

NSF International – 2019 MDL Study Results

Method/Analyte	Method Detection Limit
EPA 531.2	ug/L
Aldicarb sulfoxide	0.08
Aldicarb sulfone	0.07
Oxamyl	0.08
Aldicarb	0.08
Carbofuran	0.10
Methomyl	0.08
Carbaryl	0.06
3-Hydroxycarbofuran	0.06

EPA 300.1	ug/L
Bromate	0.32
Bromide	0.81
Chlorate	0.80
Chlorite	0.62

EPA 552.2	ug/L
Monochloroacetic Acid	0.30
Monobromoacetic Acid	0.24
Dichloroacetic Acid	0.14
Trichloroacetic Acid	0.25
Dibromoacetic Acid	0.25

EPA 515.3	ug/L
2,4,5-TP	0.01
2,4-D	0.03
Dalapon	0.22
Dicamba	0.05
Dinoseb	0.03
Pentachlorophenol	0.01
Picloram	0.03

NSF International – 2019 MDL Study Results

Method/Analyte	Method Detection Limit
Metals -EPA 200.8	ug/L
Arsenic	0.41
Barium	0.51
Cadmium	0.19
Chromium	0.26
Copper	0.53
Lead	0.24
Manganese	0.50
Mercury	0.11
Selenium	0.49
Silver	0.58
Zinc	3.38
Aluminum	4.47
Antimony	0.13
Beryllium	0.20
Nickel	0.27
Thallium	0.19
Uranium	0.33

Metals-EPA 200.7	ug/L
Iron	0.13
Sodium	0.07
Calcium Hardness	0.13

EPA 1613B	pg/L
2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.15

NSF International – 2019 MDL Study Results

Method/Analyte	Method Detection Limit
EPA 525.2	ug/L
Hexachlorocyclopentadiene	0.03
EPTC	0.02
Dimethylphthalate	0.11
2,6-Dinitrotoluene	0.10
2,4 Dinitrotoluene	0.11
Molinate	0.02
Diethylphthalate	0.12
Propachlor	0.03
Hexachlorobenzene	0.02
Simazine	0.02
Atrazine	0.03
Lindane	0.01
Terbacil	0.16
Metribuzin	0.04
Alachlor	0.02
Heptachlor	0.02
Di-n-butylphthalate	0.14
Metolachlor	0.02
Thiobencarb	0.03
Aldrin	0.03
Heptachlor Epoxide	0.01
Butachlor	0.03
p,p'-DDE (4,4'-DDE)	0.02
Dieldrin	0.03
Butylbenzylphthalate	0.20
bis(2-Ethylhexyl)adipate	0.20
Methoxychlor	0.04
bis(2-Ethylhexyl)phthalate (DEHP)	0.40
Benzo(a)Pyrene	0.01
Acetochlor	0.03

EPA 549.2	ug/L
Diquat	0.24

EPA 548.1	ug/L
Endothall	2.2

EPA 547	ug/L
Glyphosate	1.54

NSF International – 2019 MDL Study Results

Method/Analyte	Method Detection Limit
EPA 508.1	ug/L
Chlordane-Total	0.02
Endrin	0.003
Toxaphene	0.03

PCB screen	ug/L
1016	0.02
1221	0.05
1232	0.08
1242	0.03
1248	0.03
1254	0.04
1260	0.01

EPA 1984 00 02	pCi/L
Gross alpha	3.00

EPA 900.0	pCi/L
Gross Alpha	3.00
Gross Beta	4.00

SM 18-21 7500-Ra-B	pCi/L
Radium 226	1.00

SM 18-21 7500-Ra-B	pCi/L
Radium 228	1.00

EPA 314.0	ug/L
Perchlorate	0.21

SM 18-21 2320B (97)	mg/L
Alkalinity	0.42

EPA 300.0	ug/L
Chloride	0.1970
Nitrite	0.0005
Nitrate	0.0194
Sulfate	0.0138

EPA 335.4	ug/L
Cyanide	1.30

SM 18-21 4500 F C	ug/L
Fluoride	0.02

NSF International – 2019 MDL Study Results

Method/Analyte	Method Detection Limit
SM 18-21 2540C	mg/l
Total dissolved solids	2.00

EPA 524.2	ug/L
Bromodichloromethane	0.05
Bromoform	0.10
Chloroform	0.05
Dibromochloromethane	0.06
Total trihalomethanes	
Methyl tert butyl ether	0.06
Naphthalene	0.10
1,2,3-Trichlorobenzene	0.09
1,2,4-Trichlorobenzene	0.09
1,2,4-Trimethylbenzene	0.05
1,2-Dichlorobenzene	0.05
1,3,5-Trimethylbenzene	0.05
1,3-Dichlorobenzene	0.09
1,4-Dichlorobenzene	0.10
2-Chlorotoluene	0.08
4-Chlorotoluene	0.09
Benzene	0.04
Bromobenzene	0.06
Chlorobenzene	0.05
Ethylbenzene	0.04
Hexachlorobutadiene	0.10
Isopropylbenzene	0.05
n-Butylbenzene	0.05
n-propylbenzene	0.04
p-Isopropyltoluene	0.06
sec-Butylbenzene	0.05
Styrene	0.05
tert-Butylbenzene	0.08
Toluene	0.05
Total Xylenes (m+p)	0.09
o-Xylene	0.04
1,1,1,2-Tetrachloroethane	0.07
1,1,1-Trichloroethane	0.05
1,1,2,2-Tetrachloroethane	0.06
1,1,2-Trichloroethane	0.06
1,1-Dichloroethane	0.04
1,1-Dichloroethene	0.05
1,1-Dichloropropene	0.05
1,2,3-Trichloropropane	0.16
1,2-Dichloroethane	0.05

NSF International – 2019 MDL Study Results

Method/Analyte	Method Detection Limit
EPA 524.2 continued.	ug/L
1,2-Dichloropropane	0.04
1,3-Dichloropropane	0.06
2,2-Dichloropropane	0.09
Bromochloromethane	0.05
Bromomethane	0.04
Carbon Tetrachloride	0.05
Chloroethane	0.08
Chloromethane	0.07
cis-1,2-Dichloroethene	0.05
cis-1,3-Dichloropropene	0.05
Dibromomethane	0.06
Dichlorodifluoromethane	0.10
Methylene chloride	0.05
Tetrachloroethene	0.06
trans-1,2-Dichloroethene	0.05
trans-1,3-Dichloropropene	0.06
Trichloroethene	0.04
Trichlorofluoromethane	0.06
Vinyl Chloride	0.07

EPA 504.1	ug/L
1,2-Dibromo-3-chloropropane	0.004
1,2-Dibromoethane	0.004

SM 18-21 2120B	Color Units
Color	5.00