

*** DRAFT – NOT FOR FILING ***

3745-506-703

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 ground water that contain the element.

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<u>Parameter:</u>	<u>CAS RN:</u>
<u>1) Aluminum</u>	<u>7429-90-5</u>
<u>2) Antimony</u>	<u>7440-36-0</u>
<u>3) Arsenic</u>	<u>7440-38-2</u>
<u>4) Barium</u>	<u>7440-39-3</u>
<u>5) Beryllium</u>	<u>7440-41-7</u>
<u>6) Cadmium</u>	<u>7440-43-9</u>
<u>7) Chromium</u>	<u>7440-47-3</u>
<u>8) Copper</u>	<u>7440-50-08</u>
<u>9) Cyanide (free)</u>	<u>57-12-5</u>
<u>10) Lead</u>	<u>7439-92-1</u>
<u>11) Mercury</u>	<u>7439-97-6</u>
<u>12) Nickel</u>	<u>7440-02-0</u>
<u>13) Selenium</u>	<u>7782-49-2</u>
<u>14) Strontium</u>	<u>7440-24-6</u>
<u>15) Thallium</u>	<u>7440-28-0</u>
<u>16) Vanadium</u>	<u>7440-62-2</u>
<u>17) Zinc</u>	<u>7440-66-6</u>

(B) Inorganic water quality parameters.

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<u>Parameter:</u>	<u>CAS RN:</u>
<u>18) Ammonia</u>	<u>7664-41-7</u>
<u>19) Calcium</u>	<u>7440-70-2</u>
<u>20) Chloride</u>	<u>16887-00-6</u>
<u>21) Magnesium</u>	<u>7439-95-2</u>
<u>22) Potassium</u>	<u>7440-09-7</u>
<u>23) Sodium</u>	<u>7440-23-5</u>
<u>24) Sulfate</u>	<u>14808-79-8</u>

(C) Other inorganic parameters.

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<u>Parameter:</u>	<u>CAS RN:</u>
<u>25) Boron</u>	<u>7440-42-8</u>
<u>26) Iron</u>	<u>7439-89-6</u>
<u>27) Manganese</u>	<u>7439-96-5</u>
<u>28) Nitrate/Nitrite</u>	
<u>29) pH</u>	
<u>30) Total alkalinity</u>	
<u>31) Total dissolved solids</u>	

(D) Volatile organic compounds.

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<u>Parameter:</u>	<u>CAS RN:</u>
<u>32) Acetone; 2-Propanone</u>	<u>67-64-1</u>
<u>33) Benzene</u>	<u>71-43-2</u>
<u>34) Bromodichloromethane; Dibromochloromethane</u>	<u>75-27-4</u>
<u>35) Carbon disulfide</u>	<u>75-15-0</u>
<u>36) Carbon tetrachloride; Tetrachloromethane</u>	<u>56-23-5</u>
<u>37) Chlorobenzene</u>	<u>108-90-7</u>
<u>38) Chloroethane; Ethyl chloride</u>	<u>75-00-3</u>
<u>39) Chloroform; Trichloromethane</u>	<u>67-66-3</u>
<u>40) 2-Chlorotoluene</u>	<u>95-49-8</u>
<u>41) 4-Chlorotoluene</u>	<u>106-43-4</u>
<u>42) o-Dichlorobenzene; 1,2-Dichlorobenzene</u>	<u>95-50-1</u>
<u>43) p-Dichlorobenzene; 1,4-Dichlorobenzene</u>	<u>106-46-7</u>
<u>44) Dichlorodifluoromethane; CFC-12</u>	<u>75-71-8</u>
<u>45) 1,1-Dichloroethane; Ethylidene chloride</u>	<u>75-34-3</u>
<u>46) 1,2-Dichloroethane; Ethylene dichloride</u>	<u>107-06-2</u>
<u>47) 1,1-Dichloroethylene; 1,1-Dichloroethene; Vinylidene chloride</u>	<u>75-35-4</u>
<u>48) cis-1,2-Dichloroethylene; cis-1,2-Dichloroethene</u>	<u>156-59-2</u>
<u>49) trans-1,2-Dichloroethylene; trans-1,2-Dichloroethene</u>	<u>156-60-5</u>
<u>50) 1,2-Dichloropropane; Propylene dichloride</u>	<u>78-87-5</u>
<u>51) 1,1-Dichloropropene; 1,1-Dichloro-1-propene</u>	<u>563-58-6</u>
<u>52) Ethylbenzene</u>	<u>100-41-4</u>
<u>53) 2-Hexanone; Methyl butyl ketone</u>	<u>591-78-6</u>
<u>54) Isopropylbenzene; Cumene</u>	<u>98-82-8</u>
<u>55) 4-Isopropyltoluene; p-Isopropyltoluene</u>	<u>99-87-6</u>
<u>56) Methyl chloride; Chloromethane</u>	<u>74-87-3</u>
<u>57) Methyl ethyl ketone; MEK; 2-Butanone</u>	<u>78-93-3</u>
<u>58) 4-Methyl-2-pentanone; Methyl isobutyl ketone</u>	<u>108-10-01</u>
<u>59) Methylene chloride; Dichloromethane</u>	<u>75-09-2</u>
<u>60) N-Butylbenzene</u>	<u>104-51-8</u>

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

[Note 1: Xylene \(total\):](#) Where "total" is entered, all species in 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 \(dimethylbenzenes\) \(CAS RN 1330-20-7\)](#).