

**NOTE:** (1) Efficacy of Medical Tests has not been evaluated. (2) M

NAME OF SUBSTANCE	CAS NUMBER	SPECIFIC MEDICAL TESTS (REFERENCES IN SUPERSSCRIPT)
Acetaldehyde	00075-07-0	BL <sup>3</sup> ExA <sup>3,4</sup> U <sup>3</sup>
Acetone	00067-64-1	BL <sup>3,5</sup> BL(DE) <sup>15</sup> ExA <sup>3,4</sup> ExA(DE) <sup>15</sup> PFT <sup>2</sup> U <sup>5</sup> U(DE) <sup>15</sup> U(EOS) <sup>3,18</sup>
Acetonitrile	00075-05-8	BLC <sup>2,3,16</sup> BLP <sup>2,3</sup> ExA <sup>4</sup> U <sup>3</sup> Ua <sup>2</sup>
Acetylaminofluorene, 2-	00053-96-3	RIC <sup>1</sup> U <sup>2</sup>
Acetylene tetrabromide	00079-27-6	ExA <sup>4</sup> LFT <sup>2,7</sup>
Acrolein	00107-02-8	CXr <sup>2,7</sup> ExA <sup>4</sup> PFT <sup>2,7</sup>
Acrylamide	00079-06-1	NCS <sup>15</sup>
Acrylonitrile	00107-13-1	CXr <sup>1</sup> FOB <sup>1</sup> BLC <sup>3</sup> BLP <sup>3</sup> BLS <sup>15</sup> ExA <sup>4</sup> PFT <sup>2</sup> U <sup>3,15</sup>
Aldrin	00309-00-2	BLP <sup>3</sup> CBC <sup>2</sup> LFT <sup>2</sup> ReC <sup>2</sup> Ua <sup>7</sup>
Allyl chloride	00107-05-1	CBC <sup>2</sup> CXr <sup>2,7</sup> ExA <sup>4</sup> LFT <sup>2</sup> PFT <sup>2,7</sup> Ua <sup>2</sup>
Aluminum metal	07429-90-5	BLS <sup>9</sup> CXr <sup>7</sup> U <sup>5,9,10,17</sup>
Aminodiphenyl, 4-	00092-67-1	RIC <sup>1</sup> U <sup>2</sup>
Ammonia	07664-41-7	CXr <sup>2,7</sup> ExA <sup>4</sup> PFT <sup>2,7</sup>
Aniline	00062-53-3	BL <sup>5,7</sup> BL(COHB) <sup>4</sup> BL(DE) <sup>11</sup> BL(Hgb) <sup>7</sup> BL(MHgb) <sup>2-5,8,11,15,16</sup> BL(MHgb EOS) <sup>15</sup> CBC <sup>2</sup> ReC <sup>2</sup> U <sup>3-6,12</sup> U(EOS) <sup>2,11,15,18</sup> U(EWW) <sup>18</sup> Ua <sup>2</sup> Ua(Cyt Hmt) <sup>2,16</sup>
Anisidine (o-p-isomers)	Varies	BL(Hgb) <sup>7</sup> BL(MHgb) <sup>2,7,8,11</sup> CBC <sup>2</sup> ReC <sup>2</sup> Ua <sup>2</sup>
Antimony and compounds	Varies	BL <sup>9,17</sup> BT <sup>9</sup> CXr <sup>7</sup> PFT <sup>2,7</sup> U <sup>3-5,9,13</sup>
Arsenic, inorganic and compounds	Varies	CXr <sup>1</sup> SpC <sup>1</sup> BT <sup>6</sup> CXr <sup>7</sup> NCS <sup>14</sup> PFT <sup>2,7</sup> U <sup>3-5,9,10,12-14</sup> U(EWW) <sup>11,15,16,18</sup>
Arsine	07784-42-1	BL <sup>7,13</sup> BLP(Hgb) <sup>16</sup> LFT <sup>7</sup> PFT <sup>2</sup> ReC <sup>16</sup> U <sup>9,10</sup> U(EWW) <sup>11</sup> Ua <sup>7</sup> Ua(Hgb) <sup>16</sup> WBC <sup>16</sup>
Asbestos	Varies	CXr <sup>2</sup> PFT <sup>2</sup>
Azinphos-methyl (Guthion®)	00086-50-0	BF <sup>2</sup> BLS <sup>9</sup> CH <sup>7</sup> CH(BLS RBC) <sup>2</sup> CH(RBC) <sup>11</sup>
Barium and compounds	Varies	CXr <sup>2</sup> Ecg <sup>2</sup> PFT <sup>2</sup> U <sup>9,17</sup>
Benzene	00071-43-2	CBC <sup>1</sup> BL <sup>3,5,12</sup> BL(PNS) <sup>15</sup> ExA <sup>3-5,12</sup> ExA(EWW) <sup>18</sup> ExA(PNS) <sup>11,15</sup> ExA(PTS) <sup>18</sup> PFT <sup>2</sup> U <sup>3-5,9,10,12</sup> U(EOS) <sup>11,15,18</sup> U(PPS) <sup>17</sup> U(EWW) <sup>18</sup>
Benzidine	00092-87-5	RIC <sup>1</sup> PFT <sup>2</sup> U <sup>2,3,17</sup> Ua(Cyt[6M] Hmt[EM]) <sup>2</sup> Ua(EM) <sup>2</sup>
Benzyl chloride	00100-44-7	CXr <sup>2</sup> ExA <sup>4</sup> PFT <sup>2</sup>
Beryllium and compounds	Varies	BT <sup>9</sup> CXr <sup>2,7,16</sup> PFT <sup>2,7</sup> U <sup>3,4,10</sup> WBC(LTT) <sup>2</sup>
Bis(chloromethyl) ether	00542-88-1	RIC <sup>1</sup> PFT <sup>2</sup> SpC <sup>15</sup>
Boron trifluoride	07637-07-2	CXr <sup>2,7</sup> PFT <sup>2,7</sup> U(PPS) <sup>2</sup>
Bromine	07726-95-6	CXr <sup>2,7</sup> PFT <sup>2,7</sup>
Butoxyethanol, 2-	00111-76-2	CBC <sup>2,7</sup> RBC(Frg) <sup>2</sup>
Butyl alcohol, n-	00071-36-3	BL <sup>3</sup> ExA <sup>4</sup>
Butyl chromate, tert-	01189-85-1	CXr <sup>2</sup> U <sup>2</sup>
Butyl glycidyl ether, n-(BGE)	02426-08-6	ExA <sup>4</sup> PFT <sup>2</sup>
Butyl mercaptan, n-	00109-79-5	ExA <sup>4</sup> PFT <sup>2</sup>
Butyltoluene, p-tert-	00098-51-1	CBC <sup>2</sup> Ecg <sup>2</sup> ExA <sup>4</sup>
Cadmium dust and fume	Varies	U <sup>1</sup> BL <sup>1</sup> BL <sup>3-5,9,11,13,15,17,18</sup> BT <sup>9</sup> CXr <sup>2,4,7</sup> LFT <sup>2</sup> PFT <sup>2,7</sup> U <sup>3-5,7,9,11,13-15,18</sup> Ua <sup>7</sup> Ua(Cyt) <sup>2</sup>
Camphor, synthetic	00076-22-2	BLP <sup>3</sup> U <sup>3</sup>
Carbaryl (Sevin®)	00063-25-2	BL(EOS) <sup>15</sup> BLS <sup>9</sup> CH <sup>7</sup> CH(PPS) <sup>2,3</sup> U <sup>3-5,7</sup> U(EOS) <sup>15</sup> Ua <sup>2</sup>
Carbon black	01333-86-4	PFT <sup>2</sup>
Carbon disulfide	00075-15-0	BL <sup>3</sup> Ecg <sup>2,7</sup> ExA <sup>4</sup> LFT <sup>2,7</sup> Oph <sup>2,7</sup> U <sup>3-5</sup> U(EOS) <sup>3,11,15,18</sup> U(EWW) <sup>18</sup> Ua <sup>2,7</sup>
Carbon monoxide	00630-08-0	BL <sup>5</sup> BL(COHB) <sup>2-5,7,8,12</sup> BL(COHB EOS) <sup>11,18</sup> BL(COHB EWW) <sup>18</sup> BL(EOS) <sup>15</sup> CBC <sup>2</sup> ExA <sup>3-5</sup> ExA(EOS) <sup>11,18</sup> ExA(EWW) <sup>18</sup>
Carbon tetrachloride	00056-23-5	BL <sup>3,6</sup> ExA <sup>3,4</sup> KFT <sup>7</sup> LFT <sup>2,7</sup> Ua <sup>2,7</sup>
Chlordane	00057-74-9	BL <sup>3,15</sup> BLS <sup>9</sup> BT <sup>3</sup> Ua <sup>2,7</sup>
Chlorinated diphenyl oxide	55720-99-5	LFT <sup>2</sup>
Chlorine	07782-50-5	CXr <sup>2,7</sup> ExA <sup>8</sup> PFT <sup>2,7</sup>
Chlorine dioxide	10049-04-4	CXr <sup>2,7</sup> PFT <sup>2,7</sup>
Chlorine trifluoride	07790-91-2	CXr <sup>2,7</sup> PFT <sup>2,7</sup>
Chlorobenzene	00108-90-7	U(EOS) <sup>18</sup> U(EWW) <sup>18</sup>
Chloroform (Trichloromethane)	00067-66-3	ExA <sup>3,4</sup> LFT <sup>2,7</sup> Ua <sup>2,7</sup>
Chloromethyl methyl ether	00107-30-2	RIC <sup>1</sup> PFT <sup>2</sup> SpC <sup>15</sup>
Chloropicrin	00076-06-2	CXr <sup>2,7</sup> ExA <sup>4</sup> PFT <sup>2,7</sup>
Chloroprene, beta-	00126-99-8	CXr <sup>2,7</sup> PFT <sup>2</sup>
Chromic acid and chromates	Varies	BL <sup>17</sup> CBC <sup>2</sup> CXr <sup>2,7</sup> LFT <sup>2</sup> PFT <sup>2,7</sup> U <sup>7</sup> Ua <sup>2</sup>
Chromium, metal and compounds	Varies	BL <sup>9,12</sup> BT <sup>9</sup> CXr <sup>2,7,9</sup> PFT <sup>2</sup> U <sup>4,5,9,11-13,17</sup> U(EOS) <sup>3,15,18</sup> U(ESW) <sup>11</sup> U(EWW) <sup>15,18</sup>
Coal dust	68131-74-8	CXr <sup>7</sup> PFT <sup>7</sup>
Coal tar pitch volatiles	65996-93-2	CBC <sup>2</sup> CXr <sup>2,7</sup> PFT <sup>2,7</sup> PpT <sup>2</sup> SpC <sup>2,7</sup> Ua <sup>2</sup> Ua(Cyt Hmt) <sup>2</sup>
Cobalt metal, dust, and fume	07440-48-4	BL <sup>9,13,17</sup> BL(EOS) <sup>18</sup> BL(EWW) <sup>18</sup> BT <sup>9</sup> CXr <sup>2,7</sup> PFT <sup>2,7</sup> U <sup>4,5,9,13</sup> U(EOS) <sup>3,18</sup> U(EWW) <sup>18</sup>
Coke oven emissions	-	CXr <sup>1</sup> PFT <sup>1</sup> SpC <sup>1</sup> Ua <sup>1</sup> Ua(Cyt Hmt) <sup>1</sup>
Copper dust and mist	07440-50-8	BL <sup>4,9,17</sup> BLS <sup>9</sup> BT <sup>9</sup> U <sup>3,9,17</sup> U(24H) <sup>3</sup>
Cotton dust	-	PFT <sup>1</sup> CXr <sup>2</sup> PFT(PPS) <sup>2</sup>
Cresol, p-isomer	00106-44-5	LFT <sup>2</sup> PFT <sup>2</sup> U <sup>3,9</sup> U(PPS) <sup>17</sup>
Cumene	00098-82-8	U(L2H) <sup>3,5</sup>
Cyanide	00057-12-5	BL <sup>3,5</sup> BLC <sup>16</sup> BLP <sup>3</sup> CXr <sup>2</sup> PFT <sup>2</sup> U <sup>3,5,15</sup>
Cyclohexane	00110-82-7	BL <sup>3,5</sup> BL(DE) <sup>15</sup> ExA <sup>3-5</sup> ExA(DE) <sup>15</sup> U <sup>3,5,10</sup> U(EOS) <sup>3</sup> U(L4H) <sup>15</sup>
Cyclohexanone	00108-94-1	ExA <sup>4</sup> PFT <sup>2</sup> U <sup>5</sup>
Demeton (Systox®)	08065-48-3	CH <sup>10</sup> CH(BL BLP RBC) <sup>5,16</sup> CH(BLS RBC) <sup>2</sup> CH(RBC) <sup>7,11</sup>
Diacetone alcohol	00123-42-2	ExA <sup>4</sup> PFT <sup>2</sup>
Diazomethane	00334-88-3	CXr <sup>2,7</sup> PFT <sup>2,7</sup>
Diborane	19287-45-7	CXr <sup>2,7</sup> PFT <sup>2,7</sup>
Dibromo-3-chloropropane, 1,2- (DBCP)	00096-12-8	BLS(FSH LH SCI TE) <sup>1</sup> GUT <sup>1</sup> PFT <sup>2</sup>
Dibutyl phosphate	00107-66-4	Ecg <sup>7</sup> SpC <sup>7</sup> WBC <sup>7</sup>
Dichlorodiphenyltrichloroethane (DDT)	00050-29-3	AdT <sup>3</sup> BL <sup>12</sup> BLS <sup>3,9</sup> BT <sup>3</sup> U <sup>3,4</sup>
Dichlorophenoxyacetic acid, 2,4- (2,4-D)	00094-75-7	BLP <sup>3</sup> U <sup>3,4</sup> U(24H) <sup>12</sup>
Dichlorobenzene, p-	00106-46-7	BL(MHgb) <sup>6</sup> ExA <sup>4</sup> LFT <sup>2,7</sup> U <sup>2-5</sup>
Dichlorobenzidine, 3,3'-	00091-94-1	RIC <sup>1</sup> PFT <sup>2</sup>
Dichloro-5,5-dimethyl hydantoin, 1,3-	00118-52-5	Ecg <sup>7</sup> SpC <sup>7</sup> WBC <sup>7</sup>
Dichloroethyl ether	00111-44-4	CXr <sup>2,7</sup> ExA <sup>4</sup> PFT <sup>2,7</sup>
Dichlorvos (DDVP)	00062-73-7	BLS <sup>9</sup> CH <sup>3,10</sup> CH(BLP RBC) <sup>16</sup> CH(BLS RBC) <sup>2</sup> CH(RBC) <sup>7,11</sup> U <sup>3</sup>
Dieldrin	00060-57-1	BL <sup>3,5,15</sup> BLS <sup>9</sup> BT <sup>3</sup>
Diglycidyl ether (DGE)	02238-07-5	CBC <sup>7</sup> CXr <sup>7</sup> PFT <sup>2,7</sup>
Diisobutyl ketone	00108-83-8	PFT <sup>2</sup>
Dimethyl acetamide	00127-19-5	LFT <sup>2,7</sup> U(EOS) <sup>18</sup> U(EWW) <sup>18</sup>
Dimethyl sulfate	00077-78-1	CXr <sup>2,7</sup> LFT <sup>2,7</sup> PFT <sup>2,7</sup> Ua <sup>2,7</sup>
Dimethylaminoazobenzene, 4-	00060-11-7	RIC <sup>1</sup>
Dimethylaniline (N,N-Dimethylaniline)	00121-69-7	BL(MHgb) <sup>2,7,8,11,16</sup> CBC <sup>2,7</sup> U(Cyt Hmt) <sup>16</sup>
Dimethyl-1,2-dibromo-2,2-dichloroethyl phosphate (Naled)	00300-76-5	BLS <sup>9</sup> CH(BLP RBC) <sup>16</sup> CH(BLS RBC) <sup>2</sup> CH(RBC) <sup>7,11</sup>
Dimethylformamide (DMF)	00068-12-2	BL <sup>5</sup> ExA <sup>4,5</sup> LFT <sup>2,7</sup> U <sup>5,10,12</sup> U(24H) <sup>3</sup> U(EOS) <sup>11,15,18</sup> U(EWW) <sup>18</sup>
Dimethylhydrazine, 1,1-	00057-14-7	CBC <sup>7</sup> LFT <sup>7</sup> PFT <sup>2</sup>
Dinitrobenzene, (all isomers)	Varies	BL(EOS) <sup>15</sup> BL(MHgb) <sup>2,7,8,11,16</sup> CBC <sup>2,7</sup> LFT <sup>2,7</sup> U(Cyt Hmt) <sup>16</sup>
Dinitro-o-cresol	00534-52-1	BLW <sup>3,5</sup>
Dinitrotoluene, 2,4-	00121-14-2	BL(MHgb) <sup>2,7,8,11</sup> CBC <sup>2,7</sup> LFT <sup>2,7</sup>
Dioxane (Diethylene dioxide)	00123-91-1	BL(DE) <sup>15</sup> BLP <sup>3</sup> BUN <sup>7</sup> CXr <sup>2</sup> ExA <sup>4</sup> KFT <sup>7</sup> LFT <sup>2,7</sup> PFT <sup>2</sup> U <sup>3</sup> U(EOS) <sup>3,15</sup> Ua <sup>2</sup>
Endrin	00072-20-8	BL <sup>5</sup> BL(EOS) <sup>15</sup> BLP <sup>3</sup> BLS <sup>9</sup> U <sup>3,5</sup> U(EOS) <sup>15</sup>
Epichlorohydrin	00106-89-8	CXr <sup>2,7</sup> ExA <sup>4</sup> LFT <sup>2</sup> PFT <sup>2,7</sup> Ua <sup>2</sup>
EPN	02104-64-5	BLS <sup>9</sup> CH(BLS RBC) <sup>2</sup> CH(RBC) <sup>7,11</sup> U <sup>10</sup>
Ethyl alcohol (Ethanol)	00064-17-5	BL <sup>3,17</sup> BLS <sup>9</sup> ExA <sup>3,4</sup> U(EOS) <sup>3</sup>
Ethyl benzene	00100-41-4	BL <sup>5</sup> ExA <sup>4,5,11</sup> ExA(EWW) <sup>15</sup> ExA(PNS) <sup>15</sup> U <sup>5,9,10</sup> U(EOS) <sup>15,18</sup> U(ESW) <sup>11</sup> U(EWW) <sup>18</sup> U(L2H) <sup>3</sup>

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# MEDICAL TESTS PUBLISHED IN THE LITERATURE FOR OSHA

NIOSH references include diagnostic, screening, & other tests. (3) OSHA mandated medical tests are provided.

NAME OF SUBSTANCE	CAS NUMBER	SPECIFIC MEDICAL TESTS (REFERENCES IN SUPERScript)
Ethyl ether (Ether)	00060-29-7	BL <sup>3</sup> ExA <sup>4</sup> U <sup>3</sup>
Ethyl mercaptan	00075-08-1	ExA <sup>4</sup> PFT <sup>2</sup>
Ethylene chlorohydrin	00107-07-3	ExA <sup>4</sup> LFT <sup>2,7</sup> Ua <sup>2,7</sup>
Ethylene dibromide	00106-93-4	BUN <sup>7</sup> CXr <sup>2</sup> Ecg <sup>40</sup> ExA <sup>4</sup> LFT <sup>2,7</sup> PFT <sup>2</sup>
Ethylene dichloride	00107-06-2	ExA <sup>4</sup> LFT <sup>7</sup> PFT <sup>2</sup>
Ethylene glycol dinitrate	00628-96-6	BL <sup>3,12</sup> BL(DE) <sup>5,15</sup> CBC <sup>7</sup> Ecg <sup>7</sup> ExA(DE) <sup>5</sup> U <sup>3,12</sup>
Ethylene oxide	00075-21-8	<b>CBC</b> <sup>1</sup> BL <sup>3</sup> CBC <sup>7</sup> CXr <sup>7</sup> ExA <sup>3,4</sup> PFT <sup>2</sup>
Ethyleneimine	00151-56-4	<b>RIC</b> <sup>1</sup> CXr <sup>7</sup> ExA <sup>4</sup> PFT <sup>2</sup>
Ferrovandium dust	12604-58-9	CXr <sup>2</sup> PFT <sup>2</sup>
Fluoride, inorganic	16984-48-8	BLP <sup>3,12</sup> CXr <sup>2,7</sup> PFT <sup>2,7</sup> PXR <sup>2,7</sup> U <sup>2,5,9,10,12</sup> U(EOS) <sup>11,15,18</sup> U(EWW) <sup>15,18</sup> U(PNS) <sup>15</sup> U(PPS) <sup>7,17</sup> U(PTS) <sup>11</sup> Ua <sup>2</sup>
Fluorine	07782-41-4	CXr <sup>2,7</sup> PFT <sup>2,7</sup>
Formaldehyde	00050-00-0	<b>PFT</b> <sup>1</sup> BL <sup>3,9</sup> CXr <sup>7</sup> PFT <sup>7</sup> PFT(PPS) <sup>2</sup> U <sup>3,9</sup>
Furfural	00098-01-1	U(EOS) <sup>18</sup>
Furfuryl alcohol	00098-00-0	ExA <sup>4</sup> PFT <sup>2</sup>
Graphite, natural	07782-42-5	CXr <sup>2,7</sup> PFT <sup>2,7</sup>
Hexachloronaphthalene (Halowax 1014)	01335-87-1	LFT <sup>2,7</sup>
Hexane, n-	00110-54-3	BL <sup>3,5</sup> ExA <sup>3,5,11</sup> ExA(DE) <sup>15</sup> U <sup>3,5,10</sup> U(EOS) <sup>3,11,15,18</sup> U(EWW) <sup>18</sup>
Hydrazine	00302-01-2	CXr <sup>7</sup> PFT <sup>2,7</sup>
Hydrogen chloride (Hydrochloric acid)	07647-01-0	CXr <sup>2,7</sup> PFT <sup>2,7</sup>
Hydrogen cyanide (Hydrocyanic acid)	00074-90-8	BL(COHB) <sup>4</sup> Ecg <sup>40</sup> ExA <sup>4</sup>
Hydrogen fluoride (Hydrofluoric acid)	07664-39-3	CXr <sup>2,7</sup> KFT <sup>6</sup> PFT <sup>2,7</sup> PXR <sup>2,7</sup> U <sup>2,10</sup> U(PPS) <sup>7</sup> Ua <sup>2</sup>
Hydrogen sulfide	07783-06-4	BL <sup>3</sup> BL(COHB) <sup>4</sup> BLP <sup>3</sup> CXr <sup>2,7</sup> PFT <sup>2,7</sup>
Hydroquinone	00123-31-9	Oph <sup>7</sup> PFT <sup>2</sup>
Iodine	07553-56-2	CXr <sup>2,7</sup> PFT <sup>2,7</sup>
Iron oxide fume	01309-37-1	BL <sup>9,17</sup> BT <sup>9</sup> CXr <sup>2,7</sup> PFT <sup>2,7</sup> U <sup>9,17</sup>
Isophorone	00078-59-1	CXr <sup>2</sup> PFT <sup>2</sup>
Isopropyl alcohol (Isopropanol)	00067-63-0	BL <sup>3</sup> ExA <sup>3,4</sup> U <sup>3</sup>
Isopropyl glycidyl ether (IGE)	04016-14-2	PFT <sup>2</sup>
Ketene	00463-51-4	CXr <sup>2,7</sup> PFT <sup>2,7</sup>
Lead, inorganic	07439-92-1	<b>BLL</b> <sup>1</sup> <b>BUN</b> <sup>1</sup> <b>Hgb</b> <sup>1</sup> <b>SCR</b> <sup>1</sup> <b>U</b> <sup>1</sup> <b>ZPP</b> <sup>1</sup> BL <sup>3,5,9,11-13,15-17</sup> <b>BLL</b> <sup>2,7,14,16,18</sup> <b>BT</b> <sup>9</sup> <b>CBC</b> <sup>2,7</sup> <b>RBC</b> <sup>2,5</sup> <b>RBC(ZPP)</b> <sup>2</sup> U <sup>3,5,9,11-17</sup> U(EOS) <sup>17</sup> Ua <sup>7</sup> ZPP <sup>2,13</sup> ZPP(1M) <sup>2,11,15,16</sup>
Lindane	00058-89-9	BL <sup>2,3,5,7,12</sup> BLS <sup>3,15</sup> CBC <sup>2,7</sup> U <sup>4</sup>
Lithium hydride	07580-67-8	BL <sup>2,9,17</sup> BLS <sup>3</sup> BT <sup>9</sup> U <sup>3</sup>
Magnesium oxide fume	01309-48-4	BL <sup>17</sup>
Malathion	00121-75-5	BLS <sup>9</sup> CH <sup>3,10</sup> CH(BLS RBC) <sup>2</sup> CH(RBC) <sup>7,11</sup> CXr <sup>2</sup> LFT <sup>2</sup> PFT <sup>2</sup> U <sup>3,4</sup>
Manganese and compounds	Varies	BL <sup>9,13,17</sup> BT <sup>9</sup> <b>CBC</b> <sup>2</sup> CXr <sup>2</sup> <b>Neur</b> <sup>6</sup> PFT <sup>2</sup> U <sup>2,4,9,13,17</sup> Ua <sup>2</sup>
Mercury, inorganic and compounds	Varies	BL <sup>3,5,12,14,16</sup> BL(EOS) <sup>18</sup> BL(ESW) <sup>11</sup> BL(EWW) <sup>18</sup> BT <sup>9</sup> BUN <sup>7</sup> NCS <sup>14,16</sup> TFT <sup>7</sup> U <sup>2,5,7,9,10,12-15</sup> Ua <sup>2,7</sup> U(PTS) <sup>11,18</sup>
Mercury, organo alkyl compounds	Varies	BL <sup>2,3,7,9</sup> Emg <sup>7</sup> U <sup>7,9</sup> Ua <sup>2,7</sup>
Methyl alcohol (Methanol)	00067-56-1	BL <sup>3,16</sup> BLP <sup>16</sup> ExA <sup>3,4</sup> LFT <sup>2</sup> U <sup>3,5,7,10,16</sup> U(EOS) <sup>11,15,18</sup> U(EWW) <sup>15</sup> U(PNS) <sup>15</sup> U(PWW) <sup>11</sup>
Methyl n-amyl ketone	00110-43-0	PFT <sup>2</sup>
Methyl bromide	00074-83-9	BL <sup>15,16</sup> BLS <sup>3</sup> BUN <sup>7</sup> CXr <sup>2</sup> ExA <sup>4</sup> PFT <sup>2</sup>
Methyl n-butyl ketone (MBK)	00591-78-6	BL <sup>3</sup> Emg <sup>7</sup> ExA <sup>3</sup> PFT <sup>2</sup> U(EWW) <sup>5</sup>
Methyl cellosolve	00109-86-4	CBC <sup>2,7</sup> U <sup>4,9</sup>
Methyl chloride	00074-87-3	BL <sup>3</sup> ExA <sup>3,4</sup>
Methyl chloroform	00071-55-6	BL <sup>3,5,10,12</sup> BL(EOS) <sup>15,18</sup> BL(ESW) <sup>11</sup> BL(EWW) <sup>10,15,18</sup> ExA <sup>3,4,10,12</sup> ExA(16H) <sup>5</sup> ExA(EWW) <sup>10,15,18</sup> ExA(PNS) <sup>15</sup> ExA(PTS) <sup>18</sup> ExA(PWW) <sup>11</sup> LFT <sup>7</sup> U <sup>3,5,12</sup> U(EOS) <sup>15,18</sup> U(ESW) <sup>11</sup> U(EWW) <sup>5,11,15,18</sup>
Methyl ethyl ketone (MEK)	00078-93-3	BL <sup>3,9,10,17</sup> ExA <sup>3,4,10</sup> PFT <sup>2</sup> U <sup>3,5,10</sup> U(EOS) <sup>3,11,15,16,18</sup>
Methyl hydrazine	00060-34-4	BL(MHgb) <sup>16</sup> PFT <sup>2</sup> U <sup>16</sup> U(Cyt Hmt) <sup>16</sup>
Methyl isobutyl ketone (MIBK)	00108-10-1	ExA <sup>4</sup> PFT <sup>2</sup> U <sup>5</sup> U(EOS) <sup>11,16</sup> U(EWW) <sup>18</sup>
Methyl isocyanate	00624-83-9	CXr <sup>2,7</sup> PFT <sup>2,7</sup>
Methyl mercaptan	00074-93-1	CXr <sup>7</sup> ExA <sup>4</sup> PFT <sup>2,7</sup>
Methyl propyl ketone	00107-87-9	CXr <sup>2</sup> PFT <sup>2</sup>
Methylene bisphenyl isocyanate (MDI)	00101-68-8	CXr <sup>2,7</sup> PFT <sup>2,7</sup>
Methylene chloride	00075-09-2	BL <sup>3,5</sup> BL(COHB) <sup>2,5,16</sup> BL(COHB EOS) <sup>15</sup> BL(COHB PNS) <sup>15</sup> BL(EOS) <sup>15</sup> <b>CBC</b> <sup>2,7</sup> ExA <sup>3-5,16</sup> ExA(EOS) <sup>15</sup> LFT <sup>2</sup> U <sup>4,16</sup>
Methylene dianiline, 4,4'-	00101-77-9	<b>LFT</b> <sup>1</sup> U <sup>16</sup>
Mica	12001-26-2	CXr <sup>2,7</sup> PFT <sup>2,7</sup>
Molybdenum and compounds	Varies	BL <sup>4,9,17</sup> BT <sup>9</sup> U <sup>4,9,17</sup>
Monomethyl aniline	00100-61-8	BL <sup>7</sup> BL(MHgb) <sup>2,7,8,11,16</sup> CBC <sup>2,7</sup> U <sup>7</sup> U(Cyt Hmt) <sup>16</sup> Ua <sup>7</sup>
Naphthalene	00091-20-3	BL <sup>7</sup> BLP(Hgb) <sup>7</sup> <b>CBC</b> <sup>2,7</sup> LFT <sup>7</sup> RBC(Hem) <sup>2</sup> U <sup>7</sup> Ua <sup>2</sup> WBC <sup>7</sup>
Naphthylamine, alpha-	00134-32-7	<b>RIC</b> <sup>1</sup> Ua <sup>7</sup> Cys <sup>7</sup>
Naphthylamine, beta-	00091-59-8	<b>RIC</b> <sup>1</sup> Ua <sup>7</sup> Cys <sup>7</sup>
Nickel carbonyl	13463-39-3	BLP <sup>3</sup> CXr <sup>2,7</sup> ExA <sup>3,9</sup> PFT <sup>2,7</sup> SpC <sup>2</sup> U <sup>3,7,12,16,17</sup> Ua <sup>2</sup>
Nickel, metal and compounds	Varies	BLP <sup>3,9,12</sup> BLP(EOS) <sup>15</sup> BLS <sup>13,16</sup> BT <sup>9</sup> CXr <sup>2,7</sup> PFT <sup>2</sup> PPS <sup>2,13</sup> U <sup>3,5,9,12,13,16,17</sup> U(EOS) <sup>3,15</sup>
Nicotine	00054-11-5	BLP <sup>3</sup> BUN <sup>7</sup> U <sup>3</sup>
Nitric acid	07697-37-2	CXr <sup>2,7</sup> PFT <sup>2,7</sup>
Nitric oxide	10102-43-9	CXr <sup>2,7</sup> Ecg <sup>40</sup> ExA <sup>4</sup> PFT <sup>2,7</sup>
Nitroaniline, p-	00100-01-6	BL <sup>7</sup> BL(MHgb) <sup>2,7,8,11,16</sup> CBC <sup>2,7</sup> LFT <sup>2,7</sup> U <sup>16</sup> U(Cyt Hmt) <sup>16</sup>
Nitrobenzene	00098-95-3	BL <sup>7</sup> BL(COHB) <sup>4,11</sup> BL(EOS) <sup>15</sup> BL(MHgb) <sup>2,3,5,7,8,11,16</sup> CBC <sup>2,7</sup> U <sup>2,3,5,7</sup> U(EOS) <sup>15,18</sup> U(ESW) <sup>11</sup> U(EWW) <sup>3,12,18</sup>
Nitrophenyl, 4-	00092-93-3	<b>RIC</b> <sup>1</sup> U <sup>2</sup>
Nitrochlorobenzene, p-	00100-00-5	BL(MHgb) <sup>2,7,8,11,16</sup> CBC <sup>2,7</sup> U <sup>16</sup> U(Cyt Hmt) <sup>16</sup>
Nitrogen dioxide	10102-44-0	CXr <sup>2,7</sup> Ecg <sup>40</sup> ExA <sup>4</sup> PFT <sup>2,7</sup>
Nitrogen trifluoride	07783-54-2	BL <sup>7</sup> BL(MHgb) <sup>2,7,8,11</sup> CBC <sup>2,7</sup>
Nitropropane, 2-	00079-46-9	CXr <sup>2</sup> LFT <sup>7</sup> PFT <sup>2</sup> WBC <sup>7</sup>
Nitrosodimethylamine, N-	00062-75-9	<b>RIC</b> <sup>1</sup> LFT <sup>7</sup> PFT <sup>2</sup>
Nitrotoluene (all isomers)	Varies	BL <sup>7</sup> BL(MHgb) <sup>2,7,8,11,16</sup> CBC <sup>2,7</sup> U <sup>7,16</sup> U(Cyt Hmt) <sup>16</sup>
Octachloronaphthalene	02234-13-1	LFT <sup>2,7</sup>
Oxalic acid	00144-62-7	BUN <sup>7</sup> U <sup>3</sup>
Oxygen difluoride	07783-41-7	CXr <sup>2,7</sup> PFT <sup>2,7</sup>
Ozone	10028-15-6	BL(PMN) <sup>16</sup> CXr <sup>2,7</sup> PFT <sup>2,7,16</sup>
Paraquat	04685-14-7	CXr <sup>2,7</sup> LFT <sup>2</sup> PFT <sup>2,7</sup> U <sup>3</sup> Ua <sup>2</sup>
Parathion	00056-38-2	BLS <sup>3,9</sup> CH <sup>3,7,10,15</sup> CH(BLP) <sup>16</sup> CH(BLP RBC) <sup>16</sup> CH(BLS RBC) <sup>2</sup> CH(RBC) <sup>7,11</sup> U <sup>3-5,10</sup> U(EOS) <sup>11,15,18</sup> U(EWW) <sup>18</sup>
Pentachloronaphthalene	01321-64-8	LFT <sup>2,7</sup>
Pentachlorophenol	00087-86-5	BL <sup>3,17</sup> BLP <sup>3,5</sup> BLP(EOS) <sup>11,16</sup> BLS <sup>9</sup> U <sup>2-5,7,9</sup> U(EWW) <sup>17,18</sup> U(PTS) <sup>18</sup> U(PWW) <sup>11</sup>
Perchloroethylene (Tetrachloroethylene)	00127-18-4	BL <sup>3,12,16</sup> BL(16H) <sup>5</sup> BL(EWW) <sup>15,18</sup> BL(PNS) <sup>15</sup> BL(PTS) <sup>18</sup> BL(PWW) <sup>11</sup> ExA <sup>3,4,10,12,16</sup> ExA(16H) <sup>5</sup> ExA(DE) <sup>5</sup> ExA(EOS) <sup>6,15</sup> ExA(EWW) <sup>15,18</sup> ExA(PNS) <sup>15</sup> ExA(PTS) <sup>18</sup> ExA(PWW) <sup>11</sup> LFT <sup>2,7</sup> U <sup>2,3,16</sup> U(16H) <sup>5,11</sup> U(EOS) <sup>15,18</sup> U(EWW) <sup>5,11,18</sup> Ua <sup>2</sup>
Perchloromethyl mercaptan	00594-42-3	CXr <sup>2,7</sup> LFT <sup>2</sup> PFT <sup>2,7</sup> Ua <sup>2</sup>
Perchloryl fluoride	07616-94-6	BL <sup>7</sup> BL(MHgb) <sup>2,7,8,11,16</sup> CBC <sup>2,7</sup> CXr <sup>2,7</sup> PFT <sup>2,7</sup> U <sup>16</sup> U(Cyt Hmt) <sup>16</sup>
Phenol	00108-95-2	LFT <sup>2,7</sup> U <sup>2,3,5,7,9,12</sup> U(L2H) <sup>3,15</sup> U(EOS) <sup>11,15,18</sup> U(PPS) <sup>17</sup> Ua <sup>2,7</sup>
Phenyl glycidyl ether (PGE)	00122-60-1	PFT <sup>2</sup>
Phenyldiazine	00100-63-0	BL <sup>7</sup> BLP(Hgb) <sup>7</sup> CBC <sup>7</sup> LFT <sup>7</sup> PFT <sup>2</sup> U <sup>7</sup> Ua <sup>7</sup>
Phosdrin (Mevinphos®)	07786-34-7	BLS <sup>9</sup> CH <sup>7</sup> CH(BLS RBC) <sup>2</sup> CH(RBC) <sup>11</sup>
Phosgene (Carbonyl chloride)	00075-44-5	BGa <sup>16</sup> CXr <sup>2,7</sup> Ecg <sup>16</sup> ExA <sup>4</sup> PFT <sup>2,7</sup> SpC <sup>16</sup> WBC <sup>16</sup>

Conta



# OSHA REGULATED SUBSTANCES

ed in RED ink & listed separately. (4) Only OSHA-regulated substances with published medical tests are included.

NAME OF SUBSTANCE	CAS NUMBER	SPECIFIC MEDICAL TESTS (REFERENCES IN SUPERScript)	GLOSSARY OF TERMS USED IN TABLE
Phosphine	07803-51-2	CXr <sup>7</sup> PFT <sup>7</sup>	1M = After 1 month exposure
Phosphorus (Yellow)	07723-14-0	CBC(Anm) <sup>2</sup> DXr <sup>2,6,7</sup> KFT <sup>6</sup> LFT <sup>2,7</sup>	2D = After 2 days exposure
Phosphorus pentachloride	10026-13-8	CXr <sup>2,7</sup> PFT <sup>2,7</sup>	6M = Every 6 months
Phosphorus pentasulfide	01314-80-3	CXr <sup>2,7</sup> PFT <sup>2,7</sup>	16H = 16 hours after end of exposure
Phosphorus trichloride	07719-12-2	CXr <sup>2,7</sup> PFT <sup>2,7</sup>	24H = 24-Hour Collection
Phthalic anhydride	00085-44-9	CXr <sup>7</sup> PFT <sup>7</sup> U <sup>5</sup>	AdT = Adipose Tissue
Picric acid	00088-89-1	BUN <sup>7</sup> LFT <sup>2,7</sup> Ua <sup>2</sup>	Anm = Anemia
Pindone (2-pivalyl-1,3-indandione)	00083-26-1	BL <sup>7</sup> BLP(PTT) <sup>2,7</sup> CBC <sup>7</sup> Ua(RBC) <sup>7</sup>	ApA = Aplastic Anemia
Platinum, metal, and compounds	Varies	BL <sup>9,17</sup> BT <sup>9</sup> U <sup>9,17</sup>	Aph = Alkaline Phosphatase
Polychlorobiphenyl (42% Chlorine) (PCB)	53469-21-9	AdT <sup>3</sup> BL <sup>3,15</sup> BLP <sup>3</sup> BLS <sup>9,17</sup> LFT <sup>2,7</sup>	BF = Body Fluid (chemical/metabolite)
Polychlorodiphenyl (54% Chlorine) (PCB)	11097-69-1	AdT <sup>3</sup> BL <sup>3,15</sup> BLP <sup>3</sup> BLS <sup>9,17</sup> LFT <sup>2,7</sup>	BGa = Blood Gas Analysis
Portland Cement	65997-15-1	CXr <sup>2,7</sup> PFT <sup>2,7</sup>	BH/N = Body Hair/Nail
Propiolactone, beta-	00057-57-8	RIC <sup>1</sup> PFT <sup>2</sup>	BL = Whole Blood (chemical/metabolite)
Propyl nitrate, n-	00627-13-4	BL <sup>7</sup> BL(MHgb) <sup>2,8,11,16</sup> CBC <sup>2,7</sup> Ua <sup>7</sup> Ua(Cyt Hmt) <sup>16</sup>	BLC = Blood Cyanide
Propyleneimine	00075-55-8	BL <sup>7</sup> CBC <sup>7</sup> CBC(GL) <sup>2</sup>	BLL = Blood Lead
Pyridine	00110-86-1	ExA <sup>4</sup> LFT <sup>2</sup> Ua <sup>2</sup>	BLM = Metabolite in Blood
Quinone	00106-51-4	Oph <sup>2,7</sup>	BLP = Blood Plasma
Selenium compounds, except SeF <sub>6</sub>	Varies	BH <sup>3</sup> BL <sup>7,9,13</sup> BLP <sup>15</sup> LFT <sup>2</sup> U <sup>3,7,9,15</sup> U(24H) <sup>13</sup> WBC <sup>7</sup>	BLS = Blood Serum
Selenium hexafluoride (SeF <sub>6</sub> )	07783-79-1	CXr <sup>2,7</sup> PFT <sup>2,7</sup>	BLW = Blood Analyzed Weekly
Silica, amorphous, diatomaceous earth	61790-53-2	CXr <sup>2,7</sup> PFT <sup>2,7</sup> Rdg <sup>7</sup> SpC <sup>7</sup> TBS <sup>7</sup>	BMU = Biologic Monitoring of Urine every 3 mos.
Silica, crystalline cristobalite	14464-46-1	CXr <sup>2,7</sup> PFT <sup>2,7</sup> Rdg <sup>7</sup> SpC <sup>7</sup> TBS <sup>7</sup>	Br = Bilirubin
Silicates--Soapstone	-	CXr <sup>2,7</sup> PFT <sup>2,7</sup>	BT = Biologic Tissue/Biopsy
Silicates--Talc (without asbestos)	14807-96-6	CXr <sup>2,7</sup> PFT <sup>2,7</sup> Rdg <sup>7</sup> SpC <sup>7</sup> TBS <sup>7</sup>	BUN = Blood Urea Nitrogen
Silver, metal and compounds	Varies	BL <sup>9,17</sup> BT <sup>9</sup> Pgm <sup>2</sup> U <sup>9,17</sup>	CBC = Complete Blood Count
Sodium fluoroacetate	00062-74-8	Ecg <sup>2,7</sup> Ua <sup>2,7</sup>	CH = Blood Cholinesterase
Sodium hydroxide	01310-73-2	CXr <sup>2</sup> PFT <sup>2</sup>	CXr = Chest X-ray
Stibine	07803-52-3	BL <sup>7</sup> BLP(Hgb) <sup>7</sup> CBC <sup>7</sup> LFT <sup>2,7</sup> RBC(Hem) <sup>2</sup> U <sup>7</sup> Ua <sup>2,7</sup> WBC <sup>7</sup>	Cnv = Convulsions
Stoddard solvent	08052-41-3	CBC <sup>2</sup> ExA <sup>4</sup> LFT <sup>2</sup> Ua <sup>2</sup>	COHb = Carboxyhemoglobin
Strychnine	00057-24-9	BUN <sup>7</sup> Cnv <sup>2,7,16</sup>	Cyt = Cytology
Styrene	00100-42-5	BL(16H) <sup>5</sup> BL(EOS) <sup>11,15,16</sup> BL(EWW) <sup>18</sup> BL(PNS) <sup>11,15</sup> BL(PTS) <sup>18</sup> ExA <sup>4,5,9,12</sup> ExA(DE) <sup>15</sup> ExA(PNS) <sup>15</sup> Neur <sup>7</sup> U <sup>3,5,7,9,10,12</sup> U(EOS) <sup>10,11,15,18</sup> U(EWW) <sup>18</sup> U(PNS) <sup>11</sup> U(PTS) <sup>18</sup>	DE = During exposure
Sulfur dioxide	07446-09-5	CXr <sup>2,7</sup> ExA <sup>4</sup> PFT <sup>2,7</sup>	DXr = Dental X-ray
Sulfur monochloride	10025-67-9	CXr <sup>2</sup> PFT <sup>2</sup>	Ecg = Electrocardiogram
Sulfur pentafluoride	05714-22-7	CXr <sup>2,7</sup> PFT <sup>2,7</sup>	Ecg40 = Electrocardiogram on Workers over 40 yrs
Sulfuric acid	07664-93-9	CXr <sup>2,7</sup> PFT <sup>2,7</sup>	End-Of-Shift = End-Of-Shift
Sulfotep (TEDP)	03689-24-5	BLS <sup>9</sup> CH <sup>7</sup> CH(BLS RBC) <sup>2</sup> CH(RBC) <sup>11</sup>	Emg = Electromyogram
Tellurium hexafluoride	07783-80-4	CXr <sup>7</sup> PFT <sup>7</sup> U <sup>6</sup>	ESW = End of Shift at End of Workweek
Tetraethyl pyrophosphate (TEPP)	00107-49-3	BLS <sup>9</sup> CH <sup>7</sup> CH(BLP RBC) <sup>16</sup> CH(BLS RBC) <sup>2</sup> CH(RBC) <sup>7,11</sup>	EWW = End of workweek
Tetrachloroethane, 1,1,2,2-	00079-34-5	BUN <sup>7</sup> LFT <sup>2,7</sup> Ua <sup>2,7</sup>	ExA = Expired Air
Tetrachloronaphthalene	01335-88-2	LFT <sup>2,7</sup>	FOB = Fecal Occult Blood Screening
Tetraethyl lead	00078-00-2	BL <sup>3</sup> BMU <sup>2,7</sup> U <sup>3,7,16</sup> U(EOS) <sup>4</sup> Ua <sup>2,7</sup>	Frg = Fragility
Tetramethyl lead	00075-74-1	BMU <sup>2,7</sup> U <sup>7</sup> U(EOS) <sup>4</sup> Ua <sup>2,7</sup>	FSH = Follicle Stimulating Hormone
Tetranitromethane	00509-14-8	BL <sup>7</sup> BL(MHgb) <sup>2,7,8,11</sup> CBC <sup>2,7</sup> CXr <sup>2,7</sup> PFT <sup>2,7</sup>	GGT = Gamma Glutamyl Transpeptidase
Tetyl	00479-45-8	CBC <sup>7</sup> CBC(Anm) <sup>2</sup> LFT <sup>7</sup>	GL = Granulocytic Leukemia
Thallium and compounds	Varies	BH <sup>7</sup> BL <sup>3,9,17</sup> BT <sup>9</sup> NCS <sup>15</sup> U <sup>3,4,7,15,16</sup> Ua <sup>2,7</sup>	Glau = Glaucoma
Tin, inorganic compounds (exc oxide)	Varies	BL <sup>13</sup> CXr <sup>15</sup> U <sup>3,9,17</sup>	GraS = Granuloma of the Skin
Tin, organic compounds	Varies	Ecg40 <sup>2,15</sup> Glau <sup>2</sup> KFT <sup>15</sup> LFT <sup>2,7,15</sup> RBC(Hem) <sup>2</sup> U <sup>2,3,15</sup>	GUT = Genito-Urinary Tract
Toluene	00108-88-3	BL <sup>3,5,9,10,15,17</sup> BL(EOS) <sup>11,15,18</sup> BL(EWW) <sup>18</sup> ExA <sup>3,5,9,11</sup> ExA(DE) <sup>9,15</sup> U <sup>2-5,7,9</sup> U(EOS) <sup>10,11,15,18</sup> U(EOS 2D) <sup>17</sup> U(L2H) <sup>15</sup> Ua <sup>2,7</sup>	Hem = RBC Hemolysis
Toluene-2,4-diisocyanate (TDI)	00584-84-9	CXr <sup>2,7</sup> PFT <sup>7</sup> PFT(PPS) <sup>2</sup>	HemD = Hematopoietic Depression
Toluidine, o-	00095-53-4	BL <sup>7</sup> BL(MHgb) <sup>2,8,11,15</sup> CBC <sup>2</sup> Ua <sup>2</sup>	Hgb = Hemoglobin
Trichloroethane, 1,1,2-	00079-00-5	ExA <sup>4</sup>	Hmt = Hematuria
Trichloroethylene	00079-01-6	BL <sup>3,12</sup> BL(EOS) <sup>15,18</sup> BL(ESW) <sup>11</sup> BL(EWW) <sup>15,18</sup> BLP <sup>5</sup> ExA <sup>3-5,7,11,12</sup> ExA(EWW) <sup>15</sup> ExA(PNS) <sup>15</sup> PFT <sup>2</sup> U <sup>3-5,12</sup> U(EOS) <sup>15,16</sup> U(ESW) <sup>11</sup> U(EWW) <sup>11,15,18</sup>	Hyt = Hypoprothrombinemia
Trichloronaphthalene	01321-65-9	LFT <sup>2,7</sup>	KFT = Kidney Function Tests
Trinitrotoluene, 2,4,6- (TNT)	00118-96-7	BL <sup>7</sup> BL(MHgb) <sup>15</sup> CBC <sup>7</sup> CBC(ApA) <sup>2</sup> LFT <sup>2,7</sup> Ua <sup>2</sup>	L2H = Last 2 hours of 8-hour exposure
Trichlorophenoxyacetic acid (2,4,5-T)	00093-76-5	BLP <sup>3</sup> U <sup>3,4</sup> U(24H) <sup>12</sup>	L4H = Last 4 hours of 8-hour exposure
Trichloropropane, 1,2,3-	00096-18-4	ExA <sup>4</sup>	LDH = Lactic Dehydrogenase
Uranium and compounds	07440-61-1	BL <sup>7</sup> CBC <sup>2,7</sup> CXr <sup>2,7</sup> U <sup>2-4,7,9</sup> Ua <sup>2,7</sup>	LFT = Liver Function Tests
Vanadium fume (pentoxide)	01314-62-1	BL <sup>17</sup> CXr <sup>2,7</sup> PFT <sup>2,7</sup> U <sup>3,5,7,15,16</sup> U(EOS) <sup>18</sup> U(EWW) <sup>18</sup>	LH = Luteinizing Hormone
Vinyl chloride	00075-01-4	APH <sup>1</sup> Br <sup>1</sup> GGT <sup>1</sup> SGOT <sup>1</sup> SGPT <sup>1</sup> APH <sup>9</sup> Br <sup>7</sup> CXr <sup>7</sup> ExA <sup>3,4</sup> GGT <sup>7</sup> LDH <sup>7</sup> LFT <sup>15</sup> PFT <sup>2,7</sup> SGOT <sup>7</sup> SGPT <sup>7</sup> U <sup>3,15</sup> Ua <sup>7</sup> Usg <sup>9</sup>	LTT = Lymphocyte Transformation Test
Warfarin	00081-81-2	BL <sup>7</sup> BLP <sup>3</sup> BLP(Hyt) <sup>2</sup> BLP(PTT) <sup>2,7,12</sup> CBC <sup>7</sup> Ua(RBC) <sup>2,7</sup>	MHgb = Methemoglobin
Xylene, all isomers	Varies	BL <sup>3,7,12</sup> BL(DE) <sup>5</sup> BL(EOS) <sup>15</sup> CBC <sup>7</sup> CBC(HeD) <sup>2</sup> ExA <sup>3,4,10</sup> LFT <sup>2,7</sup> U <sup>3,5,9,10,12</sup> U(EOS) <sup>11,15,18</sup> U(EOS 2D) <sup>17</sup> U(EWW) <sup>18</sup> U(L2H) <sup>15</sup> Ua <sup>2,7</sup>	NCS = Nerve Conduction Studies
Xylidine	01300-73-8	BL <sup>7</sup> BL(MHgb) <sup>2,8,11</sup> CBC <sup>2,7</sup>	Neur = Neurologic Examination
Zinc chloride fume	07646-85-7	BL <sup>9,17</sup> BT <sup>9</sup> CXr <sup>2,7</sup> PFT <sup>2,7</sup> U <sup>2,3,7,9,15</sup>	Oph = Ophthalmic Examination
Zinc oxide fume	01314-13-2	BL <sup>3,17</sup> BT <sup>9</sup> CXr <sup>2</sup> PFT <sup>2</sup> U <sup>2,3,7,9,15</sup> WBC <sup>7</sup>	PFT = Pulmonary Function Tests
Zirconium and compounds, except ZrCl <sub>4</sub>	Varies	BL <sup>9,17</sup> BT <sup>9</sup> (GraS) <sup>2</sup>	Pgm = Pigmentation evidence

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1M	=	After 1 month exposure
2D	=	After 2 days exposure
6M	=	Every 6 months
16H	=	16 hours after end of exposure
24H	=	24-Hour Collection
AdT	=	Adipose Tissue
Anm	=	Anemia
ApA	=	Aplastic Anemia
Aph	=	Alkaline Phosphatase
BF	=	Body Fluid (chemical/metabolite)
BGa	=	Blood Gas Analysis
BH/N	=	Body Hair/Nail
BL	=	Whole Blood (chemical/metabolite)
BLC	=	Blood Cyanide
BLL	=	Blood Lead
BLM	=	Metabolite in Blood
BLP	=	Blood Plasma
BLS	=	Blood Serum
BLW	=	Blood Analyzed Weekly
BMU	=	Biologic Monitoring of Urine every 3 mos.
Br	=	Bilirubin
BT	=	Biologic Tissue/Biopsy
BUN	=	Blood Urea Nitrogen
CBC	=	Complete Blood Count
CH	=	Blood Cholinesterase
CXr	=	Chest X-ray
Cnv	=	Convulsions
COHb	=	Carboxyhemoglobin
Cyt	=	Cytology
DE	=	During exposure
DXr	=	Dental X-ray
Ecg	=	Electrocardiogram
Ecg40	=	Electrocardiogram on Workers over 40 yrs
End-Of-Shift	=	End-Of-Shift
Emg	=	Electromyogram
ESW	=	End of Shift at End of Workweek
EWW	=	End of workweek
ExA	=	Expired Air
FOB	=	Fecal Occult Blood Screening
Frg	=	Fragility
FSH	=	Follicle Stimulating Hormone
GGT	=	Gamma Glutamyl Transpeptidase
GL	=	Granulocytic Leukemia
Glau	=	Glaucoma
GraS	=	Granuloma of the Skin
GUT	=	Genito-Urinary Tract
Hem	=	RBC Hemolysis
HemD	=	Hematopoietic Depression
Hgb	=	Hemoglobin
Hmt	=	Hematuria
Hyt	=	Hypoprothrombinemia
KFT	=	Kidney Function Tests
L2H	=	Last 2 hours of 8-hour exposure
L4H	=	Last 4 hours of 8-hour exposure
LDH	=	Lactic Dehydrogenase
LFT	=	Liver Function Tests
LH	=	Luteinizing Hormone
LTT	=	Lymphocyte Transformation Test
MHgb	=	Methemoglobin
NCS	=	Nerve Conduction Studies
Neur	=	Neurologic Examination
Oph	=	Ophthalmic Examination
PFT	=	Pulmonary Function Tests
Pgm	=	Pigmentation evidence
PMN	=	Polymorphonuclear leukocytes
PNS	=	Prior to next shift
PPS	=	Pre- & Post-Shift
PpT	=	Photopatch Testing
PTS	=	Prior to shift
PTT	=	Prothrombin Time
PWW	=	Prior to last shift of workweek
PXr	=	Pelvic X-ray
RBC	=	Red Blood Cells
Rdg	=	Radiography
ReC	=	Reticulocyte Count
Ria	=	Radioimmunoassay
RIC	=	Reduced Immunologic Competence
SCr	=	Serum Creatinine
SCt	=	Sperm Count
SGOT	=	Serum Glutamic Oxalacetic Transaminase
SGPT	=	Serum Glutamic Pyruvic Transaminase
SpC	=	Sputum Cytology
TBS	=	Tuberculin Skin Test
TE	=	Total Estrogen (females)
TFT	=	Thyroid Function Test
U	=	Urine (chemical/metabolite)
Ua	=	Urinalysis (routine)
Usg	=	Ultrasonography of the Liver
WBC	=	White Blood Cell Count/differential
ZPP	=	Zinc Protoporphyrin

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