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AT Labs Industrial Hygiene Sampling Guide

REV: 3/4/2010

NOTE: ANALYTICAL METHOD Parameters may be modified.

ANALYTE INFORMATION				DIFFUSIVE SAMPLING			ACTIVE SAMPLING					MEDIA	LABORATORY TEST INFORMATION				
CAS No	CHEMICAL NAME of ANALYTE	OSHA PEL	Limits* STEL	Use AT Monitor	SampRate (ml/min)	DetLimit (ppm)	Media Item No.	MAX VOL (L)	RATE (typ)(L/min)	TIME (typ)(hr)	DtLmt (ug)	SUMMARY DESCRIPTION	PRICE CODE	TEST ** GROUP	TEST TYPE	STD TAT	METHOD REF
NOTES:	Diffusive Monitor Detection Limits are 8 hour TWA. For STEL OV, use Monitor 566 or 521. All 521 Sampling Rates used are with both caps removed.																
	To collect surface Wipe samples for Metals (except Cr6), request Item No. J8109K. Analytical parameters and PRICE CODE are the same as for an air sample.																
75-07-0	Acetaldehyde	200	C25[a]	571	9.77	0.3	J6-119	30	0.10	5	3	Silica w/ DNPH	A707	ALD	HPLC	10	EPA TO-11
64-19-7	Acetic Acid	10	15[a]	543	5.91	1	J6-001	24	0.10	4	1	Charcoal	A708		IC	6	OSHA 186SG
67-64-1	Acetone	1000	750[a]	546	2.65	0.7	J6-001	24	0.10	4	2	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
75-05-8	Acetonitrile	40		566	11.4	0.2	J6-009	25	0.10	4	2	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
107-02-8	Acrolein (propenal)	0.1	C0.1[a]	592	8.56	0.05	Special	30	0.10	5	0.5	XAD-2 (2-HMP)	A706		GC/NPD	10	OSHA 52
79-06-1	Acrylamide (air or wipe)	0.3	mg/m3				J6-057	120	1.0	2	0.2	OVS	CFQ		HPLC	10	OSHA PV2004
79-10-7	Acrylic Acid	2[a]					J8105K	24	0.10	4	1	Anasorb 708(2)	CFQ		HPLC	10	OSHA 28
107-13-1	Acrylonitrile	2	C10	521	83.8	0.01	J6-001	20	0.10	3	1	Charcoal	A705	OV-A	GC/FID	6	NIOSH 1604
107-18-6	Allyl Alcohol	2	4[n]	521	80.8	0.01	J6-001	10	0.10	2	0.9	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
107-05-1	Allyl Chloride	1	2[a]	521	77.2	0.01	J6-001	10	0.10	2	2	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
7429-90-5	Aluminum (air or wipe)	15	mg/m3				JS37MCE208	1000	2.0	10	2	MCE Filter	A704	M1	ICP	6	OSHA ID 125
7446-70-0	Aluminum Chloride (air or wipe)						JS37MCE208	500	2.0	5	5	MCE Filter	A704	M1	ICP	6	OSHA ID 125
7664-41-7	Ammonia	50	35[a]	584	16.32	0.4	J6-010-06	24	0.10	4	3	Silica w/ H2S04	A701		ISE	6	OSHA ID 188
12125-02-9	Ammonium Chloride	10[a]	mg/m3				JS37MCE208	100	1.00	2	10	MCE Filter	A708		ISE/IC	6	OSHA ID 188
628-63-7	n- Amyl acetate	100		566	6.58	0.1	J6-001	10	0.10	2	0.9	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
62-53-3	Aniline	5					J6-010	30	0.10	5	0.3	Silica	A715	AR	GC/FID	10	NIOSH 2002
7440-36-0	Antimony (air or wipe)	0.5	mg/m3				JS37MCE208	1000	2.0	10	0.5	MCE Filter	A704	M1,S	ICP	6	OSHA ID 125
7740-38-2	Arsenic (air or wipe)	0.01	mg/m3				JS37MCE208	1000	2.0	10	0.5	MCE FIlter	A704	M1	ICP	6	OSHA ID 125
1332-21-4	Asbestos,bulk						Client	NA	NA	NA	NA	Bag or Cannister	A702-BLK		PLM	6	EPA- 600
1332-21-4	Asbestos,bulk(multilayer)						Client	NA	NA	NA	NA	Bag or Cannister	A702-BAL		PLM	6	EPA- 600
1332-21-4	Asbestos,bulk(point count)						Client	NA	NA	NA	NA	Bag or Cannister	A702-BPC		PLM	6	EPA- 600
1332-21-4	Asbestos,fibers by PCM (air)						JC25MCE308	Var	Var	Var	NA	MCE(25mm,0.8um)	A702-PCM		PCM	6	NIOSH 7400(A)
1332-21-4	Asbestos,fibers by TEM (air)						JC25MCE3045	Var	Var	Var	NA	MCE(25mm,0.4um)	A702-TEM	SUB	TEM	10	NIOSH 7402
7440-39-3	Barium (air or wipe)	0.5	mg/m3				JS37MCE208	1000	2.0	10	0.05	MCE Filter	A704	M1	ICP	6	OSHA ID 125
100-52-7	Benzaldehyde (benzal)			571	5.81	0.02	J6-119	30	0.10	5	0.3	Silica w/ DNPH	A707	ALD	HPLC	10	EPA TO-11
71-43-2	Benzene	1	5	521	73.0	0.003	J6-001	10	0.10	2	0.4	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
100-44-7	Benzyl chloride	1	C1[n]	521	56.4	0.007	J6-001	10	0.10	2	1	Charcoal	A705	OV-B	GC/FID	6	OSHA 7
7440-41-7	Beryllium (air or wipe)	0.002	mg/m3				JS37MCE208	1000	2.0	10	0.2	MCE Filter	A704	M1,S	ICP	6	OSHA ID 125
7440-42-8	Boron (air or wipe)						JS37MCE208	1000	2.0	10	1	MCE Filter	A8100	SUB	ICP	6	OSHA ID 125
7726-95-6	Bromine	0.1	0.2[a]				J5-9006	360	1.00	6	5	Ag membrane	A708	H	IC	6	NIOSH 6011
75-25-2	Bromoform	0.5		521	60.8	0.02	J6-001	10	0.10	2	5	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
106-99-0	1,3- Butadiene	1	5	566	10.5	0.05	J6-001	25	0.10	4	0.6	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
75-65-0	t- Butanol	100	150[n]	566	8.74	0.1	J6-001	10	0.10	2	1	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
71-36-3	n- Butanol	100	C50[n]	566	8.74	0.1	J6-001	10	0.10	2	1	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
78-92-2	2- Butanol (sec-butyl alcohol)	150	150[n]	566	8.74	0.1	J6-001	10	0.10	2	0.7	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
111-76-2	2- Butoxyethanol(ButylCellosolve)	50		566	6.91	0.3	J6-001	10	0.10	2	5	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
123-86-4	n- Butyl acetate	150	200[a]	546	1.63	0.2	J6-001	10	0.10	2	0.9	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
540-88-5	t- Butyl acetate	200		546	1.74	0.5	J6-001	10	0.10	2	2	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
141-32-2	n- Butyl acrylate	2[a]		521	55.6	0.009	J6-001	10	0.10	2	2	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
142-96-1	Butyl ether			566	6.58	0.2					4	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
2426-08-6	n- Butyl glycidyl ether	50		566	6.58	0.1	J6-001	10	0.10	2	0.8	Charcoal	A705	OV-B	GC/FID	6	OSHA 7
97-88-1	Butyl Methacrylate			566	6.29	0.1	J6-001	10	0.10	2	1	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
1634-04-4	t- Butyl methyl ether (MTBE)	50[a]		566	8.01	0.1	J6-001	10	0.10	2	0.9	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
109-73-9	n- Butylamine		C5	585	6.38	0.05	Badge only	NA	NA	NA	0.5	GFF w/ NIT	X585	AM	HPLC	10	sim OSHA 60
123-72-8	Butyraldehyde (butanal)			571	6.83	0.03	J6-119	30	0.10	5	0.30	Silica w/ DNPH	A707	ALD	HPLC	10	EPA TO-11

*OSHA PEL/STEL unless footnoted: a=ACGIH, n=NIOSH

** ANALYTES in same TEST GROUP may be Sampled together, except SUB.

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NOTES: Diffusive Monitor Detection Limits are 8 hour TWA. For STEL OV, use Monitor 566 or 521. All 521 Sampling Rates used are with both caps removed. To collect surface Wipe samples for Metals (except Cr6), request Item No. J8109K. Analytical parameters and PRICE CODE are the same as for an air sample.																	
7440-43-9	Cadmium (air or wipe)	0.005	mg/m3				JS37MCE208	1000	2.0	10	0.05	MCE Filter	A704	M1, W,S	ICP	6	OSHA ID 125
7440-70-2	Calcium (air or wipe)						JS37MCE208	500	2.0	5	0.5	MCE Filter	A704	M1	ICP	6	OSHA ID 125
1305-78-8	Calcium Oxide (as Ca)	5	mg/m3				JS37MCE208	500	2.0	5	0.5	MCE Filter	A704	M1	ICP	6	OSHA ID 125
76-22-2	Camphor	2	mg/m3	521	45.4	0.004	J6-001	10	0.10	2	0.6	Charcoal	A705	OV-B	GC/FID	6	OSHA 7
56-23-5	Carbon tetrachloride	10	C25	521	65.6	0.02	J6-001	15	0.10	3	5	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
120-80-9	Catechol	5[a]					J6-095	24	0.10	4	1	XAD-7	A717		HPLC	10	OSHA 32
57-74-9	Chlordane	0.5	mg/m3				OVS-2 (Special)	480	1	8	4	GFF w/XAD-2	A706		GC/ECD	10	OSHA 67
	Chloride(wipe)						J5-024	NA	NA	NA	2	Smear Tab	A708		IC	6	AT
7782-50-5	Chlorine	0.5[a]	C1				J5-9006	90	1.00	0.25	2	Ag membrane	A708	H	IC	6	NIOSH 6011
108-90-7	Chlorobenzene	75		566	7.08	0.04	J6-001	10	0.10	2	0.6	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
74-97-5	Chlorobromomethane	200		546	1.65	0.9	J6-009	20	0.10	3	4	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
124-48-1	Chlorodibromomethane			566	5.19	0.9					20	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
67-66-3	Chloroform	10[a]	C50	521	70.4	0.02	J6-001	10	0.10	2	3	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
126-99-8	B- Chloroprene	25	C1[n]	566	7.99	0.1	J6-001	10	0.10	2	1	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
7440-47-3	Chromium (air or wipe)	1	mg/m3				JS37MCE208	500	2.0	5	0.05	MCE Filter	A704	M1, W	ICP	6	OSHA ID 125
	Chromium (VI)	0.005	mg/m3				JS37PVC250 + L205	1000	2.0	10	0.5	PVC Filter	A708		Color	6	NIOSH 7600
65996-93-2	Coal Tar Volatiles (OSHA 58 only)	0.2	mg/m3				J8106K	960	2.0	9	50	GF Filter	A707-CTV	PNA-1	Grav/HPLC	10	OSHA 58
7440-48-4	Cobalt (air or wipe)	0.1	mg/m3				JS37MCE208	1000	2.0	10	0.05	MCE Filter	A704	M1	ICP	6	OSHA ID 125
7440-50-8	Copper (air or wipe)	1	mg/m3				JS37MCE208	500	2.0	5	0.06	MCE Filter	A704	M1,W,S	ICP	6	OSHA ID 125
1319-77-3	Cresol	5					J6-095	24	0.10	4	1	XAD-7	A717	PH	HPLC	10	OSHA 32
4170-30-3	Crotonaldehyde	2	C0.3[a]	571	7.16	0.005	J6-119	15	0.10	3	0.05	Silica w/DNPH	A717	ALD	HPLC	10	EPA TO-11
98-82-8	Cumene	50		566	6.85	0.03	J6-001	10	0.10	2	0.5	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
74-90-8	Cyanide, Hydrogen	10	C5[a]				J6-028	90	0.10	15	0.5	Soda lime	A701		UV-VIS	6	NIOSH 6010
110-82-7	Cyclohexane	300		546	1.81	0.2	J6-001	10	0.10	2	0.6	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
108-93-0	Cyclohexanol	50		566	7.51	0.05	J6-001	10	0.10	2	0.7	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
108-94-1	Cyclohexanone	50		566	7.68	0.04	J6-001	10	0.10	2	0.6	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
108-91-8	Cyclohexylamine	10[a]		585	5.49	0.05	Badge only	NA	NA	NA	0.5	GFF w/ NIT	X585	AM	HPLC	10	simOSHA 60
50-29-3	DDT	1	mg/m3				OVS-2 (Special)	480	1.0	8	0.01	GFF w/XAD-2	A706		GC/ECD	10	OSHA 67
541-02-6	Decamethylcyclopentasiloxane			566	3.87	0.03					1.00	Charcoal	A715		GC/FID	6	OSHA 7
57041-67-5	Desflurane (suprane)	2[n] C		574	5.79	0.2	Badge only	NA	NA	NA	3	Charcoal	X574	AN	GC/FID	6	sim OSHA 103
123-42-2	Diacetone Alcohol	50		566	6.97	0.06	J6-001	10	0.10	2	1	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
84-74-2	Dibutyl Phthalate	5	mg/m3				JS37MCE208	200	2.0	2	0.1	MCE Filter	A715	PHAL	GC/FID	6	NIOSH 5020
1717-00-6	1,1- Dichloro-1-fluoroethane (HCFC141b)			566	6.94	0.1	J6-009	12	0.10	2	3	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
95-50-1	1,2- Dichlorobenzene	25[a]	C50	566	6.19	0.06	J6-009	12	0.10	2	1	Charcoal	A705	OV-B	GC/FID	6	OSHA 7
106-46-7	1,4- Dichlorobenzene	75		566	6.19	0.06	J6-009	12	0.10	2	1	Charcoal	A705	OV-B	GC/FID	6	OSHA 7
75-27-4	Dichlorobromomethane			566	5.86	1					20	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
75-71-8	Dichlorodifluoromethane (CFC12)	1000		546	1.71	10	J6-009	12	0.10	2	40	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
75-34-3	1,1- Dichloroethane	100		566	7.56	0.1	J6-001	12	0.10	2	2	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
107-06-2	1,2- Dichloroethane (EDC)	50	C100	566	7.56	0.1	J6-001	12	0.10	2	2	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
540-59-0	1,2- Dichloroethylene	200		546	1.91	0.5	J6-001	12	0.10	2	2	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
75-43-4	Dichlorofluoromethane (CFC21)	1000		546	1.82	5	J6-009	12	0.10	2	20	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
76-14-2	Dichlorotetrafluoroethane (CFC114)	1000		546	1.43	3	J6-001	10	0.10	2	20	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
77-73-6	Dicyclopentadiene	5[a]		521	55.0	0.01	J6-001	10	0.10	2	2	Charcoal	A705	OV-B	GC/FID	6	OSHA 7
111-42-2	Diethanolamine	0.46[a]		585	5.61	0.09	Badge only	NA	NA	NA	1	GFF w/ NIT	X585	AM	HPLC	10	sim OSHA 60
109-89-7	Diethylamine	25	15[a]	585	6.35	0.05	Badge only	NA	NA	NA	0.5	GFF w/ NIT	X585	AM	HPLC	10	sim OSHA 60

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96-22-0	Diethyl ketone	200[a]	300[a]	566	8.10	0.2					3	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
112-34-5	Diethylene glycol butyl ether (Butyl Carbitol)			566	5.89	0.5	J6-001	10	0.10	2	10	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
111-40-0	Diethylenetriamine	1[a]		585	5.43	0.03	Badge only	NA	NA	NA	0.3	GFF w/ NIT	X585	AM	HPLC	10	sim OSHA 60
108-83-8	Diisobutylketone	50		566	6.29	0.05	J6-001	10	0.10	2	0.9	Charcoal	A705	OV-B	GC/FID	6	OSHA 7
68-12-2	N,N- Dimethyl formamide (DMF)	10		521	69.6	0.01	J6-001	10	0.10	2	2	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
131-11-3	Dimethyl phthalate	5	mg/m3				JS37MCE208	200	2.0	2	20	MCE Filter	A715	PHAL	GC/FID	10	NIOSH 5020
124-40-3	Dimethylamine	10	15[a]	585	8.86	0.04	Badge only	NA	NA	NA	0.3	GFF w/ NIT	X585	AM	HPLC	10	sim OSHA 60
121-69-7	N,N- Dimethylaniline	5	10[a]	521	56.6	0.004					0.6	Charcoal	A715	OV-B	GC/FID	6	OSHA 7
67-68-5	Dimethylsulfoxide (DMSO)			566	8.51	0.8					10	Charcoal	A715		GC/FID	6	OSHA 7
123-91-1	1,4- Dioxane	10	C1[n]	521	57.2	0.02	J6-001	10	0.10	2	2	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
34590-94-8	Dipropylene Glycol Methyl Ether	100	150[a]	566	6.16	0.9	J6-001	10	0.10	2	20	Charcoal	A705	OV-B	GC/FID	6	OSHA 7
117-81-7	Di-sec-octyl phthalate	5	mg/m3				JS37MCE208	200	2.0	2	5.0	MCE Filter	A715	PHAL	GC/FID	10	NIOSH 5020
	Dust, alkaline						JS37PP210	1000	2.0	10	200	PTFE	A701		Titration	6	NIOSH 7401
	Dust,respirable	5	mg/m3				JS37PVCPW350 + Cycl	400	2.5	3	20	Tared PVC Filter	A710		Grav	6	NIOSH 600
	Dust,total	15	mg/m3				JS37PVCPW250	960	2.0	9	20	Tared PVC Filter	A710		Grav	6	NIOSH 500
13838-16-9	Enflurane (ethrane)	2[n] C		574	5.36	0.05	Badge only	NA	NA	NA	1	Charcoal	X574	AN	GC/FID	6	sim OSHA 103
106-89-8	Epichlorohydrin	5		566	7.82	0.08	J6-001	10	0.10	2	2	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
141-43-5	Ethanolamine	3	6[a]	585	8.00	0.03	Badge Only	NA	NA	NA	0.3	GFF w/ NIT	X585	AM	HPLC	10	sim OSHA 60
110-80-5	2- Ethoxyethanol(Cellosolve)	200		566	7.92	0.08	J6-001	10	0.10	2	2	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
111-15-9	2- Ethoxyethyl acetate(EthylCell)	100		566	6.53	0.07	J6-001	10	0.10	2	2	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
141-78-6	Ethyl acetate	400		546	1.84	0.6	J6-001	20	0.10	3	2	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
140-88-5	Ethyl acrylate	25	15[a]	566	7.51	0.06	J6-001	10	0.10	2	0.9	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
64-17-5	Ethyl alcohol (ethanol)	1000		546	2.78	0.6	J6-009	20	0.10	3	2	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
75-00-3	Ethyl Chloride	1000		546	2.43	0.3					1	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
7085-85-0	Ethyl 2-Cyanoacrylate	0.2[a]		595	5.16	0.03	Badge Only	NA	NA	NA	0.3	Tenax	A717		HPLC	10	sim OSHA 55
60-29-7	Ethyl ether	400	500[a]	546	2.31	0.9	J6-009	12	0.10	2	3	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
97-64-3	Ethyl lactate			566	6.91	0.06	J6-001	10	0.10	2	1	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
97-63-2	Ethyl methacrylate			566	7.03	0.06					1	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
75-04-7	Ethylamine	10	15[a]	585	8.75	0.04	Badge only	NA	NA	NA	0.3	GFF w/ NIT	X585	AM	HPLC	10	sim OSHA 60
100-41-4	Ethylbenzene	100	125[a]	566	7.30	0.03	J6-001	10	0.10	2	0.5	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
107-07-3	Ethylene chlorohydrin	5	C1[a]	521	64.9	0.01	J6-001	10	0.10	2	2	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
106-93-4	Ethylene dibromide (1,2-Dibromoethane)	20	C30	566	5.46	0.1	J6-001	10	0.10	2	3	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
107-21-1	Ethylene glycol	C100[a]	mg/m3				J6-057	60	1.0	10	5	OVS	A715		GC/FID	6	NIOSH 5523
110-71-4	Ethylene glycol dimethyl ether			566	7.92	0.04	J6-001	10	0.10	2	0.6	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
75-21-8	Ethylene oxide	1	5	555	9.75	0.01	J6-178	24	0.10	6	1	Charcoal w/ HBr	A706		GC/ECD	6	ASTM D5578-04
107-15-3	Ethylenediamine	10		585	7.69	0.02	Badge only	NA	NA	NA	0.2	GFF w/ NIT	X585	AM	HPLC	10	sim OSHA 60
65997-17-3	Fiberglass by PCM	3[n]	f/cm[3]				JC25MCE308	Var	Var	Var	NA	MCE(25mm,0.8um)	A702-PCM		PCM	6	NIOSH 7400(B)
	Fluoride (wipe)						J5-024	NA	NA	NA	3	Smear Tab	A701		ISE	6	AT
	Fluoride (gas & particulate)	2.5	mg/m3				J5-9001	800	1	13	3	MCE w/ Na2CO3	A701(2)		ISE	6	NIOSH 7902
75-69-4	Fluorotrichloromethane (CFC11)	1000	C1000[a]	546	1.56	9	J6-009	12	0.10	2	40	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
50-00-0	Formaldehyde	0.75	2	571	13.05	0.006	J6-119	15	0.10	2.5	0.05	Silica w/ DNPH	A707	ALD	HPLC	6	NIOSH 2016
64-18-6	Formic Acid	5	10[a]				J6-010-03	24	0.10	4	5	Charcoal	CFQ		SUB	10	NIOSH 2011
64-18-6	Formic Acid (particulates)						J8102K	24	0.10	4	5	PTFE + Silica	CFQ		SUB	10	NIOSH 2011
111-30-8	Glutaraldehyde		C0.05[a]	571	6.03	0.0007	J5-9003	120	1.0	2	0.008	GFF w/ DNPH	A707	ALD	HPLC	6	OSHA 64
111-30-8	Glutaraldehyde		C0.05[a]				J6-119	24	0.10	4	0.008	Silica w/ DNPH	A707	ALD	HPLC	6	NIOSH 2532

*OSHA PEL/STEL unless footnoted: a=ACGIH, n=NIOSH

** ANALYTES in same TEST GROUP may be Sampled together, except SUB.

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AT Labs Industrial Hygiene Sampling Guide

REV: 3/4/2010

NOTE: ANALYTICAL METHOD Parameters may be modified.

ANALYTE INFORMATION				DIFFUSIVE SAMPLING			ACTIVE SAMPLING					MEDIA	LABORATORY TEST INFORMATION				
CAS No	CHEMICAL NAME of ANALYTE	OSHA PEL	Limits* STEL	Use AT Monitor	SampRate (ml/min)	DetLimit (ppm)	Media Item No.	MAX VOL (L)	RATE (typ)(L/min)	TIME (typ)(hr)	DtLmt (ug)	SUMMARY DESCRIPTION	PRICE CODE	TEST ** GROUP	TEST TYPE	STD TAT	METHOD REF
NOTES:	Diffusive Monitor Detection Limits are 8 hour TWA. For STEL OV, use Monitor 566 or 521. All 521 Sampling Rates used are with both caps removed.																
	To collect surface Wipe samples for Metals (except Cr6), request Item No. J8109K. Analytical parameters and PRICE CODE are the same as for an air sample.																
151-67-7	Halothane	2[n] C		574	5.17	0.03	J6-001	10	0.10	2	0.6	Charcoal	A705	AN	GC/FID	6	SIM OSHA 103
822-06-0	HDI (aerosol + vapor)	0.005[a]					T590-1	15	1.0	0.25	0.1	ISOCHEK	A717	ISO	HPLC	10	ASTM
822-06-0	HDI (Hexamethylene diisocyanate)	0.005[a]					J5-9002 (open face) (open	240	1.0	4	0.1	GFF w/ 1,2PP	A717	ISO	HPLC	10	OSHA 42
142-82-5	n- Heptane	500	500[a]	546	1.75	0.1	J6-001	10	0.10	2	0.5	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
110-43-0	2- Heptanone(methyl amyl ketone)	100		566	7.03	0.04	J6-001	10	0.10	2	0.7	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
66-25-1	Hexaldehyde (hexanal)			571	5.40	0.3	J6-119	70	0.10	8	3	Silica w/ DNPH	A707	ALD	HPLC	10	EPA TO-11
107-46-0	Hexamethyldisiloxane			566	5.88	0.3					5	Charcoal	A715		GC/FID	10	OSHA 7
110-54-3	n- Hexane	500		566	8.10	0.04	J6-001	10	0.10	2	0.6	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
591-78-6	2- Hexanone(MBK)	100	10[a]	566	7.51	0.03	J6-001	10	0.10	2	0.5	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
10035-10-6	Hydrobromic Acid	3	C3[a]				J6-010-03	100	0.20	8	5	Silica, washed	A708	ACID	IC	6	NIOSH 7903
	Hydrocarbon,Total (as Hexane)			566	8.10	3	J6-001	10	0.10	2	40	Charcoal	A705		GC/FID	6	NIOSH 1500
NOTE:	**Hydrocarbon Mixtures collected on charcoal may be analyzed as Mineral Spirits (CAS 8052-41-3) or Naphtha (CAS 8032-32-4) if GC pattern matches one of these, or, if not, as Total Hydrocarbons (C4-C15; vs Hexane).**																
NOTE:	**Benzene, Toluene, Xylene, Ethyl Benzene, and/or Methy-t-butyl ether (but no other analytes from Group OV-A or OV-B) may be added as Extra Analytes in analysis for Total Hydrocarbons.**																
7647-01-0	Hydrochloric Acid		C5				J6-010-03	100	0.20	8	2	Silica, washed	A708	ACID	IC	6	NIOSH 7903
7664-39-3	Hydrofluoric Acid	3	C3[a]				J6-010-03	100	0.20	8	2	Silica, washed	A708	ACID	IC	6	NIOSH 7903
7722-84-1	Hydrogen Peroxide	1		587	11.7	0.03	Badge Only	NA	NA	NA	0.2	Silica Gel, Special				6	OSHA VI-6
7783-06-4	Hydrogen sulfide (vapor)	10[a]	C20				SPECIAL	40	0.20	7	9	PTFE + Charcoal	A708		IC	6	NIOSH 6013
123-31-9	Hydroquinone (particulate)	2	mg/m3				J8103K	180	2.0	2	1	MCE + HOAc	A717		HPLC	10	NIOSH 5004
4098-71-9	IPDI (Isophorone Diisocyanate)	0.005[a]					T590-1	15	1.0	0.25	0.1	ISOCHEK	A717	ISO	HPLC	10	ASTM
4098-71-9	IPDI (Isophorone Diisocyanate)	0.005[a]					J5-9002 (open face)	240	1.0	4	0.1	GFF w/ 1,2PP	A717	ISO	HPLC	10	OSHA CIM
7439-89-6	Iron (air or wipe)						JS37MCE208	1000	2.0	10	2	MCE Filter	A704	M1,W	ICP	6	OSHA ID 125
7439-89-6	Iron oxide(as Fe)						JS37MCE208	1000	2.0	10	2	MCE Filter	A704	M1,W	ICP	6	OSHA ID 125
123-92-2	Isoamyl acetate	100	100[a]	566	6.58	0.1	J6-001	10	0.10	2	1	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
123-51-3	Isoamyl alcohol	100	125[a]	566	8.01	0.1	J6-001	10	0.10	2	0.9	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
110-19-0	Isobutyl acetate	150		546	1.74	0.2	J6-001	10	0.10	2	1	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
78-83-1	Isobutyl alcohol	100		566	8.74	0.05	J6-001	10	0.10	2	0.7	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
97-85-8	Isobutyl isobutyrate			566	6.25	0.3					5	Charcoal	A715	OV-A	GC/FID	10	OSHA 7
26675-46-7	Isoflurane (forane)	2[n] C		574	5.52	0.1	Badge only	NA	NA	NA	2	Charcoal	X574	AN	GC/FID	6	sim OSHA 103
26952-21-6	Isooctyl alcohol	50[a]		566	6.58	0.3					5	Charcoal	A715		GC/FID	10	OSHA 7
78-59-1	Isophorone	25	C5[a]	566	6.39	0.03	J6-001	10	0.10	2	0.6	Charcoal	A705	OV-B	GC/FID	6	OSHA 7
108-21-4	Isopropyl acetate	250	310[a]	546	1.86	0.3	J6-001	10	0.10	2	1	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
67-63-0	Isopropyl alcohol	400	500[a]	546	2.43	0.3	J6-009	12	0.10	2	1	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
109-59-1	Isopropyl cellosolve	25[a]		566	7.36	0.7					10	Charcoal	A705		GC/FID	6	OSHA 7
108-20-3	Isopropyl ether	500	310[a]	546	1.86	0.2	J6-001	10	0.10	2	0.8	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
75-31-0	Isopropylamine	5	10[a]	585	7.33	0.06	Badge only	NA	NA	NA	0.5	GFF w/ NIT	X585	AM	HPLC	10	sim OSHA 60
7439-92-1	Lead (air or wipe)	0.05	mg/m3				JS37MCE208	1000	2.0	10	0.5	MCE Filter	A704	M1,S	ICP	6	OSHA ID 125
7439-92-1	Lead (paint)	var					Client	NA	NA	NA	0.2	Bag or Bottle	A714	M1	ICP	6	NIOSH 7082
5989-27-5	Limonene (as dipentene)			566	6.44	0.1	J6-001	10	0.10	2	2	Charcoal	A715	OV-A	GC/FID	6	OSHA 7
7439-95-4	Magnesium (air or wipe)						JS37MCE208	1000	2.0	10	0.5	MCE Filter	A704	M1	ICP	6	OSHA ID 125
1309-48-4	Magnesium oxide	15	mg/m3				JS37MCE208	1000	2.0	10	0.9	MCE Filter	A704	M1	ICP	6	OSHA ID 125
7439-96-5	Manganese (air or wipe)	1[n]	mg/m3				JS37MCE208	1000	2.0	10	0.05	MCE Filter	A704	M1,W	ICP	6	OSHA ID 125
101-68-8	MDI (aerosol + vapor)	0.005[a]	C0.02				T590-1	15	1.0	0.25	0.1	ISOCHEK	A717	ISO	HPLC	10	ASTM
101-68-8	MDI (Methylene bisphenyl isocyanate)	0.005[a]	C0.02				J5-9002 (open face)	240	1.0	4	0.2	GFF w/ 1,2PP	A717	ISO	HPLC	10	OSHA 47
7439-97-6	Mercury (particulate)	0.025[a]	C0.1	mg/m3			JS37MCE208	1000	2.0	10	0.02	MCE Filter	A703		CVAF	6	OSHA ID 145
7439-97-6	Mercury (vapor)	0.025[a]	C0.1	593	14.90	0.001mg/m[3]	Badge only	50	0.10	8	0.01	Gold film	X593		CVAF	6	OSHA ID 140

*OSHA PEL/STEL unless footnoted: a=ACGIH, n=NIOSH

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NOTE: ANALYTICAL METHOD Parameters may be modified.

ANALYTE INFORMATION				DIFFUSIVE SAMPLING			ACTIVE SAMPLING					MEDIA	LABORATORY TEST INFORMATION				
CAS No	CHEMICAL NAME of ANALYTE	OSHA PEL	Limits* STEL	Use AT Monitor	SampRate (ml/min)	DetLimit (ppm)	Media Item No.	MAX VOL (L)	RATE (typ)(L/min)	TIME (typ)(hr)	DtLmt (ug)	SUMMARY DESCRIPTION	PRICE CODE	TEST ** GROUP	TEST TYPE	STD TAT	METHOD REF
NOTES:	Diffusive Monitor Detection Limits are 8 hour TWA. For STEL OV, use Monitor 566 or 521. All 521 Sampling Rates used are with both caps removed.																
	To collect surface Wipe samples for Metals (except Cr6), request Item No. J8109K. Analytical parameters and PRICE CODE are the same as for an air sample.																
79-41-4	Methacrylic acid	20[a]					J8105K	24	0.10	4	1	Anasorb708(2)	A717		HPLC	10	OSHA 28
537-46-2	Methamphetamine						J8110K				1	Ghost Wipe	A717		HPLC	10	HPLC
109-86-4	2- Methoxyethanol (Me Cellosolve)	25		566	8.63	0.2	J6-001	10	0.10	2	2	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
110-49-6	2- Methoxyethyl acetate(MeCSAc)	25		566	6.91	0.07	J6-001	10	0.10	2	2	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
76-38-0	Methoxyflurane (metofane)		C2[n]	574	5.52	0.03	Badge only	NA	NA	NA	0.6	Charcoal	X574	AN	GC/FID	6	sim OSHA 103
96-33-3	Methyl acrylate	10		566	8.11	0.1	J6-001	10	0.10	2	2	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
67-56-1	Methyl alcohol (methanol)	200	250[a]	546	3.33	1					3	Charcoal	A715	OV-A	GC/FID	6	OSHA 7
67-56-1	Methyl alcohol (methanol)	200	250[a]				J6-010	5	0.10	3	3	Silica	A715		GC/FID	6	NIOSH 2000
74-83-9	Methyl bromide (Bromomethane)	1[a]	C20	546	1.93	0.1	Special	10	0.10	2	0.4	Anasorb747(2)	A715		GC/FID	10	OSHA PV2040
108-87-2	Methyl cyclohexane	500		546	1.91	0.1	J6-001	10	0.10	2	0.5	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
78-93-3	Methyl ethyl ketone(2-butanone)	200	300[a]	546	2.30	0.2	J6-001	10	0.10	2	0.8	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
96-29-7	Methyl ethyl ketoxime (MEKO)			566	8.06	0.2					3	Charcoal	A715		GC/FID	6	OSHA 7
107-31-3	Methyl formate	100	150[a]	566	9.72	0.3	J6-001	10	0.10	2	3	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
110-12-3	Methyl isoamyl ketone	100		566	7.03	0.06	J6-001	10	0.10	2	1	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
108-11-2	Methyl isobutyl carbinol	25	40[a]	566	7.44	0.06	J6-001	10	0.10	2	0.9	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
108-10-1	Methyl isobutyl ketone (hexone)	100	75[a]	566	7.51	0.05	J6-001	10	0.10	2	0.7	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
80-62-6	Methyl methacrylate	100		566	7.51	0.07	J6-001	10	0.10	2	1	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
98-83-9	a- Methyl Styrene	50[a]	C100	566	6.91	0.03	J6-001	10	0.10	2	0.5	Charcoal	A705	OV-B	GC/FID	6	OSHA 7
872-50-4	1- Methyl-2-pyrrolidinone			566	7.63	0.7	J6-001	10	0.10	2	10	Charcoal	A715	OV-B	GC/FID	6	OSHA 7
109-87-5	Methylal (dimethoxymethane)	1000		546	2.16	0.6	J6-001	10	0.10	2	2	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
74-89-5	Methylamine	10	15[a]	585	11.09	0.03	Badge only	NA	NA	NA	0.2	GFF w/ NIT	X585	AM	HPLC	10	sim OSHA 60
75-09-2	Methylene chloride	25	125	566	7.82	0.2	J6-001	10	0.10	2	3	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
7439-98-7	Molybdenum (air or wipe)	5	mg/m3				JS37MCE208	1000	2.0	10	0.02	MCE Filter	A8100		SUB	10	OSHA 125
110-91-8	Morpholine	20	30[n]	585	6.13	0.2	Badge only	NA	NA	NA	2	GFF w/ NIT	X585	AM	HPLC	10	sim OSHA 60
8052-41-3	Mineral Spirits (Stoddard solvent)	500	350[n]	566	5.76	3	J6-001	10	0.10	2	40	Charcoal	A705-M		GC/FID	6	NIOSH 1550
8032-32-4	Naphtha VM&P	350[a]		566	6.24	3	J6-001	10	0.10	2	40	Charcoal	A705-M		GC/FID	6	NIOSH 1550
NOTE:	**Hydrocarbon Mixtures collected on charcoal may be analyzed as Mineral Spirits (CAS 8052-41-3) or Naphtha (CAS 8032-32-4) if GC pattern matches one of these, or, if not, as Total Hydrocarbons (C4-C15; vs Hexane).**																
NOTE:	**Benzene, Toluene, Xylene, Ethyl Benzene, and/or Methy-t-butyl ether (but no other analytes from Group OV-A or OV-B) may be added as Extra Analytes in analysis for Total Hydrocarbons.**																
91-20-3	Naphthalene	10	15[a]	521	52.8	0.05	J6-001	10	0.10	2	7	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
7440-02-0	Nickel (air or wipe)	1	mg/m3				JS37MCE208	1000	2.0	10	0.1	MCE Filter	A704	M1,W	ICP	6	OSHA ID 125
54-11-5	Nicotine	0.5	mg/m3				J6-030-04	30	0.10	5	5	XAD-2	A717		HPLC	10	AT
	Nitrate (wipe)						J5-024	NA	NA	NA	NA	Smear Tab	A708		IC	6	AT
7697-37-2	Nitric Acid	2	4[a]				J6-010-03	100	0.20	8	5	Silica, washed	A708	ACID	IC	6	NIOSH 7903
10102-44-0	Nitrogen dioxide	3[a]	C 5	594	12.7	0.3	J6-040	6	0.20	0.5	2.5	MolSeive, treated	A701	NOX	Spectro	6	NIOSH 6014
10102-43-9	Nitric oxide	25					J6-040	6	0.025	4	1.7	MolSeive, treated+oxid	A701	NOX	Spectro	6	NIOSH 6014
	Nitrogen oxides (NO & NO2)						J6-040	6	0.025	4	2.5	Molsieve(2)+oxid	A701(2)	NOX	Spectro	6	NIOSH 6014
75-52-5	Nitromethane	100		566	9.64	0.3					3	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
108-03-2	1- Nitropropane	25		566	7.97	0.2	Badge only	NA	NA	NA	3	Charcoal	A715		GC/FID	6	OSHA 7
79-46-9	2- Nitropropane	25		566	7.97	0.2	Badge only	NA	NA	NA	3	Charcoal	A715		GC/FID	6	OSHA 7
	Nitrosamines	var					SPECIAL				0.01	Thermasorb-N	A8006			10	SIM OSHA 27
10024-97-2	Nitrous oxide	25[n]		575	0.75	0.3	Badge only	NA	NA	NA	0.2	Mol Sieve	X575		GC/ECD	6	AT SOP L575
111-84-2	Nonane	200[a]		546	1.66	0.1	J6-001	10	0.10	2	0.5	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
111-65-9	n- Octane	500	C385[n]	546	1.76	0.5	J6-001	10	0.10	2	0.5	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
	Oil Mist (Gravimetric)	5	mg/m3				JS37PVCPW250	300	2.0	3	20	PW PVC Filter	A710		Grav	6	NIOSH 500
	Oil Mist (IR Absorption)	5	mg/m3				JS37PVC250	500	2.0	5	1	PVC Filter	A8100	SUB	IR	10	NIOSH 5026

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NOTE: ANALYTICAL METHOD Parameters may be modified.

ANALYTE INFORMATION				DIFFUSIVE SAMPLING			ACTIVE SAMPLING					MEDIA	LABORATORY TEST INFORMATION				
CAS No	CHEMICAL NAME of ANALYTE	OSHA PEL	Limits* STEL	Use AT Monitor	SampRate (ml/min)	DetLimit (ppm)	Media Item No.	MAX VOL (L)	RATE (typ)(L/min)	TIME (typ)(hr)	DtLmt (ug)	SUMMARY DESCRIPTION	PRICE CODE	TEST ** GROUP	TEST TYPE	STD TAT	METHOD REF
NOTES:	Diffusive Monitor Detection Limits are 8 hour TWA. For STEL OV, use Monitor 566 or 521. All 521 Sampling Rates used are with both caps removed.																
	To collect surface Wipe samples for Metals (except Cr6), request Item No. J8109K. Analytical parameters and PRICE CODE are the same as for an air sample.																
10028-15-6	Ozone	0.1	C0.1n	586	12.50	0.01	SPECIAL	90	0.50	3	0.1	GFF w/ NO2	A708		IC	6	OSHA 214
65996-93-2	PNAs (Screen for 16 PAHs)						J8107K	1000	2.0	10	1	PTFE + XAD-2	A707-P	PNA-2	GC/FID	10	NIOSH 5515
87-86-5	Pentachlorophenol (PCP)	0.5	mg/m3				SPECIAL	48	0.20	4	0.8	XAD-7 (2)	A717		HPLC	10	OSHA 39
460-73-1	1,1,1,3,3- Pentafluoropropane (HFC-245fa)			548	0.275	1	Badge only	NA	NA	NA	1	Charcoal	A705-1		GC/FID	6	OSHA 7
109-66-0	n- Pentane	1000	C610[a]	546	2.22	0.2	J6-009	10	0.10	2	0.6	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
107-87-9	2- Pentanone (Methyl propyl ketone)	200	250[a]	546	2.03	0.2	J6-001	10	0.10	2	0.7	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
127-18-4	Perchloroethylene (PCE)	100	C200	566	5.83	0.1	J6-001	10	0.10	2	2	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
108-95-2	Phenol	5	C15.6[n]	521	61.5	0.04						Carbon	A707		HPLC	10	SIM OSHA 32
108-95-2	Phenol	5	C15.6[n]				J6-095	24	0.10	4	5	XAD-7	A707	PH	HPLC	10	OSHA 32
101-84-8	Phenyl ether	1	2[a]	521	41.6	0.006	J6-001	10	0.10	2	0.9	Charcoal	A705	OV-B	GC/FID	6	OSHA 7
4994-16-5	4- Phenylcyclohexene (New Rug Odor)			566	5.97	0.2	J6-001	10	0.10	2	3	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
643-79-8	o- Phthalaldehyde			571	5.15	0.0006						GFF w/DNPH	A707		HPLC	6	sim OSHA 64
7664-38-2	Phosphoric Acid	1	mg/m3				J6-010-03	100	0.20	8	5	Silica, washed	A708	ACID	IC	6	NIOSH 7903
7723-14-0	Phosphorus (air or wipe)	0.1	mg/m3				JS37MCE208	1000	2.0	10	5	MCE Filter	A8100	SUB	ICP	6	OSHA 125
80-56-8	alpha- Pinene			566	6.44	0.05	Badge Only	NA	NA	NA	0.8	Charcoal	A715		GC/FID	6	OSHA 7
127-91-3	beta- Pinene			566	6.44	0.05	Badge Only	NA	NA	NA	0.8	Charcoal	A715		GC/FID	6	OSHA 7
7440-09-7	Potassium						JS37MCE208	1000	2.0	10	10	MCE Filter	A704	M1	ICP	6	OSHA ID 125
1310-58-3	Potassium Hydroxide	C2[a]	mg/m3				JS37MCE208	1000	2.0	8	20	MCE Filter	A704		ICP	6	OSHA ID 125
108-65-6	Prop. Glyc. methyl ether acetate			566	6.54	0.06	J6-001	10	0.10	2	1	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
123-38-6	Propionaldehyde	20[a]		571	7.98	0.01	J6-119	30	0.10	5	0.1	Silica w/ DNPH	A707	ALD	HPLC	10	EPA TO-11
109-60-4	n- Propyl acetate	200	250[a]	546	1.86	0.3	J6-001	10	0.10	2	1	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
71-23-8	n- Propyl alcohol	200	250[a]	546	2.43	0.6	J6-001	10	0.10	2	2	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
106-94-5	n- Propyl bromide (1-Bromopropane)	10[a]		521	56.3	0.01	J6-001	10	0.10	2	2	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
78-87-5	Propylene dichloride	75	110[a]	566	7.07	0.1	J6-001	10	0.10	2	2	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
107-98-2	Propylene glycol methyl ether	100[a]	150[a]	566	7.92	0.1	J6-001	10	0.10	2	2	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
75-56-9	Propylene oxide	100		546	2.47	0.3	J6-001	10	0.10	2	1	Charcoal	A705		GC/FID	6	OSHA 7
75-55-8	Propylenimine	2		585	8.17	0.02	Badge Only	NA	NA	NA	0.2	GFF w/ NIT	X585	AM	HPLC	6	SIM OSHA 60
110-86-1	Pyridine	5		521	60.8	0.009	J6-001	10	0.10	2	0.9	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
7782-49-2	Selenium (air or wipe)	0.2	mg/m3				JS37MCE208	1000	2.0	10	0.5	MCE Filter	A704	M1	ICP	6	OSHA ID 125
28523-86-6	Sevoflurane (ultane)	2[n] C		574	5.30	0.1	Badge only	NA	NA	NA	2	Charcoal	X574	AN	GC/FID	6	sim OSHA 103
	Silica, crystalline (XRD)	var					JS37PVCPW350 + Cycl	1000	2.5	8	40	PVC Filter	712-XRD	SUB	XRD	10	NIOSH 7500
7440-22-4	Silver (air or wipe)	0.01	mg/m3				JS37MCE208	1000	2.0	10	0.5	MCE Filter	A704	M1,W,S	ICP	6	OSHA ID 125
7440-23-5	Sodium (air or wipe)						JS37MCE208	1000	2.0	10	10	MCE Filter	A704	M1	ICP	6	OSHA ID 125
1310-73-2	Sodium Hydroxide	2	mg/m3				JS37PP210	1000	2.0	10	120	PTFE	A701		Titration	6	NIOSH 7401
8052-41-3	Stoddard solvent (Mineral Spirits)	500	350[n]	566	5.76	3	J6-001	10	0.10	2	40	Charcoal	A705-M		GC/FID	6	NIOSH 1550
NOTE:	**Hydrocarbon Mixtures collected on charcoal may be analyzed as Mineral Spirits (CAS 8052-41-3) or Naphtha (CAS 8032-32-4) if GC pattern matches one of these, or, if not, as Total Hydrocarbons (C4-C15; vs Hexane).**																
NOTE:	**Benzene, Toluene, Xylene, Ethyl Benzene, and/or Methy-t-butyl ether (but no other analytes from Group OV-A or OV-B) may be added as Extra Analytes in analysis for Total Hydrocarbons.**																
7440-24-6	Strontium (air or wipe)						JS37MCE208	1000	2.0	10	0.1	MCE Filter	A8100	SUB	ICP	6	OSHA ID 125
100-42-5	Styrene	100	C200	566	7.55	0.03	J6-001	10	0.10	2	0.5	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
	Sulfate & Sulfite (particulate)						JS37MCE208	200	1.0	2	5	MCE	A708		IC	6	NIOSH 6004
7446-09-5	Sulfur Dioxide	5	5[a]				J6-080	12	0.10	2	5	Anasorb w/KOH	A708		IC	6	OSHA ID 200
7664-93-9	Sulfuric Acid	1	mg/m3				J6-010-03	100	0.20	8	5	Silica, washed	A708	ACID	IC	6	NIOSH 7903
584-84-9	TDI(Toluene-2,4-diisocyanate)	0.005[a]	C0.02				T590-1	15	1.0	0.25	0.1	ISOCHEK	A717	ISO	HPLC	10	ASTM
584-84-9	TDI(Toluene-2,4-diisocyanate)	0.005[a]	C0.02				J5-9002 (open face)	240	1.0	4	0.1	GFF w/ 1,2PP	A717	ISO	HPLC	10	OSHA 42

*OSHA PEL/STEL unless footnoted: a=ACGIH, n=NIOSH

** ANALYTES in same TEST GROUP may be Sampled together, except SUB.

NOTE: ANALYTICAL METHOD Parameters may be modified.

ANALYTE INFORMATION				DIFFUSIVE SAMPLING			ACTIVE SAMPLING					MEDIA	LABORATORY TEST INFORMATION				
CAS No	CHEMICAL NAME of ANALYTE	OSHA PEL	Limits* STEL	Use AT Monitor	SampRate (ml/min)	DetLimit (ppm)	Media Item No.	MAX VOL (L)	RATE (typ)(L/min)	TIME (typ)(hr)	DtLmt (ug)	SUMMARY DESCRIPTION	PRICE CODE	TEST ** GROUP	TEST TYPE	STD TAT	METHOD REF
NOTES:	Diffusive Monitor Detection Limits are 8 hour TWA. For STEL OV, use Monitor 566 or 521. All 521 Sampling Rates used are with both caps removed.																
	To collect surface Wipe samples for Metals (except Cr6), request Item No. J8109K. Analytical parameters and PRICE CODE are the same as for an air sample.																
91-08-7	TDI(Toluene-2,6-diisocyanate)	0.005[a]	0.02[a]				T590-1	15	1.0	0.25	0.05	ISOCHEK	A717	ISO	HPLC	10	ASTM
91-08-7	TDI(Toluene-2,6-diisocyanate)	0.005[a]	0.02[a]				J5-9002 (open face)	15	1.0	0.25	0.05	GFF w/ 1,2PP	A717	ISO	HPLC	10	OSHA 42
76-12-0	1,1,2,2- Tetrachloro-1,2-difluoroethane	500					J6-001	8	0.10	1	1	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
109-99-9	Tetrahydrofuran(THF)	200	250[a]	546	2.22	0.3	J6-001	10	0.10	2	0.8	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
7440-28-0	Thallium (air or wipe)	0.1	mg/m3				JS37MCE208	1000	2.0	10	0.5	MCE Filter	A704	M1	ICP	6	OSHA ID 125
7440-31-5	Tin (air or wipe)	2	mg/m3				JS37MCE208	1000	2.0	10	0.5	MCE Filter	A704	M1,S	ICP	6	OSHA ID 125
7440-32-6	Titanium (air or wipe)						JS37MCE208	1000	2.0	10	0.5	MCE Filter	A8100	SUB	ICP	10	OSHA ID 125
13463-67-7	Titanium Dioxide	15	mg/m3				JS37MCE208	1000	2.0	10	0.9	MCE Filter	A8100	SUB	ICP	10	OSHA ID 125
620-23-5	m- Tolualdehyde			571	5.24	0.3	J6-119	30	0.10	5	3	Silica w/ DNPH	A707	ALD	HPLC	10	EPA TO-11
108-88-3	Toluene	200	C 300	566	7.35	0.1	J6-001	10	0.10	2	0.5	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
79-00-5	1,1,2- Trichloroethane	10		521	54.9	0.01	J6-001	10	0.10	2	2	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
71-55-6	1,1,1- Trichloroethane (methylchloroform)	350	450[a]	546	1.63	0.7	J6-001	10	0.10	2	3	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
79-01-6	Trichloroethylene (TCE)	100	C200	566	7.05	0.1	J6-001	10	0.10	2	2	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
76-13-1	1,1,2- Trichlorotrifluoroethane(CFC113)	1000	1250[a]	546	1.37	0.7	J6-001	10	0.10	2	4	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
102-71-6	Triethanolamine	5[a]	mg/m3				JS37GFF203	120	1.0	2	40	GFF	A715		GC/FID	10	AT
112-24-3	Triethylenetetramine			585	4.31	0.2	Badge only	NA	NA	NA	2.5	GFF w/ NIT	X585	AM	HPLC	10	SIM OSHA 60
95-63-6	1,2,4- Trimethylbenzene	25[a]		566	6.85	0.06	J6-001	10	0.10	2	1	Charcoal	A705	OV-C	GC/FID	6	OSHA 7
108-67-8	1,3,5- Trimethylbenzene (mesitylene)	25[a]		566	6.85	0.03	J6-001	10	0.10	2	0.5	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
1314-62-1	Vanadium (air or wipe)	C0.05[n]	mg/m3				JS37MCE208	1000	2.0	10	0.2	MCE Filter	A704	M1	ICP	6	OSHA ID 125
108-05-4	Vinyl acetate	10[a]	15[a]	566	8.11	0.07	J6-121	10	0.10	2	1	Anasorb CMS	A705	OV-A	GC/FID	6	OSHA 7
593-60-2	Vinyl bromide	0.5[a]		566	7.27	0.1	J6-001	10	0.10	2	2	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
75-01-4	Vinyl chloride	1	5	566	9.52	0.04	J6-009	4	0.05	1	1	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
25013-15-4	Vinyl toluene (methyl styrene)	100	100[a]	566	6.91	0.03	J6-001	10	0.10	2	0.5	Charcoal	A705	OV-B	GC/FID	6	OSHA 7
100-40-3	4- Vinyl-1-cyclohexene	0.1[a]		521	58.7	0.002	J6-001	10	0.10	2	0.3	Charcoal	A705		GC/FID	6	OSHA 7
75-35-4	Vinylidene chloride(1,1 DCE)	5[a]		521	72.2	0.009	J6-001	10	0.10	2	2	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
107-25-5	Vinyl methyl ether			566	10.6	0.2					3	Charcoal	A715		GC/FID	10	OSHA 7
88-12-0	n- Vinyl-2-pyrrolidinone						J6-001	10	0.10	2	3	Charcoal	A705		GC/FID	6	OSHA 7
1330-20-7	Xylenes	100	150[a]	566	6.68	0.07	J6-001	10	0.10	2	0.6	Charcoal	A705	OV-A	GC/FID	6	OSHA 7
1300-73-8	2,4- Xylidine	5					J6-010	20	0.10	3	1	Silica Tube	A715	AR	GC/FID	6	NIOSH 2002
7440-66-6	Zinc (air or wipe)						JS37MCE208	500	2.0	5	0.2	MCE Filter	A704	M1	ICP	6	OSHA ID 125
7646-85-7	Zinc chloride (as Zn)	1	mg/m3				JS37MCE208	1000	2.0	10	0.2	MCE Filter	A704	M1	ICP	6	OSHA ID 125
37300-23-5	Zinc chromate (as Cr)	C0.1	mg/m3	*as CrO3			JS37PVC250	500	2.0	5	0.05	PVC Filter	A704	M1	ICP	6	OSHA ID 125
1314-13-2	Zinc oxide(as Zn)(respir, total)	5	10	mg/m3			JS37MCE208	1000	2.0	10	0.2	MCE Filter	A704	M1,W,S	ICP	6	OSHA ID 125

*OSHA PEL/STEL unless footnoted: a=ACGIH, n=NIOSH

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