

**3745-400-21 Construction and demolition debris facility - leachate sampling and ground water monitoring parameter list.**

This rule contains the common names of parameters that are widely used in government regulation, scientific publications, and commerce. However, synonyms may exist for many parameters. The chemical abstract service registry number (CAS RN) for each parameter has been provided.

(A) Metals and cyanide. The metals include all species in leachate or ground water that contain the element and laboratory analysis shall be for total metals.

Parameter:	CAS RN:
1) Aluminum	7429-90-5
2) Antimony	7440-36-0
3) Arsenic	7440-38-2
4) Barium	7440-39-3
5) Beryllium	7440-41-7
6) Cadmium	7440-43-9
7) Chromium	7440-47-3
8) Copper	7440-50-8
9) Cyanide (free)	57-12-5
10) Mercury	7439-97-6
11) Nickel	7440-02-0
12) Selenium	7782-49-2
13) Strontium	7440-24-6
14) Thallium	7440-28-0
15) Vanadium	7440-62-2

Note: The free species of cyanide is the required species to be analyzed for in leachate or ground water samples collected to meet the requirements of this rule.

(B) Inorganic water quality parameters.

Parameter:	CAS RN:
16) Ammonia	7664-41-7
17) Calcium	7440-70-2
18) Chloride	16887-00-6
19) Magnesium	7439-95-4
20) Potassium	7440-09-7
21) Sodium	7440-23-5
22) Sulfate	14808-79-8

(C) Other inorganic parameters.

Parameter:	CAS RN:
23) Boron	7440-42-8
24) Iron	7439-89-6
25) Manganese	7439-96-5
26) Nitrate/Nitrite	
27) Total alkalinity	
28) Total dissolved solids	

(D) Volatile organic compounds.

Parameter:	CAS RN:
29) Acetone; 2-Propanone	67-64-1
30) Benzene	71-43-2
31) Bromodichloromethane; Dibromochloromethane	75-27-4
32) Carbon disulfide	75-15-0
33) Carbon tetrachloride; Tetrachloromethane	56-23-5
34) Chlorobenzene	108-90-7
35) Chloroethane; Ethyl chloride	75-00-3
36) Chloroform; Trichloromethane	67-66-3
37) 2-Chlorotoluene	95-49-8
38) 4-Chlorotoluene	106-43-4
39) o-Dichlorobenzene; 1,2-Dichlorobenzene	95-50-1
40) p-Dichlorobenzene; 1,4-Dichlorobenzene	106-46-7
41) Dichlorodifluoromethane; CFC-12	75-71-8
42) 1,1-Dichloroethane; Ethylidene chloride	75-34-3
43) 1,2-Dichloroethane; Ethylene dichloride	107-06-2
44) 1,1-Dichloroethylene; 1,1-Dichloroethene; Vinylidene chloride	75-35-4
45) cis-1,2-Dichloroethylene; cis-1,2-Dichloroethene	156-59-2
46) trans-1,2-Dichloroethylene; trans-1,2-Dichloroethene	156-60-5
47) 1,2-Dichloropropane; Propylene dichloride	78-87-5
48) 1,1-Dichloropropene; 1,1-Dichloro-1-propene	563-58-6
49) Ethylbenzene	100-41-4
50) 2-Hexanone; Methyl butyl ketone	591-78-6
51) Isopropylbenzene; Cumene	98-82-8
52) 4-Isopropyltoluene; p-Isopropyltoluene	99-87-6
53) Methyl chloride; Chloromethane	74-87-3
54) Methyl ethyl ketone; MEK; 2-Butanone	78-93-3

55) 4-Methyl-2-pentanone; Methyl isobutyl ketone	108-10-1
56) Methylene chloride; Dichloromethane	75-09-2
57) N-Butylbenzene	104-51-8
58) N-Propylbenzene	103-65-1
59) Naphthalene	91-20-3
60) Sec-Butylbenzene	135-98-8
61) Styrene; Ethenylbenzene	100-42-5
62) Tert-Butylbenzene	98-06-6
63) 1,1,1,2-Tetrachloroethane	630-20-6
64) Tetrachloroethylene; Tetrachloroethene; Perchloroethylene	127-18-4
65) Toluene; Methylbenzene	108-88-3
66) 1,2,3-Trichlorobenzene	87-61-6
67) 1,2,4-Trichlorobenzene	120-82-1
68) 1,1,1-Trichloroethane; Methylchloroform	71-55-6
69) Trichloroethylene; Trichloroethene	79-01-6
70) Trichlorofluoromethane; CFC-11	75-69-4
71) 1,2,4-Trimethylbenzene	95-63-6
72) 1,3,5-Trimethylbenzene	108-67-8
73) Vinyl chloride; Chloroethene	75-01-4
74) Xylene (total); Dimethylbenzene	See note

Note: Xylene (total): Where "total" is entered, all species in leachate or ground water that contain this element are included. This entry includes o-xylene (CAS RN 96-47-6), m-xylene (CAS RN 108-38-3), p-xylene (CAS RN 106-42-3), and unspecified xylenes (dimethylbenzenes) (CAS RN 1330-20-7).

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CERTIFIED ELECTRONICALLY

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Certification

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