

SFAM01.1 Target Analyte List

TRACE VOLATILES AND LOW/MEDIUM VOLATILES TARGET ANALYTE LIST AND CONTRACT REQUIRED QUANTITATION LIMITS

Analyte Name	CAS Number	CRQLs					
		Trace Water (µg/L)	Trace Water By SIM (µg/L)	Low Aqueous/ Water and SPLP Leachate (µg/L)	Low Soil/ Sediment/ Waste (µg/kg)	Medium Soil/ Sediment/ Waste (µg/kg)	TCLP Leachate (µg/L)
Dichlorodifluoromethane	75-71-8	0.50	--	5.0	5.0	250	--
Chloromethane	74-87-3	0.50	--	5.0	5.0	250	--
Vinyl chloride	75-01-4	0.50	0.050	5.0	5.0	250	50
Bromomethane	74-83-9	0.50	--	5.0	5.0	250	--
Chloroethane	75-00-3	0.50	--	5.0	5.0	250	--
Trichlorofluoromethane	75-69-4	0.50	--	5.0	5.0	250	--
1,1-Dichloroethene	75-35-4	0.50	--	5.0	5.0	250	50
1,1,2-Trichloro- 1,2,2-trifluoroethane	76-13-1	0.50	--	5.0	5.0	250	--
Acetone	67-64-1	5.0	--	10	10	500	--
Carbon disulfide	75-15-0	0.50	--	5.0	5.0	250	--
Methyl acetate	79-20-9	0.50	--	5.0	5.0	250	--
Methylene chloride	75-09-2	0.50	--	5.0	5.0	250	--
trans-1,2-Dichloroethene	156-60-5	0.50	--	5.0	5.0	250	--
Methyl tert-butyl ether	1634-04-4	0.50	--	5.0	5.0	250	--
1,1-Dichloroethane	75-34-3	0.50	--	5.0	5.0	250	--
cis-1,2-Dichloroethene	156-59-2	0.50	--	5.0	5.0	250	--
2-Butanone	78-93-3	5.0	--	10	10	500	100
Bromochloromethane	74-97-5	0.50	--	5.0	5.0	250	--
Chloroform	67-66-3	0.50	--	5.0	5.0	250	50
1,1,1-Trichloroethane	71-55-6	0.50	--	5.0	5.0	250	--
Cyclohexane	110-82-7	0.50	--	5.0	5.0	250	--
Carbon tetrachloride	56-23-5	0.50	--	5.0	5.0	250	50
Benzene	71-43-2	0.50	--	5.0	5.0	250	50
1,2-Dichloroethane	107-06-2	0.50	--	5.0	5.0	250	50
Trichloroethene	79-01-6	0.50	0.050	5.0	5.0	250	50
Methylcyclohexane	108-87-2	0.50	--	5.0	5.0	250	--
1,2-Dichloropropane	78-87-5	0.50	--	5.0	5.0	250	--

TRACE VOLATILES AND LOW/MEDIUM VOLATILES TARGET ANALYTE LIST AND CONTRACT REQUIRED QUANTITATION LIMITS
(CON'T)

Analyte Name	CAS Number	CRQLs					
		Trace Water (µg/L)	Trace Water By SIM (µg/L)	Low Aqueous/ Water and SPLP Leachate (µg/L)	Low Soil/ Sediment/ Waste (µg/kg)	Medium Soil/ Sediment/ Waste (µg/kg)	TCLP Leachate (µg/L)
Bromodichloromethane	75-27-4	0.50	--	5.0	5.0	250	--
cis-1,3-Dichloropropene	10061-01-5	0.50	--	5.0	5.0	250	--
4-Methyl-2-pentanone	108-10-1	5.0	--	10	10	500	--
Toluene	108-88-3	0.50	--	5.0	5.0	250	--
trans-1,3-Dichloropropene	10061-02-6	0.50	--	5.0	5.0	250	--
1,1,2-Trichloroethane	79-00-5	0.50	--	5.0	5.0	250	--
Tetrachloroethene	127-18-4	0.50	--	5.0	5.0	250	50
2-Hexanone	591-78-6	5.0	--	10	10	500	--
Dibromochloromethane	124-48-1	0.50	--	5.0	5.0	250	--
1,2-Dibromoethane	106-93-4	0.50	0.050	5.0	5.0	250	--
Chlorobenzene	108-90-7	0.50	--	5.0	5.0	250	50
Ethylbenzene	100-41-4	0.50	--	5.0	5.0	250	--
o-Xylene	95-47-6	0.50	--	5.0	5.0	250	--
m,p-Xylene	179601-23-1	0.50	--	5.0	5.0	250	--
Styrene	100-42-5	0.50	--	5.0	5.0	250	--
Bromoform	75-25-2	0.50	--	5.0	5.0	250	--
Isopropylbenzene	98-82-8	0.50	--	5.0	5.0	250	--
1,2,3-Trichloropropane	96-18-4	0.50	0.050	5.0	5.0	250	--
1,1,2,2-Tetrachloroethane	79-34-5	0.50	--	5.0	5.0	250	--
1,3-Dichlorobenzene	541-73-1	0.50	--	5.0	5.0	250	--
1,4-Dichlorobenzene	106-46-7	0.50	--	5.0	5.0	250	50
1,2-Dichlorobenzene	95-50-1	0.50	--	5.0	5.0	250	--
1,2-Dibromo-3-chloropropane	96-12-8	0.50	0.050	5.0	5.0	250	--
1,2,4-Trimethylbenzene	95-63-6	0.50	--	5.0	5.0	250	--
1,3,5-Trimethylbenzene	108-67-8	0.50	--	5.0	5.0	250	--
1,2,4-Trichlorobenzene	120-82-1	0.50	--	5.0	5.0	250	--
1,2,3-Trichlorobenzene	87-61-6	0.50	--	5.0	5.0	250	--

SEMIVOLATILES TARGET ANALYTE LIST AND CONTRACT REQUIRED QUANTITATION LIMITS

Analyte Name	CAS Number	CRQLs					
		Low Water By SIM (µg/L)	Aqueous/ Water and SPLP Leachate (µg/L)	Low Soil/ Sediment/ Waste By SIM (µg/kg)	Low Soil/ Sediment/ Waste (µg/kg)	Medium Soil/ Sediment/ Waste (µg/kg)	TCLP Leachate (µg/L)
1,4-Dioxane	123-91-1	0.20	2.0	6.7	67	2000	--
Pyridine	110-86-1	--	--	--	--	--	100
Benzaldehyde	100-52-7	--	10	--	330	10000	--
Phenol	108-95-2	--	10	--	330	10000	--
Bis(2-chloroethyl) ether	111-44-4	--	10	--	330	10000	--
2-Chlorophenol	95-57-8	--	5.0	--	170	5000	--
2-Methylphenol	95-48-7	--	10	--	330	10000	100
3-Methylphenol	108-39-4	--	--	--	--	--	100
2,2'-Oxybis(1-chloropropane)	108-60-1	--	10	--	330	10000	--
Acetophenone	98-86-2	--	10	--	330	10000	--
4-Methylphenol	106-44-5	--	10	--	330	10000	100
N-Nitroso-di-n propylamine	621-64-7	--	5.0	--	170	5000	--
Hexachloroethane	67-72-1	--	5.0	--	170	5000	50
Nitrobenzene	98-95-3	--	5.0	--	170	5000	50
Isophorone	78-59-1	--	5.0	--	170	5000	--
2-Nitrophenol	88-75-5	--	5.0	--	170	5000	--
2,4-Dimethylphenol	105-67-9	--	5.0	--	170	5000	--
Bis(2-chloroethoxy)methane	111-91-1	--	5.0	--	170	5000	--
2,4-Dichlorophenol	120-83-2	--	5.0	--	170	5000	--
Naphthalene	91-20-3	0.10	5.0	3.3	170	5000	--
4-Chloroaniline	106-47-8	--	10	--	330	10000	--
Hexachlorobutadiene	87-68-3	--	5.0	--	170	5000	50
Caprolactam	105-60-2	--	10	--	330	10000	--
4-Chloro-3-methylphenol	59-50-7	--	5.0	--	170	5000	--
1-Methylnaphthalene	90-12-0	0.10	5.0	3.3	170	5000	--
2-Methylnaphthalene	91-57-6	0.10	5.0	3.3	170	5000	--
Hexachlorocyclo-pentadiene	77-47-4	--	10	--	330	10000	--

SEMIVOLATILES TARGET ANALYTE LIST AND CONTRACT REQUIRED QUANTITATION LIMITS (CON'T)

Analyte Name	CAS Number	CRQLs					
		Low Water By SIM (µg/L)	Aqueous/ Water and SPLP Leachate (µg/L)	Low Soil/ Sediment/ Waste By SIM (µg/kg)	Low Soil/ Sediment/ Waste (µg/kg)	Medium Soil/ Sediment/ Waste (µg/kg)	TCLP Leachate (µg/L)
2,4,6-Trichlorophenol	88-06-2	--	5.0	--	170	5000	50
2,4,5-Trichlorophenol	95-95-4	--	5.0	--	170	5000	50
1,1'-Biphenyl	92-52-4	--	5.0	--	170	5000	--
2-Chloronaphthalene	91-58-7	--	5.0	--	170	5000	--
2-Nitroaniline	88-74-4	--	5.0	--	170	5000	--
Dimethylphthalate	131-11-3	--	5.0	--	170	5000	--
2,6-Dinitrotoluene	606-20-2	--	5.0	--	170	5000	--
Acenaphthylene	208-96-8	0.10	5.0	3.3	170	5000	--
3-Nitroaniline	99-09-2	--	10	--	330	10000	--
Acenaphthene	83-32-9	0.10	5.0	3.3	170	5000	--
2,4-Dinitrophenol	51-28-5	--	10	--	330	10000	--
4-Nitrophenol	100-02-7	--	10	--	330	10000	--
Dibenzofuran	132-64-9	--	5.0	--	170	5000	--
2,4-Dinitrotoluene	121-14-2	--	5.0	--	170	5000	50
Diethylphthalate	84-66-2	--	5.0	--	170	5000	--
Fluorene	86-73-7	0.10	5.0	3.3	170	5000	--
4-Chlorophenyl-phenyl ether	7005-72-3	--	5.0	--	170	5000	--
4-Nitroaniline	100-01-6	--	10	--	330	10000	--
4,6-Dinitro-2-methylphenol	534-52-1	--	10	--	330	10000	--
N-Nitrosodiphenylamine	86-30-6	--	5.0	--	170	5000	--
1,2,4,5-Tetrachlorobenzene	95-94-3	--	5.0	--	170	5000	--
4-Bromophenyl-phenylether	101-55-3	--	5.0	--	170	5000	--
Hexachlorobenzene	118-74-1	--	5.0	--	170	5000	50
Atrazine	1912-24-9	--	10	--	330	10000	--
Pentachlorophenol	87-86-5	0.20	10	6.7	330	10000	100
Phenanthrene	85-01-8	0.10	5.0	3.3	170	5000	--
Anthracene	120-12-7	0.10	5.0	3.3	170	5000	--
Carbazole	86-74-8	--	10	--	330	10000	--
Di-n-butylphthalate	84-74-2	--	5.0	--	170	5000	--
Fluoranthene	206-44-0	0.10	5.0	3.3	170	5000	--
Pyrene	129-00-0	0.10	5.0	3.3	170	5000	--

SEMIVOLATILES TARGET ANALYTE LIST AND CONTRACT REQUIRED QUANTITATION LIMITS (CON'T)

Analyte Name	CAS Number	CRQLs					
		Low Water By SIM (µg/L)	Aqueous/ Water and SPLP Leachate (µg/L)	Low Soil/ Sediment/ Waste By SIM (µg/kg)	Low Soil/ Sediment/ Waste (µg/kg)	Medium Soil/ Sediment/ Waste (µg/kg)	TCLP Leachate (µg/L)
Butylbenzylphthalate	85-68-7	--	5.0	--	170	5000	--
3,3'-Dichlorobenzidine	91-94-1	--	10	--	330	10000	--
Benzo(a)anthracene	56-55-3	0.10	5.0	3.3	170	5000	--
Chrysene	218-01-9	0.10	5.0	3.3	170	5000	--
Bis(2-ethylhexyl)phthalate	117-81-7	--	5.0	--	170	5000	--
Di-n-octylphthalate	117-84-0	--	10	--	330	10000	--
Benzo(b)fluoranthene	205-99-2	0.10	5.0	3.3	170	5000	--
Benzo(k)fluoranthene	207-08-9	0.10	5.0	3.3	170	5000	--
Benzo(a)pyrene	50-32-8	0.10	5.0	3.3	170	5000	--
Indeno(1,2,3-cd)pyrene	193-39-5	0.10	5.0	3.3	170	5000	--
Dibenzo(a,h)anthracene	53-70-3	0.10	5.0	3.3	170	5000	--
Benzo(g,h,i)perylene	191-24-2	0.10	5.0	3.3	170	5000	--
2,3,4,6-Tetrachlorophenol	58-90-2	--	5.0	--	170	5000	--

PESTICIDES TARGET ANALYTE LIST AND CONTRACT REQUIRED QUANTITATION LIMITS

Analyte Name	CAS Number	CRQLs				
		Aqueous/ Water and SPLP Leachate (µg/L)	Soil/ Sediment/ Waste (µg/kg)	Wipe (µg)	Wipe (µg/cm ²)	TCLP Leachate (µg/L)
alpha-BHC	319-84-6	0.050	1.7	0.050	0.00050	--
beta-BHC	319-85-7	0.050	1.7	0.050	0.00050	--
delta-BHC	319-86-8	0.050	1.7	0.050	0.00050	--
gamma-BHC (Lindane)	58-89-9	0.050	1.7	0.050	0.00050	0.50
Heptachlor	76-44-8	0.050	1.7	0.050	0.00050	0.50
Aldrin	309-00-2	0.050	1.7	0.050	0.00050	--
Heptachlor epoxide	1024-57-3	0.050	1.7	0.050	0.00050	0.50
Endosulfan I	959-98-8	0.050	1.7	0.050	0.00050	--
Dieldrin	60-57-1	0.10	3.3	0.10	0.0010	--
4,4'-DDE	72-55-9	0.10	3.3	0.10	0.0010	--
Endrin	72-20-8	0.10	3.3	0.10	0.0010	1.0
Endosulfan II	33213-65-9	0.10	3.3	0.10	0.0010	--
4,4'-DDD	72-54-8	0.10	3.3	0.10	0.0010	--
Endosulfan sulfate	1031-07-8	0.10	3.3	0.10	0.0010	--
4,4'-DDT	50-29-3	0.10	3.3	0.10	0.0010	--
Methoxychlor	72-43-5	0.50	17	0.50	0.0050	5.0
Endrin ketone	53494-70-5	0.10	3.3	0.10	0.0010	--
Endrin aldehyde	7421-93-4	0.10	3.3	0.10	0.0010	--
cis-Chlordane	5103-71-9	0.050	1.7	0.050	0.00050	0.50
trans-Chlordane	5103-74-2	0.050	1.7	0.050	0.00050	0.50
Toxaphene	8001-35-2	5.0	170	5.0	0.050	50

AROCLORS TARGET ANALYTE LIST AND CONTRACT REQUIRED QUANTITATION LIMITS

Analyte Name	CAS Number	CRQLs			
		Aqueous/ Water (µg/L)	Soil/ Sediment/ Waste (µg/kg)	Wipe (µg)	Wipe (µg/cm ²)
Aroclor 1016	12674-11-2	1.0	33	1.0	0.010
Aroclor 1221	11104-28-2	1.0	33	1.0	0.010
Aroclor 1232	11141-16-5	1.0	33	1.0	0.010
Aroclor 1242	53469-21-9	1.0	33	1.0	0.010
Aroclor 1248	12672-29-6	1.0	33	1.0	0.010
Aroclor 1254	11097-69-1	1.0	33	1.0	0.010
Aroclor 1260	11096-82-5	1.0	33	1.0	0.010
Aroclor 1262	37324-23-5	1.0	33	1.0	0.010
Aroclor 1268	11100-14-4	1.0	33	1.0	0.010

ICP-AES AND ICP-MS TARGET ANALYTE LIST AND CONTRACT REQUIRED QUANTITATION LIMITS

Analyte Name	CAS Number	CRQLs					
		ICP-AES Aqueous/ Water and SPLP Leachate (µg/L)	ICP-AES Soil/ Sediment/ Waste (mg/kg)	ICP-AES Wipe (µg)	ICP-AES TCLP (µg/L)	ICP-MS Aqueous/ Water (µg/L)	ICP-MS Soil/ Sediment/ Waste (mg/kg)
Aluminum	7429-90-5	200	20	20	--	20	--
Antimony	7440-36-0	60	6.0	6.0	--	2.0	1.0
Arsenic	7440-38-2	10	1.0	1.0	10	1.0	0.50
Barium	7440-39-3	200	20	20	200	10	5.0
Beryllium	7440-41-7	5.0	0.50	0.50	--	1.0	0.50
Cadmium	7440-43-9	5.0	0.50	0.50	5.0	1.0	0.50
Calcium	7440-70-2	5000	500	500	--	500	--
Chromium	7440-47-3	10	1.0	1.0	10	2.0	1.0
Cobalt	7440-48-4	50	5.0	5.0	--	1.0	0.50
Copper	7440-50-8	25	2.5	2.5	--	2.0	1.0
Iron	7439-89-6	100	10	10	--	200	--
Lead	7439-92-1	10	1.0	1.0	10	1.0	0.50
Magnesium	7439-95-4	5000	500	500	--	500	--
Manganese	7439-96-5	15	1.5	1.5	--	1.0	0.50
Nickel	7440-02-0	40	4.0	4.0	--	1.0	0.50
Potassium	7440-09-7	5000	500	500	--	500	--
Selenium	7782-49-2	35	3.5	3.5	35	5.0	2.5
Silver	7440-22-4	10	1.0	1.0	10	1.0	0.50
Sodium	7440-23-5	5000	500	500	--	500	--
Thallium	7440-28-0	25	2.5	2.5	--	1.0	0.50
Vanadium	7440-62-2	50	5.0	5.0	--	5.0	2.5
Zinc	7440-66-6	60	6.0	6.0	--	5.0	2.5
Hardness (total)	Hardness	33	--	--	--	--	--

**MERCURY BY COLD VAPOR ATOMIC ABSORPTION TARGET ANALYTE LIST AND CONTRACT
REQUIRED QUANTITATION LIMITS**

Analyte Name	CAS Number	CRQLs	
		Aqueous/Water and TCLP/SPLP Leachate (µg/L)	Soil/ Sediment/ Waste (mg/kg)
Mercury	7439-97-6	0.20	0.10

**CYANIDE BY SPECTROPHOTOMETRY TARGET ANALYTE LIST AND CONTRACT REQUIRED
QUANTITATION LIMITS**

Analyte Name	CAS Number	CRQLs	
		Aqueous/Water and SPLP Leachate (µg/L)	Soil/ Sediment/ Waste (mg/kg)
Cyanide	57-12-5	10	0.50