

Appendix C

Reportable Contaminants from Solvent Evaporation

(For Information Only)

REPORTABLE CONTAMINANTS FROM SOLVENT EVAPORATION

(These information are extracted from USEPA FIRE 6.22 emission factors and SPECIATE database. It is not intended to be a complete list of contaminants reportable by a specific sector. Methods of emission estimation, such as mass balance; stack testing data; engineering process emission calculation can also be used by reporting facilities to determine the air contaminants. This list may be updated from time to time when new information are available.)

Degreasing/Solvent Cleaning/Solvent Use	
Contaminant	CAS
ACETONE	67-64-1
BENZENE	71-43-2
SEC-BUTYL ALCOHOL	78-92-2
CFC-11	75-69-4
CHLOROBENZENE	108-90-7
CHLOROFORM	67-66-3
CUMENE	98-82-8
CYCLOHEXANE	110-82-7
O-DICHLOROBENZENE	95-50-1
DICHLOROMETHANE	75-09-2
DIMETHYLAMINE	124-40-3
2-ETHOXYETHANOL	110-80-5
ETHYL ETHER	60-29-7
ETHYLBENZENE	100-41-4
ETHYLENE GLYCOL	107-21-1
FURFURAL	98-01-1
GLYCOL ETHERS (MISC.)	N/A - M04
N-HEPTANE	142-82-5
N-HEXANE	110-54-3
ISOPROPYL ALCOHOL	67-63-0
METHANOL	67-56-1
METHYL ETHYL KETONE	78-93-3
METHYL ISOBUTYL KETONE	108-10-1
METHYL METHACRYLATE	80-62-6
MINERAL SPIRITS GROUP #1	N/A - M06
NAPHTHALENE	91-20-3
PHENOL	108-95-2
TETRACHLOROETHYLENE	127-18-4
TOLUENE	108-88-3
1,1,1-TRICHLOROETHANE	71-55-6
1,1,2-TRICHLOROETHANE	79-00-5
TRICHLOROETHYLENE	79-01-6
VOLATILE ORGANIC COMPOUNDS (VOC)	N/A - M16
XYLENE	1330-20-7

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Degreasing/Solvent Cleaning/Solvent Use	
Contaminant	CAS
O-XYLENE	95-47-6

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Organic Chemical Storage	
Contaminant	CAS
ACETALDEHYDE	75-07-0
ACETIC ACID	64-19-7
ACETONE	67-64-1
ACETONITRILE	75-05-8
ACETYLENE	74-86-2
ACROLEIN	107-02-8
ACRYLIC ACID	79-10-7
ACRYLONITRILE	107-13-1
ANILINE	62-53-3
BENZENE	71-43-2
BENZYL CHLORIDE	100-44-7
2-BUTOXYETHANOL	111-76-2
BUTYL ACRYLATE	141-32-2
I-BUTYL ALCOHOL	78-83-1
N-BUTYL ALCOHOL	71-36-3
TERT-BUTYL ALCOHOL	75-65-0
BUTYRALDEHYDE	123-72-8
CARBON DISULPHIDE	75-15-0
CARBON TETRACHLORIDE	56-23-5
CHLOROBENZENE	108-90-7
CHLOROETHANE	75-00-3
CHLOROFORM	67-66-3
CHLOROMETHANE	74-87-3
CRESOL	1319-77-3
CUMENE	98-82-8
CYCLOHEXANE	110-82-7
CYCLOHEXANOL	108-93-0
1,2-DIBROMOETHANE	106-93-4
O-DICHLOROBENZENE	95-50-1
P-DICHLOROBENZENE	106-46-7
1,2-DICHLOROETHANE	107-06-2
DICHLOROMETHANE	75-09-2
DIMETHYLAMINE	124-40-3
EPICHLOROHYDRIN	106-89-8

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Organic Chemical Storage	
Contaminant	CAS
2-ETHOXYETHANOL	110-80-5
ETHYL ACETATE	141-78-6
ETHYL ACRYLATE	140-88-5
ETHYL ETHER	60-29-7
ETHYLBENZENE	100-41-4
ETHYLENE	74-85-1
ETHYLENE GLYCOL	107-21-1
ETHYLENE OXIDE	75-21-8
FORMALDEHYDE	50-00-0
FORMIC ACID	64-18-6
GLYCOL ETHERS (MISC.)	N/A - M04
N-HEPTANE	142-82-5
N-HEXANE	110-54-3
ISOBUTYRALDEHYDE	78-84-2
ISOPRENE	78-79-5
ISOPROPYL ALCOHOL	67-63-0
MALEIC ANHYDRIDE	108-31-6
METHANE	74-82-8
METHANOL	67-56-1
2-METHOXYETHANOL	109-86-4
METHYL ACRYLATE	96-33-3
METHYL ETHYL KETONE	78-93-3
METHYL ISOBUTYL KETONE	108-10-1
METHYL METHACRYLATE	80-62-6
MINERAL SPIRITS GROUP #1	N/A - M06
MONOMETHYL AMINE	74-89-5
NITROBENZENE	98-95-3
PHENOL	108-95-2
PHTHALIC ANHYDRIDE	85-44-9
PROPIONALDEHYDE	123-38-6
PROPYLENE	115-07-1
PROPYLENE OXIDE	75-56-9
STYRENE	100-42-5
TETRACHLOROETHYLENE	127-18-4

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Organic Chemical Storage	
Contaminant	CAS
TETRAHYDROFURAN	109-99-9
TOLUENE	108-88-3
1,1,1-TRICHLOROETHANE	71-55-6
TRICHLOROETHYLENE	79-01-6
VINYL ACETATE	108-05-4
VOLATILE ORGANIC COMPOUNDS (VOC)	N/A - M16
XYLENE	1330-20-7
M-XYLENE	108-38-3
O-XYLENE	95-47-6
P-XYLENE	106-42-3

Note: Reporting contaminant depends on the contaminant stored.

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Petroleum Liquids Storage	
Contaminant	CAS
ACETYLENE	74-86-2
BENZENE	71-43-2
1,3-BUTADIENE	106-99-0
CHLOROBENZENE	108-90-7
CUMENE	98-82-8
CYCLOHEXANE	110-82-7
ETHYLBENZENE	100-41-4
ETHYLENE	74-85-1
N-HEPTANE	142-82-5
N-HEXANE	110-54-3
ISOPRENE	78-79-5
METHANE	74-82-8
METHANOL	67-56-1
METHYL TERT-BUTYL ETHER	1634-04-4
NAPHTHALENE	91-20-3
PROPYLENE	115-07-1
STYRENE	100-42-5
TOLUENE	108-88-3
1,1,2-TRICHLOROETHANE	79-00-5
1,2,4-TRIMETHYLBENZENE	95-63-6
VOLATILE ORGANIC COMPOUNDS (VOC)	N/A - M16
XYLENE	1330-20-7
M-XYLENE	108-38-3
O-XYLENE	95-47-6
P-XYLENE	106-42-3

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Surface Coating/Printing	
Contaminant	CAS
ACETIC ACID	64-19-7
ACETONE	67-64-1
ACETOPHENONE	98-86-2
ACETYLENE	74-86-2
BENZENE	71-43-2
BIPHENYL	92-52-4
1,3-BUTADIENE	106-99-0
2-BUTOXYETHANOL	111-76-2
I-BUTYL ALCOHOL	78-83-1
N-BUTYL ALCOHOL	71-36-3
SEC-BUTYL ALCOHOL	78-92-2
BUTYL BENZYL PHTHALATE	85-68-7
CHLOROBENZENE	108-90-7
CHLOROETHANE	75-00-3
CHLOROFORM	67-66-3
CHLOROMETHANE	74-87-3
CRESOL	1319-77-3
CUMENE	98-82-8
CYCLOHEXANE	110-82-7
1,2-DIBROMOETHANE	106-93-4
DIBUTYL PHTHALATE	84-74-2
DICHLOROMETHANE	75-09-2
DIMETHYL PHENOL	1300-71-6
DIMETHYL PHTHALATE	131-11-3
DIPHENYLAMINE	122-39-4
2-ETHOXYETHANOL	110-80-5
2-ETHOXYETHYL ACETATE	111-15-9
ETHYL ACETATE	141-78-6
ETHYL ETHER	60-29-7
ETHYLBENZENE	100-41-4
ETHYLENE	74-85-1
ETHYLENE GLYCOL	107-21-1
ETHYLENE OXIDE	75-21-8
FORMALDEHYDE	50-00-0

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Surface Coating/Printing	
Contaminant	CAS
FORMIC ACID	64-18-6
GLYCOL ETHERS (MISC.)	N/A - M04
N-HEPTANE	142-82-5
N-HEXANE	110-54-3
ISOPRENE	78-79-5
ISOPROPYL ALCOHOL	67-63-0
METHANE	74-82-8
METHANOL	67-56-1
2-METHOXYETHANOL	109-86-4
2-METHOXYETHYL ACETATE	110-49-6
METHYL ETHYL KETONE	78-93-3
METHYL ISOBUTYL KETONE	108-10-1
METHYL TERT-BUTYL ETHER	1634-04-4
MINERAL SPIRITS GROUP #1	N/A - M06
MINERAL SPIRITS GROUP #2	N/A - M17
NAPHTHALENE	91-20-3
OXIDES OF NITROGEN (EXPRESSED AS NO)	10102-43-9
O-PHENYLPHENOL	90-43-7
PHTHALIC ANHYDRIDE	85-44-9
PROPYLENE	115-07-1
STYRENE	100-42-5
TETRACHLOROETHYLENE	127-18-4
TOLUENE	108-88-3
1,1,1-TRICHLOROETHANE	71-55-6
1,1,2-TRICHLOROETHANE	79-00-5
TRICHLOROETHYLENE	79-01-6
TRIETHYLAMINE	121-44-8
1,2,4-TRIMETHYLBENZENE	95-63-6
VINYL ACETATE	108-05-4
VOLATILE ORGANIC COMPOUNDS (VOC)	N/A - M16
XYLENE	1330-20-7
M-XYLENE	108-38-3
O-XYLENE	95-47-6
P-XYLENE	106-42-3

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