

# 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The 521 and 580 badges have been replaced by the TraceAir II badges 525 and 581.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](http://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	6	MOD EPA TO-11	Aldehyde		
Acetaldehyde	75-07-0	581AT	581AT Badge	84.7	OSHA 200 PPM	ACGIH CEILING 25 PPM	0.04 PPM	3	10	6	MOD EPA TO-11	Aldehyde		
Acetic Acid	64-19-7	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 10 PPM	ACGIH STEL 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 STEL 15 PPM	0.077 PPM	1	6	6	MOD OSHA 1865G	Acetic Acid	Propenal	Can only be collected on 543 monitor The media inside the badge changed with lot 6N17 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	6	AT L-OV (GC/FID)	OV List A		This Chemical is on the OSP Search for "OSP" to see all the chemicals together on the Guide
Acetone #	67-64-1	546AT #	546AT Badge	3.23	OSHA 1000 PPM	ACGIH STEL 500 PPM	0.54 PPM	2	6	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	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	6	AT L-OV (GC/FID)	OV List A		This Chemical is on the OSP Search for "OSP" to see all the chemicals together on the Guide
Acetonitrile	75-05-8	521AT	521AT Badge	93.6	OSHA 40 PPM		0.019 PPM	1.4	6	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	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	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		0.031 PPM	1.4	10	6	AT L-OV (GC/FID)	OV List A		
Acetonitrile	75-05-8	525AT	525AT Badge	98.3	OSHA 40 PPM		0.018 PPM	1.4	6	6	AT L-OV (GC/FID)	OV List A		
Acetophenone	98-86-2	566AT	566AT Badge	8.00	ACGIH 10 PPM		0.26 PPM	5	6	6	AT L-OV (GC/FID)	OV List B		
Acrolein #	107-02-8	592AT #	592AT Badge	8.56	OSHA 0.1 PPM		0.053 PPM	0.5	10	6	MOD OSHA 52	Acrolein		
Acrolein	107-02-8	J6-117	Tube, XAD-2 (2-HMP) 75-1150mg Tube		OSHA 0.1 PPM		0.5	10	6	6	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	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	6	MOD NIOSH 1604	OV List A		
Acrylonitrile	107-13-1	566AT	566AT Badge	12.9	OSHA 2 PPM	OSHA CEILING 10 PPM	0.074 PPM	1	6	6	MOD NIOSH 1604	OV List A		
Acrylonitrile	107-13-1	J6-001	Tube, Charcoal 50-100mg Tube	0.10 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	6	MOD NIOSH 1604	OV List A		
Allyl Chloride	107-18-6	521AT	521AT Badge	80.8	OSHA 2 PPM	NIOSH CEILING 4 PPM	0.0098 PPM	0.9	6	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	6	AT L-OV (GC/FID)	OV List A		
Allyl Alcohol	107-18-6	566AT	566AT Badge	12.1	OSHA 2 PPM	NIOSH CEILING 4 PPM	0.065 PPM	0.9	6	6	AT L-OV (GC/FID)	OV List A		
Allyl Alcohol #	107-18-6	525AT #	525AT Badge	84.8	OSHA 2 PPM	NIOSH CEILING 4 PPM	0.0093 PPM	0.9	6	6	AT L-OV (GC/FID)	OV List A		
Allyl Chloride	107-05-1	521AT	521AT Badge	80.8	OSHA 2 PPM	ACGIH CEILING 2 PPM	0.0091 PPM	1.1	6	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	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	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	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	J8114K SMR TAB	Smear Tab		OSHA 15 MG/M3			2	6	6	MOD OSHA ID 125	ICP		
Aluminum Chloride	7446-70-0	J8114K SMR TAB	Smear Tab					5	6	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		J8114K: J5-024 + J8054 (Smear Tab with Vial) Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment
Ammonia #	7664-41-7	584AT #	584AT Badge	28.8	OSHA 50 PPM	ACGIH STEL 35 PPM	0.31 PPM	3	6	6	MOD OSHA ID 188	Ammonia		
Ammonia	7664-41-7	J6-001	Tube, Silica Gel-w/HSO4 100-1200mg Tube	0.10 L/min	OSHA 50 PPM	ACGIH STEL 35 PPM	0.092 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	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	6	AT L-OV (GC/FID)	OV List A		
Antimony	7440-36-0	J8114K SMR TAB	Smear Tab		OSHA 0.5 MG/M3			0.5	6	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	OSHA 0.5 MG/M3		0.00052 MG/M3	0.5	1000	6	MOD OSHA ID 125	ICP		
Arsenic	7440-38-2	J8109K G WIPE	Ghost Wipe		OSHA 0.01 MG/M3	NIOSH CEILING 0.002 MG/M3		0.5	6	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	J8114K SMR TAB	Smear Tab		OSHA 0.01 MG/M3	NIOSH CEILING 0.002 MG/M3		0.5	6	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				400	10	6	NIOSH 7400 (A)	Asbestos		Adjust flow to give 100 to 1300 fiber/mm <sup>3</sup> 0.5 to 16 L/min All Asbestos analyses are contracted to another AHA LLC accredited laboratory
Asbestos Fibers by TEM	1332-21-4	JC25MCE3045	Cassette, MCE (TEM)	2.0 L/min				400	10	6	NIOSH 7402	Asbestos		Adjust flow to give 100 to 1300 fiber/mm <sup>3</sup> 0.5 to 16 L/min All Asbestos analyses are contracted to another AHA LLC accredited laboratory
Barium	7440-39-3	J8114K SMR TAB	Smear Tab		NIOSH 0.5 MG/M3			0.05	6	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	6	MOD EPA TO-11	Aldehyde	Benzal	
Benzaldehyde	100-52-7	581AT	581AT Badge	65.8			0.0022 PPM	0.3	10	6	MOD EPA TO-11	Aldehyde	Benzal	
Benzene	71-43-2	521AT	521AT Badge	73.0	OSHA 1 PPM	OSHA STEL 5 PPM	0.0036 PPM	0.4	6	6	AT L-OV (GC/FID)	OV List A		This Chemical is on the OSP Search for "OSP" to see all the chemicals together on the Guide
Benzene	71-43-2	546AT	546AT Badge	2.42	OSHA 1 PPM	OSHA STEL 5 PPM	0.11 PPM	0.4	6	6	AT L-OV (GC/FID)	OV List A		
Benzene	71-43-2	566AT	566AT Badge	9.69	OSHA 1 PPM	OSHA STEL 5 PPM	0.027 PPM	0.4	6	6	AT L-OV (GC/FID)	OV List A		
Benzene	71-43-2	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 1 PPM	OSHA STEL 5 PPM	0.0026 PPM	0.4	10	6	AT L-OV (GC/FID)	OV List A		
Benzene #	71-43-2	525AT #	525AT Badge	76.7	OSHA 1 PPM	OSHA STEL 5 PPM	0.0034 PPM	0.4	6	6	AT L-OV (GC/FID)	OV List A		This Chemical is on the OSP Search for "OSP" to see all the chemicals together on the Guide
Benzyl Alcohol #	100-51-6	566AT #	566AT Badge	8.50			0.28 PPM	5	6	6	AT L-OV (GC/FID)	OV List B		
Benzyl Alcohol	100-51-6	521AT	521AT Badge	62.3			0.038 PPM	5	6	6	AT L-OV (GC/FID)	OV List B		
Benzyl Alcohol	100-51-6	546AT	546AT Badge	2.13			1.1 PPM	5	6	6	AT L-OV (GC/FID)	OV List B		
Benzyl Alcohol	100-51-6	525AT	525AT Badge	65.4			0.036 PPM	5	6	6	AT L-OV (GC/FID)	OV List B		
Benzyl Chloride	100-44-7	521AT	521AT Badge	56.4	OSHA 1 PPM	NIOSH CEILING 1 PPM	0.0071 PPM	1	6	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	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	0.049 PPM	1	6	6	AT L-OV (GC/FID)	OV List B		
Benzyl Chloride	100-44-7	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 1 PPM	NIOSH CEILING 1 PPM	0.0040 PPM	1	10	6	AT L-OV (GC/FID)	OV List B		
Benzyl Chloride #	100-44-7	525AT #	525AT Badge	59.2	OSHA 1 PPM	NIOSH CEILING 1 PPM	0.0068 PPM	1	6	6	AT L-OV (GC/FID)	OV List B		
Beryllium	7440-41-7	J8114K SMR TAB	Smear Tab		OSHA 0.002 MG/M3	OSHA CEILING 0.005 MG/M3		0.05	6	6	MOD OSHA ID 125	ICP		Does not include Beryllium Oxide Contact Customer Service for Beryllium Oxide
Beryllium	7440-41-7	J8109K G WIPE	Ghost Wipe		OSHA 0.002 MG/M3	OSHA CEILING 0.005 MG/M3		0.05	6	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	J8114K SMR TAB	Smear Tab					0.5	1000	6	MOD OSHA ID 125	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial) Tabs are dry, moisten with DI water
Boron	7440-42-8	J537MCE208	Cassette, MCE Cassette	2.0 L/min			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	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	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	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 1 PPM	OSHA STEL 5 PPM	0.0057 PPM	0.6	10	6	AT L-OV (GC/FID)	OV List A		

# Assay Technology Inc - Sampling Guide

# - 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 and S80 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](http://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	
2-Butanol #	78-92-2	566AT #	566AT Badge	10.7	OSHA 150 PPM	NIOSH STEL 150 PPM	0.085 PPM	0.7	5	6	AT-LV (GC/FID)	OV List A	sec-Butyl Alcohol		
2-Butoxyethanol	111-76-2	566AT	566AT Badge	2.11	OSHA 50 PPM		1.0 PPM	5	6	AT-LV (GC/FID)	OV List A	Butyl Cellosolve			
2-Butoxyethanol #	111-76-2	566AT #	566AT Badge	8.43	OSHA 50 PPM		0.26 PPM	5	6	AT-LV (GC/FID)	OV List A	Butyl Cellosolve			
2-Butoxyethanol	111-76-2	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 50 PPM		0.022 PPM	5	10	6	AT-LV (GC/FID)	OV List A	Butyl Cellosolve		
2-Butoxyethanol	111-76-2	521AT	521AT Badge	50.2	OSHA 50 PPM		0.043 PPM	5	6	AT-LV (GC/FID)	OV List A	Butyl Cellosolve			
2-Butoxyethanol	111-76-2	525AT	525AT Badge	52.7	OSHA 50 PPM		0.041 PPM	5	6	AT-LV (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	0.0078 PPM	0.9	6	AT-LV (GC/FID)	OV List A			This Chemical is on the OSP. Search for "OSP" to see all the chemicals together on	
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-LV (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-LV (GC/FID)	OV List A				
N-Butyl Acetate	123-86-4	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 150 PPM	ACGIH STEL 150 PPM	0.0039 PPM	0.9	10	6	AT-LV (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-LV (GC/FID)	OV List A			This Chemical is on the OSP. Search for "OSP" to see all the chemicals together on	
Tert-Butyl Acetate #	540-88-5	546AT #	546AT Badge	2.13	OSHA 200 PPM		0.41 PPM	2	6	AT-LV (GC/FID)	OV List A				
Tert-Butyl Acetate	540-88-5	566AT	566AT Badge	8.50	OSHA 200 PPM		0.10 PPM	2	6	AT-LV (GC/FID)	OV List A				
Tert-Butyl Acetate	540-88-5	521AT	521AT Badge	53.0	OSHA 200 PPM		0.017 PPM	2	6	AT-LV (GC/FID)	OV List A				
Tert-Butyl Acetate	540-88-5	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 200 PPM		0.0088 PPM	2	10	6	AT-LV (GC/FID)	OV List A			
Tert-Butyl Acetate	540-88-5	525AT	525AT Badge	55.7	OSHA 200 PPM		0.016 PPM	2	6	AT-LV (GC/FID)	OV List A				
Butyl Acrylate	141-32-2	521AT	521AT Badge	55.6	ACGIH 2 PPM		0.0093 PPM	1.3	6	AT-LV (GC/FID)	OV List A				
Butyl Acrylate	141-32-2	546AT	546AT Badge	2.03	ACGIH 2 PPM		0.26 PPM	1.3	6	AT-LV (GC/FID)	OV List A				
Butyl Acrylate	141-32-2	566AT	566AT Badge	8.10	ACGIH 2 PPM		0.064 PPM	1.3	6	AT-LV (GC/FID)	OV List A				
Butyl Acrylate #	141-32-2	525AT #	525AT Badge	58.4	ACGIH 2 PPM		0.0058 PPM	1.3	6	AT-LV (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-LV (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-LV (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-LV (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-LV (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-LV (GC/FID)	OV List A				
Butyl Glycidyl Ether	2426-08-6	525AT	525AT Badge	58.1	OSHA 50 PPM	NIOSH CEILING 5.6 PPM	0.0067 PPM	1	6	AT-LV (GC/FID)	OV List B				
Butyl Methacrylate	97-88-1	566AT	566AT Badge	7.40			0.063 PPM	1.3	6	AT-LV (GC/FID)	OV List A				
Butyl Methacrylate	97-88-1	521AT	521AT Badge	53.8			0.0087 PPM	1.3	6	AT-LV (GC/FID)	OV List A				
Butyl Methacrylate	97-88-1	525AT	525AT Badge	56.5			0.0082 PPM	1.3	6	AT-LV (GC/FID)	OV List A				
T-Butyl Methyl Ether	1634-04-4	521AT	521AT Badge	62.9	ACGIH 50 PPM		0.0053 PPM	0.9	6	AT-LV (GC/FID)	OV List A		Methyl tert Butyl Ether, MTBE		
T-Butyl Methyl Ether	1634-04-4	546AT	546AT Badge	2.44	ACGIH 50 PPM		0.21 PPM	0.9	6	AT-LV (GC/FID)	OV List A		Methyl tert Butyl Ether, MTBE		
T-Butyl Methyl Ether	1634-04-4	566AT	566AT Badge	9.77	ACGIH 50 PPM		0.053 PPM	0.9	6	AT-LV (GC/FID)	OV List A		Methyl tert Butyl Ether, MTBE		
T-Butyl Methyl Ether	1634-04-4	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	ACGIH 50 PPM		0.0052 PPM	0.9	10	6	AT-LV (GC/FID)	OV List A	Methyl tert Butyl Ether, MTBE		
T-Butyl Methyl Ether	1634-04-4	525AT	525AT Badge	66.0	ACGIH 50 PPM		0.0079 PPM	0.9	6	AT-LV (GC/FID)	OV List A		Methyl tert Butyl Ether, MTBE		
Butyraldehyde	109-73-0	525AT #	525AT Badge	7.04	OSHA 5 PPM	ACGIH CEILING 5 PPM	0.040 PPM	0.5	10	MOD OSHA 69			Aldehyde		
Butyraldehyde #	123-72-8	571AT #	571AT Badge	8.20			0.026 PPM	0.3	10	MOD EPA TO-11			Aldehyde	Butanal	
Butyraldehyde	123-72-8	J6-119	Tube, Silica Gel-DNPH Tube	0.10 L/min			0.021 PPM	3	30	10	MOD EPA TO-11		Aldehyde	Butanal	
Butyraldehyde	123-72-8	581AT	581AT Badge	70.8			0.030 PPM	0.3	10	MOD EPA TO-11			Aldehyde	Butanal	
Cadmium	7440-43-9	J8109K G WIPE	Ghost Wipe		OSHA 0.005 MG/M3			0.05	6	MOD OSHA ID 125		ICP		J8109K: JS-025 + J8054 (Ghost wipe with Val) Ghost wipes are pre-moistened with DI water. Additional DI water is not necessary.	
Cadmium	7440-43-9	J8114K SMR TAB	Smear Tab		OSHA 0.005 MG/M3			0.05	6	MOD OSHA ID 125		ICP		J8114K: JS-024 + J8054 (Smear Tab with Val) Tabs are dry, moisten with DI water	
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	J8114K SMR TAB	Smear Tab					10	6	MOD OSHA ID 125		ICP		J8114K: JS-024 + J8054 (Smear Tab with Val) 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	ACGIH 2 PPM	ACGIH STEL 3 PPM	0.0044 PPM	0.6	6	AT-LV (GC/FID)	OV List B				
Camphor	76-22-2	546AT	546AT Badge	1.61	ACGIH 2 PPM	ACGIH STEL 3 PPM	0.12 PPM	0.6	6	AT-LV (GC/FID)	OV List B				
Camphor	76-22-2	566AT	566AT Badge	6.43	ACGIH 2 PPM	ACGIH STEL 3 PPM	0.031 PPM	0.6	6	AT-LV (GC/FID)	OV List B				
Camphor #	76-22-2	525AT #	525AT Badge	47.7	ACGIH 2 PPM	ACGIH STEL 3 PPM	0.0042 PPM	0.6	6	AT-LV (GC/FID)	OV List B				
Carbon Black	1333-86-4	J537PVCW250	Cassette, PVC Pre-wt Cassette	2.0 L/min	OSHA 3.5 MG/M3		0.021 MG/M3	20	1000	6	MOD NIOSH 5000		Gravimetric		
Carbon Tetrachloride	56-23-5	521AT	521AT Badge	65.6	OSHA 10 PPM	OSHA CEILING 25 PPM	0.025 PPM	5	6	AT-LV (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-LV (GC/FID)	OV List A		Tetrachloromethane		
Carbon Tetrachloride	56-23-5	566AT	566AT Badge	7.38	OSHA 10 PPM	OSHA CEILING 25 PPM	0.32 PPM	5	6	AT-LV (GC/FID)	OV List A		Tetrachloromethane		
Carbon Tetrachloride	56-23-5	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 10 PPM	OSHA CEILING 25 PPM	0.017 PPM	5	10	6	AT-LV (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-LV (GC/FID)	OV List A		Tetrachloromethane		
Chlorine	7782-50-5	J5-9006	Cassette, PTFE Ag membrane	1.0 L/min	ACGIH 0.1 PPM	OSHA CEILING 1 PPM	0.0014 PPM	2	360	6	MOD NIOSH 6011		Halogen		
Chlorobenzene	108-90-7	546AT	546AT Badge	2.16	OSHA 75 PPM		0.13 PPM	0.6	6	AT-LV (GC/FID)	OV List A				
Chlorobenzene #	108-90-7	566AT #	566AT Badge	8.64	OSHA 75 PPM		0.031 PPM	0.6	6	AT-LV (GC/FID)	OV List A				
Chlorobenzene	108-90-7	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 75 PPM		0.0027 PPM	0.6	10	6	AT-LV (GC/FID)	OV List A			
Chlorobenzene	108-90-7	521AT	521AT Badge	59.2	OSHA 75 PPM		0.0046 PPM	0.6	6	AT-LV (GC/FID)	OV List A				
Chlorobenzene	108-90-7	525AT	525AT Badge	62.2	OSHA 75 PPM		0.0044 PPM	0.6	6	AT-LV (GC/FID)	OV List A				
Chloroform	67-66-3	521AT	521AT Badge	70.4	ACGIH 10 PPM	OSHA CEILING 50 PPM	0.016 PPM	3	6	AT-LV (GC/FID)	OV List A		Trichloromethane	This Chemical is on the OSP. Search for "OSP" to see all the chemicals together on	
Chloroform	67-66-3	546AT	546AT Badge	2.10	ACGIH 10 PPM	OSHA CEILING 50 PPM	0.61 PPM	3	6	AT-LV (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-LV (GC/FID)	OV List A		Trichloromethane		
Chloroform	67-66-3	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	ACGIH 10 PPM	OSHA CEILING 50 PPM	0.013 PPM	3	10	6	AT-LV (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	3	6	AT-LV (GC/FID)	OV List A		Trichloromethane	This Chemical is on the OSP. Search for "OSP" to see all the chemicals together on	
Chromium	7440-47-3	J8109K G WIPE	Ghost Wipe		OSHA 1.1 MG/M3			0.05	6	MOD OSHA ID 125		ICP		J8109K: JS-025 + J8054 (Ghost wipe with Val) Ghost wipes are pre-moistened with DI water (J8055) available with shipment	
Chromium	7440-47-3	J8114K SMR TAB	Smear Tab		OSHA 1.1 MG/M3			0.5	6	MOD OSHA ID 125		ICP		J8114K: JS-024 + J8054 (Smear Tab with Val) Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment	
Chromium	7440-47-3	J537MCE208	Cassette, MCE Cassette	2.0 L/min	OSHA 1.1 MG/M3		0.00052 MG/M3	0.5	1000	6	MOD OSHA ID 125		ICP		
Chromium Hexavalent Ion	18540-29-9	J537PVC250	Cassette, PVC Cassette	2.0 L/min	OSHA 0.005 MG/M3	OSHA CEILING 0.1 MG/M3			960	10	MOD OSHA 215		Subcontract	For OSHA 215: Samples collected on PVC filters from welding operations must be submitted within 8 days of sampling. Filters collected on PVC filters from	
Cobalt	7440-48-4	J8114K SMR TAB	Smear Tab		OSHA 0.1 MG/M3			0.2	6	MOD OSHA ID 125		ICP		J8114K: JS-024 + J8054 (Smear Tab with Val) Tabs are dry, moisten with DI water	
Cobalt	7440-48-4	J537MCE208	Cassette, MCE Cassette	2.0 L/min	OSHA 0.1 MG/M3		0.00052 MG/M3	0.05	1000	6	MOD OSHA ID 125		ICP		
Copper	7440-50-8	J8114K SMR TAB	Smear Tab		OSHA 0.1 MG/M3			0.5	6	MOD OSHA ID 125		ICP		J8114K: JS-024 + J8054 (Smear Tab with Val) Tabs are dry, moisten with DI water before use. DI water (J8055) available with shipment	
Copper	7440-50-8	J537MCE208	Cassette, MCE Cassette	2.0 L/min	OSHA 0.1 MG/M3		0.00052 MG/M3	0.5	1000	6	MOD OSHA ID 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	MOD OSHA 32					

# 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](http://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
Cyclohexanol	108-93-0	546AT	546AT Badge	2.49	OSHA 50 PPM		0.16 PPM	0.7	6	6	AT-LV (GC/FID)	OV List A		
Cyclohexanol #	108-93-0	566AT #	566AT Badge	9.16	OSHA 50 PPM		0.033 PPM	0.7	6	6	AT-LV (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-LV (GC/FID)	OV List A		
Cyclohexanol	108-93-0	525AT	525AT Badge	56.7	OSHA 50 PPM		0.0063 PPM	0.7	6	6	AT-LV (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-LV (GC/FID)	OV List A		This Chemical is on the OSP Search for "OSP" to see all the chemicals together on
Cyclohexanone	108-94-1	546AT	546AT Badge	2.34	OSHA 50 PPM	ACGIH CEILING 50 PPM	0.13 PPM	0.6	6	6	AT-LV (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-LV (GC/FID)	OV List A		
Cyclohexanone	108-94-1	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 50 PPM	ACGIH CEILING 50 PPM	0.0031 PPM	0.6	10	6	AT-LV (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-LV (GC/FID)	OV List A		This Chemical is on the OSP Search for "OSP" to see all the chemicals together on
Cyclohexylamine #	108-91-8	585AT #	585AT Badge	7.41	ACGIH 10 PPM		0.035 PPM	0.5	10	10	MOD OSHA 60	Amine	Suprane	
Desflurane #	57041-67-5	574AT	574AT Badge	8.56			0.11 PPM	3	6	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-LV (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-LV (GC/FID)	OV List A		
1,2-Diaminopropane	662-94-2	585AT	585AT Badge	7.30			0.062 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-LV (GC/FID)	OV List A	Ethylene Dibromide	
1,2-Dibromoethane #	106-93-4	566AT #	566AT Badge	6.67			0.12 PPM	3	6	6	AT-LV (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-LV (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-LV (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-LV (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-LV (GC/FID)	OV List B		
1,2-Dichlorobenzene	95-50-1	521AT	521AT Badge	53.8	OSHA 50 PPM	ACGIH STEL 50 PPM	0.0064 PPM	1	6	6	AT-LV (GC/FID)	OV List B		
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-LV (GC/FID)	OV List B		
1,2-Dichlorobenzene #	106-46-7	566AT #	566AT Badge	6.78	OSHA 75 PPM		0.05 PPM	1	6	6	AT-LV (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-LV (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-LV (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-LV (GC/FID)	OV List B	p-Dichlorobenzene	
1,1-Dichloroethane	75-34-3	521AT	521AT Badge	72.8	OSHA 100 PPM		0.01 PPM	2	6	6	AT-LV (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-LV (GC/FID)	OV List A		
1,1-Dichloroethane #	75-34-3	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 100 PPM		0.010 PPM	2	10	6	AT-LV (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-LV (GC/FID)	OV List A		
1,1-Dichloroethane	75-34-3	525AT	525AT Badge	76.4	OSHA 100 PPM		0.013 PPM	2	6	6	AT-LV (GC/FID)	OV List A		
1,2-Dichloroethane	107-06-2	521AT	521AT Badge	60.5	OSHA 50 PPM	OSHA CEILING 100 PPM	0.01 PPM	2	6	6	AT-LV (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-LV (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-LV (GC/FID)	OV List A	EDC	
1,2-Dichloroethane	107-06-2	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 50 PPM	OSHA CEILING 100 PPM	0.010 PPM	2	10	6	AT-LV (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-LV (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-LV (GC/FID)	OV List A	1,2-DCE, 1,2-Dichloroethene	
1,2-Dichloroethylene #	540-59-0	546AT #	546AT Badge	2.13	OSHA 200 PPM		0.45 PPM	2	6	6	AT-LV (GC/FID)	OV List A	1,2-DCE, 1,2-Dichloroethene	This is a sum of cis-1,2-Dichloroethylene (CAS # 156-59-2) and trans-1,2-
1,2-Dichloroethylene	540-59-0	566AT	566AT Badge	9.32	OSHA 200 PPM		0.11 PPM	2	6	6	AT-LV (GC/FID)	OV List A	1,2-DCE, 1,2-Dichloroethene	This is a sum of cis-1,2-Dichloroethylene (CAS # 156-59-2) and trans-1,2-
1,2-Dichloroethylene	540-59-0	525AT	525AT Badge	75.8	OSHA 200 PPM		0.014 PPM	2	6	6	AT-LV (GC/FID)	OV List A	1,2-DCE, 1,2-Dichloroethene	This is a sum of cis-1,2-Dichloroethylene (CAS # 156-59-2) and trans-1,2-
1,2-Dichloropropane	78-87-5	521AT	521AT Badge	57.9			0.016 PPM	2	6	6	AT-LV (GC/FID)	OV List A	Propylene Dichloride	
1,2-Dichloropropane #	78-87-5	566AT #	566AT Badge	7.98			0.11 PPM	2	6	6	AT-LV (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-LV (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-LV (GC/FID)	OV List B		
Dicyclopentadiene	77-73-6	546AT	546AT Badge	1.99	ACGIH 5 PPM		0.39 PPM	2	6	6	AT-LV (GC/FID)	OV List B		
Dicyclopentadiene	77-73-6	566AT	566AT Badge	7.97	ACGIH 5 PPM		0.097 PPM	2	6	6	AT-LV (GC/FID)	OV List B		
Dicyclopentadiene #	77-73-6	525AT #	525AT Badge	57.8	ACGIH 5 PPM		0.013 PPM	2	6	6	AT-LV (GC/FID)	OV List B		
Diethylamine #	111-42-2	585AT #	585AT Badge	7.19			0.06 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-LV (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-LV (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-LV (GC/FID)	OV List A	3-Pentanone	
Diethyl Ketone	96-22-0	525AT	525AT Badge	66.6	ACGIH 200 PPM	ACGIH STEL 300 PPM	0.027 PPM	3	6	6	AT-LV (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-LV (GC/FID)	OV List A	Butyl Carbitol	
Diethylene Glycol Butyl Ether #	112-34-5	566AT #	566AT Badge	7.19			0.44 PPM	10	6	6	AT-LV (GC/FID)	OV List A	Butyl Carbitol	
Diethylene Glycol Butyl Ether	112-34-5	546AT	546AT Badge	1.80			1.7 PPM	10	6	6	AT-LV (GC/FID)	OV List A	Butyl Carbitol	
Diethylentriamine #	111-40-0	585AT #	585AT Badge	7.26		OSHA CEILING 10 PPM	0.020 PPM	0.3	10	10	MOD OSHA 60	Amine		
Diisobutyl Ketone #	108-83-8	566AT #	566AT Badge	7.69	ACGIH 1 PPM		0.04 PPM	0.9	6	6	AT-LV (GC/FID)	OV List B	2,6-Dimethyl-4-heptanone	
Diisobutyl Ketone	108-83-8	546AT	546AT Badge	1.92	ACGIH 1 PPM		0.17 PPM	0.9	6	6	AT-LV (GC/FID)	OV List B	2,6-Dimethyl-4-heptanone	
Diisobutyl Ketone	108-83-8	521AT	521AT Badge	53.7	OSHA 50 PPM		0.0060 PPM	0.9	6	6	AT-LV (GC/FID)	OV List B	2,6-Dimethyl-4-heptanone	
Diisobutyl Ketone	108-83-8	525AT	525AT Badge	56.4	OSHA 50 PPM		0.0057 PPM	0.9	6	6	AT-LV (GC/FID)	OV List B	2,6-Dimethyl-4-heptanone	
Dimethylamine #	124-40-3	585AT #	585AT Badge	11.1	OSHA 10 PPM	ACGIH STEL 15 PPM	0.031 PPM	0.3	10	10	MOD OSHA 60	Amine		
N,N-Dimethylamine	121-69-7	521AT	521AT Badge	56.6			0.0005 PPM	0.6	6	6	AT-LV (GC/FID)	OV List B		
N,N-Dimethylamine	121-69-7	546AT	546AT Badge	2.08			0.12 PPM	0.6	6	6	AT-LV (GC/FID)	OV List B		
N,N-Dimethylamine	121-69-7	566AT	566AT Badge	8.32			0.030 PPM	0.6	6	6	AT-LV (GC/FID)	OV List B		
N,N-Dimethylamine #	121-69-7	525AT #	525AT Badge	59.4			0.0042 PPM	0.6	6	6	AT-LV (GC/FID)	OV List B		
N,N-Dimethylformamide	68-12-2	521AT	521AT Badge	69.6	OSHA 10 PPM		0.03 PPM	1.3	6	6	AT-LV (GC/FID)	OV List A	DMF	
N,N-Dimethylformamide	68-12-2	546AT	546AT Badge	2.68	OSHA 10 PPM		0.34 PPM	1.3	6	6	AT-LV (GC/FID)	OV List A	DMF	
N,N-Dimethylformamide	68-12-2	566AT	566AT Badge	10.7	OSHA 10 PPM		0.084 PPM	1.3	6	6	AT-LV (GC/FID)	OV List A	DMF	
N,N-Dimethylformamide	68-12-2	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 10 PPM		0.0091 PPM	1.3	10	6	AT-LV (GC/FID)	OV List A	DMF	
N,N-Dimethylformamide #	68-12-2	525AT #	525AT Badge	73.1	OSHA 10 PPM		0.012 PPM	1.3	6	6	AT-LV (GC/FID)	OV List A	DMF	
Dimethylsulfoxide #	67-68-5	566AT #	566AT Badge	10.4			0.63 PPM	10	10	10	AT-LV (GC/FID)	DMSO		
Dimethylsulfoxide	67-68-5	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min			0.06 PPM	10	10	10	AT-LV (GC/FID)	DMSO		Analysis only compatible with Methyl Ethyl Ketoxime Analyzed in the California
1,4-Dioxane	123-91-1	521AT												

# 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](http://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
2-Ethoxyethanol	110-80-5	525AT	525AT Badge	65.5	OSHA 200 PPM		0.017 PPM	2		6	AT L-OV (GC/FID)	OV List A	Celulosive	
Ethyl Acetate	141-78-6	521AT	521AT Badge	68.2	OSHA 400 PPM		0.031 PPM	2		6	AT L-OV (GC/FID)	OV List A		This Chemical is on the OSP. Search for "OSP" to see all the chemicals together on
Ethyl Acetate #	141-78-6	546AT #	546AT Badge	2.25	OSHA 400 PPM		0.52 PPM	2		6	AT L-OV (GC/FID)	OV List A		
Ethyl Acetate	141-78-6	566AT	566AT Badge	8.98	OSHA 400 PPM		0.13 PPM	2		6	AT L-OV (GC/FID)	OV List A		
Ethyl Acetate	141-78-6	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 400 PPM		0.012 PPM	2	10	6	AT L-OV (GC/FID)	OV List A		
Ethyl Acetate	141-78-6	525AT	525AT Badge	71.6	OSHA 400 PPM		0.016 PPM	2		6	AT L-OV (GC/FID)	OV List A		This Chemical is on the OSP. Search for "OSP" to see all the chemicals together on
Ethyl Acrylate	140-88-5	521AT	521AT Badge	58.8	OSHA 25 PPM	ACGIH STEL 15 PPM	0.0078 PPM	0.9		6	AT L-OV (GC/FID)	OV List A		
Ethyl Acrylate	140-88-5	546AT	546AT Badge	2.29	OSHA 25 PPM	ACGIH STEL 15 PPM	0.20 PPM	0.9		6	AT L-OV (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 L-OV (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 L-OV (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 L-OV (GC/FID)	OV List A	Ethanol	This Chemical is on the OSP. Search for "OSP" to see all the chemicals together on
Ethyl Alcohol #	64-17-5	546AT #	546AT Badge	3.39	OSHA 1000 PPM	ACGIH STEL 1000 PPM	3.3 PPM	10		6	AT L-OV (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 L-OV (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 L-OV (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 L-OV (GC/FID)	OV List A	Ethanol	This Chemical is on the OSP. Search for "OSP" to see all the chemicals together on
Ethyl Ether #	60-29-7	546AT #	546AT Badge	2.82	OSHA 400 PPM	ACGIH STEL 500 PPM	0.73 PPM	3		6	AT L-OV (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 L-OV (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 L-OV (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 L-OV (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 L-OV (GC/FID)	OV List A	Diethyl Ether	
Ethyl Methacrylate #	97-63-2	566AT #	566AT Badge	8.41			0.053 PPM	1		6	AT L-OV (GC/FID)	OV List A		
Ethyl Methacrylate	97-63-2	521AT	521AT Badge	55.1			0.0081 PPM	1		6	AT L-OV (GC/FID)	OV List A		
Ethyl Methacrylate	97-63-2	546AT	546AT Badge	2.10			0.21 PPM	1		6	AT L-OV (GC/FID)	OV List A		
Ethyl Methacrylate	97-63-2	525AT	525AT Badge	57.9			0.0077 PPM	1		6	AT L-OV (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	OV List A	Amine	
Ethylbenzene	100-41-4	521AT	521AT Badge	60.6	OSHA 100 PPM	NIOSH 125 PPM	0.0040 PPM	0.5		6	AT L-OV (GC/FID)	OV List A		This Chemical is on the OSP. Search for "OSP" to see all the chemicals together on
Ethylbenzene	100-41-4	546AT	546AT Badge	2.23	OSHA 100 PPM	NIOSH 125 PPM	0.11 PPM	0.5		6	AT L-OV (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 L-OV (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 L-OV (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 L-OV (GC/FID)	OV List A		This Chemical is on the OSP. Search for "OSP" to see all the chemicals together on
Ethylene Chlorohydrin	107-07-3	521AT	521AT Badge	64.9	OSHA 5 PPM	ACGIH CEILING 1 PPM	0.014 PPM	1.4		6	AT L-OV (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 L-OV (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 L-OV (GC/FID)	OV List A		
Ethylene Chlorohydrin #	107-07-3	525AT #	525AT Badge	68.1	OSHA 5 PPM	ACGIH CEILING 1 PPM	0.013 PPM	1.4		6	AT L-OV (GC/FID)	OV List A		
Ethylene Glycol Dimethyl Ether	110-71-4	521AT	521AT Badge	62.4			0.0091 PPM	1		6	AT L-OV (GC/FID)	OV List A	Dimethoxyethane	
Ethylene Glycol Dimethyl Ether	110-71-4	546AT	546AT Badge	2.42			0.23 PPM	1		6	AT L-OV (GC/FID)	OV List A	Dimethoxyethane, 1,2-Dimethoxyethane	
Ethylene Glycol Dimethyl Ether #	110-71-4	566AT #	566AT Badge	9.66			0.058 PPM	1		6	AT L-OV (GC/FID)	OV List A	Dimethoxyethane, 1,2-Dimethoxyethane	
Ethylene Glycol Dimethyl Ether	110-71-4	525AT	525AT Badge	65.5			0.0086 PPM	1		6	AT L-OV (GC/FID)	OV List A	Dimethoxyethane, 1,2-Dimethoxyethane	
Ethylene Oxide	75-21-8	J6-ORBO-78	Tube, ORBO 78 HBr Treated Tube	0.10 L/min	OSHA 1 PPM	OSHA STEL 5 PPM	0.012 PPM	1	24	6	MOD ASTM D5578	OV List A	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	OV List A	Ethylene Oxide	
Ethylendiamine #	107-13-3	555AT #	555AT Badge	9.59	OSHA 10 PPM		0.027 PPM	0.3		10	MOD OSHA 60	OV List A	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	OV List A	Aldehyde	Formalin
Formaldehyde	50-00-0	581AT	581AT Badge	124	OSHA 0.75 PPM	OSHA STEL 2 PPM	0.0014 PPM	0.1		6	MOD OSHA 1007	OV List A	Aldehyde	Formalin
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	OV List A	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	OV List A	Aldehyde	Cidex
Glutaraldehyde	111-30-8	571AT	571AT Badge	7.24		ACGIH CEILING 0.05 PPM	0.00056 PPM	0.008		6	MOD OSHA 64	OV List A	Aldehyde	Cidex
Glutaraldehyde	111-30-8	J5-9003	Cassette, GFF 2-4-DNPH	1.0 L/min		ACGIH CEILING 0.05 PPM	0.000020 PPM	0.04	120	6	MOD OSHA 64	OV List A	Aldehyde	Cidex
Glutaraldehyde #	111-30-8	581AT #	581AT Badge	63.2		ACGIH CEILING 0.05 PPM	0.000064 PPM	0.008		6	MOD OSHA 64	OV List A	Aldehyde	Cidex
Glyoethane #	151-67-7	574AT #	574AT Badge	8.30	ACGIH 50 PPM		0.12 PPM	4		6	MOD OSHA 103	OV List A	Anesthetic Gas	
Glyoethane	151-67-7	J6-001	Tube, Charcoal 50-100mg Tube	0.050 L/min	ACGIH 50 PPM		0.021 PPM	4	12	6	MOD OSHA 103	OV List A	Anesthetic Gas	
HCFE-12332[E] #	102687-65-0	549AT #	549AT Badge	0.600			0.65 PPM	1		10	AT L-OV (GC/FID)	OV List A	Freon	
Heptane	142-82-5	521AT	521AT Badge	53.6	OSHA 500 PPM	ACGIH STEL 500 PPM	0.0047 PPM	0.5		6	AT L-OV (GC/FID)	OV List A		This Chemical is on the OSP. Search for "OSP" to see all the chemicals together on
Heptane #	142-82-5	546AT #	546AT Badge	2.14	OSHA 500 PPM	ACGIH STEL 500 PPM	0.12 PPM	0.5		6	AT L-OV (GC/FID)	OV List A		
Heptane	142-82-5	566AT	566AT Badge	8.54	OSHA 500 PPM	ACGIH STEL 500 PPM	0.030 PPM	0.5		6	AT L-OV (GC/FID)	OV List A		
Heptane	142-82-5	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 500 PPM	ACGIH STEL 500 PPM	0.0025 PPM	0.5	10	6	AT L-OV (GC/FID)	OV List A		This Chemical is on the OSP. Search for "OSP" to see all the chemicals together on
Heptane	142-82-5	525AT	525AT Badge	56.3	OSHA 500 PPM	ACGIH STEL 500 PPM	0.0045 PPM	0.5		6	AT L-OV (GC/FID)	OV List A		This Chemical is on the OSP. Search for "OSP" to see all the chemicals together on
2-Heptanone	110-43-0	546AT	546AT Badge	2.14	OSHA 100 PPM		0.15 PPM	0.7		6	AT L-OV (GC/FID)	OV List A	Methyl amyl Ketone	
2-Heptanone #	110-43-0	566AT #	566AT Badge	8.58	OSHA 100 PPM		0.036 PPM	0.7		6	AT L-OV (GC/FID)	OV List A	Methyl amyl Ketone	
2-Heptanone	110-43-0	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 100 PPM		0.0031 PPM	0.7	10	6	AT L-OV (GC/FID)	OV List A	Methyl amyl Ketone	
2-Heptanone	110-43-0	521AT	521AT Badge	51.0	OSHA 100 PPM		0.0061 PPM	0.7		6	AT L-OV (GC/FID)	OV List A	Methyl amyl Ketone	
2-Heptanone	110-43-0	525AT	525AT Badge	53.6	OSHA 100 PPM		0.0058 PPM	0.7		6	AT L-OV (GC/FID)	OV List A	Methyl amyl Ketone	
Hexamethylene Diisocyanate	822-06-0	J5-9002	Cassette, GFF w/ 1-PP	1.0 L/min	ACGIH 0.005 PPM	NIOSH CEILING 0.02 PPM	0.00024 PPM	0.8	240	10	MOD OSHA 42	OV List A	Isocyanates	HDI
Hexanal #	66-25-1	571AT #	571AT Badge	6.48			0.24 PPM	3		10	MOD EPA TO-11	OV List A	Aldehyde	Hexanaldehyde
Hexanal	66-25-1	581AT	581AT Badge	63.0			0.024 PPM	3		10	MOD EPA TO-11	OV List A	Aldehyde	Hexanaldehyde
N-Hexane	110-54-3	521AT	521AT Badge	58.0	OSHA 500 PPM		0.0061 PPM	0.6		6	AT L-OV (GC/FID)	OV List A		This Chemical is on the OSP. Search for "OSP" to see all the chemicals together on
N-Hexane #	110-54-3	546AT #	546AT Badge	2.47	OSHA 500 PPM		0.14 PPM	0.6		6	AT L-OV (GC/FID)	OV List A		
N-Hexane #	110-54-3	566AT #	566AT Badge	9.88	OSHA 500 PPM		0.033 PPM	0.6		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		This Chemical is on the OSP. Search for "OSP" to see all the chemicals together on
N-Hexane	110-54-3	525AT	525AT Badge	60.9	OSHA 500 PPM		0.0058 PPM	0.6		6	AT L-OV (GC/FID)	OV List A		This Chemical is on the OSP. Search for "OSP" to see all the chemicals together on
2-Hexanone #	591-78-6	566AT #	566AT Badge	9.16	OSHA 100 PPM	ACGIH CEILING 10 PPM	0.028 PPM	0.5		6	AT L-OV (GC/FID)	OV List A	MBK, Methyl Butyl Ketone	
2-Hexanone	591-78-6	546AT	546AT Badge	2.29	OSHA 100 PPM	ACGIH CEILING 10 PPM	0.11 PPM	0.5		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	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	

# Assay Technology Inc - Sampling Guide

# - 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 and S80 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](http://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
Iron(III) Oxide	1309-37-1	J8114K SMR TAB	Smear Tab					3		6	MOD OSHA ID 125	ICP		J8114K: JS-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		
Isomyl Alcohol #	123-51-3	566AT #	566AT Badge	9.77	OSHA 100 PPM	ACGIH CEILING 125 PPM	0.053 PPM	0.9		6	AT L-OV (GC/FID)	OV List A		
Isomyl Alcohol	123-51-3	546AT	546AT Badge	2.44	OSHA 100 PPM	ACGIH CEILING 125 PPM	0.21 PPM	0.9		6	AT L-OV (GC/FID)	OV List A		
Isomyl Alcohol	123-51-3	521AT	521AT Badge	73.0	OSHA 100 PPM	ACGIH CEILING 125 PPM	0.0071 PPM	0.9		6	AT L-OV (GC/FID)	OV List A		
Isomyl Alcohol	123-51-3	525AT	525AT Badge	76.7	OSHA 100 PPM	ACGIH CEILING 125 PPM	0.0068 PPM	0.9		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	AT L-OV (GC/FID)	OV List A		
Isobutyl Acetate #	110-19-0	546AT #	546AT Badge	2.13	OSHA 150 PPM		0.21 PPM	1		6	AT L-OV (GC/FID)	OV List A		
Isobutyl Acetate	110-19-0	566AT	566AT Badge	8.50	OSHA 150 PPM		0.052 PPM	1		6	AT L-OV (GC/FID)	OV List A		
Isobutyl Acetate	110-19-0	525AT	525AT Badge	63.6	OSHA 150 PPM		0.0059 PPM	1		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	AT L-OV (GC/FID)	OV List A		
Isobutyl Alcohol	78-83-1	546AT	546AT Badge	2.67	OSHA 100 PPM		0.18 PPM	0.7		6	AT L-OV (GC/FID)	OV List A	Isobutanol	
Isobutyl Alcohol #	78-83-1	566AT #	566AT Badge	10.7	OSHA 100 PPM		0.045 PPM	0.7		6	AT L-OV (GC/FID)	OV List A	Isobutanol	
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	Isobutanol	
Isobutyl Alcohol	78-83-1	525AT	525AT Badge	67.2	OSHA 100 PPM		0.0072 PPM	0.7		6	AT L-OV (GC/FID)	OV List A	Isobutanol	
Isosulfane #	26675-46-7	521AT	521AT Badge	7.87	CAL 2 PPM		0.11 PPM	3		6	MOD OSHA 103	Anesthetic Gas	Forane	
Isosulfane	26675-46-7	J6-001	Tube, Charcoal 50-100mg Tube	0.050 L/min	CAL 2 PPM		0.017 PPM	3	12	6	MOD OSHA 103	Anesthetic Gas	Forane	
Isothorone	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		
Isothorone	78-59-1	521AT	521AT Badge	47.6	OSHA 25 PPM	ACGIH CEILING 5 PPM	0.0046 PPM	0.6		6	AT L-OV (GC/FID)	OV List B		
Isothorone #	78-59-1	566AT #	566AT Badge	7.80	OSHA 25 PPM	ACGIH CEILING 5 PPM	0.028 PPM	0.6		6	AT L-OV (GC/FID)	OV List B		
Isothorone	78-59-1	546AT	546AT Badge	1.95	OSHA 25 PPM	ACGIH CEILING 5 PPM	0.11 PPM	0.6		6	AT L-OV (GC/FID)	OV List B		
Isothorone	78-59-1	525AT	525AT Badge	50.0	OSHA 25 PPM	ACGIH CEILING 5 PPM	0.0044 PPM	0.6		6	AT L-OV (GC/FID)	OV List B		
Isothorone Diisocyanate	4098-71-9	J5-9002	Cassette, GFF w/ 1, PP	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	AT L-OV (GC/FID)	OV List A		
Isopropyl Acetate	108-21-4	566AT	566AT Badge	9.86	OSHA 250 PPM	ACGIH CEILING 200 PPM	0.055 PPM	1		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	0.0096 PPM	1		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	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	AT L-OV (GC/FID)	OV List A	IPA	This Chemical is on the OSP Search for "OSP" to see all the chemicals together on
Isopropyl Alcohol #	67-63-0	546AT #	546AT Badge	2.96	OSHA 400 PPM	ACGIH STEL 400 PPM	0.29 PPM	1		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	0.070 PPM	1		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	This Chemical is on the OSP Search for "OSP" to see all the chemicals together on
Isopropyl Alcohol	67-63-0	525AT	525AT Badge	67.2	OSHA 400 PPM	ACGIH STEL 400 PPM	0.013 PPM	1		6	AT L-OV (GC/FID)	OV List A	IPA	This Chemical is on the OSP Search for "OSP" to see all the chemicals together on
Lead	7439-92-1	J8114K SMR TAB	Smear Tab		OSHA 0.05 MG/M3			0.5		6	MOD OSHA ID 125	ICP		J8114K: JS-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	J8109K G WIPE	Ghost Wipe		OSHA 0.05 MG/M3			0.5		6	MOD OSHA ID 125	ICP		J8109K: JS-025 + J8054 (Ghost wipe with Vial) Ghost wipes are pre-moistened
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	AT L-OV (GC/FID)	OV List A		
D-Limonene	5989-27-5	546AT	546AT Badge	1.96			0.38 PPM	2		6	AT L-OV (GC/FID)	OV List A		
D-Limonene #	5989-27-5	566AT #	566AT Badge	7.86			0.095 PPM	2		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	AT L-OV (GC/FID)	OV List A		
Magnesium	7439-95-4	J8114K SMR TAB	Smear Tab		OSHA 15 MG/M3			0.5		6	MOD OSHA ID 125	ICP		J8114K: JS-024 + J8054 (Smear Tab with Vial) Tabs are dry, moisten with DI water
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	J8114K SMR TAB	Smear Tab		ACGIH 0.2 MG/M3	OSHA CEILING 5 MG/M3		0.5		6	MOD OSHA ID 125	ICP		J8114K: JS-024 + J8054 (Smear Tab with Vial) Tabs are dry, moisten with DI water
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	101-88-8	J5-9002	Cassette, GFF w/ 1, PP	1.0 L/min	ACGIH 0.005 PPM	OSHA 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	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	J8114K SMR TAB	Smear Tab		OSHA 0.1 MG/M3	CAL OSHA CEILING 0.1 MG/M3		0.02		6	AT CVAF	Mercury		Particulates Only Order Kit J8114K: JS-024 + J8054 (Smear Tab with Vial) Tabs are dry, moisten with DI water before use. DI water (J8055) available with
Mesitylene	108-67-8	546AT	546AT Badge	2.09	OSHA 25 PPM		1.0 PPM	5		6	AT L-OV (GC/FID)	OV List A	1,3,5-Trimethylbenzene	
Mesitylene #	108-67-8	566AT #	566AT Badge	8.36	OSHA 25 PPM		0.25 PPM	5		6	AT L-OV (GC/FID)	OV List A	1,3,5-Trimethylbenzene	
Mesitylene	108-67-8	521AT	521AT Badge	56.7	OSHA 25 PPM		0.037 PPM	5		6	AT L-OV (GC/FID)	OV List A	1,3,5-Trimethylbenzene	
Mesitylene	108-67-8	525AT	525AT Badge	59.5	OSHA 25 PPM		0.036 PPM	5		6	AT L-OV (GC/FID)	OV List A	1,3,5-Trimethylbenzene	
Methamphetamine	537-46-2	J8109K G WIPE	Ghost Wipe					1		10	HPLC	HPLC		Buy wipe kit, J8110K Kit contains a ghost wipe, wipe template, return vial, and the analysis cost. Price including the analysis: \$100. 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 L-OV (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 L-OV (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 L-OV (GC/FID)	OV List A	Methyl Cellosolve	
2-Methoxyethanol	109-86-4	525AT	525AT Badge	59.4	OSHA 25 PPM		0.035 PPM	2.2		6	AT L-OV (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 L-OV (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 L-OV (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 L-OV (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 L-OV (GC/FID)	OV List A	Ethylene glycol monomethyl ether acetate	
Methyl Acetate #	79-20-9	566AT #	566AT Badge	10.3	OSHA 200 PPM	ACGIH STEL 250 PPM	0.13 PPM	2		6	AT L-OV (GC/FID)	OV List A		
Methyl Acetate	79-20-9	521AT	521AT Badge	66.8	OSHA 200 PPM	ACGIH STEL 250 PPM	0.021 PPM	2		6	AT L-OV (GC/FID)	OV List A		
Methyl Acetate	79-20-9	525AT	525AT Badge	70.1	OSHA 200 PPM	ACGIH STEL 250 PPM	0.020 PPM	2		6	AT L-OV (GC/FID)	OV List A		
Methyl Acrylate	96-33-3	521AT	521AT Badge	65.2	OSHA 10 PPM		0.018 PPM	2		6	AT L-OV (GC/FID)	OV List A		
Methyl Acrylate	96-33-3	546AT	546AT Badge	2.47	OSHA 10 PPM		0.48 PPM	2		6	AT L-OV (GC/FID)	OV List A		
Methyl Acrylate #	96-33-3	566AT #	566AT Badge	6.85	OSHA 10 PPM		0.12 PPM	2		6	AT L-OV (GC/FID)	OV List A		
Methyl Acrylate	96-33-3	525AT	525AT Badge	68.5	OSHA 10 PPM		0.017 PPM	2		6	AT L-OV (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		
Methyl Alcohol #	67-56-1	546AT #	546AT Badge	4.06	OSHA 200 PPM	ACGIH STEL 250 PPM	1.2 PPM	3		6	AT L-OV (GC/FID)	OV List A	Methanol	Use 566 badge for STEL. Use 546 for PEL. It is not recommended that Methyl
Methyl Alcohol	67-56-1	566AT	566AT Badge	16.2	OSHA 200 PPM	ACGIH STEL 250 PPM	0.29 PPM	3		6	AT L-OV (GC/FID)	OV List A	Methanol	Use 566 badge for STEL. Use 546 for PEL. It is not recommended that Methyl
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 L-OV (GC/FID)	OV List A	Methanol	
Methyl Ethyl Ketone	78-93-3	521AT	521AT Badge	76.6										





# 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
Alpha-Pinene	80-56-8	546AT	546AT Badge	1.96			0.15 PPM	0.8	6	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	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	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	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	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	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	6	AT-L-OV (GC/FID)	OV List C		
Potassium	7440-09-7	J8114K 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
Potassium	7440-09-7	J537MCE208	Cassette, MCE Cassette	2.0 L/min		OSHA 1 MG/M3	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		ACGIH CEILING 2 MG/M3	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	0.017 PPM	1.6	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	0.46 PPM	1.6	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	0.11 PPM	1.6	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	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	0.016 PPM	1.6	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	0.0052 PPM	0.1	10	10	MOD EPA TO-11	Aldehyde		
Propionaldehyde	123-38-6	581AT	581AT Badge	76.5		ACGIH 20 PPM	0.0011 PPM	0.1	10	10	MOD EPA TO-11	Aldehyde		
Propyl Acetate #	109-60-4	546AT #	546AT Badge	2.27		OSHA 200 PPM	0.22 PPM	1	6	6	AT-L-OV (GC/FID)	OV List A		
Propyl Acetate	109-60-4	566AT #	566AT Badge	9.08		OSHA 200 PPM	0.055 PPM	1	6	6	AT-L-OV (GC/FID)	OV List A		
Propyl Acetate	109-60-4	521AT	521AT Badge	60.8		OSHA 200 PPM	0.082 PPM	1	6	6	AT-L-OV (GC/FID)	OV List A		
Propyl Acetate	109-60-4	525AT	525AT Badge	63.8		OSHA 200 PPM	0.0078 PPM	1	6	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	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	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	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	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	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	0.47 PPM	2	6	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	0.12 PPM	2	6	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	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	60.0		ACGIH 50 PPM	0.019 PPM	2	6	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	0.018 PPM	2	6	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	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	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	0.011 PPM	1	6	6	AT-L-OV (GC/FID)	OV List A		
Propylene Oxide	75-56-9	525AT	525AT Badge	76.5		OSHA 100 PPM	0.011 PPM	1	6	6	AT-L-OV (GC/FID)	OV List A		
Propylamine #	75-55-8	585AT #	585AT Badge	10.0		OSHA 2 PPM	0.018 PPM	0.2	10	10	MOD OSHA 60	Amine		
Pyridine	110-86-1	546AT	546AT Badge	2.58		OSHA 5 PPM	0.22 PPM	0.9	6	6	AT-L-OV (GC/FID)	OV List A		
Pyridine	110-86-1	566AT	566AT Badge	10.3		OSHA 5 PPM	0.056 PPM	0.9	6	6	AT-L-OV (GC/FID)	OV List A		
Pyridine	110-86-1	521AT	521AT Badge	68.0		OSHA 5 PPM	0.0085 PPM	0.9	6	6	AT-L-OV (GC/FID)	OV List A		
Pyridine #	110-86-1	525AT #	525AT Badge	71.4		OSHA 5 PPM	0.0081 PPM	0.9	6	6	AT-L-OV (GC/FID)	OV List A		
Selenium	7782-49-2	J8114K SMR TAB	Smear Tab			OSHA 0.2 MG/M3		5		6	MOD OSHA ID 125	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial) Tabs are dry, moisten with DI water
Selenium	7782-49-2	J537MCE208	Cassette, MCE Cassette	2.0 L/min		OSHA 0.2 MG/M3	0.00052 MG/M3	0.5	1000	6	MOD OSHA ID 125	ICP		
Sesofurane #	28523-86-6	57AAT #	57AAT Badge	7.89			0.097 PPM	3		6	MOD OSHA 103	Anesthetic Gas	Ultane	
Sesofurane	28523-86-6	J6-001	Tube, Charcoal 50-100mg Tube	0.050 L/min			0.015 PPM	3	12	6	MOD OSHA 103	Anesthetic Gas	Ultane	
Crystalline-Silica (XRD) - Resp	7631-86-9	J537PVC350	Cassette, PVC Cassette	2.5 L/min				1000	10	10	MOD NIOSH 7500	Subcontract		For respirable Crystalline Silica with dust, use a three piece pre-weighed PVC
Crystalline-Silica (XRD) - Total	7631-86-9	J537PVC350	Cassette, PVC Cassette	2.0 L/min				1000	10	10	MOD NIOSH 7500	Subcontract		For Total Crystalline Silica with Dust, use a two piece pre-weighed PVC cassette, J537PVCWZ50. If dust is not needed, use a J537PVCZ50 cassette. XRD analysis is
Silver	7440-22-4	J8114K 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
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	J8114K 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
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	0.42 MG/M3	40	10	6	MOD NIOSH 1550	OV List C	Mineral Spirits	
Stoddard Solvent	8052-41-3	546AT	546AT Badge	1.76		OSHA 2900 MG/M3	47 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 prepad is submitted, there will be an
Stoddard Solvent #	8052-41-3	566AT #	566AT Badge	7.03		OSHA 2900 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
Stoddard Solvent	8052-41-3	521AT	521AT Badge	50.8		OSHA 2900 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
Stoddard Solvent	8052-41-3	525AT	525AT Badge	53.3		OSHA 2900 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
Strontium	7440-24-6	J8114K 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
Strontium	7440-24-6	J537MCE208	Cassette, MCE Cassette	2.0 L/min			0.00052 MG/M3	0.05	1000	6	MOD OSHA ID 125	ICP		
Styrene	100-42-5	521AT	521AT Badge	55.6		OSHA 100 PPM	0.0044 PPM	0.5	6	6	AT-L-OV (GC/FID)	OV List A		This Chemical is on the OSP. Search for "OSP" to see all the chemicals together on the Guide
Styrene	100-42-5	546AT	546AT Badge	2.30		OSHA 100 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	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	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	0.0042 PPM	0.5	6	6	AT-L-OV (GC/FID)	OV List A		This Chemical is on the OSP. Search for "OSP" to see all the chemicals together on
Sulfur Dioxide	7446-09-5	J6-080	Tube, Ansoorb 747-KOH 50-1100mg Tube	0.10 L/min		OSHA 5 PPM	0.0040 PPM	0.5	12	6	MOD OSHA ID 200	ICP		
Sulfuric Acid	7664-93-9	J6-010-03	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	0.000029 PPM	0.1	240	10	MOD OSHA 42	Isoyanates	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	0.000015 PPM	0.05	240	10	MOD OSHA 42	Isoyanates	Toluene-2,6-Diisocyanate	Sample openface (See method)
t-1,3,3,3-Tetrafluoro-1-Propene #	29118-24-9	549AT #	549AT Badge	0.600			0.74 PPM	1	10	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	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	0.0076 PPM	0.8	6	6	AT-L-OV (GC/FID)	OV List A		This Chemical is on the OSP. Search for "OSP" to see all the chemicals together on
Tetrahydrofuran #	109-99-9	546AT #	546AT Badge	2.70		OSHA 200 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	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	0.0057 PPM	0.8	10	6	AT-L-OV (GC/FID)	OV List A		

# Assay Technology Inc - Sampling Guide

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-S2AT

# - 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.

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
Tetrahydrofuran	109-99-9	S25AT	S25AT Badge	7.7	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 OSP. Search for "OSP" to see all the chemicals together on the Guide.
Thallium	7440-28-0	J8114K SMR TAB	Smear Tab		OSHA 0.1 MG/M3			0.5	6	6	MOD OSHA ID 125	ICP		This Chemical is on the OSP. Search for "OSP" to see all the chemicals together on the Guide. Before use. DI water (J8055) available with shipment.
Thallium	7440-28-0	J537MCE208	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		
Tin	7440-31-5	J8114K SMR TAB	Smear Tab		OSHA 2 MG/M3			2	6	6	MOD OSHA ID 125	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial) Tabs are dry, moisten with DI water before use.
Tin	7440-31-5	J537MCE208	Cassette, MCE Cassette	2.0 L/min	OSHA 2 MG/M3		0.00052 MG/M3	0.5	1000	6	MOD OSHA ID 125	ICP		
Titanium	7440-32-6	J8114K SMR TAB	Smear Tab		OSHA 2 MG/M3			0.2	6	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			0.00052 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	529-20-4	571AT	571AT Badge	6.30			0.20 PPM	3	6	6	MOD EPA TO-11	Aldehyde		
M-Tolualdehyde #	620-23-5	571AT #	571AT Badge	6.29			0.20 PPM	3	10	6	MOD EPA TO-11	Aldehyde		
M-Tolualdehyde	620-23-5	581AT	581AT Badge	59.5			0.021 PPM	3	10	6	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 OSP. Search for "OSP" to see all the chemicals together on the Guide.
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	S25AT	S25AT 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 OSP. Search for "OSP" to see all the chemicals together on the Guide.
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).
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).
Total Hydrocarbons #	8002-05-9	566AT #	566AT Badge	9.38			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).
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).
Total Hydrocarbons	8002-05-9	S25AT	S25AT 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).
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 OSP. Search for "OSP" to see all the chemicals together on the Guide.
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	
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	S25AT	S25AT Badge	60.3	OSHA 350 PPM	ACGIH STEL 450 PPM	0.019 PPM	3	6	6	AT-L-OV (GC/FID)	OV List A	Methylchloroform	This Chemical is on the OSP. Search for "OSP" to see all the chemicals together on the Guide.
1,1,2-Trichloroethane	79-00-5	566AT	566AT Badge	7.58	OSHA 10 PPM		0.10 PPM	2	6	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	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	6	AT-L-OV (GC/FID)	OV List A		
1,1,2-Trichloroethane	79-00-5	S25AT	S25AT Badge	57.6	OSHA 10 PPM		0.013 PPM	2	6	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	6	AT-L-OV (GC/FID)	OV List A	TCE	This Chemical is on the OSP. Search for "OSP" to see all the chemicals together on the Guide.
Trichloroethylene	79-01-6	546AT	546AT Badge	2.15	OSHA 100 PPM	OSHA CEILING 200 PPM	0.36 PPM	2	6	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	0.090 PPM	2	6	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	S25AT	S25AT Badge	72.9	OSHA 100 PPM	OSHA CEILING 200 PPM	0.011 PPM	2	6	6	AT-L-OV (GC/FID)	OV List A	TCE	This Chemical is on the OSP. Search for "OSP" to see all the chemicals together on the Guide.
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	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	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	6	AT-L-OV (GC/FID)	OV List A	CFC 113	
1,1,2-Trichlorotrifluoroethane	76-13-1	S25AT	S25AT Badge	58.4	OSHA 1000 PPM	ACGIH STEL 1250 PPM	0.016 PPM	3.5	6	6	AT-L-OV (GC/FID)	OV List A	CFC 113	
Triethanolamine	102-71-6	J537GFZ203	Cassette, GFP Cassette	1.0 L/min			0.0085 PPM	25	120	10	MOD OSHA PV2141			
Triethylenetetramine #	112-24-3	S85AT #	S85AT Badge	6.05			0.14 PPM	2.5	10	6	MOD OSHA 60	Amine		
1,2,4-Trimethylbenzene	95-63-6	521AT	521AT Badge	56.7	ACGIH 25 PPM		0.0075 PPM	1	6	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	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	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	S25AT	S25AT Badge	59.5	ACGIH 25 PPM		0.0071 PPM	1	6	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			0.60 PPM	3	6	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	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	6	AT-L-OV (GC/FID)	OV List A	IsoOctane	
2,2,4-Trimethylpentane	540-84-1	S25AT	S25AT Badge	44.7			0.030 PPM	3	6	6	AT-L-OV (GC/FID)	OV List A	IsoOctane	
Valeraldehyde #	110-62-3	571AT #	571AT Badge	7.21	ACGIH 50 PPM		0.082 PPM	1	10	6	MOD EPA TO-11	Aldehyde		
Valeraldehyde	110-62-3	581AT	581AT Badge	68.3	ACGIH 50 PPM		0.0087 PPM	1	10	6	MOD EPA TO-11	Aldehyde		
Vanadium	7440-62-2	J8114K SMR TAB	Smear Tab					0.2	6	6	MOD OSHA ID 125	ICP		J8114K: J5-024 + J8054 (Smear Tab with Vial) Tabs are dry, moisten with DI water before use.
Vanadium	7440-62-2	J537MCE208	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	0.0085 PPM	1	6	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	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	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	S25AT	S25AT Badge	70.8	ACGIH 10 PPM	ACGIH CEILING 15 PPM	0.0084 PPM	1	6	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	6	AT-L-OV (GC/FID)	OV List A		It is not recommended that Vinyl Chloride be collected on the S21/S25 badge.
Vinyl Chloride #	75-01-4	566AT #	566AT Badge	11.6	OSHA 1 PPM		0.035 PPM	0.5	6	6	AT-L-OV (GC/FID)	OV List A		It is not recommended that Vinyl Chloride be collected on the S21/S25 badge.
Vinyl Toluene	25013-15-4	521AT	521AT Badge	57.0	OSHA 100 PPM	ACGIH CEILING 100 PPM	0.0038 PPM	0.5	6	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	0.10 PPM	0.5	6	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	6	AT-L-OV (GC/FID)	OV List B	Methyl Styrene	
Vinyl Toluene	25013-15-4	S25AT	S25AT Badge	59.9	OSHA 100 PPM	ACGIH CEILING 100 PPM	0.0036 PPM	0.5	6	6	AT-L-OV (GC/FID)	OV List B	Methyl Styrene	
N-Vinyl-2-Pyrrolidinone	88-12-0	521AT	521AT Badge	58.2			0.024 PPM	3	6	6	AT-L-OV (GC/FID)	OV List A		
N-Vinyl-2-Pyrrolidinone	88-12-0	S25AT	S25AT Badge	61.1			0.023 PPM	3	6	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	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	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	6	AT-L-OV (GC/FID)	OV List A	4-Vinyl-1-cyclohexene	
4-Vinylcyclohexene #	100-40-3	S25AT #	S25AT Badge	61.6	ACGIH 0.1 PPM		0.0023 PPM	0.3	6	6	AT-L-OV (GC/FID)	OV List A	4-Vinyl-1-cyclohexene	



# 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](http://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
Vinylidene Chloride	75-35-4	566AT	566AT Badge		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		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		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		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		NIOSH 350 MG/M3	NIOSH CEILING 1800 MG/M3	9.3 MG/M3	40		6	MOD NIOSH 1550	OV List C	VMP Naphta	Stoddard solvent and VM & P Naphta are complex mixtures and are charged as a
VM&P Naptha	8032-32-4	521AT	521AT Badge		NIOSH 350 MG/M3	NIOSH CEILING 1800 MG/M3	1.6 MG/M3	40		6	MOD NIOSH 1550	OV List C	VMP Naphta	Stoddard solvent and VM & P Naphta are complex mixtures and are charged as a
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	VMP Naphta	
VM&P Naptha	8032-32-4	546AT	546AT Badge		NIOSH 350 MG/M3	NIOSH CEILING 1800 MG/M3	37 MG/M3	40		6	MOD NIOSH 1550	OV List C	VMP Naphta	Stoddard solvent and VM & P Naphta are complex mixtures and are charged as a
VM&P Naptha	8032-32-4	525AT	525AT Badge		NIOSH 350 MG/M3	NIOSH CEILING 1800 MG/M3	1.5 MG/M3	40		6	MOD NIOSH 1550	OV List C	VMP Naphta	Stoddard solvent and VM & P Naphta are complex mixtures and are charged as a
Xylenes	1330-20-7	521AT	521AT Badge		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 OSP. Search for "OSP" to see all the chemicals together on
Xylenes #	1330-20-7	566AT #	566AT Badge		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		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	0.0048 PPM	1	10	6	AT-L-OV (GC/FID)	OV List A		
Xylenes	1330-20-7	525AT	525AT Badge		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 OSP. Search for "OSP" to see all the chemicals together on
Zinc	7440-66-6	J8114K 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	J537MCE208	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	J537MCE208	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	J8114K 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
Zinc Oxide	1314-13-2	J537MCE208	Cassette, MCE Cassette	2.0 L/min			0.0010 MG/M3	1	1000	6	MOD OSHA ID 125	ICP		
Xylenes	1330-20-7	J6-001	Tube, Charcoal 50-100mg Tube	0.10 L/min	OSHA 100 PPM	ACGIH STEL 150 PPM	0.0048 PPM	1	10	6	AT-L-OV (GC/FID)	OV List A		
Xylenes	1330-20-7	525AT	525AT Badge		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 OSP. Search for "OSP" to see all the chemicals together on
Zinc	7440-66-6	J8114K 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
Zinc	7440-66-6	J537MCE208	Cassette, MCE Cassette	2.0 L/min			0.00052 MG/M3	0.5	1000	6	MOD OSHA ID 125	ICP		water before use. DI water (J8055) available with shipment
Zinc Chloride	7646-85-7	J537MCE208	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	J8114K 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
Zinc Oxide	1314-13-2	J537MCE208	Cassette, MCE Cassette	2.0 L/min			0.0010 MG/M3	1	1000	6	MOD OSHA ID 125	ICP		water before use. DI water (J8055) available with shipment