

Assay Technology Inc - Sampling Guide

- Indicates the badge / chemical combination we recommend.

The 521 and 580 badges have been replaced by the TraceAir II badges 525 and 581. Until the last lots of 521 and 525 have expired, they will be listed here.

All 521 sampling rates are with both covers removed. Many of the NIOSH/OSHA methods have been modified. For a list of significant modifications, go to www.assaytech.com. Information in this table can change without notice.

OSP = Organic Solvent Panel. See X525-25AT

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	ACGIH CEILING 25 PPM	0.30 PPM	3		10	MOD EPA TO-11	Aldehyde		
Acetaldehyde	75-07-0	580AT	580AT Badge	80.7	OSHA 200 PPM	ACGIH CEILING 25 PPM	0.043 PPM	3		10	MOD EPA TO-11	Aldehyde		The 580 badge has been replaced by the 581 badge. The 580 information will be available until the last 580 lot expires.
Acetaldehyde	75-07-0	581AT	581AT Badge	84.7	OSHA 200 PPM	ACGIH CEILING 25 PPM	0.041 PPM	3		10	MOD EPA TO-11	Aldehyde		
Acetic Acid	64-19-7	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 10 PPM	ACGIH TLV 15 PPM	0.0085 PPM	1	24	6	MOD OSHA 1865G	Acetic Acid	Propenal	
Acetic Acid #	64-19-7	543AT #	543AT Badge	11.0	OSHA 10 PPM	ACGIH TLV 15 PPM	0.077 PPM	1		6	MOD OSHA 1865G	Acetic Acid	Propenal	Can only be collected on 543 monitor. The media inside the badge changed with lot #N17. The previous sampling rate was 7.09 mL/min. ***
Acetone	67-64-1	521AT	521AT Badge	83.0	OSHA 1000 PPM	ACGIH STEL 500 PPM	0.021 PPM	2		6	AT L-OV (GC/FID)	OV List A		This Chemical is on the Organic Solvent Panel. OSP
Acetone #	67-64-1	546AT #	546AT Badge	3.23	OSHA 1000 PPM	ACGIH STEL 500 PPM	0.54 PPM	2		6	AT L-OV (GC/FID)	OV List A		
Acetone	67-64-1	566AT	566AT Badge	12.9	OSHA 1000 PPM	ACGIH STEL 500 PPM	0.14 PPM	2		6	AT L-OV (GC/FID)	OV List A		
Acetone	67-64-1	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 1000 PPM	ACGIH STEL 500 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	ACGIH STEL 500 PPM	0.020 PPM	2		6	AT L-OV (GC/FID)	OV List A		This Chemical is on the Organic Solvent Panel. OSP
Acetonitrile	75-05-8	521AT	521AT Badge	93.6	OSHA 40 PPM		0.019 PPM	1.4		6	AT L-OV (GC/FID)	OV List A		
Acetonitrile	75-05-8	546AT	546AT Badge	3.48	OSHA 40 PPM		0.50 PPM	1.4		6	AT L-OV (GC/FID)	OV List A		
Acetonitrile #	75-05-8	566AT #	566AT Badge	13.9	OSHA 40 PPM		0.12 PPM	1.4		6	AT L-OV (GC/FID)	OV List A		
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	AT L-OV (GC/FID)	OV List A		
Acetophenone	98-86-2	566AT	566AT Badge	8.00	ACGIH 10 PPM		0.25 PPM	5		6	AT L-OV (GC/FID)	OV List B		
Acrolein #	107-02-8	592AT #	592AT Badge	8.56	OSHA 1 PPM		0.053 PPM	0.5		10	MOD OSHA 52	Acrolein		
Acrylonitrile	107-13-1	521AT	521AT Badge	83.8	OSHA 2 PPM	OSHA CEILING 10 PPM	0.011 PPM	1		6	MOD NIOSH 1604	OV List A		
Acrylonitrile	107-13-1	546AT	546AT Badge	3.23	OSHA 2 PPM	OSHA CEILING 10 PPM	0.30 PPM	1		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	MOD NIOSH 1604	OV List A		
Acrylonitrile	107-13-1	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 2 PPM	OSHA CEILING 10 PPM	0.0096 PPM	1	20	6	MOD NIOSH 1604	OV List A		
Acrylonitrile #	107-13-1	525AT #	525AT Badge	88.0	OSHA 2 PPM	OSHA CEILING 10 PPM	0.011 PPM	1		6	MOD NIOSH 1604	OV List A		
Allyl Alcohol	107-18-6	521AT	521AT Badge	80.8	OSHA 2 PPM	NIOSH CEILING 4 PPM	0.0098 PPM	0.9		6	AT L-OV (GC/FID)	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	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	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	AT L-OV (GC/FID)	OV List A		
Ammonia Chloride	107-05-1	521AT	521AT Badge	80.8	OSHA 2 PPM	ACGIH CEILING 2 PPM	0.0093 PPM	1.1		6	AT L-OV (GC/FID)	OV List A		
Allyl Chloride	107-05-1	546AT	546AT Badge	2.62	OSHA 2 PPM	ACGIH CEILING 2 PPM	0.28 PPM	1.1		6	AT L-OV (GC/FID)	OV List A		
Allyl Chloride	107-05-1	566AT	566AT Badge	10.5	OSHA 2 PPM	ACGIH CEILING 2 PPM	0.070 PPM	1.1		6	AT L-OV (GC/FID)	OV List A		
Allyl Chloride #	107-05-1	525AT #	525AT Badge	84.8	OSHA 2 PPM	ACGIH CEILING 2 PPM	0.0086 PPM	1.1		6	AT L-OV (GC/FID)	OV List A		
Aluminum	7429-90-5	J537MCE208	Cassette, MCE Cassette	2.0 L/min	OSHA 15 MG/M3		0.0021 MG/M3	2	1000	6	MOD OSHA ID 125	ICP		
Aluminum	7429-90-5	J5-024 SMR TAB	Smear Tab					2		6	MOD OSHA ID 125	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	MOD OSHA ID 125	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	J537MCE208	Cassette, MCE Cassette	2.0 L/min			0.0052 MG/M3	5	1000	6	MOD OSHA ID 125	ICP		
Ammonia #	7664-41-7	584AT #	584AT Badge	28.8	OSHA 50 PPM	ACGIH STEL 35 PPM	0.31 PPM	3		6	MOD OSHA ID 188	Ammonia		
Ammonia	7664-41-7	J6-010-06	Tube, Silica Gel-w/H2SO4 100-1200mg Tube	0.10 L/min	OSHA 50 PPM	ACGIH STEL 35 PPM	0.090 PPM	3	24	6	MOD OSHA ID 188	Ammonia		
Amyl Acetate	628-63-7	546AT	546AT Badge	2.01			0.18 PPM	0.9		6	AT L-OV (GC/FID)	OV List A		
Amyl Acetate #	628-63-7	566AT #	566AT Badge	8.03			0.044 PPM	0.9		6	AT L-OV (GC/FID)	OV List A		
Antimony	7440-36-0	J5-024 SMR TAB	Smear Tab					0.5		6	MOD OSHA ID 125	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.
Antimony	7440-36-0	J537MCE208	Cassette, MCE Cassette	2.0 L/min			0.00052 MG/M3	0.5	1000	6	MOD OSHA ID 125	ICP		
Arsenic	7440-38-2	J5-025 G WIPE	Ghost Wipe		OSHA 0.01 MG/M3	NIOSH CEILING 0.002 MG/M3		0.5		6	MOD OSHA ID 125	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					0.5		6	MOD OSHA ID 125	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.
Arsenic	7440-38-2	J537MCE208	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 125	ICP		
Asbestos Fibers by PCM	1332-21-4	JC25MCE308	Cassette, MCE (Asbestos)	2.0 L/min				4	400	10	NIOSH 7400 (A)	Asbestos		Adjust flow to give 100 to 1300 fiber/mm ³ . 0.5 to 16 L/min. All Asbestos analyses are contracted to another AIHA LLC accredited laboratory.
Asbestos Fibers by TEM	1332-21-4	JC25MCE3045	Cassette, MCE (TEM)	2.0 L/min				4	400	10	NIOSH 7402	Asbestos		Adjust flow to give 100 to 1300 fiber/mm ³ . 0.5 to 16 L/min. All Asbestos analyses are contracted to another AIHA LLC accredited laboratory.
Barium	7440-39-3	J5-024 SMR TAB	Smear Tab					0.05		6	MOD OSHA ID 125	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.
Barium	7440-39-3	J537MCE208	Cassette, MCE Cassette	2.0 L/min	NIOSH 0.5 MG/M3		0.000052 MG/M3	0.05	1000	6	MOD OSHA ID 125	ICP		
Benzaldehyde #	100-52-7	571AT #	571AT Badge	6.97			0.021 PPM	0.3		10	MOD EPA TO-11	Aldehyde	Benzal	
Benzaldehyde	100-52-7	580AT	580AT Badge	62.7			0.0023 PPM	0.3		10	MOD EPA TO-11	Aldehyde	Benzal	The 580 badge has been replaced by the 581 badge. The 580 information will be available until the last 580 lot expires.
Benzaldehyde	100-52-7	581AT	581AT Badge	65.8			0.0022 PPM	0.3		10	MOD EPA TO-11	Aldehyde	Benzal	
Benzene	71-43-2	521AT	521AT Badge	73.0	OSHA 1 PPM	OSHA STEL 5 PPM	0.0036 PPM	0.4		6	AT L-OV (GC/FID)	OV List A		This Chemical is on the Organic Solvent Panel. OSP
Benzene	71-43-2	546AT	546AT Badge	2.42	OSHA 1 PPM	OSHA STEL 5 PPM	0.11 PPM	0.4		6	AT L-OV (GC/FID)	OV List A		
Benzene	71-43-2	566AT	566AT Badge	9.69	OSHA 1 PPM	OSHA STEL 5 PPM	0.007 PPM	0.4		6	AT L-OV (GC/FID)	OV List A		
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	AT L-OV (GC/FID)	OV List A		This Chemical is on the Organic Solvent Panel. OSP
Benzyl Alcohol #	100-51-6	566AT #	566AT Badge	8.50			0.28 PPM	5		6	AT L-OV (GC/FID)	OV List A		
Benzyl Alcohol	100-51-6	521AT	521AT Badge	62.3			0.038 PPM	5		6	AT L-OV (GC/FID)	OV List A		
Benzyl Alcohol	100-51-6	546AT	546AT Badge	2.13			1.1 PPM	5		6	AT L-OV (GC/FID)	OV List A		
Benzyl Alcohol	100-51-6	525AT	525AT Badge	65.4			0.036 PPM	5		6	AT L-OV (GC/FID)	OV List A		
Benzyl Chloride	100-44-7	521AT	521AT Badge	56.4	OSHA 1 PPM	NIOSH CEILING 1 PPM	0.0071 PPM	1		6	AT L-OV (GC/FID)	OV List B		
Benzyl Chloride	100-44-7	546AT	546AT Badge	2.03	OSHA 1 PPM	NIOSH CEILING 1 PPM	0.20 PPM	1		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	0.040 PPM	1		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	AT L-OV (GC/FID)	OV List B		
Beryllium	7440-41-7	J5-024 SMR TAB	Smear Tab					0.05		6	MOD OSHA ID 125	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		6	MOD OSHA ID 125	ICP		Does not include Beryllium Oxide. Contact Customer Service for Beryllium Oxide Testing. J8109K: J5-025 + J8054 (Ghost wipe with Vial). Ghost wipes are pre-moistened with DI water. Additional DI water is not necessary
Beryllium	7440-41-7	J537MCE208	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 125	ICP		
Boron	7440-42-8	J5-024 SMR TAB	Smear Tab					0.5		6	MOD OSHA ID 125	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.
Boron	7440-42-8	J537MCE208	Cassette, MCE Cassette	2.0 L/min	OSHA 0.1 PPM		0.00052 MG/M3	0.5	1000	6	MOD OSHA ID 125	ICP		
Bromine	7726-95-6	J5-9006	Cassette, PTFE Ag membrane	1.0 L/min	OSHA 0.1 PPM	ACGIH STEL 0.2 PPM	0.0016 PPM	5	360	6	MOD NIOSH 6011	Halogen		
1,3-Butadiene	106-99-0	546AT	546AT Badge	3.20	OSHA 1 PPM	OSHA STEL 5 PPM	0.18 PPM	0.6		6	AT L-OV (GC/FID)	OV List A		It is not recommended that 1,3-Butadiene be collected on the 521/525 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	AT L-OV (GC/FID)	OV List A		It is not recommended that 1,3-Butadiene be collected on the 521/525 badge.

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All 521 and 580 badges are with both covers removed.
Many of the NIOSH/OSHA methods have been modified. For a list of significant modifications, go to www.assaytech.com.
Information in this table can change without notice.

OSP = Organic Solvent Panel. See X525-25AT

- Indicates the badge / chemical combination we recommend.

The 521 and 580 badges have been replaced by the TraceAir II badges 525 and 581. Until the last lots of 521 and 525 have expired, they will be listed here.

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	
1,3-Butadiene	106-99-0	J5-001	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-0V (GC/FID)	OV List A		It is not recommended that 1,3-Butadiene be collected on the 521/525 badge.	
1-Butanol	71-36-3	521AT	521AT Badge	68.2	OSHA 100 PPM	NIOSH CEILING 50 PPM	0.10 PPM	1	10	6	AT-L-0V (GC/FID)	OV List A	n-Butanol, Butyl Alcohol	This Chemical is on the Organic Solvent Panel. OSP	
1-Butanol	71-36-3	546AT	546AT Badge	2.67	OSHA 100 PPM	NIOSH CEILING 50 PPM	0.26 PPM	1	6	AT-L-0V (GC/FID)	OV List A		n-Butanol, Butyl Alcohol		
1-Butanol #	71-36-3	566AT #	566AT Badge	10.7	OSHA 100 PPM	NIOSH CEILING 50 PPM	0.064 PPM	1	6	AT-L-0V (GC/FID)	OV List A		n-Butanol, Butyl Alcohol		
1-Butanol	71-36-3	J5-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 100 PPM	NIOSH CEILING 50 PPM	0.0069 PPM	1	10	6	AT-L-0V (GC/FID)	OV List A	n-Butanol, Butyl Alcohol		
1-Butanol	71-36-3	525AT	525AT Badge	71.6	OSHA 100 PPM	NIOSH CEILING 50 PPM	0.0096 PPM	1	6	AT-L-0V (GC/FID)	OV List A		n-Butanol, Butyl Alcohol	This Chemical is on the Organic Solvent Panel. OSP	
2-Butanol	78-92-2	546AT	546AT Badge	2.67	OSHA 150 PPM	NIOSH STEL 150 PPM	0.18 PPM	0.7	6	AT-L-0V (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	AT-L-0V (GC/FID)	OV List A		sec-Butyl Alcohol		
2-Butoxyethanol	111-76-2	546AT	546AT Badge	2.11	OSHA 50 PPM	NIOSH CEILING 5.6 PPM	1.0 PPM	5	6	AT-L-0V (GC/FID)	OV List A		Butyl Cellosolve		
2-Butoxyethanol #	111-76-2	566AT #	566AT Badge	8.43	OSHA 50 PPM	NIOSH CEILING 5.6 PPM	0.26 PPM	5	6	AT-L-0V (GC/FID)	OV List A		Butyl Cellosolve		
2-Butoxyethanol	111-76-2	J5-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 50 PPM	NIOSH CEILING 5.6 PPM	0.022 PPM	5	10	6	AT-L-0V (GC/FID)	OV List A		Butyl Cellosolve	
2-Butoxyethanol	111-76-2	521AT	521AT Badge	50.2	OSHA 50 PPM	NIOSH CEILING 5.6 PPM	0.043 PPM	5	6	AT-L-0V (GC/FID)	OV List A		Butyl Cellosolve		
2-Butoxyethanol	111-76-2	525AT	525AT Badge	52.7	OSHA 50 PPM	NIOSH CEILING 5.6 PPM	0.041 PPM	5	6	AT-L-0V (GC/FID)	OV List A		Butyl Cellosolve		
N-Butyl Acetate	123-86-4	521AT	521AT Badge	53.2	OSHA 150 PPM	ACGIH STEL 150 PPM	0.0074 PPM	0.9	6	AT-L-0V (GC/FID)	OV List A			This Chemical is on the Organic Solvent Panel. OSP	
N-Butyl Acetate #	123-86-4	546AT #	546AT Badge	1.99	OSHA 150 PPM	ACGIH STEL 150 PPM	0.20 PPM	0.9	6	AT-L-0V (GC/FID)	OV List A				
N-Butyl Acetate	123-86-4	566AT	566AT Badge	7.94	OSHA 150 PPM	ACGIH STEL 150 PPM	0.050 PPM	0.9	6	AT-L-0V (GC/FID)	OV List A				
N-Butyl Acetate	123-86-4	J5-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 150 PPM	ACGIH STEL 150 PPM	0.0039 PPM	0.9	10	6	AT-L-0V (GC/FID)	OV List A			
N-Butyl Acetate	123-86-4	525AT	525AT Badge	55.9	OSHA 150 PPM	ACGIH STEL 150 PPM	0.0071 PPM	0.9	6	AT-L-0V (GC/FID)	OV List A			This Chemical is on the Organic Solvent Panel. OSP	
Tert-Butyl Acetate #	540-88-5	546AT #	546AT Badge	2.13	OSHA 200 PPM	NIOSH CEILING 5.6 PPM	0.41 PPM	2	6	AT-L-0V (GC/FID)	OV List A				
Tert-Butyl Acetate	540-88-5	566AT	566AT Badge	8.50	OSHA 200 PPM	NIOSH CEILING 5.6 PPM	0.10 PPM	2	6	AT-L-0V (GC/FID)	OV List A				
Tert-Butyl Acetate	540-88-5	521AT	521AT Badge	53.0	OSHA 200 PPM	NIOSH CEILING 5.6 PPM	0.017 PPM	2	6	AT-L-0V (GC/FID)	OV List A				
Tert-Butyl Acetate	540-88-5	J5-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 200 PPM	NIOSH CEILING 5.6 PPM	0.0088 PPM	2	10	6	AT-L-0V (GC/FID)	OV List A			
Tert-Butyl Acetate	540-88-5	525AT	525AT Badge	55.7	OSHA 200 PPM	NIOSH CEILING 5.6 PPM	0.016 PPM	2	6	AT-L-0V (GC/FID)	OV List A				
Butyl Acrylate	141-32-2	521AT	521AT Badge	55.6	ACGIH 2 PPM	NIOSH STEL 150 PPM	0.0093 PPM	1.3	6	AT-L-0V (GC/FID)	OV List A				
Butyl Acrylate	141-32-2	546AT	546AT Badge	2.03	ACGIH 2 PPM	NIOSH STEL 150 PPM	0.26 PPM	1.3	6	AT-L-0V (GC/FID)	OV List A				
Butyl Acrylate	141-32-2	566AT	566AT Badge	8.10	ACGIH 2 PPM	NIOSH STEL 150 PPM	0.064 PPM	1.3	6	AT-L-0V (GC/FID)	OV List A				
Butyl Acrylate #	141-32-2	525AT #	525AT Badge	58.4	ACGIH 2 PPM	NIOSH STEL 150 PPM	0.0088 PPM	1.3	6	AT-L-0V (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	AT-L-0V (GC/FID)	OV List A				
T-Butyl Alcohol	75-65-0	566AT #	566AT Badge	10.7	OSHA 100 PPM	NIOSH STEL 150 PPM	0.064 PPM	1	6	AT-L-0V (GC/FID)	OV List A				
Butyl Glycidyl Ether #	2426-08-6	566AT #	566AT Badge	7.70	OSHA 50 PPM	NIOSH CEILING 5.6 PPM	0.051 PPM	1	6	AT-L-0V (GC/FID)	OV List B				
Butyl Glycidyl Ether	2426-08-6	546AT	546AT Badge	1.92	OSHA 50 PPM	NIOSH CEILING 5.6 PPM	0.20 PPM	1	6	AT-L-0V (GC/FID)	OV List B				
Butyl Glycidyl Ether	2426-08-6	521AT	521AT Badge	55.3	OSHA 50 PPM	NIOSH CEILING 5.6 PPM	0.0071 PPM	1	6	AT-L-0V (GC/FID)	OV List A				
Butyl Glycidyl Ether	2426-08-6	525AT	525AT Badge	58.1	OSHA 50 PPM	NIOSH CEILING 5.6 PPM	0.0057 PPM	1	6	AT-L-0V (GC/FID)	OV List B				
Butyl Methacrylate	97-88-1	566AT	566AT Badge	7.67	OSHA 50 PPM	NIOSH CEILING 5.6 PPM	0.061 PPM	1.3	6	AT-L-0V (GC/FID)	OV List A				
Butyl Methacrylate	97-88-1	521AT	521AT Badge	53.8	OSHA 50 PPM	NIOSH CEILING 5.6 PPM	0.0087 PPM	1.3	6	AT-L-0V (GC/FID)	OV List A				
Butyl Methacrylate	97-88-1	525AT	525AT Badge	56.5	OSHA 50 PPM	NIOSH CEILING 5.6 PPM	0.0082 PPM	1.3	6	AT-L-0V (GC/FID)	OV List A				
T-Butyl Methyl Ether	1634-04-4	521AT	521AT Badge	62.9	ACGIH 5 PPM	ACGIH CEILING 5 PPM	0.0088 PPM	0.9	6	AT-L-0V (GC/FID)	OV List A		Methyl tert Butyl Ether, MTBE		
T-Butyl Methyl Ether	1634-04-4	546AT	546AT Badge	2.44	ACGIH 5 PPM	ACGIH CEILING 5 PPM	0.21 PPM	0.9	6	AT-L-0V (GC/FID)	OV List A		Methyl tert Butyl Ether, MTBE		
T-Butyl Methyl Ether	1634-04-4	566AT #	566AT Badge	9.77	ACGIH 5 PPM	ACGIH CEILING 5 PPM	0.053 PPM	0.9	6	AT-L-0V (GC/FID)	OV List A		Methyl tert Butyl Ether, MTBE		
T-Butyl Methyl Ether	1634-04-4	J5-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	ACGIH 5 PPM	ACGIH CEILING 5 PPM	0.0052 PPM	0.9	10	6	AT-L-0V (GC/FID)	OV List A		Methyl tert Butyl Ether, MTBE	
T-Butyl Methyl Ether	1634-04-4	525AT	525AT Badge	66.0	ACGIH 5 PPM	ACGIH CEILING 5 PPM	0.0079 PPM	0.9	6	AT-L-0V (GC/FID)	OV List A		Methyl tert Butyl Ether, MTBE		
Butyraldehyde	109-72-9	525AT #	525AT #	7.04	OSHA 5 PPM	ACGIH CEILING 5 PPM	0.044 PPM	0.5	10	MOD EPA TO-11	Aldehyde	Butanal			
Butyraldehyde	123-72-8	571AT #	571AT Badge	8.20	OSHA 5 PPM	ACGIH CEILING 5 PPM	0.026 PPM	0.3	10	MOD EPA TO-11	Aldehyde	Butanal			
Butyraldehyde	123-72-8	J5-119	Tube, Silica Gel-DNPH Tube	0.10 L/min	OSHA 5 PPM	ACGIH CEILING 5 PPM	0.021 PPM	3	30	MOD EPA TO-11	Aldehyde	Butanal			
Butyraldehyde	123-72-8	580AT	580AT Badge	67.4	OSHA 5 PPM	ACGIH CEILING 5 PPM	0.0031 PPM	0.3	10	MOD EPA TO-11	Aldehyde	Butanal		The 580 badge has been replaced by the 581 badge. The 580 information will be available until the last 580 lot expires.	
Butyraldehyde	123-72-8	581AT	581AT Badge	70.8	OSHA 5 PPM	ACGIH CEILING 5 PPM	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 125	ICP			J8109K: J5-025 + J8054 (Ghost wipe with Vial). Ghost wipes are pre-moistened with DI water. Additional DI water is not necessary	
Cadmium	7440-43-9	J5-024 SMR TAB	Smear Tab					0.05	6	MOD OSHA ID 125	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 125	ICP			
Calcium	7440-70-2	J5-024 SMR TAB	Smear Tab					10	6	MOD OSHA ID 125	ICP			J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.	
Calcium	7440-70-2	J537MCE208	Cassette, MCE Cassette	2.0 L/min			0.0021 MG/M3	2	1000	6	MOD OSHA ID 125	ICP			
Camphor	76-22-2	521AT	521AT Badge	45.4			0.004 PPM	0.6	6	AT-L-0V (GC/FID)	OV List B				
Camphor	76-22-2	546AT	546AT Badge	1.61			0.33 PPM	0.6	6	AT-L-0V (GC/FID)	OV List B				
Camphor	76-22-2	566AT	566AT Badge	6.43			0.031 PPM	0.6	6	AT-L-0V (GC/FID)	OV List B				
Camphor #	76-22-2	525AT #	525AT Badge	47.7			0.0042 PPM	0.6	6	AT-L-0V (GC/FID)	OV List B				
Carbon Black	1333-86-4	J537PVCWZ50	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	521AT	521AT Badge	65.6	OSHA 10 PPM	OSHA CEILING 25 PPM	0.025 PPM	5	6	AT-L-0V (GC/FID)	OV List A		Tetrachloromethane		
Carbon Tetrachloride	56-23-5	546AT	546AT Badge	1.85	OSHA 10 PPM	OSHA CEILING 25 PPM	0.90 PPM	5	6	AT-L-0V (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	AT-L-0V (GC/FID)	OV List A		Tetrachloromethane		
Carbon Tetrachloride	56-23-5	J5-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 10 PPM	OSHA CEILING 25 PPM	0.017 PPM	5	10	6	AT-L-0V (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	AT-L-0V (GC/FID)	OV List A		Tetrachloromethane		
Chlorine	7782-50-5	J5-9006	Cassette, PTFE Ag membrane	1.0 L/min	ACGIH 0.5 PPM	OSHA CEILING 1 PPM	0.014 PPM	2	360	6	MOD NIOSH 6011	Halogen			
Chlorobenzene	108-90-7	546AT	546AT Badge	2.16	OSHA 75 PPM		0.33 PPM	0.6	6	AT-L-0V (GC/FID)	OV List A				
Chlorobenzene #	108-90-7	566AT #	566AT Badge	8.64	OSHA 75 PPM		0.031 PPM	0.6	6	AT-L-0V (GC/FID)	OV List A				
Chlorobenzene	108-90-7	J5-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 75 PPM		0.0027 PPM	0.6	10	6	AT-L-0V (GC/FID)	OV List A			
Chlorobenzene	108-90-7	521AT	521AT Badge	59.2	OSHA 75 PPM		0.0046 PPM	0.6	6	AT-L-0V (GC/FID)	OV List A				
Chlorobenzene	108-90-7	525AT	525AT Badge	62.2	OSHA 75 PPM		0.0044 PPM	0.6	6	AT-L-0V (GC/FID)	OV List A				
Chloroform	67-66-3	521AT	521AT Badge	70.4	ACGIH 10 PPM	OSHA CEILING 50 PPM	0.018 PPM	3	6	AT-L-0V (GC/FID)	OV List A		Trichloromethane	This Chemical is on the Organic Solvent Panel. OSP	
Chloroform	67-66-3	546AT	546AT Badge	2.10	ACGIH 10 PPM	OSHA CEILING 50 PPM	0.61 PPM	3	6	AT-L-0V (GC/FID)	OV List A		Trichloromethane		
Chloroform	67-66-3	566AT	566AT Badge	8.39	ACGIH 10 PPM	OSHA CEILING 50 PPM	0.15 PPM	3	6	AT-L-0V (GC/FID)	OV List A		Trichloromethane		
Chloroform	67-66-3	J5-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	ACGIH 10 PPM	OSHA CEILING 50 PPM	0.013 PPM	3	10	6	AT-L-0V (GC/FID)	OV List A		Trichloromethane	
Chloroform #	67-66-3	525AT #	525AT Badge	73.9	ACGIH 10 PPM	OSHA CEILING 50 PPM	0.017 PPM								

Assay Technology Inc - Sampling Guide

All 521 and 580 badges have been replaced by the TraceAir II badges 525 and 581. Until the last lots of 521 and 525 have expired, they will be listed here.
 Many of the NIOSH/OSHA methods have been modified. For a list of significant modifications, go to www.assaytech.com. Information in this table can change without notice.

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
Cobalt	7440-48-4	J57MCE208	Cassette, MCE Cassette	2.0 L/min	OSHA 0.1 MG/M3		0.00052 MG/M3	0.05	1000	6	MOD OSHA ID 125	ICP		
Copper	7440-50-8	J5-024 SMR TAB	Smear Tab					5		6	MOD OSHA ID 125	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.
Copper	7440-50-8	J57MCE208	Cassette, MCE Cassette	2.0 L/min	OSHA 0.1 MG/M3		0.00052 MG/M3	0.5	1000	6	MOD OSHA ID 125	ICP		
Cresol, Total	1319-77-3	J6-095	Tube, XAD-7 50-1100mg Tube	0.10 L/min			0.0047 PPM	1	24	10	MOD OSHA 32	Phenol		
Cresol, Total	1319-77-3	521AT	521AT Badge	58.7			0.040 PPM	5	10	10	MOD OSHA 32	Phenol		
Cresol, Total #	1319-77-3	525AT #	525AT Badge	61.6			0.038 PPM	5	10	10	MOD OSHA 32	Phenol		
Crotonaldehyde #	4170-30-3	571AT #	571AT Badge	8.59	OSHA 2 PPM	ACGIH CEILING 0.3 PPM	0.0042 PPM	0.05	10	10	MOD EPA TO-11	Aldehyde		
Crotonaldehyde	4170-30-3	580AT	580AT Badge	68.1	OSHA 2 PPM	ACGIH CEILING 0.3 PPM	0.0053 PPM	0.05	10	10	MOD EPA TO-11	Aldehyde		The 580 badge has been replaced by the 581 badge. The 580 Information will be available until the last 580 lot expires.
Crotonaldehyde	4170-30-3	581AT	581AT Badge	71.5	OSHA 2 PPM	ACGIH CEILING 0.3 PPM	0.00051 PPM	0.05	10	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			0.00031 PPM	0.5	10	6	AT L-OV (GC/FID)	OV List A		
Cumene	98-82-8	521AT	521AT Badge	52.0			0.0041 PPM	0.5	6	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	595AT #	595AT Badge	12.5	ACGIH 0.2 PPM		0.0098 PPM	0.3	10	10	MOD OSHA 55			Badges must be shipped on ice and arrive at the lab within 3 days of sampling. Please contact customer service to assure the lab is ready for them and can extract them before they expire.
Cyclohexane	110-82-7	521AT	521AT Badge	57.0	OSHA 300 PPM		0.0064 PPM	0.6	6	6	AT L-OV (GC/FID)	OV List A		
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		
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		
Cyclohexane	110-82-7	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min			0.0036 PPM	0.6	10	6	AT L-OV (GC/FID)	OV List A		
Cyclohexane	110-82-7	525AT	525AT Badge	59.9			0.0061 PPM	0.6	6	6	AT L-OV (GC/FID)	OV List A		
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	521AT	521AT Badge	54.0	OSHA 50 PPM		0.0066 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		0.0083 PPM	0.7	6	6	AT L-OV (GC/FID)	OV List A		
Cyclohexanone	108-94-1	521AT	521AT Badge	63.6	OSHA 50 PPM	ACGIH CEILING 50 PPM	0.0049 PPM	0.6	6	6	AT L-OV (GC/FID)	OV List A		This Chemical is on the Organic Solvent Panel. OSP
Cyclohexanone	108-94-1	546AT	546AT Badge	2.34	OSHA 50 PPM	ACGIH CEILING 50 PPM	0.13 PPM	0.6	6	6	AT L-OV (GC/FID)	OV List A		
Cyclohexanone #	108-94-1	566AT #	566AT Badge	9.37	OSHA 50 PPM	ACGIH CEILING 50 PPM	0.033 PPM	0.6	6	6	AT L-OV (GC/FID)	OV List A		
Cyclohexanone	108-94-1	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min			0.0031 PPM	0.6	10	6	AT L-OV (GC/FID)	OV List A		
Cyclohexanone	108-94-1	525AT	525AT Badge	66.8	OSHA 50 PPM	ACGIH CEILING 50 PPM	0.0047 PPM	0.6	6	6	AT L-OV (GC/FID)	OV List A		This Chemical is on the Organic Solvent Panel. OSP
Cyclohexylamine #	108-91-8	585AT #	585AT Badge	7.41	ACGIH 10 PPM		0.035 PPM	0.5	10	10	MOD OSHA 60	Amine		
Desflurane #	57041-67-5	571AT #	571AT Badge	8.56			0.11 PPM	3		6	MOD OSHA 103	Anesthetic Gas	Suprane	
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	8.50	OSHA 50 PPM		0.052 PPM	1	6	6	AT L-OV (GC/FID)	OV List A		
1,5-Diaminopentane	462-94-2	585AT	585AT Badge	7.30			0.068 PPM	1	10	10	MOD OSHA 60	Amine		
1,3-Diaminopropane	109-76-2	585AT	585AT Badge	8.60			0.080 PPM	1	10	10	MOD OSHA 60	Amine		
1,2-Dibromoethane	106-93-4	521AT	521AT Badge	67.8			0.012 PPM	3	6	6	AT L-OV (GC/FID)	OV List A	Ethylene Dibromide	
1,2-Dibromoethane #	106-93-4	566AT #	566AT Badge	6.87			0.13 PPM	3	6	6	AT L-OV (GC/FID)	OV List A	Ethylene Dibromide	
1,2-Dibromoethane	106-93-4	546AT	546AT Badge	1.67			0.49 PPM	3	6	6	AT L-OV (GC/FID)	OV List A	Ethylene Dibromide	
1,2-Dibromoethane	106-93-4	525AT	525AT Badge	71.2			0.011 PPM	3	6	6	AT L-OV (GC/FID)	OV List A	Ethylene Dibromide	
1,2-Dichlorobenzene #	95-50-1	566AT #	566AT Badge	6.78	OSHA 50 PPM	ACGIH STEL 50 PPM	0.051 PPM	1	6	6	AT L-OV (GC/FID)	OV List B		
1,2-Dichlorobenzene	95-50-1	546AT	546AT Badge	1.89	OSHA 50 PPM	ACGIH STEL 50 PPM	0.18 PPM	1	6	6	AT L-OV (GC/FID)	OV List B		
1,2-Dichlorobenzene	95-50-1	521AT	521AT Badge	53.8	OSHA 50 PPM	ACGIH STEL 50 PPM	0.0084 PPM	1	6	6	AT L-OV (GC/FID)	OV List A		
1,2-Dichlorobenzene	95-50-1	525AT	525AT Badge	56.5	OSHA 50 PPM	ACGIH STEL 50 PPM	0.0061 PPM	1	6	6	AT L-OV (GC/FID)	OV List B		
1,4-Dichlorobenzene #	106-46-7	566AT #	566AT Badge	6.78	OSHA 75 PPM		0.051 PPM	1	6	6	AT L-OV (GC/FID)	OV List B	p-Dichlorobenzene	
1,4-Dichlorobenzene	106-46-7	546AT	546AT Badge	1.89	OSHA 75 PPM		0.18 PPM	1	6	6	AT L-OV (GC/FID)	OV List B	p-Dichlorobenzene	
1,4-Dichlorobenzene	106-46-7	521AT	521AT Badge	53.8	OSHA 75 PPM		0.0064 PPM	1	6	6	AT L-OV (GC/FID)	OV List B	p-Dichlorobenzene	
1,4-Dichlorobenzene	106-46-7	525AT	525AT Badge	56.5	OSHA 75 PPM		0.0061 PPM	1	6	6	AT L-OV (GC/FID)	OV List A	p-Dichlorobenzene	
1,1-Dichloroethane	75-34-3	521AT	521AT Badge	72.8	OSHA 100 PPM		0.014 PPM	2	6	6	AT L-OV (GC/FID)	OV List A		
1,1-Dichloroethane	75-34-3	546AT	546AT Badge	2.30	OSHA 100 PPM		0.45 PPM	2	6	6	AT L-OV (GC/FID)	OV List A		
1,1-Dichloroethane	75-34-3	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min			0.010 PPM	2	10	6	AT L-OV (GC/FID)	OV List A		
1,1-Dichloroethane #	75-34-3	566AT #	566AT Badge	9.22	OSHA 100 PPM		0.11 PPM	2	6	6	AT L-OV (GC/FID)	OV List A		
1,1-Dichloroethane	75-34-3	525AT	525AT Badge	76.4	OSHA 100 PPM		0.011 PPM	2	6	6	AT L-OV (GC/FID)	OV List A		
1,2-Dichloroethane	107-06-2	521AT	521AT Badge	60.5	OSHA 50 PPM	OSHA CEILING 100 PPM	0.017 PPM	2	6	6	AT L-OV (GC/FID)	OV List A	EDC	
1,2-Dichloroethane	107-06-2	546AT	546AT Badge	2.31	OSHA 50 PPM	OSHA CEILING 100 PPM	0.45 PPM	2	6	6	AT L-OV (GC/FID)	OV List A	EDC	
1,2-Dichloroethane #	107-06-2	566AT #	566AT Badge	9.22	OSHA 50 PPM	OSHA CEILING 100 PPM	0.11 PPM	2	6	6	AT L-OV (GC/FID)	OV List A	EDC	
1,2-Dichloroethane	107-06-2	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min			0.010 PPM	2	10	6	AT L-OV (GC/FID)	OV List A	EDC	
1,2-Dichloroethane	107-06-2	525AT	525AT Badge	63.5	OSHA 50 PPM	OSHA CEILING 100 PPM	0.016 PPM	2	6	6	AT L-OV (GC/FID)	OV List A	EDC	
1,2-Dichloroethylene	540-59-0	521AT	521AT Badge	72.2	OSHA 200 PPM		0.015 PPM	2	6	6	AT L-OV (GC/FID)	OV List A	1,2-DCE, 1,2-Dichloroethene	
1,2-Dichloroethylene #	540-59-0	546AT #	546AT Badge	2.33	OSHA 200 PPM		0.45 PPM	2	6	6	AT L-OV (GC/FID)	OV List A	1,2-DCE, 1,2-Dichloroethene	
1,2-Dichloroethylene	540-59-0	566AT	566AT Badge	9.32	OSHA 200 PPM		0.11 PPM	2	6	6	AT L-OV (GC/FID)	OV List A	1,2-DCE, 1,2-Dichloroethene	
1,2-Dichloroethylene	540-59-0	525AT	525AT Badge	75.8	OSHA 200 PPM		0.014 PPM	2	6	6	AT L-OV (GC/FID)	OV List A	1,2-DCE, 1,2-Dichloroethene	
1,2-Dichloropropane	78-87-5	521AT	521AT Badge	57.9			0.016 PPM	2	6	6	AT L-OV (GC/FID)	OV List A		
1,2-Dichloropropane #	78-87-5	566AT #	566AT Badge	51.1			0.11 PPM	2	6	6	AT L-OV (GC/FID)	OV List A	Propylene Dichloride	
1,2-Dichloropropane	78-87-5	525AT	525AT Badge	60.8			0.015 PPM	2	6	6	AT L-OV (GC/FID)	OV List A	Propylene Dichloride	
Dicyclopentadiene	77-73-6	521AT	521AT Badge	55.0	ACGIH 5 PPM		0.014 PPM	2	6	6	AT L-OV (GC/FID)	OV List B		
Dicyclopentadiene	77-73-6	546AT	546AT Badge	1.99	ACGIH 5 PPM		0.39 PPM	2	6	6	AT L-OV (GC/FID)	OV List B		
Dicyclopentadiene	77-73-6	566AT	566AT Badge	7.97	ACGIH 5 PPM		0.097 PPM	2	6	6	AT L-OV (GC/FID)	OV List B		
Dicyclopentadiene #	77-73-6	525AT #	525AT Badge	57.8	ACGIH 5 PPM		0.013 PPM	2	6	6	AT L-OV (GC/FID)	OV List B		
Diethanolamine #	111-42-2	585AT #	585AT Badge	7.19	ACGIH 0.2 PPM		0.067 PPM	1	10	10	MOD OSHA 60	Amine		
Diethyl Ketone	96-22-0	521AT	521AT Badge	63.4	ACGIH 200 PPM	ACGIH STEL 300 PPM	0.028 PPM	3	6	6	AT L-OV (GC/FID)	OV List A	3-Pentanone	
Diethyl Ketone	96-22-0	546AT	546AT Badge	2.37	ACGIH 200 PPM	ACGIH STEL 300 PPM	0.75 PPM	3	6	6	AT L-OV (GC/FID)	OV List A	3-Pentanone	
Diethyl Ketone #	96-22-0	566AT #	566AT Badge	9.47	ACGIH 200 PPM	ACGIH STEL 300 PPM	0.19 PPM	3	6	6	AT L-OV (GC/FID)	OV List A	3-Pentanone	
Diethyl Ketone	96-22-0	525AT	525AT Badge	66.7	ACGIH 200 PPM	ACGIH STEL 300 PPM	0.027 PPM	3	6	6	AT L-OV (GC/FID)	OV List A	3-Pentanone	
Diethylamine #	109-89-7	585AT #	585AT Badge	8.67	OSHA 25 PPM	ACGIH CEILING 15 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			0.033 PPM	10	10	6	AT L-OV (GC/FID)	OV List A	Butyl Carbitol	

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All S21 and S80 badges have been replaced by the TraceAir II badges S25 and S81. Until the last lots of S21 and S25 have expired, they will be listed here.
 Many of the NIOSH/OSHA methods have been modified. For a list of significant modifications, go to www.assaytech.com.
 Information in this table can change without notice.

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
1,4-Dioxane	123-91-1	566AT	566AT Badge	9.17	OSHA 100 PPM	NIOSH CEILING 1 PPM	0.12 PPM	2		6	AT-LOV (GC/FID)	OV List A		
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-LOV (GC/FID)	OV List A		
1,4-Dioxane #	123-91-1	525AT #	525AT Badge	60.1	OSHA 100 PPM	NIOSH CEILING 1 PPM	0.019 PPM	2		6	AT-LOV (GC/FID)	OV List A		
1,3-Dioxolane	646-06-0	566AT	566AT Badge	10.2	ACGIH 20 PPM		0.067 PPM	1		6	AT-LOV (GC/FID)	OV List A		
1,3-Dioxolane	646-06-0	546AT	546AT Badge	2.60	ACGIH 20 PPM		0.26 PPM	1		6	AT-LOV (GC/FID)	OV List A		
Dipropylene Glycol Methylene	34590-94-8	521AT	521AT Badge	53.1	OSHA 100 PPM	ACGIH STEL 150 PPM	0.11 PPM	17		6	AT-LOV (GC/FID)	OV List B		
Dipropylene Glycol Methylene	34590-94-8	546AT	546AT Badge	1.88	OSHA 100 PPM	ACGIH STEL 150 PPM	3.1 PPM	17		6	AT-LOV (GC/FID)	OV List A		
Dipropylene Glycol Methylene #	34590-94-8	566AT #	566AT Badge	7.52	OSHA 100 PPM	ACGIH STEL 150 PPM	0.78 PPM	17		6	AT-LOV (GC/FID)	OV List B		
Dipropylene Glycol Methylene	34590-94-8	525AT	525AT Badge	55.8	OSHA 100 PPM	ACGIH STEL 150 PPM	0.10 PPM	17		6	AT-LOV (GC/FID)	OV List B		
Dust, Alkaline	1318-93-0	J537PP210	Cassette, PTFE Cassette	2.0 L/min					1000	10	MOD NIOSH 7401	Subcontract		This analysis will be subcontracted to another laboratory. Contact Customer Service.
Dust, Respirable	1318-93-0	J537PVCW350	Cassette, PVC Pre-wt Cassette	2.5 L/min	OSHA 5 MG/M3		0.017 MG/M3	20	400	6	MOD NIOSH 600	Gravimetric		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.
Dust, Total	1318-93-0	J537PVCWZ50	Cassette, PVC Pre-wt Cassette		OSHA 15 MG/M3			20		6	MOD NIOSH 500	Gravimetric		
Enflurane #	13838-16-9	571AT #	571AT Badge	8.15	ACGIH 75 PPM		0.10 PPM	3		6	MOD OSHA 103	Anesthetic Gas	Ethane	
Enflurane	13838-16-9	J6-001	Tube, Charcoal 50-100mg Tube	0.050 L/min	ACGIH 75 PPM		0.017 PPM	3	12	6	MOD OSHA 103	Anesthetic Gas	Ethane	
Epichlorohydrin	106-89-8	521AT	521AT Badge	61.9	OSHA 5 PPM		0.011 PPM	1.2		6	AT-LOV (GC/FID)	OV List A		
Epichlorohydrin	106-89-8	546AT	546AT Badge	2.39	OSHA 5 PPM		0.28 PPM	1.2		6	AT-LOV (GC/FID)	OV List A		
Epichlorohydrin	106-89-8	566AT	566AT Badge	9.54	OSHA 5 PPM		0.069 PPM	1.2		6	AT-LOV (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-LOV (GC/FID)	OV List A		
Epichlorohydrin #	106-89-8	525AT #	525AT Badge	65.0	OSHA 5 PPM		0.010 PPM	1.2		6	AT-LOV (GC/FID)	OV List A		
Ethanolamine #	141-43-5	585AT #	585AT Badge	7.70	OSHA 3 PPM	ACGIH STEL 6 PPM	0.032 PPM	0.3		10	MOD OSHA 60	Amine		
2-Ethoxyethanol	110-80-5	521AT	521AT Badge	62.4	OSHA 200 PPM		0.018 PPM	2		6	AT-LOV (GC/FID)	OV List A	Cellosolve	
2-Ethoxyethanol	110-80-5	546AT	546AT Badge	2.42	OSHA 200 PPM		0.47 PPM	2		6	AT-LOV (GC/FID)	OV List A	Cellosolve	
2-Ethoxyethanol #	110-80-5	566AT #	566AT Badge	9.66	OSHA 200 PPM		0.12 PPM	2		6	AT-LOV (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-LOV (GC/FID)	OV List A	Cellosolve	
2-Ethoxyethanol	110-80-5	525AT	525AT Badge	65.5	OSHA 200 PPM		0.017 PPM	2		6	AT-LOV (GC/FID)	OV List A	Cellosolve	
Ethyl Acetate	141-78-6	521AT	521AT Badge	68.2	OSHA 400 PPM		0.017 PPM	2		6	AT-LOV (GC/FID)	OV List A		This Chemical is on the Organic Solvent Panel. OSP
Ethyl Acetate #	141-78-6	546AT #	546AT Badge	2.25	OSHA 400 PPM		0.52 PPM	2		6	AT-LOV (GC/FID)	OV List A		
Ethyl Acetate	141-78-6	566AT	566AT Badge	8.98	OSHA 400 PPM		0.13 PPM	2		6	AT-LOV (GC/FID)	OV List A		
Ethyl Acetate	141-78-6	J6-001	Tube, Charcoal 50-100mg Tube	0.12 L/min	OSHA 400 PPM		0.012 PPM	2	10	6	AT-LOV (GC/FID)	OV List A		
Ethyl Acetate	141-78-6	525AT	525AT Badge	71.6	OSHA 400 PPM		0.016 PPM	2		6	AT-LOV (GC/FID)	OV List A		This Chemical is on the Organic Solvent Panel. OSP
Ethyl Acrylate	140-88-5	521AT	521AT Badge	58.8	OSHA 25 PPM	ACGIH STEL 15 PPM	0.0078 PPM	0.9		6	AT-LOV (GC/FID)	OV List A		
Ethyl Acrylate	140-88-5	546AT	546AT Badge	2.39	OSHA 25 PPM	ACGIH STEL 15 PPM	0.20 PPM	0.9		6	AT-LOV (GC/FID)	OV List A		
Ethyl Acrylate	140-88-5	566AT	566AT Badge	9.16	OSHA 25 PPM	ACGIH STEL 15 PPM	0.050 PPM	0.9		6	AT-LOV (GC/FID)	OV List A		
Ethyl Acrylate #	140-88-5	525AT #	525AT Badge	61.7	OSHA 25 PPM	ACGIH STEL 15 PPM	0.0074 PPM	0.9		6	AT-LOV (GC/FID)	OV List A		
Ethyl Alcohol	64-17-5	521AT	521AT Badge	79.4	OSHA 1000 PPM	ACGIH STEL 1000 PPM	0.14 PPM	10		6	AT-LOV (GC/FID)	OV List A	Ethanol	This Chemical is on the Organic Solvent Panel. OSP
Ethyl Alcohol #	64-17-5	546AT #	546AT Badge	3.39	OSHA 1000 PPM	ACGIH STEL 1000 PPM	3.3 PPM	10		6	AT-LOV (GC/FID)	OV List A	Ethanol	
Ethyl Alcohol	64-17-5	566AT	566AT Badge	13.5	OSHA 1000 PPM	ACGIH STEL 1000 PPM	0.82 PPM	10		6	AT-LOV (GC/FID)	OV List A	Ethanol	
Ethyl Alcohol	64-17-5	J6-009	Tube, Charcoal 200-1400mg Tube	0.10 L/min	OSHA 1000 PPM	ACGIH STEL 1000 PPM	0.11 PPM	10	10	6	AT-LOV (GC/FID)	OV List A	Ethanol	
Ethyl Alcohol	64-17-5	525AT	525AT Badge	83.4	OSHA 1000 PPM	ACGIH STEL 1000 PPM	0.13 PPM	10		6	AT-LOV (GC/FID)	OV List A	Ethanol	This Chemical is on the Organic Solvent Panel. OSP
Ethyl Ether	60-29-7	546AT #	546AT Badge	2.82	OSHA 400 PPM	ACGIH STEL 500 PPM	0.73 PPM	3		6	AT-LOV (GC/FID)	OV List A	Diethyl Ether	
Ethyl Ether	60-29-7	566AT	566AT Badge	11.3	OSHA 400 PPM	ACGIH STEL 500 PPM	0.18 PPM	3		6	AT-LOV (GC/FID)	OV List A	Diethyl Ether	
Ethyl Ether	60-29-7	521AT	521AT Badge	72.8	OSHA 400 PPM	ACGIH STEL 500 PPM	0.028 PPM	3		6	AT-LOV (GC/FID)	OV List A	Diethyl Ether	
Ethyl Ether	60-29-7	J6-009	Tube, Charcoal 200-1400mg Tube	0.10 L/min	OSHA 400 PPM	ACGIH STEL 500 PPM	0.021 PPM	3	10	6	AT-LOV (GC/FID)	OV List A	Diethyl Ether	
Ethyl Ether	60-29-7	525AT	525AT Badge	76.4	OSHA 400 PPM	ACGIH STEL 500 PPM	0.027 PPM	3		6	AT-LOV (GC/FID)	OV List A	Diethyl Ether	
Ethyl Methacrylate #	97-63-2	566AT #	566AT Badge	8.41	OSHA 1 PPM		0.053 PPM	1		6	AT-LOV (GC/FID)	OV List A		
Ethyl Methacrylate	97-63-2	521AT	521AT Badge	55.1	OSHA 1 PPM		0.0081 PPM	1		6	AT-LOV (GC/FID)	OV List A		
Ethyl Methacrylate	97-63-2	546AT	546AT Badge	2.10	OSHA 1 PPM		0.21 PPM	1		6	AT-LOV (GC/FID)	OV List A		
Ethyl Methacrylate	97-63-2	525AT	525AT Badge	57.9	OSHA 1 PPM		0.0077 PPM	1		6	AT-LOV (GC/FID)	OV List A		
Ethylamine #	75-04-7	585AT #	585AT Badge	11.1	OSHA 10 PPM	ACGIH STEL 15 PPM	0.031 PPM	0.3		10	MOD OSHA 60	Amine		
Ethylbenzene	100-41-4	521AT	521AT Badge	60.6	OSHA 100 PPM	NIOSH 125 PPM	0.0040 PPM	0.5		6	AT-LOV (GC/FID)	OV List A		This Chemical is on the Organic Solvent Panel. OSP
Ethylbenzene	100-41-4	546AT	546AT Badge	2.23	OSHA 100 PPM	NIOSH 125 PPM	0.11 PPM	0.5		6	AT-LOV (GC/FID)	OV List A		
Ethylbenzene #	100-41-4	566AT #	566AT Badge	8.91	OSHA 100 PPM	NIOSH 125 PPM	0.027 PPM	0.5		6	AT-LOV (GC/FID)	OV List A		
Ethylbenzene	100-41-4	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 100 PPM	NIOSH 125 PPM	0.0024 PPM	0.5	10	6	AT-LOV (GC/FID)	OV List A		
Ethylbenzene	100-41-4	525AT	525AT Badge	63.6	OSHA 100 PPM	NIOSH 125 PPM	0.0038 PPM	0.5		6	AT-LOV (GC/FID)	OV List A		This Chemical is on the Organic Solvent Panel. OSP
Ethylene Chlorohydrin	107-07-3	521AT	521AT Badge	64.9	OSHA 5 PPM	ACGIH CEILING 1 PPM	0.014 PPM	1.4		6	AT-LOV (GC/FID)	OV List A		
Ethylene Chlorohydrin	107-07-3	546AT	546AT Badge	2.56	OSHA 5 PPM	ACGIH CEILING 1 PPM	0.35 PPM	1.4		6	AT-LOV (GC/FID)	OV List A		
Ethylene Chlorohydrin	107-07-3	566AT	566AT Badge	10.2	OSHA 5 PPM	ACGIH CEILING 1 PPM	0.087 PPM	1.4		6	AT-LOV (GC/FID)	OV List A		
Ethylene Chlorohydrin #	107-07-3	525AT #	525AT Badge	68.1	OSHA 5 PPM	ACGIH CEILING 1 PPM	0.011 PPM	1.4		6	AT-LOV (GC/FID)	OV List A		
Ethylene Glycol Dimethyl Ether	110-71-4	521AT	521AT Badge	62.4	OSHA 1 PPM		0.0091 PPM	1		6	AT-LOV (GC/FID)	OV List A	Dimethoxyethane, 1,2-Dimethoxyethane	
Ethylene Glycol Dimethyl Ether	110-71-4	546AT	546AT Badge	2.42	OSHA 1 PPM		0.23 PPM	1		6	AT-LOV (GC/FID)	OV List A	Dimethoxyethane, 1,2-Dimethoxyethane	
Ethylene Glycol Dimethyl Ether #	110-71-4	566AT #	566AT Badge	9.66	OSHA 1 PPM		0.058 PPM	1		6	AT-LOV (GC/FID)	OV List A	Dimethoxyethane, 1,2-Dimethoxyethane	
Ethylene Glycol Dimethyl Ether	110-71-4	525AT	525AT Badge	65.5	OSHA 1 PPM		0.0066 PPM	1		6	AT-LOV (GC/FID)	OV List A	Dimethoxyethane, 1,2-Dimethoxyethane	
Ethylene Oxide	75-21-8	J6-0880-78	Tube, ORBO 78 Hbr Treated Tube	0.10 L/min	OSHA 1 PPM	OSHA STEL 5 PPM	0.015 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		
Ethylendiamine #	107-15-3	585AT #	585AT Badge	9.59	OSHA 10 PPM		0.027 PPM	0.3		10	MOD OSHA 60	Amine		
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	For more information about using badges for formaldehyde from Formalin, go to https://www.assaytech.com/product/571-aldehyde-monitor/
Formaldehyde	50-00-0	580AT	580AT Badge	110	OSHA 0.75 PPM	OSHA STEL 2 PPM	0.0015 PPM	0.1		6	MOD OSHA 1007	Aldehyde	Formalin	The S80 badge has been replaced by the S81 badge. For more information about using badges for formaldehyde from Formalin, go to https://www.assaytech.com/product/571-aldehyde-monitor/
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	The S80 badge has been replaced by the S81 badge. For more information about using badges for formaldehyde from Formalin, go to https://www.assaytech.com/product/571-aldehyde-monitor/
Formaldehyde	50-00-0	J6-119	Tube, Silica Gel-DNPH Tube	0.10 L/min	OSHA 0.75 PPM	OSHA STEL 2 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		ACGIH CEILING 0.05 PPM	0.000041 PPM	0.008	24	6	MOD NIOSH 2532	Aldehyde	Cidex	
Glutaraldehyde	111-30-8	571AT	571AT Badge	7.24	OSHA 0.05 PPM	ACGIH CEILING 0.05 PPM	0.00056 PPM	0.008		6	MOD OSHA 64	Aldehyde	Cidex	
Glutaraldehyde	111-30-8	580AT	580AT Badge	60.2	OSHA 0.05 PPM	ACGIH CEILING 0.05 PPM	0.000068 PPM	0.008		6	MOD OSHA 64	Aldehyde	Cidex	
Glutaraldehyde	111-30-8	J6-9003	Cassette, GFF 2-4-DNPH	1.0 L/min		ACGIH CEILING 0.05 PPM	0.000020 PPM	0.004	120	6	MOD OSHA 64	Aldehyde	Cidex	The S80 badge has been replaced by the S81

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- Indicates the badge / chemical combination we recommend.

The S21 and S80 badges have been replaced by the TraceAir II badges S25 and S81. Until the last lots of S21 and S25 have expired, they will be listed here.

All S21 sampling rates are with both covers removed.
Many of the NIOSH/OSHA methods have been modified. For a list of significant modifications, go to www.assaytech.com.
Information in this table can change without notice.

OSP = Organic Solvent Panel. See X525-25AT

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
Hexanal #	66-25-1	571AT #	571AT Badge	6.48			0.24 PPM	3		10	MOD EPA TO-11	Aldehyde	Hexanaldehyde	
Hexanal	66-25-1	580AT	580AT Badge	60.0			0.025 PPM	3		10	MOD EPA TO-11	Aldehyde	Hexanaldehyde	The S80 badge has been replaced by the S81 badge. The S80 information will be available until the last S80 lot expires.
Hexanal	66-25-1	581AT	581AT Badge	63.0			0.024 PPM	3		10	MOD EPA TO-11	Aldehyde	Hexanaldehyde	
N-Hexane	110-54-3	521AT	521AT Badge	58.0	OSHA 500 PPM		0.0061 PPM	0.6	6	6	AT L-OV (GC/FID)	OV List A		This Chemical is on the Organic Solvent Panel. OSP
N-Hexane	110-54-3	546AT	546AT Badge	2.47	OSHA 500 PPM		0.14 PPM	0.6	6	6	AT L-OV (GC/FID)	OV List A		
N-Hexane #	110-54-3	566AT #	566AT Badge	9.88	OSHA 500 PPM		0.036 PPM	0.6	6	6	AT L-OV (GC/FID)	OV List A		
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	6	AT L-OV (GC/FID)	OV List A		This Chemical is on the Organic Solvent Panel. OSP
2-Hexanone #	591-78-6	566AT #	566AT Badge	9.16	OSHA 100 PPM	ACGIH CEILING 10 PPM	0.028 PPM	0.5	6	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	ACGIH CEILING 10 PPM	0.11 PPM	0.5	6	6	AT L-OV (GC/FID)	OV List A	MBK, Methyl Butyl Ketone	
2-Hexanone	591-78-6	521AT	521AT Badge	75.0	OSHA 100 PPM	ACGIH CEILING 10 PPM	0.0034 PPM	0.5	6	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	ACGIH CEILING 10 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	ACGIH CEILING 10 PPM	0.0032 PPM	0.5	6	6	AT L-OV (GC/FID)	OV List A	MBK, Methyl Butyl Ketone	
Hydrobromic Acid	10035-10-6	J6-010-03	Tube, Silica Gel Washed 200-1400mg Tube	0.20 L/min	OSHA 3 PPM	ACGIH CEILING 2 PPM	0.010 PPM	5	100	6	MOD NIOSH 7903	Acid	HBr, Hydrogen Bromide	
Hydrochloric Acid	7647-01-0	J6-010-03	Tube, Silica Gel Washed 200-1400mg Tube	0.20 L/min	OSHA 3 PPM	OSHA CEILING 5 PPM	0.014 PPM	2	100	6	MOD NIOSH 7903	Acid	HCl, Hydrogen Chloride, Muriatic acid	
Hydrofluoric Acid	7664-39-3	J6-010-03	Tube, Silica Gel Washed 200-1400mg Tube	0.20 L/min	OSHA 3 PPM	ACGIH CEILING 2 PPM	0.025 PPM	2	100	6	MOD NIOSH 7903	Acid	HF, Hydrogen Fluoride	
Hydrogen Cyanide	74-90-8	J6-028	Tube, Soda Lime 200-1600mg Tube	0.10 L/min	OSHA 10 PPM	ACGIH CEILING 4.7 PPM	0.020 PPM	2	90	10	MOD NIOSH 6901	Subcontract		This analysis will be subcontracted to another laboratory. Contact Customer Service.
Hydrogen Peroxide #	7722-84-1	587AT #	587AT Badge	137	OSHA 1 PPM		0.020 PPM	1.8	6	6	MOD OSHA V16	Subcontract		The S87 monitors are manufactured and analyzed by Advanced Chemical Sensor, AIHA LAP, LLC 102047. Badges are sent to AT Labs and subcontracted to ACS.
Hydrogen Sulfide	7783-06-4	J6-ORBO-32	Tube, ORBO 32 Charcoal Tube	0.20 L/min	ACGIH 1 PPM	OSHA CEIL 20 PPM	0.064 PPM	8.5	40	6	MOD NIOSH 6013	H2S		Order Kit: J8112K, which includes a cassette (J537P210) that traps any particulate sulfate present which would cause a high bias. Only the J6-ORBO 32 tube is analyzed. Not validated on the S46, S66, S25 nor S21 badges.
Indium	7440-74-6	J5-024 SMR TAB	Smear Tab						0.5	6	MOD OSHA ID 125	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.
Indium	7440-74-6	J537MCE208	Cassette, MCE Cassette	2.0 L/min	ACGIH 0.1 MG/M3		0.00052 MG/M3	0.5	1000	6	MOD OSHA ID 125	ICP		
Iron	7439-89-6	J5-024 SMR TAB	Smear Tab						2	6	MOD OSHA ID 125	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.
Iron	7439-89-6	J537MCE208	Cassette, MCE Cassette	2.0 L/min			0.0021 MG/M3	2	1000	6	MOD OSHA ID 125	ICP		
Iron(III) Oxide	1309-37-1	J5-024 SMR TAB	Smear Tab						3	6	MOD OSHA ID 125	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.
Iron(III) Oxide	1309-37-1	J537MCE208	Cassette, MCE Cassette	2.0 L/min			0.0031 MG/M3	3	1000	6	MOD OSHA ID 125	ICP		
Isoamyl Alcohol #	123-51-3	566AT #	566AT Badge	9.77	OSHA 100 PPM	ACGIH CEILING 125 PPM	0.053 PPM	0.9	6	6	AT L-OV (GC/FID)	OV List A		
Isoamyl Alcohol	123-51-3	546AT	546AT Badge	2.44	OSHA 100 PPM	ACGIH CEILING 125 PPM	0.21 PPM	0.9	6	6	AT L-OV (GC/FID)	OV List A		
Isoamyl Alcohol	123-51-3	521AT	521AT Badge	73.0	OSHA 100 PPM	ACGIH CEILING 125 PPM	0.0071 PPM	0.9	6	6	AT L-OV (GC/FID)	OV List A		
Isoamyl Alcohol	123-51-3	525AT	525AT Badge	76.7	OSHA 100 PPM	ACGIH CEILING 125 PPM	0.0068 PPM	0.9	6	6	AT L-OV (GC/FID)	OV List A		
Isobutyl Acetate	110-19-0	521AT	521AT Badge	60.6	OSHA 150 PPM		0.0072 PPM	1	6	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	6	AT L-OV (GC/FID)	OV List A		
Isobutyl Acetate	110-19-0	566AT	566AT Badge	8.50	OSHA 150 PPM		0.052 PPM	1	6	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	6	AT L-OV (GC/FID)	OV List A		
Isobutyl Alcohol	78-83-1	521AT	521AT Badge	64.0	OSHA 100 PPM		0.0075 PPM	0.7	6	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	6	AT L-OV (GC/FID)	OV List A		
Isobutyl Alcohol #	78-83-1	566AT #	566AT Badge	10.7	OSHA 100 PPM		0.045 PPM	0.7	6	6	AT L-OV (GC/FID)	OV List A		
Isobutyl Alcohol	78-83-1	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 100 PPM		0.0048 PPM	0.7	10	6	AT L-OV (GC/FID)	OV List A		
Isobutyl Alcohol	78-83-1	525AT	525AT Badge	67.2	OSHA 100 PPM		0.0072 PPM	0.7	6	6	AT L-OV (GC/FID)	OV List A		
Isobutane #	26675-467-7	571AT #	571AT Badge	7.87	CAL 2 PPM		0.11 PPM	3	6	6	MOD OSHA 103	Anesthetic Gas	Forane	
Isobutane	26675-467-7	J6-001	Tube, Charcoal 50-100mg Tube	0.050 L/min	CAL 2 PPM		0.011 PPM	3	12	6	MOD OSHA 103	Anesthetic Gas	Forane	
Isochorone	78-59-1	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 25 PPM	ACGIH CEILING 5 PPM	0.0022 PPM	0.6	10	6	AT L-OV (GC/FID)	OV List B		
Isochorone	78-59-1	521AT	521AT Badge	47.6	OSHA 25 PPM	ACGIH CEILING 5 PPM	0.0046 PPM	0.6	6	6	AT L-OV (GC/FID)	OV List B		
Isochorone #	78-59-1	566AT #	566AT Badge	7.80	OSHA 25 PPM	ACGIH CEILING 5 PPM	0.028 PPM	0.6	6	6	AT L-OV (GC/FID)	OV List B		
Isochorone	78-59-1	546AT	546AT Badge	1.95	OSHA 25 PPM	ACGIH CEILING 5 PPM	0.11 PPM	0.6	6	6	AT L-OV (GC/FID)	OV List B		
Isochorone	78-59-1	525AT	525AT Badge	50.0	OSHA 25 PPM	ACGIH CEILING 5 PPM	0.0004 PPM	0.6	6	6	AT L-OV (GC/FID)	OV List B		
Isochorone Diisocyanate	4058-71-9	J5-9002	Cassette, GFF w/ 1, 1PP	1.0 L/min	ACGIH 0.005 PPM	NIOSH STEL 0.02 PPM	0.000046 PPM	0.2	240	10	MOD OSHA 42	Isocyanates	IPDI	Sample openface (See method)
Isopropyl Acetate #	108-21-4	546AT #	546AT Badge	2.27	OSHA 250 PPM	ACGIH CEILING 200 PPM	0.22 PPM	1	6	6	AT L-OV (GC/FID)	OV List A		
Isopropyl Acetate	108-21-4	566AT	566AT Badge	9.08	OSHA 250 PPM	ACGIH CEILING 200 PPM	0.055 PPM	1	6	6	AT L-OV (GC/FID)	OV List A		
Isopropyl Acetate	108-21-4	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 250 PPM	ACGIH CEILING 200 PPM	0.0050 PPM	1	10	6	AT L-OV (GC/FID)	OV List A		
Isopropyl Acetate	108-21-4	521AT	521AT Badge	52.0	OSHA 250 PPM	ACGIH CEILING 200 PPM	0.0095 PPM	1	6	6	AT L-OV (GC/FID)	OV List A		
Isopropyl Acetate	108-21-4	525AT	525AT Badge	54.6	OSHA 250 PPM	ACGIH CEILING 200 PPM	0.0091 PPM	1	6	6	AT L-OV (GC/FID)	OV List A		
Isopropyl Alcohol	67-63-0	521AT	521AT Badge	64.0	OSHA 400 PPM	ACGIH STEL 400 PPM	0.013 PPM	1	6	6	AT L-OV (GC/FID)	OV List A	IPA	This Chemical is on the Organic Solvent Panel. OSP
Isopropyl Alcohol #	67-63-0	546AT #	546AT Badge	2.96	OSHA 400 PPM	ACGIH STEL 400 PPM	0.29 PPM	1	6	6	AT L-OV (GC/FID)	OV List A	IPA	
Isopropyl Alcohol	67-63-0	566AT	566AT Badge	11.8	OSHA 400 PPM	ACGIH STEL 400 PPM	0.072 PPM	1	6	6	AT L-OV (GC/FID)	OV List A	IPA	
Isopropyl Alcohol	67-63-0	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 400 PPM	ACGIH STEL 400 PPM	0.0085 PPM	1	10	6	AT L-OV (GC/FID)	OV List A	IPA	
Isopropyl Alcohol	67-63-0	525AT	525AT Badge	67.2	OSHA 400 PPM	ACGIH STEL 400 PPM	0.013 PPM	1	6	6	AT L-OV (GC/FID)	OV List A	IPA	This Chemical is on the Organic Solvent Panel. OSP
Lead	7439-92-1	J5-024 SMR TAB	Smear Tab						0.5	6	MOD OSHA ID 125	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.
Lead	7439-92-1	J5-025 G WIFE	Ghost Wipe		OSHA 0.05 MG/M3				0.5	6	MOD OSHA ID 125	ICP		J8109K: J5-025 + J8054 (ghost wipe with Vial). Ghost wipes are pre-moistened with DI water. Additional DI water is not necessary.
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 125	ICP		
D-Limonene	5989-27-5	521AT	521AT Badge	45.6			0.016 PPM	2	6	6	AT L-OV (GC/FID)	OV List A		
D-Limonene	5989-27-5	546AT	546AT Badge	1.96			0.38 PPM	2	6	6	AT L-OV (GC/FID)	OV List A		
D-Limonene #	5989-27-5	566AT #	566AT Badge	7.86			0.095 PPM	2	6	6	AT L-OV (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 L-OV (GC/FID)	OV List A		
D-Limonene	5989-27-5	525AT	525AT Badge	57.2			0.013 PPM	2	6	6	AT L-OV (GC/FID)	OV List A		
Magnesium	7439-95-4	J5-024 SMR TAB	Smear Tab						0.5	6	MOD OSHA ID 125	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 125	ICP		
Manganese	7439-96-5	J5-024 SMR TAB	Smear Tab						0.5	6	MOD OSHA ID 125	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.
Manganese	7439-96-5	J537MCE208	Cassette, MCE Cassette	2.0 L/min	ACGIH 0.2 MG/M3	OSHA CEILING 5 MG/M3	0.00052 MG/M3	0.5	1000	6	MOD OSHA ID 125	ICP		
4,4-MDI	101-68-8	J5-9002	Cassette, GFF w/ 1, 1PP	1.0 L/min	ACGIH 0.005 PPM	NIOSH CEILING 0.02 PPM	0.000081 PPM	0.4	240	10	MOD OSHA 47	Isocyanates	Methylene Bisphenyl Isocyanate	Sample openface (See method)
Mercury #	7439-97-6	593AT #	593AT #	14.9	OSHA 0.1 MG/M3	CAL OSHA CEILING 0.1 MG/M3	0.00070 MG/M3	0.005	6	6	AT CVAF	Mercury		
Mercury	7439-97-6	J537MCE208	Cassette, MCE Cassette	2.0 L/min	OSHA 0.1 MG/M3	CAL 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						

Assay Technology Inc - Sampling Guide

- Indicates the badge / chemical combination we recommend.

The 521 and 580 badges have been replaced by the TraceAir II badges 525 and 581. Until the last lots of 521 and 525 have expired, they will be listed here.

All 521 and 580 badges are with both covers removed. Many of the NIOSH/OSHA methods have been modified. For a list of significant modifications, go to www.assaytech.com. Information in this table can change without notice.

OSP = Organic Solvent Panel. See X525-25AT

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
Methamphetamine	537-46-2	J5-025 G WIPE	Ghost Wipe					1		10	HPLC	HPLC		Buy wipe kit, J8109K. Kit contains a ghost wipe, wipe template, return vial, and the analysis cost. The analysis is not part of the lab's ISO 17025 accreditation.
2-Methoxyethanol	109-86-4	521AT	521AT Badge	56.6	OSHA 25 PPM		0.026 PPM	2.2		6	AT-LV (GC/FID)	OV List A	Methyl Cellosolve	
2-Methoxyethanol #	109-86-4	566AT #	566AT Badge	10.5	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	2.63	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	59.4	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	8.00	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	521AT	521AT Badge	57.0	OSHA 25 PPM		0.038 PPM	5		6	AT-LV (GC/FID)	OV List A	Ethylene glycol monomethyl ether acetate	
2-Methoxyethyl Acetate	110-49-6	546AT	546AT Badge	2.00	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	59.9	OSHA 25 PPM		0.036 PPM	5		6	AT-LV (GC/FID)	OV List A	Ethylene glycol monomethyl ether acetate	
Methyl Acrylate #	79-20-9	566AT #	566AT Badge	10.3	OSHA 200 PPM	ACGIH STEL 250 PPM	0.13 PPM	2		6	AT-LV (GC/FID)	OV List A		
Methyl Acrylate	79-20-9	521AT	521AT Badge	66.8	OSHA 200 PPM	ACGIH STEL 250 PPM	0.021 PPM	2		6	AT-LV (GC/FID)	OV List A		
Methyl Acrylate	79-20-9	525AT	525AT Badge	70.1	OSHA 200 PPM	ACGIH STEL 250 PPM	0.020 PPM	2		6	AT-LV (GC/FID)	OV List A		
Methyl Acrylate	96-33-3	521AT	521AT Badge	65.2	OSHA 10 PPM		0.018 PPM	2		6	AT-LV (GC/FID)	OV List A		
Methyl Acrylate	96-33-3	546AT	546AT Badge	2.47	OSHA 10 PPM		0.48 PPM	2		6	AT-LV (GC/FID)	OV List A		
Methyl Acrylate #	96-33-3	566AT #	566AT Badge	9.89	OSHA 10 PPM		0.12 PPM	2		6	AT-LV (GC/FID)	OV List A		
Methyl Acrylate	96-33-3	525AT	525AT Badge	68.5	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	ACGIH STEL 250 PPM	0.048 PPM	3	5	6	MOD NIOSH 2000	Methanol	Methanol	
Methyl Alcohol #	67-56-1	546AT #	546AT Badge	4.06	OSHA 200 PPM	ACGIH STEL 250 PPM	1.2 PPM	3		6	AT-LV (GC/FID)	OV List A	Methanol	Use 566 badge for STEL. Use 546 for PEL. It is not recommended that Methyl Alcohol be collected on the 521/525 badge.
Methyl Alcohol	67-56-1	566AT	566AT Badge	16.2	OSHA 200 PPM	ACGIH STEL 250 PPM	0.29 PPM	3		6	AT-LV (GC/FID)	OV List A	Methanol	Use 566 badge for STEL. Use 546 for PEL. It is not recommended that Methyl Alcohol be collected on the 521/525 badge.
Methyl Alcohol	67-56-1	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 200 PPM	ACGIH STEL 250 PPM	0.048 PPM	3	10	6	AT-LV (GC/FID)	OV List A	Methanol	
Methyl Ethyl Ketone	78-93-3	521AT	521AT Badge	76.6	OSHA 200 PPM		0.0074 PPM	0.8		6	AT-LV (GC/FID)	OV List A		This Chemical is on the Organic Solvent Panel. OSP
Methyl Ethyl Ketone #	78-93-3	546AT #	546AT Badge	2.80	OSHA 200 PPM		0.20 PPM	0.8		6	AT-LV (GC/FID)	OV List A		
Methyl Ethyl Ketone	78-93-3	566AT	566AT Badge	11.2	OSHA 200 PPM		0.050 PPM	0.8		6	AT-LV (GC/FID)	OV List A		
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		
Methyl Ethyl Ketone	78-93-3	525AT	525AT Badge	80.4	OSHA 200 PPM		0.0070 PPM	0.8		6	AT-LV (GC/FID)	OV List A		This Chemical is on the Organic Solvent Panel. OSP
Methyl Ethyl Ketoxime	96-29-7	546AT	546AT Badge	2.31			0.76 PPM	3		6	AT-LV (GC/FID)			Analysis only compatible with DMSO. Analyzed in the California Lab.
Methyl Ethyl Ketoxime #	96-29-7	566AT #	566AT Badge	9.23			0.19 PPM	3		6	AT-LV (GC/FID)			Analysis only compatible with DMSO. Analyzed in the California Lab.
Methyl Ethyl Ketoxime	96-29-7	521AT	521AT Badge	63.1			0.028 PPM	3		6	AT-LV (GC/FID)			Analysis only compatible with DMSO. Analyzed in the California Lab.
Methyl Ethyl Ketoxime	96-29-7	525AT	525AT Badge	66.3			0.026 PPM	3		6	AT-LV (GC/FID)			Analysis only compatible with DMSO. Analyzed in the California Lab.
Methyl Isoamyl Ketone #	110-12-3	566AT #	566AT Badge	8.58	OSHA 100 PPM		0.052 PPM	1		6	AT-LV (GC/FID)	OV List A		
Methyl Isoamyl Ketone	110-12-3	546AT	546AT Badge	2.14	OSHA 100 PPM		0.21 PPM	1		6	AT-LV (GC/FID)	OV List A		
Methyl Isoamyl Ketone	110-12-3	521AT	521AT Badge	57.7	OSHA 100 PPM		0.0077 PPM	1		6	AT-LV (GC/FID)	OV List A		
Methyl Isoamyl Ketone	110-12-3	525AT	525AT Badge	60.6	OSHA 100 PPM		0.0074 PPM	1		6	AT-LV (GC/FID)	OV List A		
Methyl Isobutyl Carbinol #	108-11-2	566AT #	566AT Badge	9.08	OSHA 25 PPM	ACGIH CEILING 40 PPM	0.055 PPM	1		6	AT-LV (GC/FID)	OV List A		
Methyl Isobutyl Carbinol	108-11-2	521AT	521AT Badge	52.6	OSHA 25 PPM	ACGIH CEILING 40 PPM	0.0095 PPM	1		6	AT-LV (GC/FID)	OV List A		
Methyl Isobutyl Carbinol	108-11-2	546AT	546AT Badge	2.27	OSHA 25 PPM	ACGIH CEILING 40 PPM	0.22 PPM	1		6	AT-LV (GC/FID)	OV List A		
Methyl Isobutyl Carbinol	108-11-2	525AT	525AT Badge	55.2	OSHA 25 PPM	ACGIH CEILING 40 PPM	0.0090 PPM	1		6	AT-LV (GC/FID)	OV List A		
Methyl Isobutyl Ketone	108-10-1	521AT	521AT Badge	63.0	OSHA 100 PPM	ACGIH CEILING 75 PPM	0.0057 PPM	0.7		6	AT-LV (GC/FID)	OV List A	Hexone	This Chemical is on the Organic Solvent Panel. OSP
Methyl Isobutyl Ketone	108-10-1	546AT	546AT Badge	2.29	OSHA 100 PPM	ACGIH CEILING 75 PPM	0.16 PPM	0.7		6	AT-LV (GC/FID)	OV List A	Hexone	
Methyl Isobutyl Ketone #	108-10-1	566AT #	566AT Badge	9.16	OSHA 100 PPM	ACGIH CEILING 75 PPM	0.039 PPM	0.7		6	AT-LV (GC/FID)	OV List A	Hexone	
Methyl Isobutyl Ketone	108-10-1	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 100 PPM	ACGIH CEILING 75 PPM	0.0036 PPM	0.7	10	6	AT-LV (GC/FID)	OV List A	Hexone	
Methyl Isobutyl Ketone	108-10-1	525AT	525AT Badge	66.2	OSHA 100 PPM	ACGIH CEILING 75 PPM	0.0054 PPM	0.7		6	AT-LV (GC/FID)	OV List A	Hexone	This Chemical is on the Organic Solvent Panel. OSP
Methyl Methacrylate	80-62-6	521AT	521AT Badge	60.0	OSHA 100 PPM	ACGIH STEL 100 PPM	0.0085 PPM	1		6	AT-LV (GC/FID)	OV List A		This Chemical is on the Organic Solvent Panel. OSP
Methyl Methacrylate	80-62-6	546AT	546AT Badge	2.29	OSHA 100 PPM	ACGIH STEL 100 PPM	0.22 PPM	1		6	AT-LV (GC/FID)	OV List A		
Methyl Methacrylate #	80-62-6	566AT #	566AT Badge	9.16	OSHA 100 PPM	ACGIH STEL 100 PPM	0.056 PPM	1		6	AT-LV (GC/FID)	OV List A		
Methyl Methacrylate	80-62-6	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 100 PPM	ACGIH STEL 100 PPM	0.0051 PPM	1	10	6	AT-LV (GC/FID)	OV List A		This Chemical is on the Organic Solvent Panel. OSP
Methyl Methacrylate	80-62-6	525AT	525AT Badge	63.0	OSHA 100 PPM	ACGIH STEL 100 PPM	0.0081 PPM	1		6	AT-LV (GC/FID)	OV List A		This Chemical is on the Organic Solvent Panel. OSP
1-Methyl-2-Pyrrolidone	872-50-4	521AT	521AT Badge	60.9	CAL 1 PPM		0.093 PPM	11		6	AT-LV (GC/FID)	OV List B	NMP, N-Methyl-2-Pyrrolidone	
1-Methyl-2-Pyrrolidone	872-50-4	546AT	546AT Badge	2.33	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	9.31	CAL 1 PPM		0.6 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	63.9	CAL 1 PPM		0.088 PPM	11		6	AT-LV (GC/FID)	OV List B	NMP, N-Methyl-2-Pyrrolidone	
Methylamine #	74-89-5	585AT #	585AT Badge	13.4	OSHA 10 PPM	ACGIH STEL 15 PPM	0.024 PPM	0.2		10	MOD OSHA 60	Amine		
Methylcyclohexane #	108-87-2	546AT #	546AT Badge	2.33	OSHA 500 PPM		0.11 PPM	0.5		6	AT-LV (GC/FID)	OV List A		
Methylcyclohexane	108-87-2	566AT	566AT Badge	9.32	OSHA 500 PPM		0.028 PPM	0.5		6	AT-LV (GC/FID)	OV List A		
Methylene Chloride	75-09-2	521AT	521AT Badge	69.2	OSHA 25 PPM	OSHA STEL 125 PPM	0.026 PPM	3		6	AT-LV (GC/FID)	OV List A	Dichloromethane	This Chemical is on the Organic Solvent Panel. OSP
Methylene Chloride	75-09-2	546AT	546AT Badge	2.39	OSHA 25 PPM	OSHA STEL 125 PPM	0.75 PPM	3		6	AT-LV (GC/FID)	OV List A	Dichloromethane	
Methylene Chloride #	75-09-2	566AT #	566AT Badge	9.54	OSHA 25 PPM	OSHA STEL 125 PPM	0.19 PPM	3		6	AT-LV (GC/FID)	OV List A	Dichloromethane	
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	6	AT-LV (GC/FID)	OV List A	Dichloromethane	This Chemical is on the Organic Solvent Panel. OSP
Methylene Chloride	75-09-2	525AT	525AT Badge	72.7	OSHA 25 PPM	OSHA STEL 125 PPM	0.025 PPM	3		6	AT-LV (GC/FID)	OV List A	Dichloromethane	
Molybdenum	7439-98-7	J5-024 SMR TAB	Smear Tab		OSHA 5 MG/M3			0.5		6	MOD OSHA ID 125	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.
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 125	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.
Morpholine #	110-91-8	585AT #	585AT Badge	7.92	OSHA 20 PPM		0.15 PPM	2		10	MOD OSHA 60	Amine		
Naphthalene	91-20-3	521AT	521AT Badge	55.6	OSHA 10 PPM		0.046 PPM	6.5		6	AT-LV (GC/FID)	OV List A		This Chemical is on the Organic Solvent Panel. OSP
Naphthalene	91-20-3	546AT	546AT Badge	2.03	OSHA 10 PPM	NIOSH STEL 15 PPM	1.3 PPM	6.5		6	AT-LV (GC/FID)	OV List A		
Naphthalene	91-20-3	566AT	566AT Badge	8.10	OSHA 10 PPM	NIOSH STEL 15 PPM	0.32 PPM	6.5		6	AT-LV (GC/FID)	OV List A		
Naphthalene	91-20-3	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 10 PPM	NIOSH STEL 15 PPM	0.026 PPM	6.5	10	6	AT-LV (GC/FID)	OV List A		This Chemical is on the Organic Solvent Panel. OSP
Naphthalene #	91-20-3	525AT #	525AT Badge	58.4	OSHA 10 PPM	NIOSH STEL 15 PPM	0.044 PPM	6.5		6	AT-LV (GC/FID)	OV List A		
Nickel	7440-02-0	J5-024 SMR TAB	Smear Tab		OSHA 1 MG/M3			0.5		6	MOD OSHA ID 125	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.
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 125	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.
Nitric Acid	7697-37-2	J6-010-03	Tube, Silica Gel Washed 200-1400mg Tube	0.20 L/min	OSHA 2 PPM	ACGIH STEL 4 PPM	0.020 PPM	5	100	6	MOD NIOSH 7903	Acid	HN03	
Nitrogen Dioxide #	10102-44-0	594AT #	594AT Badge	22.3	ACGIH 0.2 PPM	OSHA CEILING 5 PPM	0.025 PPM	0.5		6	MOD OSHA 182	Nitrogen Dioxide		
Nitrous Oxide #	10024-07-2	375AT #	375AT Badge	0.880	NIOSH 25 PPM		0.53 PPM	0.4		6	AT SOP L575	Nitrous Oxide		

Assay Technology Inc - Sampling Guide

All 521 sampling rates are with both covers removed.
Many of the NIOSH/OSHA methods have been modified. For a list of significant modifications, go to www.assaytech.com.
Information in this table can change without notice.

OSP = Organic Solvent Panel. See X525-25AT

- Indicates the badge / chemical combination we recommend.

The 521 and 580 badges have been replaced by the TraceAir II badges 525 and 581. Until the last lots of 521 and 525 have expired, they will be listed here.

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
Organic Solvent Panel	P705-25	525AT	525AT Badge								AT L-OV (GC/FID)	OV List Panel		Organic Solvent Panel (OSP) Search "OSP" for list of chemicals. Not recommended for STEL monitoring.
Odors #	10028-15-6	566AT #	566AT Badge	15.2	OSHA 0.1 PPM	NIOSH CEILING 0.1 PPM	0.0070 PPM	0.1		6	MOD OSHA 214	Odors		
1,1,1,3,3-Pentafluoropropane #	460-73-1	549AT #	549AT Badge	0.610			0.52 PPM	1		10	AT L-OV (GC/FID)	OV List A	Freon	Not validated on the 546, 566, 525 nor 521 badges.
Pentane	109-66-0	521AT	521AT Badge	66.6	OSHA 1000 PPM	NIOSH STEL 610 PPM	0.0064 PPM	0.6		6	AT L-OV (GC/FID)	OV List A		
Pentane #	109-66-0	546AT #	546AT Badge	2.70	OSHA 1000 PPM	NIOSH STEL 610 PPM	0.16 PPM	0.6		6	AT L-OV (GC/FID)	OV List A		
Pentane	109-66-0	566AT	566AT Badge	10.8	OSHA 1000 PPM	NIOSH STEL 610 PPM	0.039 PPM	0.6		6	AT L-OV (GC/FID)	OV List A		
Pentane	109-66-0	525AT	525AT Badge	69.9	OSHA 1000 PPM	NIOSH STEL 610 PPM	0.0561 PPM	0.6		6	AT L-OV (GC/FID)	OV List A		
2-Pentanone	107-87-9	546AT #	546AT Badge	2.47	OSHA 200 PPM	ACGIH CEILING 150 PPM	0.17 PPM	0.7		6	AT L-OV (GC/FID)	OV List A	Methyl Propyl Ketone	
2-Pentanone	107-87-9	566AT	566AT Badge	9.89	OSHA 200 PPM	ACGIH CEILING 150 PPM	0.042 PPM	0.7		6	AT L-OV (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	ACGIH CEILING 150 PPM	0.0041 PPM	0.7	10	6	AT L-OV (GC/FID)	OV List A	Methyl Propyl Ketone	
2-Pentanone	107-87-9	525AT	525AT Badge	66.6	OSHA 200 PPM	ACGIH CEILING 150 PPM	0.0052 PPM	0.7		6	AT L-OV (GC/FID)	OV List A	Methyl Propyl Ketone	
Perchloroethylene	127-18-4	521AT	521AT Badge	63.2	OSHA 100 PPM	OSHA CEILING 200 PPM	0.0097 PPM	2		6	AT L-OV (GC/FID)	OV List A	Tetrachloroethylene, PCE	This Chemical is on the Organic Solvent Panel. OSP
Perchloroethylene	127-18-4	546AT	546AT Badge	1.78	OSHA 100 PPM	OSHA CEILING 200 PPM	0.35 PPM	2		6	AT L-OV (GC/FID)	OV List A	Tetrachloroethylene, PCE	
Perchloroethylene #	127-18-4	566AT #	566AT Badge	7.11	OSHA 100 PPM	OSHA CEILING 200 PPM	0.086 PPM	2		6	AT L-OV (GC/FID)	OV List A	Tetrachloroethylene, PCE	
Perchloroethylene	127-18-4	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 100 PPM	OSHA CEILING 200 PPM	0.0061 PPM	2	10	6	AT L-OV (GC/FID)	OV List A	Tetrachloroethylene, PCE	
Perchloroethylene	127-18-4	525AT	525AT Badge	66.4	OSHA 100 PPM	OSHA CEILING 200 PPM	0.0093 PPM	2		6	AT L-OV (GC/FID)	OV List A	Tetrachloroethylene, PCE	This Chemical is on the Organic Solvent Panel. OSP
PGMEA	108-65-6	546AT	546AT Badge	2.00			0.19 PPM	1		6	AT L-OV (GC/FID)	OV List A	Propylene glycol monomethyl ether acetate, 1-Methox	
PGMEA #	108-65-6	566AT #	566AT Badge	7.98			0.048 PPM	1		6	AT L-OV (GC/FID)	OV List A	Propylene glycol monomethyl ether acetate, 1-Methox	
PGMEA	108-65-6	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min			0.0039 PPM	1	10	6	AT L-OV (GC/FID)	OV List A	Propylene glycol monomethyl ether acetate, 1-Methox	
PGMEA	108-65-6	521AT	521AT Badge	55.0			0.0070 PPM	1		6	AT L-OV (GC/FID)	OV List A	Propylene glycol monomethyl ether acetate, 1-Methox	
PGMEA	108-65-6	525AT	525AT Badge	57.8			0.0067 PPM	1		6	AT L-OV (GC/FID)	OV List A	Propylene glycol monomethyl ether acetate, 1-Methox	
pH	A711-49	J5-025 G WIPE	Ghost Wipe					0.1		6	AT		pH	
Phenol	108-95-2	521AT	521AT Badge	61.5	OSHA 5 PPM	NIOSH CEILING 15.6 PPM	0.044 PPM	5		10	MOD OSHA 32	Phenol		Phenol on a 521 badge is sold as a X521-4AT. If Phenol is submitted on a 521-1, there will be an additional fee. Contact our customer service group for more details.
Phenol #	108-95-2	525AT #	525AT Badge	64.6	OSHA 5 PPM	NIOSH CEILING 15.6 PPM	0.042 PPM	5		10	MOD OSHA 32	Phenol		Phenol on a 521 badge is sold as a X525-4AT. If Phenol is submitted on a 525-1, there will be an additional fee. Contact our customer service group for more details.
4-Phenyl Cyclohexene	4994-16-5	521AT	521AT Badge	52.0			0.019 PPM	3		6	AT L-OV (GC/FID)	OV List A	Rug Odor	This Chemical is on the Organic Solvent Panel. OSP
4-Phenyl Cyclohexene #	4994-16-5	546AT #	546AT Badge	1.82			0.53 PPM	3		6	AT L-OV (GC/FID)	OV List A	Rug Odor	
4-Phenyl Cyclohexene	4994-16-5	566AT	566AT Badge	7.28			0.13 PPM	3		6	AT L-OV (GC/FID)	OV List A	Rug Odor	
4-Phenyl Cyclohexene	4994-16-5	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min			0.0097 PPM	3	10	6	AT L-OV (GC/FID)	OV List A	Rug Odor	
4-Phenyl Cyclohexene	4994-16-5	525AT	525AT Badge	54.6			0.018 PPM	3		6	AT L-OV (GC/FID)	OV List A	Rug Odor	This Chemical is on the Organic Solvent Panel. OSP
Phenyl Ether	101-84-8	521AT	521AT Badge	41.6	OSHA 1 PPM	ACGIH CEILING 2 PPM	0.0065 PPM	0.9		6	AT L-OV (GC/FID)	OV List B		
Phenyl Ether	101-84-8	566AT	566AT Badge	6.71	OSHA 1 PPM	ACGIH CEILING 2 PPM	0.040 PPM	0.9		6	AT L-OV (GC/FID)	OV List B		
Phenyl Ether #	101-84-8	525AT #	525AT Badge	43.7	OSHA 1 PPM	ACGIH CEILING 2 PPM	0.0062 PPM	0.9		6	AT L-OV (GC/FID)	OV List B		
Phosphoric Acid	7664-38-2	J6-010-03	Tube, Silica Gel Washed 200-1400mg Tube	0.20 L/min	OSHA 1 MG/M3	ACGIH STEL 3 MG/M3	0.052 MG/M3	5	100	6	MOD NIOSH 7903	Acid	H3P04	
O-Phthalaldehyde	643-79-8	571AT	571AT Badge	6.18	JOHNSON 0.019 MG/M3	J & J 0.148 MG/M3	0.0027 MG/M3	0.008		10	MOD OSHA 64	OPA	Cidex OPA	OPA can not be collected with other aldehydes. The PEL and STEL limits listed are Johnson & Johnson recommendations. The 580 badge has been replaced with the 581. The 580 information will be available until the last 580 lot expires. OPA can not be collected with other aldehydes. The PEL and STEL limits listed are Johnson & Johnson recommendations.
O-Phthalaldehyde	643-79-8	580AT	580AT Badge	54.8	JOHNSON 0.019 MG/M3	J & J 0.148 MG/M3	0.00030 MG/M3	0.008		10	MOD OSHA 64	OPA	Cidex OPA	
O-Phthalaldehyde #	643-79-8	581AT #	581AT Badge	57.5	JOHNSON 0.019 MG/M3	J & J 0.148 MG/M3	0.00029 MG/M3	0.008		10	MOD OSHA 64	OPA	Cidex OPA	
Alpha-Pinene	80-56-8	521AT	521AT Badge	54.5			0.0055 PPM	0.8		6	AT L-OV (GC/FID)	OV List C		
Alpha-Pinene	80-56-8	546AT	546AT Badge	1.96			0.15 PPM	0.8		6	AT L-OV (GC/FID)	OV List C		
Alpha-Pinene #	80-56-8	566AT #	566AT Badge	7.86			0.038 PPM	0.8		6	AT L-OV (GC/FID)	OV List C		
Alpha-Pinene	80-56-8	525AT	525AT Badge	57.2			0.0052 PPM	0.8		6	AT L-OV (GC/FID)	OV List C		
Beta-Pinene	127-91-3	521AT	521AT Badge	54.5			0.0055 PPM	0.8		6	AT L-OV (GC/FID)	OV List C		
Beta-Pinene	127-91-3	546AT	546AT Badge	1.96			0.15 PPM	0.8		6	AT L-OV (GC/FID)	OV List C		
Beta-Pinene #	127-91-3	566AT #	566AT Badge	7.86			0.038 PPM	0.8		6	AT L-OV (GC/FID)	OV List C		
Beta-Pinene	127-91-3	525AT	525AT Badge	57.2			0.0052 PPM	0.8		6	AT L-OV (GC/FID)	OV List C		
Potassium	7440-09-7	J5-024 SMR TAB	Smear Tab					10		6	MOD OSHA ID 125	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	7440-09-7	J537MCE208	Cassette, MCE Cassette	2.0 L/min			0.0026 MG/M3	2.5	1000	6	MOD OSHA ID 125	ICP		
Potassium Hydroxide	1310-58-3	J537MCE208	Cassette, MCE Cassette	2.0 L/min			0.016 MG/M3	15	1000	6	MOD OSHA ID 125	ICP		
1-Propanol	71-23-8	521AT	521AT Badge	78.6	OSHA 200 PPM	NIOSH CEILING 250 PPM	0.017 PPM	1.6		6	AT L-OV (GC/FID)	OV List A	n-Propanol, Propyl Alcohol	
1-Propanol #	71-23-8	546AT #	546AT Badge	2.96	OSHA 200 PPM	NIOSH CEILING 250 PPM	0.46 PPM	1.6		6	AT L-OV (GC/FID)	OV List A	n-Propanol, Propyl Alcohol	
1-Propanol	71-23-8	566AT	566AT Badge	11.8	OSHA 200 PPM	NIOSH CEILING 250 PPM	0.11 PPM	1.6		6	AT L-OV (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	NIOSH CEILING 250 PPM	0.014 PPM	1.6	10	6	AT L-OV (GC/FID)	OV List A	n-Propanol, Propyl Alcohol	
1-Propanol	71-23-8	525AT	525AT Badge	82.5	OSHA 200 PPM	NIOSH CEILING 250 PPM	0.016 PPM	1.6		6	AT L-OV (GC/FID)	OV List A	n-Propanol, Propyl Alcohol	
Propionaldehyde #	123-38-6	571AT #	571AT Badge	9.58	ACGIH 20 PPM		0.0092 PPM	0.1		10	MOD EPA TO-11	Aldehyde		
Propionaldehyde	123-38-6	580AT	580AT Badge	72.9	ACGIH 20 PPM		0.0012 PPM	0.1		10	MOD EPA TO-11	Aldehyde		The 580 badge has been replaced by the 581 badge. The 580 information will be available until the last 580 lot expires.
Propionaldehyde	123-38-6	581AT	581AT Badge	76.5	ACGIH 20 PPM		0.0011 PPM	0.1		10	MOD EPA TO-11	Aldehyde		
Propyl Acetate #	109-60-4	546AT #	546AT Badge	2.27	OSHA 200 PPM	ACGIH CEILING 250 PPM	0.22 PPM	1		6	AT L-OV (GC/FID)	OV List A		
Propyl Acetate	109-60-4	566AT	566AT Badge	9.08	OSHA 200 PPM	ACGIH CEILING 250 PPM	0.055 PPM	1		6	AT L-OV (GC/FID)	OV List A		
Propyl Acetate	109-60-4	521AT	521AT Badge	60.8	OSHA 200 PPM	ACGIH CEILING 250 PPM	0.0082 PPM	1		6	AT L-OV (GC/FID)	OV List A		
Propyl Acetate	109-60-4	525AT	525AT Badge	63.8	OSHA 200 PPM	ACGIH CEILING 250 PPM	0.0075 PPM	1		6	AT L-OV (GC/FID)	OV List A		
N-Propyl Bromide	106-94-5	521AT	521AT Badge	56.3	ACGIH 0.1 PPM		0.015 PPM	2		6	AT L-OV (GC/FID)	OV List A	Propyl Bromide, 1-Bromopropane	
N-Propyl Bromide	106-94-5	546AT	546AT Badge	2.07	ACGIH 0.1 PPM		0.40 PPM	2		6	AT L-OV (GC/FID)	OV List A	Propyl Bromide, 1-Bromopropane	
N-Propyl Bromide	106-94-5	566AT	566AT Badge	8.26	ACGIH 0.1 PPM		0.10 PPM	2		6	AT L-OV (GC/FID)	OV List A	Propyl Bromide, 1-Bromopropane	
N-Propyl Bromide	106-94-5	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	ACGIH 0.1 PPM		0.014 PPM	2		6	AT L-OV (GC/FID)	OV List A	Propyl Bromide, 1-Bromopropane	
N-Propyl Bromide #	106-94-5	525AT #	525AT Badge	59.1	ACGIH 0.1 PPM		0.014 PPM	2		6	AT L-OV (GC/FID)	OV List A	Propyl Bromide, 1-Bromopropane	
Propylene Glycol Methyl Ether	107-98-2	546AT	546AT Badge	2.42	ACGIH 50 PPM	ACGIH CEILING 150 PPM	0.47 PPM	2		6	AT L-OV (GC/FID)	OV List A	1-Methoxy-2-propanol	
Propylene Glycol Methyl Ether #	107-98-2	566AT #	566AT Badge	9.66	ACGIH 50 PPM	ACGIH CEILING 150 PPM	0.12 PPM	2		6	AT L-OV (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	ACGIH 50 PPM	ACGIH CEILING 150 PPM	0.011 PPM	2	10	6	AT L-OV (GC/FID)	OV List A	1-Methoxy-2-propanol	
Propylene Glycol Methyl Ether	107-98-2	521AT	521AT Badge	80.0	ACGIH 50 PPM	ACGIH CEILING 150 PPM	0.019 PPM	2		6	AT L-OV (GC/FID)	OV List A	1-Methoxy-2-propanol	
Propylene Glycol Methyl Ether	107-98-2	525AT	525AT Badge	63.0	ACGIH 50 PPM	ACGIH CEILING 150 PPM	0.019 PPM	2		6	AT L-OV (GC/FID)	OV List A	1-Methoxy-2-propanol	
Propylene Oxide #	75-56-9	546AT #	546AT Badge	3.01	OSHA 100 PPM		0.29 PPM	1		6	AT L-OV (GC/FID)	OV List A		
Propylene Oxide	75-56-9	566AT	566AT Badge	12.1	OSHA 100 PPM		0.073 PPM	1		6	AT L-OV (GC/FID)	OV List A		
Propylene Oxide	75-56-9	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 100 PPM		0.0088 PPM	1	10	6	AT L-OV (GC/FID)	OV List A		
Propylene Oxide	75-56-9	521AT	521AT Badge	72.9	OSHA 100 PPM		0.012 PPM	1		6	AT L-OV (GC/FID			

Assay Technology Inc - Sampling Guide

- Indicates the badge / chemical combination we recommend.

The 521 and 580 badges have been replaced by the TraceAir II badge 525 and 581. Until the last lots of 521 and 525 have expired, they will be listed here.

All 521 sampling rates are with both covers removed. Many of the NIOSH/OSHA methods have been modified. For a list of significant modifications, go to www.assaytech.com. Information in this table can change without notice.

OSP = Organic Solvent Panel. See X525-25AT

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
Crystalline-Silica (XRD) - Total	7631-86-9	J537PVCZ50	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, J537PVCZ50. If dust is not needed, use a J537PVCZ50 cassette. XRD analysis is subcontracted to another laboratory. Please contact our customer service department.
Silver	7440-22-4	J5-024 SMR TAB	Smear Tab					0.5		6	MOD OSHA ID 125	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.
Silver	7440-22-4	J537MCE208	Cassette, MCE Cassette	2.0 L/min			0.00052 MG/M3	0.5	1000	6	MOD OSHA ID 125	ICP		
Sodium	7440-23-5	J5-024 SMR TAB	Smear Tab					10		6	MOD OSHA ID 125	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.
Sodium	7440-23-5	J537MCE208	Cassette, MCE Cassette	2.0 L/min			0.010 MG/M3	10	1000	6	MOD OSHA ID 125	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 and VM & P Naptha are complex mixtures and are charged as a A707-M. If a badge with one chemical prepaid is submitted, there will be an additional fee. Contact our customer service group for details.
Stoddard Solvent	8052-41-3	546AT	546AT Badge	1.76	OSHA 2900 MG/M3	NIOSH CEILING 1800 MG/M3	47 MG/M3	40	6	MOD NIOSH 1550	OV List C	Mineral Spirits		
Stoddard Solvent #	8052-41-3	566AT #	566AT Badge	7.03	OSHA 2900 MG/M3	NIOSH CEILING 1800 MG/M3	12 MG/M3	40	6	MOD NIOSH 1550	OV List C	Mineral Spirits		Stoddard solvent and VM & P Naptha are complex mixtures and are charged as a A707-M. If a badge with one chemical prepaid is submitted, there will be an additional fee. Contact our customer service group for details.
Stoddard Solvent	8052-41-3	521AT	521AT Badge	50.8	OSHA 2900 MG/M3	NIOSH CEILING 1800 MG/M3	1.6 MG/M3	40	6	MOD NIOSH 1550	OV List C	Mineral Spirits		Stoddard solvent and VM & P Naptha are complex mixtures and are charged as a A707-M. If a badge with one chemical prepaid is submitted, there will be an additional fee. Contact our customer service group for details.
Stoddard Solvent	8052-41-3	525AT	525AT Badge	53.3	OSHA 2900 MG/M3	NIOSH CEILING 1800 MG/M3	1.6 MG/M3	40	6	MOD NIOSH 1550	OV List C	Mineral Spirits		Stoddard solvent and VM & P Naptha are complex mixtures and are charged as a A707-M. If a badge with one chemical prepaid is submitted, there will be an additional fee. Contact our customer service group for details.
Strontium	7440-24-6	J5-024 SMR TAB	Smear Tab					0.05		6	MOD OSHA ID 125	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.
Strontium	7440-24-6	J537MCE208	Cassette, MCE Cassette	2.0 L/min			0.000052 MG/M3	0.05	1000	6	MOD OSHA ID 125	ICP		
Styrene	100-42-5	521AT	521AT Badge	55.6	OSHA 100 PPM	OSHA CEILING 200 PPM	0.0044 PPM	0.5	6	6	AT L-OV (GC/FID)	OV List A		This Chemical is on the Organic Solvent Panel. OSP
Styrene	100-42-5	546AT	546AT Badge	2.30	OSHA 100 PPM	OSHA CEILING 200 PPM	0.11 PPM	0.5	6	6	AT L-OV (GC/FID)	OV List A		
Styrene #	100-42-5	566AT #	566AT Badge	9.21	OSHA 100 PPM	OSHA CEILING 200 PPM	0.027 PPM	0.5	6	6	AT L-OV (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-OV (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	6	6	AT L-OV (GC/FID)	OV List A		This Chemical is on the Organic Solvent Panel. OSP
Sulfur Dioxide	7446-09-5	J6-080	Tube, Anasorb 747-KOH 50-100mg Tube	0.10 L/min	OSHA 5 PPM	ACGIH STEL 0.25 PPM	0.0040 PPM	0.5	12	6	MOD OSHA ID 200			
Sulfuric Acid	7664-93-9	J5-010-D3	Tube, Silica Gel Washed 200-1400mg Tube	0.20 L/min	OSHA 1 MG/M3		0.052 MG/M3	5	100	6	MOD NIOSH 7903	Acid	H2SO4	
2,4-TDI	584-84-9	J5-9002	Cassette, GFF w/ 1, PP	1.0 L/min	ACGIH 0.005 PPM	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	J5-9002	Cassette, GFF w/ 1, PP	1.0 L/min	ACGIH 0.005 PPM	ACGIH STEL 0.02 PPM	0.000015 PPM	0.05	240	10	MOD OSHA 42	Isocyanates	Toluene-2,6-Diisocyanate	Sample openface (See method)
1,1,3,3,3-Tetrafluoro-1-Propene #	29118-24-9	549AT #	549AT Badge	0.600			0.74 PPM	1	10	MOD OSHA 103	Anesthetic Gas			Not validated on the 546, 566, 525 nor 521 badges.
1,1,1,2-Tetrafluoroethane #	811-97-2	549AT #	549AT Badge	0.670			0.75 PPM	1	10	AT L-OV (GC/FID)	Freon	HFC-134a		Not validated on the 546, 566, 525 nor 521 badges.
Tetrahydrofuran	109-99-9	521AT	521AT Badge	74.0	OSHA 200 PPM	ACGIH CEILING 100 PPM	0.0076 PPM	0.8	6	6	AT L-OV (GC/FID)	OV List A		This Chemical is on the Organic Solvent Panel. OSP
Tetrahydrofuran #	109-99-9	546AT #	546AT Badge	2.70	OSHA 200 PPM	ACGIH CEILING 100 PPM	0.21 PPM	0.8	6	6	AT L-OV (GC/FID)	OV List A		
Tetrahydrofuran	109-99-9	566AT	566AT Badge	10.8	OSHA 200 PPM	ACGIH CEILING 100 PPM	0.052 PPM	0.8	6	6	AT L-OV (GC/FID)	OV List A		
Tetrahydrofuran	109-99-9	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 200 PPM	ACGIH CEILING 100 PPM	0.0057 PPM	0.8	10	6	AT L-OV (GC/FID)	OV List A		
Tetrahydrofuran	109-99-9	525AT	525AT Badge	77.7	OSHA 200 PPM	ACGIH CEILING 100 PPM	0.0073 PPM	0.8	6	6	AT L-OV (GC/FID)	OV List A		This Chemical is on the Organic Solvent Panel. OSP
Thallium	7440-28-0	J5-024 SMR TAB	Smear Tab					0.5		6	MOD OSHA ID 125	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.
Thallium	7440-28-0	J537MCE208	Cassette, MCE Cassette	2.0 L/min			0.00052 MG/M3	0.5	1000	6	MOD OSHA ID 125	ICP		
Tin	7440-31-5	J5-024 SMR TAB	Smear Tab					2		6	MOD OSHA ID 125	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.
Tin	7440-31-5	J537MCE208	Cassette, MCE Cassette	2.0 L/min			0.00052 MG/M3	0.5	1000	6	MOD OSHA ID 125	ICP		
Titanium	7440-32-6	J5-024 SMR TAB	Smear Tab					0.2		6	MOD OSHA ID 125	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.
Titanium	7440-32-6	J537MCE208	Cassette, MCE Cassette	2.0 L/min			0.000052 MG/M3	0.05	1000	6	MOD OSHA ID 125	ICP		
Titanium Dioxide	13463-67-7	J537MCE208	Cassette, MCE Cassette	2.0 L/min			0.00010 MG/M3	0.1	1000	6	MOD OSHA ID 125	ICP		
o-Tolualdehyde	835-20-4	571AT	571AT Badge	6.30			0.20 PPM	3	6	MOD EPA TO-11	Aldehyde			
m-Tolualdehyde #	620-23-5	571AT #	571AT Badge	6.29			0.20 PPM	3	10	MOD EPA TO-11	Aldehyde			
m-Tolualdehyde	620-23-5	580AT	580AT Badge	56.7			0.022 PPM	3	10	MOD EPA TO-11	Aldehyde			The 580 badge has been replaced by the 581 badge. The 580 information will be available until the last 580 lot expires.
m-Tolualdehyde	620-23-5	581AT	581AT Badge	59.5			0.021 PPM	3	10	MOD EPA TO-11	Aldehyde			
Toluene	108-88-3	521AT	521AT Badge	66.2	OSHA 200 PPM		0.017 PPM	2	6	6	AT L-OV (GC/FID)	OV List A		This Chemical is on the Organic Solvent Panel. OSP
Toluene	108-88-3	546AT	546AT Badge	2.37	OSHA 200 PPM		0.47 PPM	2	6	6	AT L-OV (GC/FID)	OV List A		
Toluene #	108-88-3	566AT #	566AT Badge	9.48	OSHA 200 PPM		0.12 PPM	2	6	6	AT L-OV (GC/FID)	OV List A		
Toluene	108-88-3	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		
Toluene	108-88-3	525AT	525AT Badge	69.5	OSHA 200 PPM		0.016 PPM	2	6	6	AT L-OV (GC/FID)	OV List A		This Chemical is on the Organic Solvent Panel. OSP
Total Hydrocarbons	8002-05-9	521AT	521AT Badge	58.0			1.4 MG/M3	40	6	6	MOD NIOSH 1500	OV List C		All results reported in mg/m3. Hydrocarbon Range from C4 to C15. Some list A chemicals can be analyzed with some list C chemicals (aromatic and aliphatic hydrocarbons may be combined while alcohols, ketones, and acrylates cannot). Contact customer service with questions.
Total Hydrocarbons	8002-05-9	546AT	546AT Badge	2.50			33 MG/M3	40	6	6	MOD NIOSH 1500	OV List C		All results reported in mg/m3. Hydrocarbon Range from C4 to C15. Some list A chemicals can be analyzed with some list C chemicals (aromatic and aliphatic hydrocarbons may be combined while alcohols, ketones, and acrylates cannot). Contact customer service with questions.
Total Hydrocarbons #	8002-05-9	566AT #	566AT Badge	9.88			8.4 MG/M3	40	6	6	MOD NIOSH 1500	OV List C		All results reported in mg/m3. Hydrocarbon Range from C4 to C15. Some list A chemicals can be analyzed with some list C chemicals (aromatic and aliphatic hydrocarbons may be combined while alcohols, ketones, and acrylates cannot). Contact customer service with questions.
Total Hydrocarbons	8002-05-9	J6-001	Tube, Charcoal 50-100mg Tube	0.20 L/min			0.42 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 chemicals can be analyzed with some list C chemicals (aromatic and aliphatic hydrocarbons may be combined while alcohols, ketones, and acrylates cannot). Contact customer service with questions.
Total Hydrocarbons	8002-05-9	525AT	525AT Badge	60.9			1.4 MG/M3	40	6	6	MOD NIOSH 1500	OV List C		All results reported in mg/m3. Hydrocarbon Range from C4 to C15. Some list A chemicals can be analyzed with some list C chemicals (aromatic and aliphatic hydrocarbons may be combined while alcohols, ketones, and acrylates cannot). Contact customer service with questions.
1,1,1-Trichloroethane	71-55-6	521AT	521AT Badge	57.4	OSHA 350 PPM	ACGIH STEL 450 PPM	0.020 PPM	3	6	6	AT L-OV (GC/FID)	OV List A	Methylchloroform	This Chemical is on the Organic Solvent Panel. OSP
1,1,1-Trichloroethane #	71-55-6	546AT #	546AT Badge	1.98	OSHA 350 PPM	ACGIH STEL 450 PPM	0.58 PPM	3	6	6	AT L-OV (GC/FID)	OV List A	Methylchloroform	
1,1,1-Trichloroethane	71-55-6	566AT	566AT Badge	7.93	OSHA 350 PPM	ACGIH STEL 450 PPM	0.14 PPM	3	6	6	AT L-OV (GC/FID)	OV List A	Methylchloroform	

Assay Technology Inc - Sampling Guide

- Indicates the badge / chemical combination we recommend.

The 521 and 580 badges have been replaced by the TraceAir II badges 525 and 581. Until the last lots of 521 and 525 have expired, they will be listed here.

All 521 and 580 badges are with both covers removed. Many of the NIOSH/OSHA methods have been modified. For a list of significant modifications, go to www.assaytech.com. Information in this table can change without notice.

OSP = Organic Solvent Panel. See X525-25AT

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
1,1,1-Trichloroethane	71-55-6	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 350 PPM	ACGIH STEL 450 PPM	0.011 PPM	3	10	6	AT-L-OV (GC/FID)	OV List A	Methylchloroform	
1,1,1-Trichloroethane	71-55-6	525AT	525AT Badge	60.3	OSHA 350 PPM	ACGIH STEL 450 PPM	0.019 PPM			6	AT-L-OV (GC/FID)	OV List A	Methylchloroform	This Chemical is on the Organic Solvent Panel. OSP
1,1,2-Trichloroethane	79-00-5	566AT	566AT Badge	7.58	OSHA 10 PPM		0.10 PPM	2		6	AT-L-OV (GC/FID)	OV List A		
1,1,2-Trichloroethane	79-00-5	521AT	521AT Badge	54.9	OSHA 10 PPM		0.014 PPM	2		6	AT-L-OV (GC/FID)	OV List A		
1,1,2-Trichloroethane #	79-00-5	546AT #	546AT Badge	1.90	OSHA 10 PPM		0.40 PPM	2		6	AT-L-OV (GC/FID)	OV List A		
1,1,2-Trichloroethane	79-00-5	525AT	525AT Badge	57.6	OSHA 10 PPM		0.013 PPM	2		6	AT-L-OV (GC/FID)	OV List A		
Trichloroethylene	79-01-6	521AT	521AT Badge	69.4	OSHA 100 PPM	OSHA CEILING 200 PPM	0.011 PPM	2		6	AT-L-OV (GC/FID)	OV List A	TCE	This Chemical is on the Organic Solvent Panel. OSP
Trichloroethylene	79-01-6	546AT	546AT Badge	2.15	OSHA 100 PPM	OSHA CEILING 200 PPM	0.36 PPM	2		6	AT-L-OV (GC/FID)	OV List A	TCE	
Trichloroethylene #	79-01-6	566AT #	566AT Badge	8.60	OSHA 100 PPM	OSHA CEILING 200 PPM	0.099 PPM	2		6	AT-L-OV (GC/FID)	OV List A	TCE	
Trichloroethylene	79-01-6	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 100 PPM	OSHA CEILING 200 PPM	0.0078 PPM	2	10	6	AT-L-OV (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		6	AT-L-OV (GC/FID)	OV List A	TCE	This Chemical is on the Organic Solvent Panel. OSP
1,1,2-Trichlorotrifluoroethane	76-13-1	521AT	521AT Badge	55.6	OSHA 1000 PPM	ACGIH STEL 1250 PPM	0.017 PPM	3.5		6	AT-L-OV (GC/FID)	OV List A	CFC 113	
1,1,2-Trichlorotrifluoroethane #	76-13-1	546AT #	546AT Badge	1.67	OSHA 1000 PPM	ACGIH STEL 1250 PPM	0.57 PPM	3.5		6	AT-L-OV (GC/FID)	OV List A	CFC 113	
1,1,2-Trichlorotrifluoroethane	76-13-1	566AT	566AT Badge	6.69	OSHA 1000 PPM	ACGIH STEL 1250 PPM	0.14 PPM	3.5		6	AT-L-OV (GC/FID)	OV List A	CFC 113	
1,1,2-Trichlorotrifluoroethane	76-13-1	525AT	525AT Badge	58.4	OSHA 1000 PPM	ACGIH STEL 1250 PPM	0.016 PPM	3.5		6	AT-L-OV (GC/FID)	OV List A	CFC 113	
Triethanolamine	102-71-6	J537GFZ203	Cassette, GFF Cassette	1.0 L/min			0.0085 PPM	25	120	10	MOD OSHA PV2141			
Triethylenetetramine #	112-24-3	585AT #	585AT Badge	6.05			0.14 PPM	2.5		10	MOD OSHA 60	Amine		
1,2,4-Trimethylbenzene	95-63-6	521AT	521AT Badge	56.7	ACGIH 25 PPM		0.0075 PPM	1		6	AT-L-OV (GC/FID)	OV List C		Not a OV A chemical. Analyze on with list C chemicals.
1,2,4-Trimethylbenzene	95-63-6	546AT	546AT Badge	2.09	ACGIH 25 PPM		0.20 PPM	1		6	AT-L-OV (GC/FID)	OV List C		Not a OV A chemical. Analyze on with list C chemicals.
1,2,4-Trimethylbenzene #	95-63-6	566AT #	566AT Badge	8.36	ACGIH 25 PPM		0.051 PPM	1		6	AT-L-OV (GC/FID)	OV List C		Not a OV A chemical. Analyze on with list C chemicals.
1,2,4-Trimethylbenzene	95-63-6	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	ACGIH 25 PPM		0.0042 PPM	1	10	6	AT-L-OV (GC/FID)	OV List C		Not a OV A chemical. Analyze on with list C chemicals.
1,2,4-Trimethylbenzene	95-63-6	525AT	525AT Badge	59.5	ACGIH 25 PPM		0.0071 PPM	1		6	AT-L-OV (GC/FID)	OV List C		Not a OV A chemical. Analyze on with list C chemicals.
2,2,4-Trimethylpentane	540-84-1	546AT	546AT Badge	2.21			0.66 PPM	3		6	AT-L-OV (GC/FID)	OV List A	IsoOctane	
2,2,4-Trimethylpentane	540-84-1	521AT	521AT Badge	42.6			0.031 PPM	3		6	AT-L-OV (GC/FID)	OV List A	IsoOctane	
2,2,4-Trimethylpentane	540-84-1	566AT	566AT Badge	8.60			0.16 PPM	3		6	AT-L-OV (GC/FID)	OV List A	IsoOctane	
2,2,4-Trimethylpentane	540-84-1	525AT	525AT Badge	44.7			0.030 PPM	3		6	AT-L-OV (GC/FID)	OV List A	IsoOctane	
Valeraldehyde	110-62-3	580AT	580AT Badge	65.0	ACGIH 50 PPM		0.0091 PPM	1		10	MOD EPA TO-11	Aldehyde		The 580 badge has been replaced by the 581 badge. The 580 information will be available until the last 580 lot expires.
Valeraldehyde #	110-62-3	571AT #	571AT Badge	7.21	ACGIH 50 PPM		0.082 PPM	1		10	MOD EPA TO-11	Aldehyde		
Valeraldehyde #	110-62-3	581AT	581AT Badge	68.3	ACGIH 50 PPM		0.0087 PPM	1		10	MOD EPA TO-11	Aldehyde		
Vanadium	7440-62-2	J5-024 SMR TAB	Smear Tab					0.2		6	MOD OSHA ID 125	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.
Vanadium	7440-62-2	J537MCEZ08	Cassette, MCE Cassette	2.0 L/min			0.00021 MG/M3	0.2	1000	6	MOD OSHA ID 125	ICP		
Vinyl Acetate	108-05-4	521AT	521AT Badge	67.4	ACGIH 10 PPM	ACGIH CEILING 15 PPM	0.0088 PPM	1		6	AT-L-OV (GC/FID)	OV List A		
Vinyl Acetate	108-05-4	546AT	546AT Badge	2.47	ACGIH 10 PPM	ACGIH CEILING 15 PPM	0.24 PPM	1		6	AT-L-OV (GC/FID)	OV List A		
Vinyl Acetate #	108-05-4	566AT #	566AT Badge	9.89	ACGIH 10 PPM	ACGIH CEILING 15 PPM	0.060 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	ACGIH 10 PPM	ACGIH CEILING 15 PPM	0.0059 PPM	1	10	6	AT-L-OV (GC/FID)	OV List A		
Vinyl Acetate	108-05-4	525AT	525AT Badge	70.8	ACGIH 10 PPM	ACGIH CEILING 15 PPM	0.0084 PPM	1		6	AT-L-OV (GC/FID)	OV List A		
Vinyl Chloride	75-01-4	546AT	546AT Badge	2.90	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 521/525 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 521/525 badge.
Vinyl Toluene	25013-15-4	521AT	521AT Badge	57.0	OSHA 100 PPM	ACGIH CEILING 100 PPM	0.038 PPM	0.5		6	AT-L-OV (GC/FID)	OV List B	Methyl Styrene	
Vinyl Toluene	25013-15-4	546AT	546AT Badge	2.11	OSHA 100 PPM	ACGIH CEILING 100 PPM	0.30 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	ACGIH CEILING 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	ACGIH CEILING 100 PPM	0.0036 PPM	0.5		6	AT-L-OV (GC/FID)	OV List B	Methyl Styrene	
N-Vinyl-2-Pyrrolidione	88-12-0	521AT	521AT Badge	58.2			0.024 PPM	3		6	AT-L-OV (GC/FID)	OV List A		
N-Vinyl-2-Pyrrolidione	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	2.20	ACGIH 0.1 PPM		0.064 PPM	0.3		6	AT-L-OV (GC/FID)	OV List A	4-Vinyl-1-cyclohexene	
4-Vinylcyclohexene	100-40-3	566AT	566AT Badge	8.80	ACGIH 0.1 PPM		0.016 PPM	0.3		6	AT-L-OV (GC/FID)	OV List A	4-Vinyl-1-cyclohexene	
4-Vinylcyclohexene	100-40-3	521AT	521AT Badge	58.7	ACGIH 0.1 PPM		0.0024 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	ACGIH 0.1 PPM		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	ACGIH 5 PPM		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	ACGIH 5 PPM		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	ACGIH 5 PPM		0.0063 PPM	1.2	10	6	AT-L-OV (GC/FID)	OV List A	1,1 DCE	
Vinylidene Chloride	75-35-4	521AT	521AT Badge	60.9	ACGIH 5 PPM		0.010 PPM	1.2		6	AT-L-OV (GC/FID)	OV List A	1,1 DCE	
Vinylidene Chloride #	75-35-4	525AT #	525AT Badge	63.9	ACGIH 5 PPM		0.0099 PPM	1.2		6	AT-L-OV (GC/FID)	OV List A	1,1 DCE	
VM&P Naptha #	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		Stoddard solvent and VM & P Naptha are complex mixtures and are charged as a A707-M. If a badge with one chemical prepaid is submitted, there will be an additional fee. Contact our customer service group for details.
VM&P Naptha	8032-32-4	521AT	521AT Badge	53.4	NIOSH 350 MG/M3	NIOSH CEILING 1800 MG/M3	1.6 MG/M3	40		6	MOD NIOSH 1550	OV List C		Stoddard solvent and VM & P Naptha are complex mixtures and are charged as a A707-M. If a badge with one chemical prepaid is submitted, there will be an additional fee. Contact our customer service group for details.
VM&P Naptha	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		Stoddard solvent and VM & P Naptha are complex mixtures and are charged as a A707-M. If a badge with one chemical prepaid is submitted, there will be an additional fee. Contact our customer service group for details.
VM&P Naptha	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		Stoddard solvent and VM & P Naptha are complex mixtures and are charged as a A707-M. If a badge with one chemical prepaid is submitted, there will be an additional fee. Contact our customer service group for details.
VM&P Naptha	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		Stoddard solvent and VM & P Naptha are complex mixtures and are charged as a A707-M. If a badge with one chemical prepaid is submitted, there will be an additional fee. Contact our customer service group for details.
Xylenes	1330-20-7	521AT	521AT Badge	57.6	OSHA 100 PPM	ACGIH STEL 150 PPM	0.0083 PPM	1		6	AT-L-OV (GC/FID)	OV List A		This Chemical is on the Organic Solvent Panel. OSP
Xylenes	1330-20-7	546AT	546AT Badge	1.89	OSHA 100 PPM	ACGIH STEL 150 PPM	0.25 PPM	1		6	AT-L-OV (GC/FID)	OV List A		
Xylenes #	1330-20-7	566AT #	566AT Badge	7.54	OSHA 100 PPM	ACGIH STEL 150 PPM	0.064 PPM	1		6	AT-L-OV (GC/FID)	OV List A		
Xylenes	1330-20-7	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 100 PPM	ACGIH STEL 150 PPM	0.0084 PPM	1	10	6	AT-L-OV (GC/FID)	OV List A		
Xylenes	1330-20-7	525AT	525AT Badge	60.5	OSHA 100 PPM	ACGIH STEL 150 PPM	0.0079 PPM	1		6	AT-L-OV (GC/FID)	OV List A		This Chemical is on the Organic Solvent Panel. OSP
Zinc	7440-66-6	J5-024 SMR TAB	Smear Tab					2		6	MOD OSHA ID 125	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.
Zinc	7440-66-6	J537MCEZ08	Cassette, MCE Cassette	2.0 L/min			0.00052 MG/M3	0.5	1000	6	MOD OSHA ID 125	ICP		
Zinc Chloride	7646-85-7	J537MCEZ08	Cassette, MCE Cassette	2.0 L/min	OSHA 1 MG/M3	ACGIH STEL 2 MG/M3	0.0010 MG/M3	1	1000	6	MOD OSHA ID 125	ICP		
Zinc Oxide	1314-13-2	J5-024 SMR TAB	Smear Tab					3		6	MOD OSHA ID 125	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial). Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment.
Zinc Oxide	1314-13-2	J537MCEZ08	Cassette, MCE Cassette	2.0 L/min			0.0010 MG/M3	1	1000	6	MOD OSHA ID 125	ICP		