



Asia Pacific Technical Centre

Details:

Sample:	W201409_053/R01	Sampling Date:	18-Sep-2014
Sample Type:	Raw Water - Process Water	Reception Date:	25-Sep-2014
Specification:	BP-SP-184	Completion Date:	13-Oct-2014
Description:	Before reaction tank		

	Spec	UOM	Reporting Limit	Result	Method
Disinfectants & By products					
Chloroform		mcg/l	< 0.2	37.6 mcg/l	EPA 524.2
Bromodichloromethane		mcg/l	< 0.2	3.19 mcg/l	EPA 524.2
Dibromochloromethane		mcg/l	< 0.2	0.24 mcg/l	EPA 524.2
Bromoform		mcg/l	< 0.2	< 0.2	EPA 524.2
Total THM	<80 mcg/l	mcg/l	< 0.2	41.0 mcg/l	Calculated
Dibromoacetonitrile	<70 mcg/l	mcg/l	< 0.5	< 0.5	EPA 551.1
Dichloroacetonitrile	<20 mcg/l	mcg/l	< 0.5	2.0 mcg/l	EPA 551.1
Trichloroacetaldehyde	<10 mcg/l	mcg/l	< 1	3.5 mcg/l	EPA 551.1
Trichloroacetonitrile		mcg/l	< 1	< 1	EPA 551.1 Ver1.0
Chloramine	<100 mcg/l	mcg/l	< 50	110.0 mcg/l	STM 4500-Cl-G
Bromate as BrO ₃ ⁻	<10 mcg/l	mcg/l	< 1	< 1	EPA 300.1
Chlorate as ClO ₃	<0.7 mg/l	mg/l	< 0.01	< 0.01	EPA 300.1
Chlorite as ClO ₂	<0.7 mg/l	mg/l	< 0.01	< 0.01	EPA 300.1
Trichloroacetate		mcg/l	< 5	15.33 mcg/l	TP08-WI-03.16
Monochloroacetate		mcg/l	< 5	< 5	TP08-WI-03.16
Dichloroacetate		mcg/l	< 5	6.57 mcg/l	TP08-WI-03.16
Bromoacetic Acid		mcg/l	< 5	< 5	TP08-WI-03.16
Dibromoacetic Acid		mcg/l	< 5	< 5	TP08-WI-03.16
HAA5	<60 mcg/l	mcg/l	< 5	21.90 mcg/l	Calculated
Inorganics					
Beryllium, Total as Be	<4 mcg/l	mcg/l	< 0.1	< 0.1	EPA 200.8
Boron, Total as B		mcg/l	< 10	< 10 mcg/l	EPA 200.8
Borate as H ₃ BO ₃		mcg/l	< 57	< 57 mcg/l	Calculated
Sodium, Total as Na		mg/l	< 1	4.0 mg/l	EPA 200.8
Aluminium, Total as Al	<200 mcg/l	mcg/l	< 10	64.6 mcg/l	EPA 200.8
Chromium, Total as Cr	<50 mcg/l	mcg/l	< 1	< 1 mcg/l	EPA 200.8
Manganese, Total as Mn	<50 mcg/l	mcg/l	< 1	< 1 mcg/l	EPA 200.8
Iron, Total as Fe	<200 mcg/l	mcg/l	< 10	21.1 mcg/l	EPA 200.8
Nickel, Total as Ni	<20 mcg/l	mcg/l	< 1	< 1 mcg/l	EPA 200.8
Copper, Total as Cu	<1000 mcg/l	mcg/l	< 10	< 10 mcg/l	EPA 200.8
Zinc, Total as Zn	<5000 mcg/l	mcg/l	< 10	24.8 mcg/l	EPA 200.8
Arsenic, Total as As	<10 mcg/l	mcg/l	< 1	< 1 mcg/l	EPA 200.8
Selenium, Total as Se	<10 mcg/l	mcg/l	< 1	< 1 mcg/l	EPA 200.8
Molybdenum, Total as Mo	<70 mcg/l	mcg/l	< 1	< 1 mcg/l	EPA 200.8
Silver, Total as Ag		mcg/l	< 1	< 1 mcg/l	EPA 200.8
Cadmium, Total as Cd	<3 mcg/l	mcg/l	< 0.1	< 0.1	EPA 200.8
Antimony, Total as Sb	<6 mcg/l	mcg/l	< 0.1	0.2 mcg/l	EPA 200.8
Barium, Total as Ba	<700 mcg/l	mcg/l	< 10	30.0 mcg/l	EPA 200.8
Mercury, Total as Hg	<1 mcg/l	mcg/l	< 0.1	< 0.1 mcg/l	EPA 7473
Thallium, Total as Tl	<2 mcg/l	mcg/l	< 0.1	< 0.1	EPA 200.8
Lead, Total as Pb	<5 mcg/l	mcg/l	< 0.1	< 0.1 mcg/l	EPA 200.8
Uranium, Total as U	<30 mcg/l	mcg/l	< 1	< 1 mcg/l	EPA 200.8
Magnesium, Total as Mg		mg/l	< 1	2.5 mg/l	EPA 200.8
Calcium, Total as Ca		mg/l	< 1	11.9 mg/l	EPA 200.8
Potassium, Total as K		mg/l	< 1	1.3 mg/l	EPA 200.8



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	Spec	UOM	Reporting Limit	Result	Method
Cyanide, Total as CN	<70 mcg/l	mcg/l	< 20	< 20	STM4500-CN-E
Bromide as Br ⁻		mcg/l	<5	<5 mcg/l	EPA 300.1
Nitrate as NO ₃ ⁻	<45 mg/l	mg/l	< 0.5	1.20 mg/l	EPA 300.1
Nitrate as N		mg/l		0.27 mg/l	Calculated
Nitrite as NO ₂ ⁻	<0.2 mg/l	mg/l	< 0.01	< 0.01 mg/l	EPA 300.1
Nitrite as N		mg/l		0.0020 mg/l	Calculated
Nitrate and Nitrite as N		mg/l		0.2720 mg/l	Calculated
Fluoride as F ⁻	<1500 mcg/l	mcg/l	< 80	134 mcg/l	EPA 300.1
Chloride as Cl ⁻	<250 mg/l	mg/l	< 1	6.0 mg/l	EPA 300.1
Total Combined Sulfate and Chloride		mg/l	< 1	8.9 mg/l	Calculated
Sulphate as SO ₄ ²⁻	<250 mg/l	mg/l	< 1	2.8 mg/l	EPA 300.1
Microbiology					
Total Coliforms	<1 CFU/100 ml	CFU/100ml	< 1		ISO8199:2005(E) / SM-PR-681
Total Viable Count		CFU/ml	< 1		ISO8199:2005(E) / SM-PR-685
E.coli	<1 CFU/100 ml	CFU/100ml	< 1		WI-0067
Organics					
PCB101		mcg/l	< 0.1	< 0.1	TP08-WI-03.10
PCB138		mcg/l	< 0.1	< 0.1	TP08-WI-03.10
PCB153		mcg/l	< 0.1	< 0.1	TP08-WI-03.10
PCB180		mcg/l	< 0.1	< 0.1	TP08-WI-03.10
PCB28		mcg/l	< 0.1	< 0.1	TP08-WI-03.10
PCB52		mcg/l	< 0.1	< 0.1	TP08-WI-03.10
Polychlorinated Biphenyls	<0.5 mcg/l	mcg/l	< 0.1	< 0.1	TP08-WI-03.10
Total Recoverable Phenolics		mg/l	< 0.002	< 0.002	USEPA 420.4
Acrylamide	<0.5 mcg/l	mcg/l	< 0.5	< 0.5	TP08-WI-03.15
EDTA	<0.6 mg/l	mg/l	< 0.1	< 0.1	TP08-WI-03.17
Nitritotriacetic acid	< 0.2 mg/l	mg/l	< 0.2	< 0.2	TP08-WI-03.17
Pesticides					
1,2-Dichloropropane	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	EPA 524.2
Cis-1,3-dichloropropene		mcg/l	< 0.1	< 0.1	EPA 524.2
Trans-1,3-dichloropropene		mcg/l	< 0.1	< 0.1	EPA524.2
1,2-Dibromoethane	<0.05 mcg/l	mcg/l	< 0.05	< 0.05	EPA 524.2
1,2-Dibromo-3-chloropropane	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	EPA 524.2
1,3-Dichloropropene	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	Calculated
2,4'-DDD		mcg/l	< 0.1	< 0.1	TP08-WI-03.10
2,4'-DDE		mcg/l	< 0.1	< 0.1	TP08-WI-03.10
2,4'-DDT		mcg/l	< 0.1	< 0.1	TP08-WI-03.10
4,4'-DDD		mcg/l	< 0.1	< 0.1	TP08-WI-03.10
4,4'-DDE		mcg/l	< 0.1	< 0.1	TP08-WI-03.10
4,4'-DDT		mcg/l	< 0.1	< 0.1	TP08-WI-03.10
DDT & Metabolites	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	Calculated
2,4,6-Trichlorophenol	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	TP08-WI-03.10
Aldrin		mcg/l	< 0.01	< 0.01	TP08-WI-03.10
Aldrin & Dieldrin	<0.03 mcg/l	mcg/l	< 0.01	< 0.01	Calculated
BHC (Alfa)		mcg/l	< 0.1	< 0.1	TP08-WI-03.10
BHC (Beta)		mcg/l	< 0.1	< 0.1	TP08-WI-03.10
BHC (Gamma) Lindane	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	TP08-WI-03.10
BHC (Delta)		mcg/l	< 0.1	< 0.1	TP08-WI-03.10
BHC (Total)		mcg/l	< 0.1	< 0.1	TP08-WI-03.10
Chlordane cis		mcg/l	< 0.1	< 0.1	TP08-WI-03.10



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Chlordane trans		mcg/l	< 0.1	< 0.1	TP08-WI-03.10
Chlordane	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	Calculated
Chlorpyrifos	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	TP08-WI-03.10
Endrin	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	TP08-WI-03.10
Deltamethrin		mcg/l	< 0.1	< 0.1	TP08-WI-03.10
Malathion		mcg/l	< 0.1	< 0.1	TP08-WI-03.10
Methoxychlor	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	TP08-WI-03.10
Molinate	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	TP08-WI-03.10
Parathion methyl		mcg/l	< 0.1	< 0.1	TP08-WI-03.10
*Parathion ethyl		mcg/l	< 0.1	< 0.1	TP08-WI-03.10
Pendimethalin	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	TP08-WI-03.10
Pentachlorophenol	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	TP08-WI-03.10
Trifluralin	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	TP08-WI-03.10
Heptachlor epoxide A		mcg/l	< 0.03	< 0.03	TP08-WI-03.10
Heptachlor epoxide B		mcg/l	< 0.03	< 0.03	TP08-WI-03.10
Heptachlorepoide	<0.03 mcg/l	mcg/l	< 0.03	< 0.03	Calculated
Heptachlor	<0.03 mcg/l	mcg/l	< 0.03	< 0.03	TP08-WI-03.10
Heptachlor & Heptachlor Epoxide		mcg/l	< 0.03	< 0.03	Calculated
Pyriproxyfen	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	TP08-WI-03.10
Dichlorvos		mcg/l	< 0.1	< 0.1	TP08-WI-03.10
Endosulfan (I)		mcg/l	< 0.1	< 0.1	TP08-WI-03.10
Endosulfan (II)		mcg/l	< 0.1	< 0.1	TP08-WI-03.10
*Endosulfan sulfate		mcg/l	< 0.1	< 0.1	TP08-WI-03.10
*Fenitrothion		mcg/l	< 0.1	< 0.1	TP08-WI-03.10
Phorate		mcg/l	< 0.1	< 0.1	TP08-WI-03.10
*Permethrin		mcg/l	< 0.1	< 0.1	TP08-WI-03.10
Chlorothalonil		mcg/l	< 0.1	< 0.1	TP08-WI-03.10
Alachlor	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	TP08-WI-03.19
Aldicarb	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	TP08-WI-03.19
Aldicarb sulphone	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	TP08-WI-03.19
Aldicarb sulphoxide	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	TP08-WI-03.19
Atrazine	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	TP08-WI-03.19
Carbofuran	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	TP08-WI-03.19
Carbofuran (3-hydroxy)		mcg/l	< 0.1	< 0.1	TP08-WI-03.19
Chlortoluron	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	TP08-WI-03.19
Cyanazine	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	TP08-WI-03.19
Dimethoate	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	TP08-WI-03.19
Isoproturon	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	TP08-WI-03.19
Metolachlor	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	TP08-WI-03.19
Simazine	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	TP08-WI-03.19
Oxamyl	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	TP08-WI-03.19
*Butachlor		mcg/l	< 0.1	< 0.1	TP08-WI-03.19
Monocrotophos		mcg/l	< 0.1	< 0.1	TP08-WI-03.19
Paraoxon-methyl		mcg/l	< 0.1	< 0.1	TP08-WI-03.19
Malaaxon		mcg/l	< 0.1	< 0.1	TP08-WI-03.19
Thiobencarb		mcg/l	< 0.1	< 0.1	TP08-WI-03.19
Phorate sulfone		mcg/l	< 0.1	< 0.1	TP08-WI-03.19
Phorate sulfoxide		mcg/l	< 0.1	< 0.1	TP08-WI-03.19
Ethion		mcg/l	< 0.1	< 0.1	TP08-WI-03.19
Carbaryl		mcg/l	< 0.1	< 0.1	TP08-WI-03.19
Diazinon		mcg/l	< 0.1	< 0.1	TP08-WI-03.19
Propanil		mcg/l	< 0.1	< 0.1	TP08-WI-03.19
*Pyridate		mcg/l	< 0.1	< 0.1	TP08-WI-03.19



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Terbutylazine	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	TP08-WI-03.19
Methiocarb		mcg/l	< 0.1	< 0.1	TP08-WI-03.19
Propoxur		mcg/l	< 0.1	< 0.1	TP08-WI-03.19
Monocrotophos		mcg/l	< 0.1	< 0.1	TP08-WI-03.19
Methomyl		mcg/l	< 0.1	< 0.1	TP08-WI-03.19
* 2,4-D	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	TP08-WI-03.05
* 2,4-DB	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	TP08-WI-03.05
* 2,4,5-T	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	TP08-WI-03.05
* Dichlorprop	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	TP08-WI-03.05
Fenoprop	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	TP08-WI-03.05
MCPA	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	TP08-WI-03.05
* Mecoprop (Total)	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	TP08-WI-03.05
* Bentazone		mcg/l	< 0.1	< 0.1	TP08-WI-03.05
Dinoseb	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	TP08-WI-03.05
*Dalapon	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	TP08-WI-03.05
*Picloram	<0.1 mcg/l	mcg/l	< 0.1	< 0.1	TP08-WI-03.05
Process Performance					
Appearance	No Visible Color			No Visible Color but with Particles	SM-PR-441
Odour	No off Odor			Off Odor is Identified	SM-PR-441
Chlorine, Total as Cl ₂	<0.1 mg/l	mg/l	< 0.05	0.16 mg/l	SM-PR-165
pH	4.5 ~ 9.5			7.52	SM-PR-355
Total Dissolved Solids	<500 mg/l	mg/l		68.9 mg/l	SM-PR-445
Turbidity	<0.3 NTU	NTU		1.56 NTU	SM-PR-455
Alkalinity, TAM as CaCO ₃		mg CaCO ₃ /l	< 1	36.8 mg CaCO ₃ /l	EPA-600/4-79-020, method 310.2
*Bicarbonate as CaCO ₃		mg/l	< 1	36.7 mg/l	Calculated
Carbonate as CaCO ₃		mg/l	< 1	< 1 mg/l	Calculated
(Semi-)VOC					
Vinyl Chloride	<0.3 mcg/l	mcg/l	< 0.3	< 0.3	EPA 524.2
Bromomethane		mcg/l	< 0.2	< 0.2	EPA 524.2
*Chloroethane		mcg/l	< 0.2	< 0.2	EPA 524.2
*Trichlorofluoromethane		mcg/l	< 0.2	< 0.2	EPA 524.2
1,1-Dichloroethene	<2 mcg/l	mcg/l	< 0.5	< 0.5	EPA 524.2
Dichloromethane	<3 mcg/l	mcg/l	< 0.5	< 0.5	EPA 524.2
Trans-1,2-dichloroethene	<100 mcg/l	mcg/l	< 0.5	< 0.5	EPA 524.2
MTBE	<70 mcg/l	mcg/l	< 0.5	< 0.5	EPA 524.2
1,1-Dichloroethane		mcg/l	< 0.5	< 0.5	EPA 524.2
Cis-1,2-dichloroethene	<70 mcg/l	mcg/l	< 0.5	< 0.5	EPA 524.2
Bromochloromethane		mcg/l	< 0.2	< 0.2	EPA 524.2
2,2-Dichloropropane		mcg/l	< 0.2	< 0.2	EPA 524.2
1,2-Dichloroethane	<2 mcg/l	mcg/l	< 0.5	< 0.5	EPA 524.2
1,1,1-Trichloroethane	<30 mcg/l	mcg/l	< 0.5	< 0.5	EPA 524.2
1,1-Dichloropropene		mcg/l	< 0.2	< 0.2	EPA 524.2
Carbon Tetrachloride	<4 mcg/l	mcg/l	< 0.5	< 0.5	EPA 524.2
Benzene	<1 mcg/l	mcg/l	< 0.5	< 0.5	EPA 524.2
*Dibromomethane		mcg/l	< 0.2	< 0.2	EPA 524.2
Trichloroethene	<1 mcg/l	mcg/l	< 0.2	< 0.2	EPA 524.2
1,1,2-Trichloroethane	<3 mcg/l	mcg/l	< 0.5	< 0.5	EPA 524.2
Toluene	<700 mcg/l	mcg/l	< 0.5	< 0.5	EPA 524.2
1,3-Dichloropropane		mcg/l	< 0.1	< 0.1	EPA 524.2
Tetrachloroethene	<1 mcg/l	mcg/l	< 0.5	< 0.5	EPA 524.2



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1,1,1,2-Tetrachloroethane		mcg/l	< 0.2	< 0.2	EPA 524.2
Chlorobenzene	<50 mcg/l	mcg/l	< 0.5	< 0.5	EPA 524.2
Ethyl Benzene	<300 mcg/l	mcg/l	< 0.5	< 0.5	EPA 524.2
m,p-xylene		mcg/l	< 0.5	< 0.5	EPA 524.2
Styrene	<20 mcg/l	mcg/l	< 0.5	< 0.5	EPA 524.2
o-xylene		mcg/l	< 0.5	< 0.5	EPA 524.2
1,1,2,2-Tetrachloroethane	<1 mcg/l	mcg/l	< 0.5	< 0.5	EPA 524.2
1,2,3-Trichloropropane		mcg/l	< 0.2	< 0.2	EPA 524.2
Isopropylbenzene		mcg/l	< 0.2	< 0.2	EPA 524.2
Bromobenzene		mcg/l	< 0.2	< 0.2	EPA 524.2
n-propylbenzene		mcg/l	< 0.2	< 0.2	EPA 524.2
2-Chlorotoluene		mcg/l	< 0.2	< 0.2	EPA 524.2
4-Chlorotoluene		mcg/l	< 0.2	< 0.2	EPA 524.2
1,3,5-Trimethylbenzene		mcg/l	< 0.2	< 0.2	EPA 524.2
tert-butylbenzene		mcg/l	< 0.2	< 0.2	EPA 524.2
sec-butylbenzene		mcg/l	< 0.2	< 0.2	EPA 524.2
1,2,4-Trimethylbenzene		mcg/l	< 0.2	< 0.2	EPA 524.2
1,3-Dichlorobenzene		mcg/l	< 0.2	< 0.2	EPA 524.2
1,4-Dichlorobenzene	<75 mcg/l	mcg/l	< 0.5	< 0.5	EPA 524.2
p-isopropyltoluene		mcg/l	< 0.2	< 0.2	EPA 524.2
1,2-Dichlorobenzene	<600 mcg/l	mcg/l	< 0.5	< 0.5	EPA 524.2
n-butylbenzene		mcg/l	< 0.2	< 0.2	EPA 524.2
1,2,4-trichlorobenzene	<9 mcg/l	mcg/l	< 0.5	< 0.5	EPA 524.2
Naphthalene	<300 mcg/l	mcg/l	< 0.5	< 0.5	EPA 524.2
Hexachlorobutadiene	<0.6 mcg/l	mcg/l	< 0.5	< 0.5	EPA 524.2
1,2,3-Trichlorobenzene		mcg/l	< 0.2	< 0.2	EPA 524.2
Xylene (total)	<500 mcg/l	mcg/l	< 0.5	< 0.5	Calculated
*Dichlorodifluoromethane		mcg/l	< 0.2	< 0.2	EPA 524.2
*Chloromethane		mcg/l	< 0.2	< 0.2	EPA 524.2
1,2-Dichloroethene	<50 mcg/l	mcg/l	< 0.5	< 0.5	EPA 524.2
Trichlorobenzene		mcg/l			Calculated
Hexachlorobenzene	<1 mcg/l	mcg/l	< 0.1	< 0.1	TP08-WI-03.10
Hexachlorocyclopentadiene	<50 mcg/l	mcg/l	< 5	< 5	TP08-WI-03.10
Benzo(a)pyrene	<0.2 mcg/l	mcg/l	< 0.01	< 0.01	TP08-WI-03.10
Di(2-ethylhexyl)adipate	<400 mcg/l	mcg/l	< 0.6	< 0.6	TP08-WI-03.10
Di(2-ethylhexyl)phthalate	<6 mcg/l	mcg/l	< 0.6	1.16 mcg/l	TP08-WI-03.10
Formaldehyde	<900 mcg/l	mcg/l	< 50	< 50	TP08-WI-03.24
Acetaldehyde		mcg/l	< 50	< 50	TP08-WI-03.24
Microcystin-LR	<1 mcg/l	mcg/l	< 1	< 1	TP08-WI-03.19

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Remarks:

mcg/l = microgram/L

LOD = Limit of Detection (units as per specification or otherwise ppm v/v)

LOQ = Limit of Quantitation (units as per specification or otherwise ppm v/v)

■ = Not Applicable

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LOD = Limit of Detection (units as per specification or otherwise ppm v/v)

LOQ = Limit of Quantitation (units as per specification or otherwise ppm v/v)

Water remarks with minerals added are exempt from this requirement. Total Dissolved Solids and concentration of salts added (e.g. fluoride, chloride, sulfate) must conform to the formula, not with these specifications.

■ = Not Applicable