC/FID)	OV List A		Sampling rate has been lab verified.
Ethyl Acetate	141-78-6	566AT	566AT Badge		OSHA 400 PPM		0.13 PPM	2		6	AT-L-OV (GC/FID)	OV List A		Sampling rate has been lab verified.
Ethyl Acetate	141-78-6	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 400 PPM		0.012 PPM	2	10	6	AT-L-OV (GC/FID)	OV List A		
Ethyl Acetate	141-78-6	525AT	525AT Badge		OSHA 400 PPM		0.016 PPM	2		6	AT-L-OV (GC/FID)	OV List A		This chemical is on the Organic Solvent Panel (OSP). Search for "OSP" to see all the
Ethyl Acrylate	140-88-5	546AT	546AT Badge		OSHA 25 PPM		0.20 PPM	0.9		6	AT-L-OV (GC/FID)	OV List A		
Ethyl Acrylate	140-88-5	566AT	566AT Badge		OSHA 25 PPM		0.050 PPM	0.9		6	AT-L-OV (GC/FID)	OV List A		
Ethyl Acrylate #	140-88-5	525AT #	525AT Badge		OSHA 25 PPM		0.0074 PPM	0.9		6	AT-L-OV (GC/FID)	OV List A		
Ethyl Alcohol #	64-17-5	546AT #	546AT Badge		OSHA 1000 PPM		3.3 PPM	10		6	AT-L-OV (GC/FID)	OV List A	Ethanol	
Ethyl Alcohol	64-17-5	566AT	566AT Badge		OSHA 1000 PPM		0.83 PPM	10		6	AT-L-OV (GC/FID)	OV List A	Ethanol	
Ethyl Alcohol	64-17-5	J6-009	Tube, Charcoal 200-1400mg Tube	0.11 L/min	OSHA 1000 PPM		0.11 PPM	10	10	6	AT-L-OV (GC/FID)	OV List A	Ethanol	

# Assay Technology Inc - Sampling Guide

# - Indicates the badge / chemical combination we recommend.

Many of the NIOSH/OSHA methods have been modified. For a list of significant modifications, go to [www.assaytech.com](http://www.assaytech.com). Information in this table can change without notice.

Chemical	CAS No	Media/Item #	Media Description	Sampling Rate (mL/min)	PEL	STEL	8 hr Rpt Lmt	RL (ug)	Vol (L)	TAT	Method Ref	Test Group	Synonyms	Notes/Comments
Ethylene Chlorohydrin	107-07-3	546AT	546AT Badge	2.56	OSHA 5 PPM		0.55 PPM	1.4		6	AT-L-OV (GC/FID)	OV List A		
Ethylene Chlorohydrin	107-07-3	566AT	566AT Badge	10.2	OSHA 5 PPM		0.087 PPM	1.4		6	AT-L-OV (GC/FID)	OV List A		
Ethylene Chlorohydrin #	107-07-3	525AT #	525AT Badge	68.1	OSHA 5 PPM		0.013 PPM	1.4		6	AT-L-OV (GC/FID)	OV List A		
Ethylene Glycol Dimethyl Ether	110-71-4	546AT	546AT Badge	2.42			0.23 PPM	1		6	AT-L-OV (GC/FID)	OV List A	Dimethoxyethane, 1,2-Dimethoxyethane	
Ethylene Glycol Dimethyl Ether #	110-71-4	566AT #	566AT Badge	9.66			0.058 PPM	1		6	AT-L-OV (GC/FID)	OV List A	Dimethoxyethane, 1,2-Dimethoxyethane	
Ethylene Glycol Dimethyl Ether	110-71-4	525AT	525AT Badge	65.5			0.085 PPM	1		6	AT-L-OV (GC/FID)	OV List A	Dimethoxyethane, 1,2-Dimethoxyethane	
Ethylene Oxide	75-21-8	J6-08RD-78	Tube, OMRO 78 Hbr Treated Tube	0.10 L/min	OSHA 1 PPM	OSHA STEL 5 PPM	0.012 PPM	1	24	6	MOD ASTM D5578		Ethylene Oxide	
Ethylene Oxide #	75-21-8	555AT #	555AT Badge	12.4	OSHA 1 PPM	OSHA STEL 5 PPM	0.011 PPM	0.12		6	MOD ASTM D5578		Ethylene Oxide	Sampling rate has been lab verified.
Ethylenediamine #	107-15-3	585AT #	585AT Badge	9.59	OSHA 10 PPM		0.027 PPM	0.3	10	6	MOD OSHA 60		Amine	Sampling rate has been lab verified.
Formaldehyde #	50-00-0	571AT #	571AT Badge	16.2	OSHA 0.75 PPM	OSHA STEL 2 PPM	0.010 PPM	0.1		6	MOD OSHA 1007		Aldehyde	Formalin
Formaldehyde	50-00-0	581AT	581AT Badge	124	OSHA 0.75 PPM	OSHA STEL 2 PPM	0.0014 PPM	0.1		6	MOD OSHA 1007		Aldehyde	Formalin
Formaldehyde	50-00-0	J6-119	Tube, Silica Gel-DNPH Tube	0.10 L/min	OSHA 0.75 PPM	OSHA 0.75 PPM	0.0017 PPM	0.1	15	6	MOD NIOSH 2016		Aldehyde	Formalin
Glutaraldehyde	111-30-8	J6-119	Tube, Silica Gel-DNPH Tube	0.10 L/min		NIOSH CEILING 0.2 PPM	0.000041 PPM	0.008	24	6	MOD NIOSH 2532		Aldehyde	Cidex
Glutaraldehyde	111-30-8	571AT	571AT Badge	7.24		NIOSH CEILING 0.2 PPM	0.00056 PPM	0.008		6	MOD OSHA 64		Aldehyde	Cidex
Glutaraldehyde	111-30-8	J5-9003	Cassette, GFF 2-4-DNPH	1.0 L/min		NIOSH CEILING 0.2 PPM	0.000020 PPM	0.04	120	6	MOD OSHA 64		Aldehyde	Cidex
Glutaraldehyde #	111-30-8	581AT #	581AT Badge	63.2		NIOSH CEILING 0.2 PPM	0.000064 PPM	0.008		6	MOD OSHA 64		Aldehyde	Cidex
Haloethane #	151-67-7	574AT #	574AT Badge	8.7			0.12 PPM	4		6	MOD OSHA 103		Anesthetic Gas	
Haloethane	151-67-7	J6-001	Tube, Charcoal 50-100mg Tube	0.050 L/min			0.021 PPM	4	12	6	MOD OSHA 103		Anesthetic Gas	Sampling rate has been lab verified.
HCFC-123(2)(E) #	102687-85-0	589AT #	589AT Badge	0.6			0.65 PPM	1	10	6	AT-L-OV (GC/FID)		Freon	Sampling rate has been lab verified.
Heptane #	142-82-5	546AT #	546AT Badge	2.14	OSHA 500 PPM		0.12 PPM	0.5		6	AT-L-OV (GC/FID)	OV List A		Sampling rate has been lab verified.
Heptane	142-82-5	566AT	566AT Badge	8.54	OSHA 500 PPM		0.030 PPM	0.5		6	AT-L-OV (GC/FID)	OV List A		Sampling rate has been lab verified.
Heptane	142-82-5	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 500 PPM		0.0025 PPM	0.5	10	6	AT-L-OV (GC/FID)	OV List A		
Heptane	142-82-5	525AT	525AT Badge	56.3	OSHA 500 PPM		0.0045 PPM	0.5		6	AT-L-OV (GC/FID)	OV List A		This chemical is on the Organic Solvent Panel (OSP). Search for "OSP" to see all the
2-Heptanone	110-43-0	JM-3500		0	OSHA 100 PPM		0.016 PPM	1		6	AT-L-OV (GC/FID)	OV List A	Methyl amyl Ketone	
2-Heptanone	110-43-0	546AT	546AT Badge	27.9	OSHA 100 PPM		0.15 PPM	0.7		6	AT-L-OV (GC/FID)	OV List A	Methyl amyl Ketone	
2-Heptanone #	110-43-0	566AT #	566AT Badge	8.58	OSHA 100 PPM		0.036 PPM	0.7		6	AT-L-OV (GC/FID)	OV List A	Methyl amyl Ketone	
2-Heptanone	110-43-0	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 100 PPM		0.0031 PPM	0.7	10	6	AT-L-OV (GC/FID)	OV List A	Methyl amyl Ketone	
2-Heptanone	110-43-0	525AT	525AT Badge	53.6	OSHA 100 PPM		0.0058 PPM	0.7		6	AT-L-OV (GC/FID)	OV List A	Methyl amyl Ketone	
Hexamethylene Diisocyanate	822-06-0	J5-9002	Cassette, GFF w/ 1,,PP	1.0 L/min	NIOSH 0.005 PPM	NIOSH CEILING 0.02 PPM	0.00024 PPM	0.8	240	10	MOD OSHA 42		Isocyanates	HDI
Hexanal #	66-25-1	571AT #	571AT Badge	6.48			0.24 PPM	3		10	MOD EPA TO-11		Aldehyde	Hexanaldehyde
Hexanal	66-25-1	581AT	581AT Badge	63			0.024 PPM	3		10	MOD EPA TO-11		Aldehyde	Hexanaldehyde
N-Hexane #	110-54-3	546AT #	546AT Badge	2.47	OSHA 500 PPM		0.14 PPM	0.6		6	AT-L-OV (GC/FID)	OV List A		Sampling rate has been lab verified.
N-Hexane	110-54-3	566AT	566AT Badge	9.88	OSHA 500 PPM		0.036 PPM	0.6		6	AT-L-OV (GC/FID)	OV List A		Sampling rate has been lab verified.
N-Hexane	110-54-3	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 500 PPM		0.0035 PPM	0.6	10	6	AT-L-OV (GC/FID)	OV List A		
N-Hexane	110-54-3	525AT	525AT Badge	60.9	OSHA 500 PPM		0.0058 PPM	0.6		6	AT-L-OV (GC/FID)	OV List A		This chemical is on the Organic Solvent Panel (OSP). Search for "OSP" to see all the chemicals together on the Guide. Sampling rate has been lab verified.
Total Hydrocarbons As N-Hexane	2228840	546AT	546AT Badge	2.5			33 MG/M3	40		6	MOD NIOSH 1500	OV List C		All results reported in mg/m3. Hydrocarbon Range from C4 to C15. Some list A
Total Hydrocarbons As N-Hexane #	2228840	566AT #	566AT Badge	9.88			8.4 MG/M3	40		6	MOD NIOSH 1500	OV List C		All results reported in mg/m3. Hydrocarbon Range from C4 to C15. Some list A
Total Hydrocarbons As N-Hexane	2228840	J6-001	Tube, Charcoal 50-100mg Tube	0.20 L/min			4.2 MG/M3	40	10	6	MOD NIOSH 1500	OV List C		All results reported in mg/m3. Hydrocarbon Range from C4 to C15. Some list A
Total Hydrocarbons As N-Hexane	2228840	525AT	525AT Badge	60.9			1.4 MG/M3	40		6	MOD NIOSH 1500	OV List C		All results reported in mg/m3. Hydrocarbon Range from C4 to C15. Some list A
2-Hexanone #	591-78-6	566AT #	566AT Badge	9.16	OSHA 100 PPM		0.028 PPM	0.5		6	AT-L-OV (GC/FID)	OV List A	MBK, Methyl Butyl Ketone	
2-Hexanone	591-78-6	546AT	546AT Badge	2.29	OSHA 100 PPM		0.11 PPM	0.5		6	AT-L-OV (GC/FID)	OV List A	MBK, Methyl Butyl Ketone	
2-Hexanone	591-78-6	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 100 PPM		0.0025 PPM	0.5	10	6	AT-L-OV (GC/FID)	OV List A	MBK, Methyl Butyl Ketone	
2-Hexanone	591-78-6	525AT	525AT Badge	78.8	OSHA 100 PPM		0.0032 PPM	0.5		6	AT-L-OV (GC/FID)	OV List A	MBK, Methyl Butyl Ketone	
Hydrogen Peroxide #	7722-84-1	587AT #	587AT Badge	137	OSHA 1 PPM		0.020 PPM	1.8		6	MOD OSHA METHOD 1019	Subcontract		The 587 monitors are manufactured and analyzed by Advanced Chemical Sensor.
Indium	7440-74-6	J5-024 SMR TAB	Smear Tab				0.5			6	MOD OSHA ID 125G	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water.
Indium	7440-74-6	J537MCE208	Cassette, MCE Cassette	2.0 L/min			0.00052 MG/M3	0.5	1000	6	MOD OSHA ID 125G	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water.
Iron	7439-89-6	J5-024 SMR TAB	Smear Tab				2			6	MOD OSHA ID 125G	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water.
Iron	7439-89-6	J537MCE208	Cassette, MCE Cassette	2.0 L/min			0.0021 MG/M3	2	1000	6	MOD OSHA ID 125G	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water.
Iron(III) Oxide	1309-37-1	J5-024 SMR TAB	Smear Tab				3			6	MOD OSHA ID 125G	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water.
Iron(III) Oxide	1309-37-1	J537MCE208	Cassette, MCE Cassette	2.0 L/min			0.0031 MG/M3	3	1000	6	MOD OSHA ID 125G	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water.
Isosamyl Alcohol #	123-51-3	566AT #	566AT Badge	9.77	OSHA 100 PPM		0.053 PPM	0.9		6	AT-L-OV (GC/FID)	OV List A		
Isosamyl Alcohol	123-51-3	546AT	546AT Badge	2.44	OSHA 100 PPM		0.21 PPM	0.9		6	AT-L-OV (GC/FID)	OV List A		
Isosamyl Alcohol	123-51-3	525AT	525AT Badge	76.7	OSHA 100 PPM		0.0068 PPM	0.9		6	AT-L-OV (GC/FID)	OV List A		
Isobutyl Acetate	110-19-0	525AT	525AT Badge	63.6	OSHA 150 PPM		0.0069 PPM	1		6	AT-L-OV (GC/FID)	OV List A		
Isobutyl Acetate	110-19-0	566AT	566AT Badge	8.5	OSHA 150 PPM		0.052 PPM	1		6	AT-L-OV (GC/FID)	OV List A		
Isobutyl Acetate #	110-19-0	546AT #	546AT Badge	2.13	OSHA 150 PPM		0.21 PPM	1		6	AT-L-OV (GC/FID)	OV List A		
Isobutyl Alcohol	78-83-1	546AT	546AT Badge	2.67	OSHA 100 PPM		0.18 PPM	0.7		6	AT-L-OV (GC/FID)	OV List A	Isobutanol	Sampling rate has been lab verified.
Isobutyl Alcohol #	78-83-1	566AT #	566AT Badge	10.7	OSHA 100 PPM		0.045 PPM	0.7		6	AT-L-OV (GC/FID)	OV List A	Isobutanol	Sampling rate has been lab verified.
Isobutyl Alcohol	78-83-1	J6-001	Tube, Charcoal 50-100mg Tube	0.010 L/min	OSHA 100 PPM		0.0048 PPM	0.7	10	6	AT-L-OV (GC/FID)	OV List A	Isobutanol	
Isobutyl Alcohol	78-83-1	525AT	525AT Badge	67.2	OSHA 100 PPM		0.0072 PPM	0.7		6	AT-L-OV (GC/FID)	OV List A	Isobutanol	Sampling rate has been lab verified.
Isosulfurane #	26675-46-7	574AT #	574AT Badge	78.7	CAL 2 PPM		0.11 PPM	3		6	MOD OSHA 103		Anesthetic Gas	Forane
Isosulfurane	26675-46-7	J6-001	Tube, Charcoal 50-100mg Tube	0.050 L/min	CAL 2 PPM		0.107 PPM	3	12	6	MOD OSHA 103		Anesthetic Gas	Forane
Isosulfurane, Mg/M3 #	26675-46-7	574AT #	574AT Badge	78.7			0.079 MG/M3	3		6	MOD OSHA 103		Anesthetic Gas	Forane
Isophorone	78-59-1	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 25 PPM		0.0022 PPM	0.6	10	6	AT-L-OV (GC/FID)	OV List B		Sampling rate has been lab verified.
Isophorone #	78-59-1	566AT #	566AT Badge	7.8	OSHA 25 PPM		0.028 PPM	0.6		6	AT-L-OV (GC/FID)	OV List B		
Isophorone	78-59-1	546AT	546AT Badge	1.95	OSHA 25 PPM		0.11 PPM	0.6		6	AT-L-OV (GC/FID)	OV List B		
Isophorone	78-59-1	525AT	525AT Badge	50	OSHA 25 PPM		0.0044 PPM	0.6		6	AT-L-OV (GC/FID)	OV List B		

# Assay Technology Inc - Sampling Guide

# - Indicates the badge / chemical combination we recommend.

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Chemical	CAS No	Media/Item #	Media Description	Sampling Rate (mL/min)	PEL	STEL	8 hr Rpt Lmt	RL (ug)	Vol (L)	TAT	Method Ref	Test Group	Synonyms	Notes/Comments
Isophorone Diisocyanate	4098-71-9	J5-9002	Cassette, GFF w/ 1, PP	1.0 L/min		0.02 PPM	0.00046 PPM	0.2	240	10	MOD OSHA 42	Isocyanates	IPDI	Sample openface (See method)
Isopropyl Acetate #	108-21-4	546AT #	546AT Badge		OSHA 250 PPM		0.22 PPM	1		6	AT-LV (GC/FID)	OV List A		
Isopropyl Acetate	108-21-4	566AT	566AT Badge		OSHA 250 PPM		0.055 PPM	1		6	AT-LV (GC/FID)	OV List A		
Isopropyl Acetate	108-21-4	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 250 PPM		0.0050 PPM	1	10	6	AT-LV (GC/FID)	OV List A		
Isopropyl Acetate	108-21-4	525AT	525AT Badge		OSHA 250 PPM		0.0091 PPM	1		6	AT-LV (GC/FID)	OV List A		
Isopropyl Alcohol #	67-63-0	546AT #	546AT Badge		OSHA 400 PPM		0.29 PPM	1		6	AT-LV (GC/FID)	OV List A	IPA	Sampling rate has been lab verified.
Isopropyl Alcohol	67-63-0	566AT	566AT Badge		OSHA 400 PPM		0.072 PPM	1		6	AT-LV (GC/FID)	OV List A	IPA	Sampling rate has been lab verified.
Isopropyl Alcohol	67-63-0	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 400 PPM		0.0085 PPM	1	10	6	AT-LV (GC/FID)	OV List A	IPA	
Isopropyl Alcohol	67-63-0	525AT	525AT Badge		OSHA 400 PPM		0.013 PPM	1		6	AT-LV (GC/FID)	OV List A	IPA	
Lead	7439-92-1	J5-024 SMR TAB	Smear Tab		OSHA 0.05 MG/M3			0.5		6	MOD OSHA ID 125G	ICP		This chemical is on the Organic Solvent Panel. (OSP). Search for "OSP" to see all the
Lead	7439-92-1	J5-025 G WIPE	Ghost Wipe		OSHA 0.05 MG/M3			5		6	MOD OSHA ID 125G	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water.
Lead	7439-92-1	J537MCE208	Cassette, MCE Cassette	2.0 L/min	OSHA 0.05 MG/M3		0.00052 MG/M3	0.5	1000	6	MOD OSHA ID 125G	ICP		J8109K: J5-025 + J8054 (Ghost wipe with Vial). Ghost wipes are pre-moistened with
D-Limonene	5989-27-5	546AT	546AT Badge				0.38 PPM	2		6	AT-LV (GC/FID)	OV List A		
D-Limonene #	5989-27-5	566AT #	566AT Badge				0.095 PPM	2		6	AT-LV (GC/FID)	OV List A		
D-Limonene	5989-27-5	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min			0.0075 PPM	2	10	6	AT-LV (GC/FID)	OV List A		
D-Limonene	5989-27-5	525AT	525AT Badge				0.013 PPM	2		6	AT-LV (GC/FID)	OV List A		
Magnesium	7439-95-4	J5-024 SMR TAB	Smear Tab		OSHA 15 MG/M3			0.5		6	MOD OSHA ID 125G	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.
Magnesium	7439-95-4	J537MCE208	Cassette, MCE Cassette	2.0 L/min	OSHA 15 MG/M3		0.00052 MG/M3	0.5	1000	6	MOD OSHA ID 125G	ICP		
Magnesium	7439-96-5	J5-024 SMR TAB	Smear Tab		OSHA CEILING 5 MG/M3			0.5		6	MOD OSHA ID 125G	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water
Magnesium	7439-96-5	J537MCE208	Cassette, MCE Cassette	2.0 L/min	OSHA CEILING 5 MG/M3		0.00052 MG/M3	0.5	1000	6	MOD OSHA ID 125G	ICP		
4,4-MDI	101-68-8	J5-9002	Cassette, GFF w/ 1, PP	1.0 L/min	NIOSH 0.005 PPM		0.000081 PPM	0.4	240	10	MOD OSHA 47	Isocyanates	Methylene Bisphenyl Isocyanate	Sample openface (See method)
Mercury	7439-97-6	J537MCE208	Cassette, MCE Cassette	2.0 L/min	OSHA 0.1 MG/M3	OSHA CEILING 0.1 MG/M3	0.000021 MG/M3	0.02	1000	6	AT CVAF	Mercury		Particulates Only
Mercury	7439-97-6	J5-024 SMR TAB	Smear Tab		OSHA 0.1 MG/M3	CAL OSHA CEILING 0.1 MG/M3		0.02		6	AT CVAF	Mercury		Particulates Only. Order Kit J8114K, J5-024 + J8054 (Smear Tab with Vial). Tabs
Mercury #	7439-97-6	593AT	593AT Badge		OSHA 0.1 MG/M3	CAL OSHA CEILING 0.1 MG/M3	0.00061 MG/M3	0.005		6	AT CVAF	Mercury		The sampling rate was changed to 17.0 mL/min starting with lot 9830. Previous lots were 14.9 mL/min. (Prior to 9/20) Sampling rate has been lab verified.
Mesitylene	108-67-8	546AT	546AT Badge		OSHA 25 PPM		1.0 PPM	5		6	AT-LV (GC/FID)	OV List A	1,3,5-Trimethylbenzene	
Mesitylene #	108-67-8	566AT #	566AT Badge		OSHA 25 PPM		0.25 PPM	5		6	AT-LV (GC/FID)	OV List A	1,3,5-Trimethylbenzene	
Mesitylene	108-67-8	525AT	525AT Badge		OSHA 25 PPM		0.036 PPM	5		6	AT-LV (GC/FID)	OV List A	1,3,5-Trimethylbenzene	
Methamphetamine	537-46-2	J5-025 G WIPE	Ghost Wipe					10		10	HPLC	HPLC		Buy wipe kit, J8110K. Kit contains a ghost wipe, wipe template, return vial, and the
2-Methoxyethanol #	109-86-4	566AT #	566AT Badge		OSHA 25 PPM		0.14 PPM	2.2		6	AT-LV (GC/FID)	OV List A	Methyl Cellosolve	
2-Methoxyethanol #	109-86-4	546AT	546AT Badge		OSHA 25 PPM		0.56 PPM	2.2		6	AT-LV (GC/FID)	OV List A	Methyl Cellosolve	
2-Methoxyethanol	109-86-4	525AT	525AT Badge		OSHA 25 PPM		0.025 PPM	2.2		6	AT-LV (GC/FID)	OV List A	Methyl Cellosolve	
2-Methoxyethyl Acetate #	110-49-6	566AT #	566AT Badge		OSHA 25 PPM		0.27 PPM	5		6	AT-LV (GC/FID)	OV List A	Ethylene glycol monomethyl ether acetate	
2-Methoxyethyl Acetate	110-49-6	546AT	546AT Badge		OSHA 25 PPM		1.1 PPM	5		6	AT-LV (GC/FID)	OV List A	Ethylene glycol monomethyl ether acetate	
2-Methoxyethyl Acetate	110-49-6	525AT	525AT Badge		OSHA 25 PPM		0.036 PPM	5		6	AT-LV (GC/FID)	OV List A	Ethylene glycol monomethyl ether acetate	
Methyl Acetate #	79-20-9	566AT #	566AT Badge		OSHA 200 PPM		0.13 PPM	2		6	AT-LV (GC/FID)	OV List A		
Methyl Acetate	79-20-9	546AT	546AT Badge		OSHA 200 PPM		0.53 PPM	2		6	AT-LV (GC/FID)	OV List A		It is not recommended that Methyl acetate be collected on the 525 badge. Use the 546 for 8 hours and the 566 for STELS
Methyl Acrylate	96-33-3	546AT	546AT Badge		OSHA 10 PPM		0.48 PPM	2		6	AT-LV (GC/FID)	OV List A		
Methyl Acrylate #	96-33-3	566AT #	566AT Badge		OSHA 10 PPM		0.13 PPM	2		6	AT-LV (GC/FID)	OV List A		
Methyl Acrylate	96-33-3	525AT	525AT Badge		OSHA 10 PPM		0.017 PPM	2		6	AT-LV (GC/FID)	OV List A		
Methyl Alcohol	67-56-1	J6-010	Tube, Silica Gel 75-150mg Tube	0.10 L/min	OSHA 200 PPM	NIOSH STEL 250 PPM	0.048 PPM	3	5	6	MOD NIOSH 2000	Methanol	Methanol, Methyl Alcohol	
Methyl Alcohol	67-56-1	546AT	546AT Badge		OSHA 200 PPM	NIOSH STEL 250 PPM	1.2 PPM	3		6	AT-LV (GC/FID)	OV List A	Methanol, Methyl Alcohol	It is recommended that customers use the 545 badge for Methyl Alcohol
Methyl Alcohol	67-56-1	566AT	566AT Badge		OSHA 200 PPM	NIOSH STEL 250 PPM	0.29 PPM	3		6	AT-LV (GC/FID)	OV List A	Methanol, Methyl Alcohol	It is recommended that customers use the 545 badge for Methyl Alcohol
Methyl Alcohol	67-56-1	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 200 PPM	NIOSH STEL 250 PPM	0.048 PPM	3	10	6	AT-LV (GC/FID)	OV List A	Methanol, Methyl Alcohol	
Methyl Alcohol #	67-56-1	545AT #	545AT Badge		OSHA 200 PPM	NIOSH STEL 250 PPM	1.1 PPM	3		6	AT-LV (GC/FID)	OV List A	MEOH-747	This badge was developed for methanol monitoring and can be used for STEL and 8
Methyl Ethyl Ketone #	78-93-3	546AT #	546AT Badge		OSHA 200 PPM		0.20 PPM	0.8		6	AT-LV (GC/FID)	OV List A	2-Butanone, Ethyl methyl ketone, MEK	Sampling rate has been lab verified.
Methyl Ethyl Ketone	78-93-3	566AT	566AT Badge		OSHA 200 PPM		0.050 PPM	0.8		6	AT-LV (GC/FID)	OV List A	2-Butanone, Ethyl methyl ketone, MEK	Sampling rate has been lab verified.
Methyl Ethyl Ketone	78-93-3	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 200 PPM		0.0057 PPM	0.8	10	6	AT-LV (GC/FID)	OV List A	2-Butanone, Ethyl methyl ketone, MEK	
Methyl Ethyl Ketone	78-93-3	525AT	525AT Badge		OSHA 200 PPM		0.0070 PPM	0.8		6	AT-LV (GC/FID)	OV List A	2-Butanone, Ethyl methyl ketone, MEK	This chemical is on the Organic Solvent Panel. (OSP). Search for "OSP" to see all the
Methyl Ethyl Ketoxime	96-29-7	546AT	546AT Badge		OSHA 200 PPM		0.19 PPM	3		6	AT-LV (GC/FID)	MEKO		Analysis only compatible with DMSO. Analyzed in the California Lab.
Methyl Ethyl Ketoxime #	96-29-7	566AT #	566AT Badge		OSHA 200 PPM		0.19 PPM	3		6	AT-LV (GC/FID)	MEKO		Analysis only compatible with DMSO. Analyzed in the California Lab.
Methyl Ethyl Ketoxime	96-29-7	525AT	525AT Badge		OSHA 200 PPM		0.026 PPM	3		6	AT-LV (GC/FID)	MEKO		Analysis only compatible with DMSO. Analyzed in the California Lab.
Methyl Iodine (Iodomethane)	74-88-4	566AT	566AT Badge		OSHA 5 PPM		0.48 PPM	10		10	AT-LV (GC/FID)	Amesthetic Gas		
Methyl Isoamyl Ketone #	110-12-3	566AT #	566AT Badge		OSHA 100 PPM		0.052 PPM	1		6	AT-LV (GC/FID)	OV List A		
Methyl Isoamyl Ketone	110-12-3	546AT	546AT Badge		OSHA 100 PPM		0.21 PPM	1		6	AT-LV (GC/FID)	OV List A		
Methyl Isoamyl Ketone	110-12-3	525AT	525AT Badge		OSHA 100 PPM		0.0074 PPM	1		6	AT-LV (GC/FID)	OV List A		
Methyl Isobutyl Carbinol #	108-11-2	566AT #	566AT Badge		OSHA 25 PPM		0.055 PPM	1		6	AT-LV (GC/FID)	OV List A		
Methyl Isobutyl Carbinol	108-11-2	546AT	546AT Badge		OSHA 25 PPM		0.22 PPM	1		6	AT-LV (GC/FID)	OV List A		
Methyl Isobutyl Carbinol	108-11-2	525AT	525AT Badge		OSHA 25 PPM		0.0090 PPM	1		6	AT-LV (GC/FID)	OV List A		
Methyl Isobutyl Ketone	108-10-1	546AT	546AT Badge		OSHA 100 PPM		0.16 PPM	0.7		6	AT-LV (GC/FID)	OV List A	Hexone, MIBK	Sampling rate has been lab verified.
Methyl Isobutyl Ketone #	108-10-1	566AT #	566AT Badge		OSHA 100 PPM		0.039 PPM	0.7		6	AT-LV (GC/FID)	OV List A	Hexone, MIBK	Sampling rate has been lab verified.
Methyl Isobutyl Ketone	108-10-1	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 100 PPM		0.0036 PPM	0.7	10	6	AT-LV (GC/FID)	OV List A	Hexone, MIBK	
Methyl Isobutyl Ketone	108-10-1	525AT	525AT Badge		OSHA 100 PPM		0.0054 PPM	0.7		6	AT-LV (GC/FID)	OV List A	Hexone, MIBK	This chemical is on the Organic Solvent Panel. (OSP). Search for "OSP" to see all the
Methyl Methacrylate	80-62-6	546AT	546AT Badge		OSHA 100 PPM		0.22 PPM	1		6	AT-LV (GC/FID)	OV List A		Sampling rate has been lab verified.
Methyl Methacrylate #	80-62-6	566AT #	566AT Badge		OSHA 100 PPM		0.056 PPM	1		6	AT-LV (GC/FID)	OV List A		Sampling rate has been lab verified.
Methyl Methacrylate	80-62-6	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 100 PPM		0.0051 PPM	1	10	6	AT-LV (GC/FID)	OV List A		
Methyl Methacrylate	80-62-6	525AT	525AT Badge		OSHA 100 PPM		0.0081 PPM	1		6	AT-LV (GC/FID)	OV List A		This chemical is on the Organic Solvent Panel. (OSP). Search for "OSP" to see all the
1-Methyl-2-Pyrrolidone	872-50-4	546AT	546AT Badge		CAL 1 PPM		2.4 PPM	11		6	AT-LV (GC/FID)	OV List B	NMP, N-Methyl-2-Pyrrolidone	
1-Methyl-2-Pyrrolidone	872-50-4	566AT	566AT Badge		CAL 1 PPM		0.61 PPM	11		6	AT-LV (GC/FID)	OV List B	NMP, N-Methyl-2-Pyrrolidone	
1-Methyl-2-Pyrrolidone	872-50-4	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	CAL 1 PPM		0.057 PPM	11	10	6	AT-LV (GC/FID)	OV List B	NMP, N-Methyl-2-Pyrrolidone	
1-Methyl-2-Pyrrolidone #	872-50-4	525AT #	525AT Badge		CAL 1 PPM		0.088 PPM	11		6	AT-LV (GC/FID)	OV List B	NMP, N-Methyl-2-Pyrrolidone	
Methylamine #	74-89-5	566AT #	566AT Badge		OSHA 10 PPM		0.028 PPM	0.2		10	MOD OSHA 60	Amine		
Methylcyclohexane #	108-87-2	546AT #	546AT Badge		OSHA 500 PPM		0.11 PPM	0.5		6	AT-LV (GC/FID)	OV List A		
Methylcyclohexane	108-87-2	566AT	566AT Badge		OSHA 500 PPM		0.028 PPM	0.5		6	AT-LV (GC/FID)	OV List A		
Methylene Chloride	75-09-2	546AT	546AT Badge		OSHA 25 PPM	OSHA STEL 125 PPM	0.75 PPM	3		6	AT-LV (GC/FID)	OV List A	Dichloromethane	Sampling rate has been lab verified.
Methylene Chloride #	75-09-2	566AT #	566AT Badge		OSHA 25 PPM	OSHA STEL 125 PPM	0.19 PPM	3		6	AT-LV (GC/FID)	OV List A	Dichloromethane	Sampling rate has been lab verified.
Methylene Chloride	75-09-2	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 25 PPM	OSHA STEL 125 PPM	0.018 PPM	3	10</					

# Assay Technology Inc - Sampling Guide

# - Indicates the badge / chemical combination we recommend.

Many of the NIOSH/OSHA methods have been modified. For a list of significant modifications, go to [www.assaytech.com](http://www.assaytech.com). Information in this table can change without notice.

Chemical	CAS No	Media/Item #	Media Description	Sampling Rate (mL/min)	PEL	STEL	8 hr Rpt Lmt	RL (ug)	Vol (L)	TAT	Method Ref	Test Group	Synonyms	Notes/Comments
2-Methylpentane	107-83-5	566AT	566AT Badge	2.5			0.47 PPM	2		6	AT-LOV (GC/FID)	OV List B		
3-Methylpentane	96-14-0	566AT	566AT Badge	9.9			0.12 PPM	2	10	AT-LOV (GC/FID)		Hexane Isomers		
3-Methylpentane	96-14-0	525AT	525AT Badge	66.6			0.018 PPM	2	10	AT-LOV (GC/FID)				
Molybdenum	7439-98-7	J5-024 SMR TAB	Smear Tab		OSHA 5 MG/M3			0.5		6	MOD OSHA ID 125G	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water.
Molybdenum	7439-98-7	J537MCE208	Cassette, MCE Cassette	2.0 L/min	OSHA 5 MG/M3		0.00052 MG/M3	0.5	1000	6	MOD OSHA ID 125G	ICP		
Morpholine #	110-91-8	585AT #	585AT Badge	7.92			0.15 PPM	2	10	MOD OSHA 60		Amine		Sampling rate has been lab verified.
Naphthalene	91-20-3	546AT	546AT Badge	2.03			1.3 PPM	6.5		6	AT-LOV (GC/FID)	OV List A		Sampling rate has been lab verified.
Naphthalene	91-20-3	566AT	566AT Badge	8.1			0.32 PPM	6.5		6	AT-LOV (GC/FID)	OV List A		Sampling rate has been lab verified.
Naphthalene	91-20-3	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 10 PPM		0.026 PPM	6.5	10	6	AT-LOV (GC/FID)	OV List A		
Naphthalene #	91-20-3	525AT #	525AT #	58.4			0.044 PPM	6.5		6	AT-LOV (GC/FID)	OV List A		This chemical is on the Organic Solvent Panel. (OSP). Search for "OSP" to see all the chemicals together on the Guide. Sampling rate has been lab verified.
Nickel	7440-02-0	J5-024 SMR TAB	Smear Tab		OSHA 1 MG/M3			0.5		6	MOD OSHA ID 125G	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water.
Nickel	7440-02-0	J537MCE208	Cassette, MCE Cassette	2.0 L/min	OSHA 1 MG/M3		0.00052 MG/M3	0.5	1000	6	MOD OSHA ID 125G	ICP		
Nitrogen Dioxide #	10102-44-0	594AT #	594AT #	22.3			0.025 PPM	0.5		6	MOD OSHA 182		Nitrogen Dioxide	Sampling rate has been lab verified.
Nitrous Oxide #	10024-97-2	575AT #	575AT Badge	0.88			0.53 PPM	0.4		6	AT SOP L575		Nitrous oxide	A field blank is recommended with each monitoring event so the results can be
Nitrous Oxide	10024-97-2	575AT	575AT Badge	0.88			0.53 PPM	0.4		6	AT SOP L575		Nitrous Oxide	Sampling rate has been lab verified.
Nonane #	111-84-2	546AT #	546AT #	2.02			0.098 PPM	0.5		6	AT-LOV (GC/FID)	OV List A		
Nonane	111-84-2	566AT	566AT Badge	8.09			0.025 PPM	0.5		6	AT-LOV (GC/FID)	OV List A		
Nonane	111-84-2	525AT	525AT Badge	46.8			0.0042 PPM	0.5		6	AT-LOV (GC/FID)	OV List A		
Octane #	111-65-9	546AT #	546AT Badge	2.14			0.42 PPM	2		6	AT-LOV (GC/FID)	OV List A		
Octane	111-65-9	566AT	566AT Badge	8.88			0.10 PPM	2		6	AT-LOV (GC/FID)	OV List A		
Octane	111-65-9	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 200 PPM		0.0089 PPM	2	10	6	AT-LOV (GC/FID)	OV List A		
Octane	111-65-9	525AT	525AT Badge	44.7			0.020 PPM	2		6	AT-LOV (GC/FID)	OV List A		
Oil Mist (Gravimetric)	8012-95-1	J537PVCW250	Cassette, PVC Pre-wet Cassette	2.0 L/min	OSHA 5 MG/M3		0.021 MG/M3	20	300	6	MOD NIOSH 500		Gravimetric	
Oil Mist (IR)	8012-95-1	J537PVC250	Cassette, PVC Cassette	2.0 L/min	OSHA 5 MG/M3		0.021 MG/M3	20	500	10	MOD NIOSH 5026			A sample of the oil must be sent to the laboratory to be used in the calibration of the instrument. It is recommended that the oil is sent to the laboratory prior to the monitoring event. Must fluids sent to the lab are actually metal working fluids.
Organic Solvent Panel	P705-25	525AT	525AT Badge							6	AT-LOV (GC/FID)	OV List Panel		Organic Solvent Panel (OSP) Search "OSP" for list of chemicals.
Ozone #	10028-15-6	586AT #	586AT Badge	15.2			0.0070 PPM	0.1		6	MOD OSHA 214		Ozone	Not recommended for STEL monitoring. Sampling rate has been lab verified.
1,1,1,3,3-Pentafluoropropane #	460-73-1	549AT #	549AT #	0.61			0.62 PPM	1	10	AT-LOV (GC/FID)		Freon		Not validated on the 546, 566 nor 525 badges. Sampling rate has been lab verified.
Pentane #	109-66-0	546AT #	546AT Badge	2.7			0.16 PPM	0.6		6	AT-LOV (GC/FID)	OV List A		
Pentane	109-66-0	566AT	566AT Badge	10.8			0.030 PPM	0.6		6	AT-LOV (GC/FID)	OV List A		
Pentane	109-66-0	525AT	525AT Badge	69.9			0.0061 PPM	0.6		6	AT-LOV (GC/FID)	OV List A		
2-Pentanone #	107-87-9	546AT #	546AT Badge	2.47			0.17 PPM	0.7		6	AT-LOV (GC/FID)	OV List A	Methyl Propyl Ketone	
2-Pentanone	107-87-9	566AT	566AT Badge	9.89			0.042 PPM	0.7		6	AT-LOV (GC/FID)	OV List A	Methyl Propyl Ketone	
2-Pentanone	107-87-9	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 200 PPM		0.0041 PPM	0.7	10	6	AT-LOV (GC/FID)	OV List A	Methyl Propyl Ketone	
2-Pentanone	107-87-9	525AT	525AT Badge	66.6			0.0062 PPM	0.7		6	AT-LOV (GC/FID)	OV List A	Methyl Propyl Ketone	
Perchloroethylene	127-18-4	525AT	525AT Badge	66.4			0.0093 PPM	2		6	AT-LOV (GC/FID)	OV List A	Tetrachloroethylene, PCE	This chemical is on the Organic Solvent Panel. (OSP). Search for "OSP" to see all the
Perchloroethylene #	127-18-4	566AT #	566AT Badge	7.1			0.087 PPM	2		6	AT-LOV (GC/FID)	OV List A	Tetrachloroethylene, PCE	Sampling rate has been lab verified.
Perchloroethylene	127-18-4	546AT	546AT Badge	1.78			0.35 PPM	2		6	AT-LOV (GC/FID)	OV List A	Tetrachloroethylene, PCE	Sampling rate has been lab verified.
Perchloroethylene	127-18-4	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 100 PPM		0.0061 PPM	2	10	6	AT-LOV (GC/FID)	OV List A	Tetrachloroethylene, PCE	
PGMEA	108-65-6	546AT	546AT Badge	2			0.19 PPM	1		6	AT-LOV (GC/FID)	OV List A	Propylene glycol monomethyl ether acetate, 1-Methoxy	Sampling rate has been lab verified.
PGMEA #	108-65-6	566AT #	566AT Badge	7.98			0.048 PPM	1		6	AT-LOV (GC/FID)	OV List A	Propylene glycol monomethyl ether acetate, 1-Methoxy	Sampling rate has been lab verified.
PGMEA	108-65-6	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 200 PPM		0.0039 PPM	1	10	6	AT-LOV (GC/FID)	OV List A	Propylene glycol monomethyl ether acetate, 1-Methoxy	
PGMEA	108-65-6	525AT	525AT Badge	57.8			0.0067 PPM	1		6	AT-LOV (GC/FID)	OV List A	Propylene glycol monomethyl ether acetate, 1-Methoxy	Sampling rate has been lab verified.
pH	A711-14	J5-025 G WIFE	Ghost Wipe					0.1		6	AT		pH	
Phenol #	108-95-2	596AT #	596AT Badge	90.3			0.030 PPM	5	10	MOD OSHA 32		Phenol		The new Phenol badge, 596, replaced the 525 badge in September 2019.
4-Phenyl Cyclohexene #	4994-16-5	546AT #	546AT Badge	1.82			0.53 PPM	3		6	AT-LOV (GC/FID)	OV List A	Rug Odor	
4-Phenyl Cyclohexene	4994-16-5	566AT	566AT Badge	7.38			0.13 PPM	3		6	AT-LOV (GC/FID)	OV List A	Rug Odor	
4-Phenyl Cyclohexene	4994-16-5	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 200 PPM		0.0097 PPM	3	10	6	AT-LOV (GC/FID)	OV List A	Rug Odor	
4-Phenyl Cyclohexene	4994-16-5	525AT	525AT Badge	54.6			0.018 PPM	3		6	AT-LOV (GC/FID)	OV List A	Rug Odor	This chemical is on the Organic Solvent Panel. (OSP). Search for "OSP" to see all the chemicals together on the Guide.
Phenyl Ether	101-84-8	566AT	566AT Badge	6.71			0.040 PPM	0.9		6	AT-LOV (GC/FID)	OV List B		
Phenyl Ether #	101-84-8	525AT #	525AT #	63.7			0.0062 PPM	0.9		6	AT-LOV (GC/FID)	OV List B		
O-Phthalaldehyde	643-79-8	571AT	571AT Badge	6.18			0.0027 MG/M3	0.008		6	MOD OSHA 64	OPA	Cidex OPA	OPA can not be collected with other aldehydes. The PEL and STEL limits listed are Johnson & Johnson recommendations. To reach a reporting limit of 0.0001 ppm, the badge must be used for at least 4 hours. Sampling rate has been lab verified.
O-Phthalaldehyde #	643-79-8	581AT #	581AT Badge	57.5			0.00029 MG/M3	0.008		6	MOD OSHA 64	OPA	Cidex OPA	OPA can not be collected with other aldehydes. Please verify the sensitivity with the regulatory limit you plan to use. To reach 0.1 ppb, monitor for 260 minutes.
Alpha-Pinene	80-56-8	546AT	546AT Badge	1.96			0.15 PPM	0.8		6	AT-LOV (GC/FID)	OV List C		
Alpha-Pinene #	80-56-8	566AT #	566AT Badge	7.86			0.038 PPM	0.8		6	AT-LOV (GC/FID)	OV List C		
Alpha-Pinene	80-56-8	525AT	525AT Badge	57.2			0.0052 PPM	0.8		6	AT-LOV (GC/FID)	OV List C		
Beta-Pinene	127-91-3	546AT	546AT Badge	1.96			0.15 PPM	0.8		6	AT-LOV (GC/FID)	OV List C		
Beta-Pinene #	127-91-3	566AT #	566AT Badge	7.86			0.038 PPM	0.8		6	AT-LOV (GC/FID)	OV List C		
Beta-Pinene	127-91-3	525AT	525AT Badge	57.2			0.0052 PPM	0.8		6	AT-LOV (GC/FID)	OV List C		
Potassium	2023695	J5-024 SMR TAB	Smear Tab					2.5		6	MOD OSHA ID 125G	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.
Potassium	2023695	J537MCE208	Cassette, MCE Cassette	2.0 L/min	OSHA 1 MG/M3		0.0026 MG/M3	2.5	1000	6	MOD OSHA ID 125G	ICP		
Potassium Hydroxide	1310-58-3	J537MCE208	Cassette, MCE Cassette	2.0 L/min			0.016 MG/M3	15	1000	6	MOD OSHA ID 125G			
1-Propanol	71-23-8	525AT	525AT Badge	82.5			0.016 PPM	1.6		6	AT-LOV (GC/FID)	OV List A	n-Propanol, Propyl Alcohol	
1-Propanol	71-23-8	566AT	566AT Badge	11.8			0.11 PPM	1.6		6	AT-LOV (GC/FID)	OV List A	n-Propanol, Propyl Alcohol	
1-Propanol #	71-23-8	546AT #	546AT #	2.96			0.46 PPM	1.6		6	AT-LOV (GC/FID)	OV List A	n-Propanol, Propyl Alcohol	
1-Propanol	71-23-8	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 200 PPM		0.014 PPM	1.6	10	6	AT-LOV (GC/FID)	OV List A	n-Propanol, Propyl Alcohol	
Propionaldehyde #	123-38-6	571AT #	571AT Badge	9.58			0.0092 PPM	0.1		10	MOD EPA TO-11		Aldehyde	
Propionaldehyde	123-38-6	581AT	581AT Badge	76.5			0.0011 PPM	0.1		10	MOD EPA TO-11		Aldehyde	
Propyl Acetate #	109-60-4	546AT #	546AT Badge	2.27			0.72 PPM	1		6	AT-LOV (GC/FID)	OV List A		
Propyl Acetate	109-60-4	566AT	566AT Badge	9.08			0.052 PPM	1		6	AT-LOV (GC/FID)	OV List A		
Propyl Acetate	109-60-4	525AT	525AT Badge	63.8			0.0078 PPM	1		6	AT-LOV (GC/FID)	OV List A		
N-Propyl Bromide	106-94-5	546AT	546AT Badge	2.07			0.40 PPM	2		6	AT-LOV (GC/FID)	OV List A	Propyl Bromide, 1-Bromopropane	
N-Propyl Bromide	106-94-5	566AT	566AT Badge	8.26			0.10 PPM	2		6	AT-LOV (GC/FID)	OV List A	Propyl Bromide, 1-Bromopropane	
N-Propyl Bromide	106-94-5	J6-001	Tube, Charcoal 50-100mg Tube	0.050 L/min	OSHA 200 PPM		0.017 PPM	2	12	6	AT-LOV (GC/FID)	OV List A	Propyl Bromide, 1-Bromopropane	
N-Propyl Bromide #	106-94-5	525AT #	525AT #	59.1			0.014 PPM	2		6	AT-LOV (GC/FID)	OV List A	Propyl Bromide, 1-Bromopropane	
Propylene Glycol Methyl Ether	107-98-2	546AT	546AT Badge	2.42			0.47 PPM	2		6	AT-LOV (GC/FID)	OV List A	1-Methoxy-2-propanol	
Propylene Glycol Methyl Ether #	107-98-2	566AT #	566AT Badge	9.66			0.12 PPM	2		6	AT-LOV (GC/FID)	OV List A	1-Methoxy-2-propanol	
Propylene Glycol Methyl Ether	107-98-2	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 200 PPM		0.011 PPM	2	10	6	AT-LOV (GC/FID)	OV List A	1-Methoxy-2-propanol	
Propylene Glycol Methyl Ether	107-98-2	525AT	525AT Badge	63			0.018 PPM	2		6	AT-LOV (GC/FID)	OV List A	1-Methoxy-2-propanol	
Propylene Oxide #	75-56-9	546AT #	546AT #	3.0										

# Assay Technology Inc - Sampling Guide

# - Indicates the badge / chemical combination we recommend.

Many of the NIOSH/OSHA methods have been modified. For a list of significant modifications, go to [www.assaytech.com](http://www.assaytech.com). Information in this table can change without notice.

Chemical	CAS No	Media/Item #	Media Description	Sampling Rate (mL/min)	OSHA PEL	STEL	8 hr Rpt Lmt	RL (ug)	Vol (L)	TAT	Method Ref	Test Group	Synonyms	Notes/Comments
Pyridine	110-86-1	566AT	566AT Badge	10.3	OSHA 5 PPM		0.056 PPM	0.9	6	6	AT-L-0V (GC/FID)	OV List A		
Pyridine #	110-86-1	525AT #	525AT Badge	71.4	OSHA 5 PPM		0.0081 PPM	0.9	6	6	AT-L-0V (GC/FID)	OV List A		
Selenium	7782-49-2	JS-024 SMR TAB	Smear Tab		OSHA 0.2 MG/M3			5			MOD OSHA ID 125G	ICP		J8114K: JS-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.
Selenium	7782-49-2	JS37MCE208	Cassette, MCE Cassette	2.0 L/min	OSHA 0.2 MG/M3		0.00052 MG/M3	0.5	1000	6	MOD OSHA ID 125G	ICP		
Sesofluorane #	28523-86-6	574AT #	574AT #	7.89			0.097 PPM	3			MOD OSHA 103	Anesthetic Gas	Uthane	Sampling rate has been lab verified.
Sesofluorane	28523-86-6	J6-001	Tube, Charcoal 50-100mg Tube	0.050 L/min			0.015 PPM	3	12	6	MOD OSHA 103	Anesthetic Gas	Uthane	
Crystalline-Silica (XRD) - Resp	7631-86-9	JS37PVC350	Cassette, PVC Cassette	2.5 L/min					1000	10	MOD NIOSH 7500	Subcontract		For respirable Crystalline Silica with dust, use a three piece pre-weighed PVC cassette, JS37PVC350. If dust is not needed, use JS37PVC350. Attach a cyclone and adjust flow according to the manufacturers cyclone instructions for use. Assay rents SKC Aluminum Cyclones. Assay part # R792 / SKC part #225-01-01. XRD analysis is subcontracted to another laboratory. Please contact our customer service department.
Crystalline-Silica (XRD) - Resp #	7631-86-9	JS-385 #	PVC 37 mm	2.0 L/min					1000	10	MOD NIOSH 7500	Subcontract		Use a Parallel Particle Impactor. Collect Respirable particulates without the need of a cyclone. The one time use impactors contain a preweighed PVC filter and are usually used for crystalline silica (Quartz, Tridymite, and Cristobalite.). Unless specifically requested, dust will not be performed. To calibrate your pump, a special adaptor from SKC is required. Assay technology rents calibrated pumps. The XRD analysis is subcontracted to another laboratory. Contact customer service for more information.
Crystalline-Silica (XRD) - Total	7631-86-9	JS37PVC250	Cassette, PVC Cassette	2.0 L/min					1000	10	MOD NIOSH 7500	Subcontract		For Total Crystalline Silica with Dust, use a two piece pre-weighed PVC cassette, JS37PVC250. If dust is not needed, use a JS37PVC250 cassette. XRD analysis is subcontracted to another laboratory. Please contact our customer service department.
Silver	7440-22-4	JS-024 SMR TAB	Smear Tab					0.5			MOD OSHA ID 125G	ICP		J8114K: JS-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.
Silver	7440-22-4	JS37MCE208	Cassette, MCE Cassette	2.0 L/min			0.00052 MG/M3	0.5	1000	6	MOD OSHA ID 125G	ICP		
Sodium	7440-23-5	JS-024 SMR TAB	Smear Tab					10			MOD OSHA ID 125G	ICP		J8114K: JS-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.
Sodium	7440-23-5	JS37MCE208	Cassette, MCE Cassette	2.0 L/min			0.010 MG/M3	10	1000	6	MOD OSHA ID 125G	ICP		
Stoddard Solvent	8052-41-3	J6-001	Tube, Charcoal 50-100mg Tube	0.20 L/min	OSHA 2900 MG/M3	NIOSH CEILING 1800 MG/M3	0.42 MG/M3	40	10	6	MOD NIOSH 1550	OV List C	Mineral Spirits	
Stoddard Solvent	8052-41-3	546AT	546AT Badge	1.76	OSHA 2900 MG/M3	NIOSH CEILING 1800 MG/M3	47 MG/M3	40			MOD NIOSH 1550	OV List C	Mineral Spirits	
Stoddard Solvent #	8052-41-3	566AT #	566AT #	7.03	OSHA 2900 MG/M3	NIOSH CEILING 1800 MG/M3	12 MG/M3	40			MOD NIOSH 1550	OV List C	Mineral Spirits	
Stoddard Solvent	8052-41-3	525AT	525AT Badge	53.3	OSHA 2900 MG/M3	NIOSH CEILING 1800 MG/M3	1.6 MG/M3	40			MOD NIOSH 1550	OV List C	Mineral Spirits	
Strontium	7440-24-6	JS-024 SMR TAB	Smear Tab					0.05			MOD OSHA ID 125G	ICP		J8114K: JS-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.
Strontium	7440-24-6	JS37MCE208	Cassette, MCE Cassette	2.0 L/min			0.000052 MG/M3	0.05	1000	6	MOD OSHA ID 125G	ICP		
Styrene	100-42-5	546AT	546AT Badge	2.3	OSHA 100 PPM	OSHA CEILING 200 PPM	0.11 PPM	0.5			AT-L-0V (GC/FID)	OV List A		
Styrene #	100-42-5	566AT #	566AT #	9.21	OSHA 100 PPM	OSHA CEILING 200 PPM	0.027 PPM	0.5			AT-L-0V (GC/FID)	OV List A		
Styrene	100-42-5	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 100 PPM	OSHA CEILING 200 PPM	0.0024 PPM	0.5	10	6	AT-L-0V (GC/FID)	OV List A		
Styrene	100-42-5	525AT	525AT Badge	58.4	OSHA 100 PPM	OSHA CEILING 200 PPM	0.0042 PPM	0.5			AT-L-0V (GC/FID)	OV List A		This chemical is on the Organic Solvent Panel (OSP). Search for "OSP" to see all the chemicals together on the Guide. Sampling rate has been lab verified.
2,4-TDI	584-84-9	JS-9002	Cassette, GFF w/ 1, PP	1.0 L/min		OSHA CEILING 0.02 PPM	0.000029 PPM	0.1	240	10	MOD OSHA 42	Isocyanates	Toluene-2,4-Diisocyanate	Sample openface (See method)
2,6-TDI	91-08-7	JS-9002	Cassette, GFF w/ 1, PP	1.0 L/min		OSHA CEILING 0.02 PPM	0.000015 PPM	0.05	240	10	MOD OSHA 42	Isocyanates	Toluene-2,6-Diisocyanate	Sample openface (See method)
1,1,1,3,3-Tetrafluoro-2-Propene #	29118-24-9	549AT #	549AT #	0.6			0.74 PPM	1			MOD OSHA 103	Anesthetic Gas	0.6	Not validated on the 546, 566 nor 525 badges. Sampling rate has been lab verified.
1,1,1,2-Tetrafluoroethane #	811-97-2	549AT #	549AT #	0.67			1.5 PPM	2			AT-L-0V (GC/FID)	Freon	HFC-134a	Not validated on the 546, 566 nor 525 badges. Sampling rate has been lab verified.
Tetrahydrofuran #	109-99-9	546AT #	546AT #	2.7	OSHA 200 PPM		0.21 PPM	0.8			AT-L-0V (GC/FID)	OV List A		Sampling rate has been lab verified.
Tetrahydrofuran	109-99-9	566AT	566AT #	10.8	OSHA 200 PPM		0.052 PPM	0.8			AT-L-0V (GC/FID)	OV List A		Sampling rate has been lab verified.
Tetrahydrofuran	109-99-9	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 200 PPM		0.0057 PPM	0.8	10	6	AT-L-0V (GC/FID)	OV List A		
Tetrahydrofuran	109-99-9	525AT	525AT Badge	77.7	OSHA 200 PPM		0.0073 PPM	0.8			AT-L-0V (GC/FID)	OV List A		This chemical is on the Organic Solvent Panel (OSP). Search for "OSP" to see all the chemicals together on the Guide. Sampling rate has been lab verified.
2,2,3,3-Tetramethylsuccinonitrile	3333-52-6	525AT	525AT Badge	57.3			0.020 PPM	3			AT-L-0V	OV List		
Thallium	7440-28-0	JS-024 SMR TAB	Smear Tab		OSHA 0.1 MG/M3			0.5			MOD OSHA ID 125G	ICP		J8114K: JS-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.
Thallium	7440-28-0	JS37MCE208	Cassette, MCE Cassette	2.0 L/min	OSHA 0.1 MG/M3		0.00052 MG/M3	0.5	1000	6	MOD OSHA ID 125G	ICP		
Tin	7440-31-5	JS-024 SMR TAB	Smear Tab		OSHA 2 MG/M3			2			MOD OSHA ID 125G	ICP		J8114K: JS-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.
Tin	7440-31-5	JS37MCE208	Cassette, MCE Cassette	2.0 L/min	OSHA 2 MG/M3		0.00052 MG/M3	0.5	1000	6	MOD OSHA ID 125G	ICP		
Titanium	7440-32-6	JS-024 SMR TAB	Smear Tab					0.2			MOD OSHA ID 125G	ICP		J8114K: JS-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.
Titanium	7440-32-6	JS37MCE208	Cassette, MCE Cassette	2.0 L/min			0.000052 MG/M3	0.05	1000	6	MOD OSHA ID 125G	ICP		
Titanium Dioxide	13463-67-7	JS37MCE208	Cassette, MCE Cassette	2.0 L/min			0.00010 MG/M3	0.1	1000	6	MOD OSHA ID 125G	ICP		
o-Tolualdehyde	529-20-4	571AT	571AT Badge	6.3			0.20 PPM	3			MOD EPA TO-11	Aldehyde		
m-Tolualdehyde #	620-23-5	571AT #	571AT #	6.29			0.20 PPM	3			MOD EPA TO-11	Aldehyde		
m-Tolualdehyde	620-23-5	581AT	581AT Badge	59.5			0.021 PPM	3			MOD EPA TO-11	Aldehyde		
Toluene	108-88-3	546AT	546AT Badge	2.37	OSHA 200 PPM	OSHA CEILING 300 PPM	0.47 PPM	2			AT-L-0V (GC/FID)	OV List A		Sampling rate has been lab verified.
Toluene #	108-88-3	566AT #	566AT #	9.48	OSHA 200 PPM	OSHA CEILING 300 PPM	0.12 PPM	2			AT-L-0V (GC/FID)	OV List A		Sampling rate has been lab verified.
Toluene	108-88-3	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 200 PPM	OSHA CEILING 300 PPM	0.011 PPM	2	10	6	AT-L-0V (GC/FID)	OV List A		
Toluene	108-88-3	525AT	525AT Badge	69.5	OSHA 200 PPM	OSHA CEILING 300 PPM	0.016 PPM	2			AT-L-0V (GC/FID)	OV List A		This chemical is on the Organic Solvent Panel (OSP). Search for "OSP" to see all the chemicals together on the Guide. Sampling rate has been lab verified.
1,1,1-Trichloroethane #	71-55-6	546AT #	546AT #	1.98	OSHA 350 PPM		0.58 PPM	3			AT-L-0V (GC/FID)	OV List A	Methyl chloroform	Sampling rate has been lab verified.
1,1,1-Trichloroethane	71-55-6	566AT	566AT #	7.93	OSHA 350 PPM		0.14 PPM	3			AT-L-0V (GC/FID)	OV List A	Methyl chloroform	Sampling rate has been lab verified.
1,1,1-Trichloroethane	71-55-6	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 350 PPM		0.011 PPM	3	10	6	AT-L-0V (GC/FID)	OV List A	Methyl chloroform	
1,1,1-Trichloroethane	71-55-6	525AT	525AT Badge	60.3	OSHA 350 PPM		0.019 PPM	3			AT-L-0V (GC/FID)	OV List A	Methyl chloroform	This chemical is on the Organic Solvent Panel (OSP). Search for "OSP" to see all the chemicals together on the Guide. Sampling rate has been lab verified.
1,1,2-Trichloroethane	79-00-5	566AT	566AT #	7.58	OSHA 10 PPM		0.10 PPM	2			AT-L-0V (GC/FID)	OV List A		
1,1,2-Trichloroethane #	79-00-5	546AT #	546AT #	1.9	OSHA 10 PPM		0.40 PPM	2			AT-L-0V (GC/FID)	OV List A		
1,1,2-Trichloroethane	79-00-5	525AT	525AT Badge	57.6	OSHA 10 PPM		0.013 PPM	2			AT-L-0V (GC/FID)	OV List A		
Trichloroethylene	79-01-6	546AT	546AT #	2.15	OSHA 100 PPM	OSHA CEILING 200 PPM	0.36 PPM	2			AT-L-0V (GC/FID)	OV List A	TCE	Sampling rate has been lab verified.
Trichloroethylene #	79-01-6	566AT #	566AT #	8.6	OSHA 100 PPM	OSHA CEILING 200 PPM	0.094 PPM	2			AT-L-0V (GC/FID)	OV List A	TCE	Sampling rate has been lab verified.
Trichloroethylene	79-01-6	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 100 PPM	OSHA CEILING 200 PPM	0.0018 PPM	2	10	6	AT-L-0V (GC/FID)	OV List A	TCE	
Trichloroethylene	79-01-6	525AT	525AT Badge	72.9	OSHA 100 PPM	OSHA CEILING 200 PPM	0.011 PPM	2			AT-L-0V (GC/FID)	OV List A	TCE	This chemical is on the Organic Solvent Panel (OSP). Search for "OSP" to see all the chemicals together on the Guide. Sampling rate has been lab verified.
1,1,2-Trichlorotrifluoroethane #	76-13-1	546AT #	546AT #	1.67	OSHA 1000 PPM		0.57 PPM	3.5			AT-L-0V (GC/FID)	OV List A	CFC 113	
1,1,2-Trichlorotrifluoroethane	76-13-1	566AT	566AT #	6.69	OSHA 1000 PPM		0.14 PPM	3.5			AT-L-0V (GC/FID)	OV List A	CFC 113	
1,1,2-Trichlorotrifluoroethane	76-13-1	525AT	525AT Badge	58.4	OSHA 1000 PPM		0.016 PPM	3.5			AT-L-0V (GC/FID)	OV List A	CFC 113	
Triethanolamine	102-71-6	JS37GFF203	Cassette, GFF Cassette	1.0 L/min			0.0085 PPM	25	120	10	MOD OSHA PV2141			
Triethylenetetramine #	112-24-3	585AT #	585AT #	6.05			0.14 PPM	2.5			MOD OSHA 60	Amine		
1,2,4-Trimethylbenzene	95-63-6	525AT	525AT Badge	59.5			0.0071 PPM	1			AT-L-0V (GC/FID)	OV List C		Not a OV A chemical. Analyze with list C Chemicals.
1,2,4-Trimethylbenzene #	95-63-6	566AT #	566AT #	8.36			0.051 PPM	1			AT-L-0V (GC/FID)	OV List C		Not a OV A chemical. Analyze with list C Chemicals.
1,2,4-Trimethylbenzene	95-63-6	546AT	546AT #	2.09			0.20 PPM	1			AT-L-0V (GC/FID)	OV List C		Not a OV A chemical. Analyze with list C Chemicals.
1,2,4-Trimethylbenzene	95-63-6	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min			0.0042 PPM	1	10	6	AT-L-0V (GC/FID)	OV List C		Not a OV A chemical. Analyze with list C Chemicals.
2,2,4-Trimethylpentane	540-84-1	525AT	525AT #	44.7			0.030 PPM	3			AT-L-0V (GC/FID)	OV List A	IsoOctane	
2,2,4-Trimethylpentane	540-84-1	566AT	566AT #	8.6			0.16 PPM	3			AT-L-0V (GC/FID)	OV List A	IsoOctane	
2,2,4-Trimethylpentane	540-84-1	546AT	546AT #	2.21			0.69 PPM	3			AT-L-0V (GC/FID)	OV List A	IsoOctane	
Valeraldehyde #	110-62-3	571AT #	571AT #	7.21			0.082 PPM	1			MOD EPA TO-11	Aldehyde		
Valeraldehyde	110-62-3	581AT	581AT #	68.3			0.0087 PPM	1			MOD EPA TO-11	Aldehyde		
Vanadium	7440-62-2	JS-024 SMR TAB	Smear Tab					0.2			MOD OSHA ID 125G	ICP		J8114K: JS-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.

# Assay Technology Inc - Sampling Guide

# - Indicates the badge / chemical combination we recommend.

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Chemical	CAS No	Media/Item #	Media Description	Sampling Rate (mL/min)	PEL	STEL	8 hr Rpt Lmt	RL (ug)	Vol (L)	TAT	Method Ref	Test Group	Synonyms	Notes/Comments
Vinyl Acetate	108-05-4	566AT	566AT Badge	2.47			0.24 PPM	1		6	AT L-OV (GC/FID)	OV List A		
Vinyl Acetate #	108-05-4	566AT #	566AT Badge	9.89			0.050 PPM	1		6	AT L-OV (GC/FID)	OV List A		
Vinyl Acetate	108-05-4	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min			0.0059 PPM	1	10	6	AT L-OV (GC/FID)	OV List A		
Vinyl Acetate	108-05-4	525AT	525AT Badge	70.8			0.0084 PPM	1		6	AT L-OV (GC/FID)	OV List A		
Vinyl Chloride	75-01-4	546AT	546AT Badge	2.9	OSHA 1 PPM		0.14 PPM	0.5		6	AT L-OV (GC/FID)	OV List A		It is not recommended that Vinyl Chloride be collected on the 525 badge.
Vinyl Chloride #	75-01-4	566AT #	566AT Badge	11.6	OSHA 1 PPM		0.035 PPM	0.5		6	AT L-OV (GC/FID)	OV List A		It is not recommended that Vinyl Chloride be collected on the 525 badge.
Vinyl Toluene	25013-15-4	546AT	546AT Badge	2.11	OSHA 100 PPM		0.10 PPM	0.5		6	AT L-OV (GC/FID)	OV List B	Methyl Styrene	
Vinyl Toluene #	25013-15-4	566AT #	566AT Badge	8.43	OSHA 100 PPM		0.026 PPM	0.5		6	AT L-OV (GC/FID)	OV List B	Methyl Styrene	
Vinyl Toluene	25013-15-4	525AT	525AT Badge	59.9	OSHA 100 PPM		0.0036 PPM	0.5		6	AT L-OV (GC/FID)	OV List B	Methyl Styrene	
N-Vinyl-2-Pyrrolidone	88-12-0	525AT	525AT Badge	61.1			0.023 PPM	3		6	AT L-OV (GC/FID)	OV List A		
4-Vinylcyclohexene	100-40-3	546AT	546AT Badge	2.2			0.064 PPM	0.3		6	AT L-OV (GC/FID)	OV List A	4-Vinyl-3-cyclohexene	
4-Vinylcyclohexene	100-40-3	566AT	566AT Badge	8.8			0.016 PPM	0.3		6	AT L-OV (GC/FID)	OV List A	4-Vinyl-1-cyclohexene	
4-Vinylcyclohexene #	100-40-3	525AT #	525AT Badge	61.6			0.0023 PPM	0.3		6	AT L-OV (GC/FID)	OV List A	4-Vinyl-1-cyclohexene	
Vinylidene Chloride	75-35-4	546AT	546AT Badge	2.33			0.27 PPM	1.2		6	AT L-OV (GC/FID)	OV List A	1,1 DCE	
Vinylidene Chloride	75-35-4	566AT	566AT Badge	9.32			0.068 PPM	1.2		6	AT L-OV (GC/FID)	OV List A	1,1 DCE	
Vinylidene Chloride	75-35-4	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min			0.0063 PPM	1.2	10	6	AT L-OV (GC/FID)	OV List A	1,1 DCE	
Vinylidene Chloride #	75-35-4	525AT #	525AT Badge	63.9			0.0099 PPM	1.2		6	AT L-OV (GC/FID)	OV List A	1,1 DCE	
VM&P Naphtha #	8032-32-4	566AT #	566AT Badge	8.92	NIOSH 350 MG/M3	NIOSH CEILING 1800 MG/M3	9.3 MG/M3	40		6	MOD NIOSH 1550	OV List C	VMP Naphtha	
VM&P Naphtha	8032-32-4	J6-001	Tube, Charcoal 50-100mg Tube	0.20 L/min	NIOSH 350 MG/M3	NIOSH CEILING 1800 MG/M3	0.42 MG/M3	40	10	6	MOD NIOSH 1550	OV List C	VMP Naphtha	
VM&P Naphtha	8032-32-4	546AT	546AT Badge	2.23	NIOSH 350 MG/M3	NIOSH CEILING 1800 MG/M3	37 MG/M3	40		6	MOD NIOSH 1550	OV List C	VMP Naphtha	
VM&P Naphtha	8032-32-4	525AT	525AT Badge	56.1	NIOSH 350 MG/M3	NIOSH CEILING 1800 MG/M3	1.5 MG/M3	40		6	MOD NIOSH 1550	OV List C	VMP Naphtha	