

Public Health Command Europe

Laboratory Sciences



Table 1

Potable Water Analyses (Including Bottled Water)			
ORGANIC ANALYSES			
Analytes	Method of Analysis	LOQ	
PURGEABLE ORGANIC COMPOUNDS (VOLATILES)			
1,1,1-Trichloroethane	EPA 524.4	0.50	µg/L
1,1,2-Trichloroethane	EPA 524.4	0.50	µg/L
1,1-Dichloroethylene	EPA 524.4	0.50	µg/L
1,2-Dichloroethane	EPA 524.4	0.50	µg/L
1,2-dichloropropane	EPA 524.4	0.50	µg/L
Benzene	EPA 524.4	0.50	µg/L
Carbon tetrachloride	EPA 524.4	0.50	µg/L
Monochlorobenzene	EPA 524.4	0.50	µg/L
Cis-1,2-dichloroethylene	EPA 524.4	0.50	µg/L
Ethylbenzene	EPA 524.4	0.50	µg/L
o-Dichlorobenzene	EPA 524.4	0.50	µg/L
p-Dichlorobenzene	EPA 524.4	0.50	µg/L
Styrene	EPA 524.4	0.50	µg/L
Tetrachloroethylene	EPA 524.4	0.50	µg/L
Toluene	EPA 524.4	0.50	µg/L
Trans-1,2-dichloroethylene	EPA 524.4	0.50	µg/L
Trichloroethylene	EPA 524.4	0.50	µg/L
Vinyl Chloride	EPA 524.4	0.50	µg/L
o-xylene	EPA 524.4	0.50	µg/L
m, p-xylene	EPA 524.4	1.0	µg/L
Xylene (total)	EPA 524.4	1.5	µg/L
1,2,4-Trichlorobenzene	EPA 524.4	0.50	µg/L
1,1,1,2-Tetrachloroethane	EPA 524.4	0.50	µg/L
1,1,2,2-Tetrachloroethane	EPA 524.4	0.50	µg/L
1,1-Dichloroethane	EPA 524.4	0.50	µg/L
1,1-Dichloropropene	EPA 524.4	0.50	µg/L
1,2,3-Trichlorobenzene	EPA 524.4	0.50	µg/L
1,2,3-Trichloropropane	EPA 524.4	0.50	µg/L
1,3-Dichloropropane	EPA 524.4	0.50	µg/L
2,2-Dichloropropane	EPA 524.4	0.50	µg/L
2-chlorotoluene	EPA 524.4	0.50	µg/L
4-chlorotoluene	EPA 524.4	0.50	µg/L
4-Isopropyltoluene	EPA 524.4	0.50	µg/L
Bromobenzene	EPA 524.4	0.50	µg/L
Bromochloromethane	EPA 524.4	0.50	µg/L
Bromomethane	EPA 524.4	0.50	µg/L
Chloroethane	EPA 524.4	0.50	µg/L
Chloromethane	EPA 524.4	0.50	µg/L
cis-1,3-Dichloropropene	EPA 524.4	0.50	µg/L

PURGEABLE ORGANIC COMPOUNDS (VOLATILES) continued			
Dibromomethane	EPA 524.4	0.50	µg/L
Dichlorodifluoromethane	EPA 524.4	0.50	µg/L
Hexachlorobutadiene	EPA 524.4	0.50	µg/L
Isopropylbenzene	EPA 524.4	0.50	µg/L
m-dichlorobenzene	EPA 524.4	0.50	µg/L
Methyl tert-butyl ether (MTBE)	EPA 524.4	0.50	µg/L
Naphthalene	EPA 524.4	0.50	µg/L
n-Butylbenzene	EPA 524.4	0.50	µg/L
n-Propylbenzene	EPA 524.4	0.50	µg/L
sec-Butylbenzene	EPA 524.4	0.50	µg/L
tert-Butylbenzene	EPA 524.4	0.50	µg/L
trans-1,3-Dichloropropene	EPA 524.4	0.50	µg/L
Trichlorofluoromethane	EPA 524.4	0.50	µg/L
Bromodichloromethane	EPA 524.4	0.50	µg/L
Bromoform	EPA 524.4	0.50	µg/L
Chlorodibromomethane	EPA 524.4	0.50	µg/L
Chloroform	EPA 524.4	0.50	µg/L
Total Trihalomethanes (TTHM)	EPA 524.4	2.0	µg/L
1,2,4-Trimethylbenzene	EPA 524.4	0.50	µg/L
1,3,5-Trimethylbenzene	EPA 524.4	0.50	µg/L
Dichloromethane	EPA 524.4	0.50	µg/L
1,2-Dibromo-3-chloropropane (DBCP)	EPA 524.4	0.50	µg/L
1,2-Dibromoethane (EDB)	EPA 524.4	0.50	µg/L
DIBROMOCHLOROPENTANE / ETHYLENE DIBROMIDE			
1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1	0.030	µg/L
1,2-Dibromoethane (EDB)	EPA 504.1	0.030	µg/L
ATRAZINE / SIMAZINE			
Atrazine	EPA 505 (Mod.)	0.50	µg/L
Simazine	EPA 505 (Mod.)	0.50	µg/L
ORGANOHALIDE PESTICIDES / PCB			
Heptachlor	EPA 505	0.10	µg/L
Alachlor	EPA 505	0.10	µg/L
Aldrin	EPA 505	0.10	µg/L
Dieldrin	EPA 505	0.10	µg/L
Endrin	EPA 505	0.10	µg/L
Heptachlor Epoxide	EPA 505	0.10	µg/L
Hexachlorobenzene	EPA 505	0.10	µg/L
Hexachlorocyclopentadiene	EPA 505	1.0	µg/L
Lindane (gamma-BHC)	EPA 505	0.10	µg/L
Methoxychlor	EPA 505	0.10	µg/L
Chlordane	EPA 505	0.50	µg/L
Toxaphene	EPA 505	3.0	µg/L
PCB (as Aroclors)	EPA 505	0.50	µg/L
PCB-1016	EPA 505	0.50	µg/L

ORGANOHALIDE PESTICIDES / PCB continued			
PCB-1221	EPA 505	0.50	µg/L
PCB-1232	EPA 505	0.50	µg/L
PCB-1242	EPA 505	0.50	µg/L
PCB-1248	EPA 505	0.50	µg/L
PCB-1254	EPA 505	0.50	µg/L
PCB-1260	EPA 505	0.50	µg/L
POLYCYCLIC AROMATIC HYDROCARBONS (PAH)			
Benz[a]anthracene	EPA 550	0.010	µg/L
Benzo[b]fluoranthene	EPA 550	0.010	µg/L
Benzo[k]fluoranthene	EPA 550	0.010	µg/L
Benzo[g,h,i]perylene	EPA 550	0.010	µg/L
Benzo[a]pyrene	EPA 550	0.010	µg/L
Chrysene	EPA 550	0.010	µg/L
Indeno[1,2,3- cd]pyrene	EPA 550	0.010	µg/L
SEMIVOLATILE COMPOUNDS (SVOC) / PLASTICERS			
Benz[a]anthracene	EPA 525.2 (Mod.)	0.25	µg/L
Benzo[b]fluoranthene	EPA 525.2 (Mod.)	0.25	µg/L
Benzo[k]fluoranthene	EPA 525.2 (Mod.)	0.25	µg/L
Benzo[g,h,i]perylene	EPA 525.2 (Mod.)	0.25	µg/L
Benzo[a]pyrene	EPA 525.2 (Mod.)	0.25	µg/L
Chrysene	EPA 525.2 (Mod.)	0.25	µg/L
Indeno[1,2,3- cd]pyrene	EPA 525.2 (Mod.)	0.25	µg/L
Di (2-ethylhexyl) adipate	EPA 525.2 (Mod.)	2.0	µg/L
Di (2-ethylhexyl) phthalate	EPA 525.2 (Mod.)	2.0	µg/L
Di (2-ethylhexyl) adipate	EPA 525.2	3.0	µg/L
Di (2-ethylhexyl) phthalate	EPA 525.2	3.0	µg/L
N-METHYLCARBAMOYLOXIMES / N-METHYLCARBAMATES (CARBAMATE PESTICIDES)			
Aldicarb	EPA 531.2	0.10	µg/L
Aldicarb Sulfone	EPA 531.2	0.10	µg/L
Aldicarb Sulfoxide	EPA 531.2	0.10	µg/L
Baygon (Propoxur)	EPA 531.2	0.10	µg/L
Carbaryl	EPA 531.2	0.10	µg/L
Carbofuran	EPA 531.2	0.10	µg/L
3-Hydroxycarbofuran	EPA 531.2	0.10	µg/L
Methiocarb	EPA 531.2	0.10	µg/L
Methomyl	EPA 531.2	0.10	µg/L
Oxamyl (Vydate)	EPA 531.2	0.10	µg/L
CARBAMATE PESTICIDES / HERBICIDES			
Glyphosate	EPA 547	5.0	µg/L
Aminomethylphosphonic acid (AMPA)	EPA 547	5.0	µg/L
CHLORINATED ACID HERBICIDES			
Bentazon	EPA 515.4	0.50	µg/L
2,4-D	EPA 515.4	0.50	µg/L
Dichlorprop	EPA 515.4	0.50	µg/L

CHLORINATED ACID HERBICIDES continued			
Dinoseb	EPA 515.4	0.50	µg/L
Pentachlorophenol	EPA 515.4	0.50	µg/L
Picloram	EPA 515.4	0.50	µg/L
2,4,5-T	EPA 515.4	0.50	µg/L
2,4,5-TP (Silvex)	EPA 515.4	0.50	µg/L
HALOACETIC ACIDS (HAA5)			
Dalapon	EPA 552.3	0.10	µg/L
Dibromoacetic Acid	EPA 552.3	1.0	µg/L
Dichloroacetic Acid	EPA 552.3	1.0	µg/L
Monobromoacetic Acid	EPA 552.3	1.0	µg/L
Monochloroacetic acid	EPA 552.3	1.0	µg/L
Trichloroacetic acid	EPA 552.3	1.0	µg/L
Total HAA5s	EPA 552.3	5.0	µg/L
POLY-FLUORINATED ALKYL SUBSTANCES (PFAS)			
N-methyl perfluorooctanesulfonamidoacetic acid (HFPO-DA/Gen X Acid)	EPA 537.1	2.0	ng/L
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	EPA 537.1	2.0	ng/L
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	EPA 537.1	2.0	ng/L
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1	2.0	ng/L
Perfluorodecanoic acid (PFDA)	EPA 537.1	8.0	ng/L
Perfluorododecanoic acid (PFDoA)	EPA 537.1	2.0	ng/L
Perfluoroheptanoic acid (PFHpA)	EPA 537.1	2.0	ng/L
Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1	2.0	ng/L
Perfluorohexanoic acid (PFHxA)	EPA 537.1	2.0	ng/L
Perfluorononanoic acid (PFNA)	EPA 537.1	8.0	ng/L
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1	8.0	ng/L
Perfluorooctanoic acid (PFOA)	EPA 537.1	2.0	ng/L
Perfluorotetradecanoic acid (PFTA)	EPA 537.1	2.0	ng/L
Perfluorotridecanoic acid (PFTrDA)	EPA 537.1	2.0	ng/L
Perfluoroundecanoic acid (PFUnA)	EPA 537.1	2.0	ng/L
11-chloroeicosafuoro-3-oxaundecane-1- sulfonic acid (11Cl-PF3OUds/F53B Major)	EPA 537.1	2.0	ng/L
9-chlorohexadecafluoro-3-oxanonane-1- sulfonic acid (9Cl-PF3ONS/F53B Minor)	EPA 537.1	2.0	ng/L
4,9-dioxa-3H-perfluorononanoic acid (DONA/ADONA Acid)	EPA 537.1	2.0	ng/L

INORGANIC ANALYSES			
Analytes	Method of Analysis	LOQ	
METALS I			
Mercury	EPA 200.8	0.00025	mg/L
Aluminum	EPA 200.8	0.0050	mg/L
Antimony	EPA 200.8	0.00050	mg/L
Arsenic	EPA 200.8	0.0030	mg/L
Barium	EPA 200.8	0.0020	mg/L
Beryllium	EPA 200.8	0.00050	mg/L
Cadmium	EPA 200.8	0.00050	mg/L
Chromium	EPA 200.8	0.0020	mg/L
Cobalt	EPA 200.8	0.0020	mg/L
Copper	EPA 200.8	0.0020	mg/L
Lead	EPA 200.8	0.0010	mg/L
Manganese	EPA 200.8	0.0020	mg/L
Molybdenum	EPA 200.8	0.0030	mg/L
Nickel	EPA 200.8	0.0030	mg/L
Selenium	EPA 200.8	0.0050	mg/L
Silver	EPA 200.8	0.0030	mg/L
Thallium	EPA 200.8	0.00020	mg/L
Tin	EPA 200.8	0.0020	mg/L
Uranium	EPA 200.8	0.0020	mg/L
Vanadium	EPA 200.8	0.0020	mg/L
Zinc	EPA 200.8	0.010	mg/L
METALS II			
Boron	EPA 200.7	0.0050	mg/L
Calcium	EPA 200.7	0.20	mg/L
Iron	EPA 200.7	0.005	mg/L
Magnesium	EPA 200.7	0.10	mg/L
Phosphorus, Total	EPA 200.7	0.060	mg/L
Potassium	EPA 200.7	0.30	mg/L
Silicon	EPA 200.7	0.060	mg/L
Silver	EPA 200.7	0.0020	mg/L
Sodium	EPA 200.7	0.50	mg/L
PHYSICAL PROPERTIES / QUALITY			
Alkalinity	SM 2320B (22nd) (Mod.)	N/A	mg/L
Conductivity	SM 2510B (22nd)	5.0	µmhos/cm
pH	EPA 150.1	0.10	pH unit
Chlorine, Total	SM 4500-Cl-G (22nd)	0.10	mg/L
Color (Apparent)	SM 2120B (22nd)	5	CU
Cyanide, Free	OIA 1677	0.01	mg/L
Hardness, Total	SM 2340B (22nd)	1.0	mg/L
Odor	SM 2150B (22nd)	1	TON
Saturation Index (Langelier)	Handbook of Environmental Analysis	N/A	SI Units

PHYSICAL PROPERTIES / QUALITY continued			
Total Dissolved Solids	SM 2540C (22nd)	50	mg/L
Total Suspended Solids	SM 2540D (22nd)	2.0	mg/L
Turbidity	EPA 180.1	0.50	NTU
CATIONS			
Ammonia as N	ASTM D6919	0.10	mg/L
ANIONS			
Bromide	EPA 300.0	0.10	mg/L
Chloride	EPA 300.0	1.0	mg/L
Fluoride	EPA 300.0	0.10	mg/L
Sulfate	EPA 300.0	1.0	mg/L
Total Nitrite/Nitrate (as N)	EPA 300.0	0.10	mg/L
Nitrate as N	EPA 300.0	0.10	mg/L
Nitrite as N	EPA 300.0	0.030	mg/L
o-Phosphate as P	EPA 300.0	0.10	mg/L

BIOLOGICAL ANALYSES			
Analytes	Method of Analysis	LOQ	
BACTERIAL CONTAMINATION			
E. coli	EPA 1603 (Mod.) – BA24	0	cfu/100mL
E. coli	EPA 1603 (Mod.) – BA24	0	cfu/250mL
E. coli Confirmation	Internal Method – BA11	N/A	N/A
Total coliforms	SM 9222 (Mod.) – BA24	0	cfu/100mL
Total coliforms	SM 9222 (Mod.) – BA24	0	cfu/250mL
Coliform Confirmation	Internal Method – BA11	N/A	N/A
Heterotrophic Plate Count	SM 9215 B (Mod.) – BA24	1	cfu/mL
P. aeruginosa	SM 9213 E (Mod.) – BA24	0	cfu/100mL
P. aeruginosa	SM 9213 E (Mod.) – BA24	0	cfu/250mL
P. aeruginosa Confirmation	Internal Method – BA11	N/A	N/A
Enterococcus spp.	SM 9230C (Mod.) – BA24	0	cfu/100mL
Enterococcus spp.	SM 9230C (Mod.) – BA24	0	cfu/250mL
Enterococcus spp. Confirmation	Internal Method – BA11	N/A	N/A
Clostridium perfringens	Internal Method – BA17	10	cfu/mL
Clostridium perfringens Confirmation	Internal Method – BA11	N/A	N/A

Non-potable Water Analyses			
ORGANIC ANALYSES			
Analytes	Method of Analysis	LOQ	
PURGEABLE ORGANIC COMPOUNDS (VOLATILES)			
1,1,1-Trichloroethane	EPA 8260D	0.50	µg/L
1,1,2-Trichloroethane	EPA 8260D	0.50	µg/L
1,1-Dichloroethylene	EPA 8260D	0.50	µg/L
1,2-Dichloroethane	EPA 8260D	0.50	µg/L
1,2-Dichloropropane	EPA 8260D	0.50	µg/L
Benzene	EPA 8260D	0.50	µg/L
Carbon tetrachloride	EPA 8260D	0.50	µg/L
Monochlorobenzene	EPA 8260D	0.50	µg/L
Cis-1,2-dichloroethylene	EPA 8260D	0.50	µg/L
Ethylbenzene	EPA 8260D	0.50	µg/L
o-Dichlorobenzene	EPA 8260D	0.50	µg/L
p-Dichlorobenzene	EPA 8260D	0.50	µg/L
Styrene	EPA 8260D	0.50	µg/L
Tetrachloroethylene	EPA 8260D	0.50	µg/L
Toluene	EPA 8260D	0.50	µg/L
Trans-1,2-dichloroethylene	EPA 8260D	0.50	µg/L
Trichloroethylene	EPA 8260D	0.50	µg/L
Vinyl Chloride	EPA 8260D	0.50	µg/L
o-xylene	EPA 8260D	0.50	µg/L
m, p-xylene	EPA 8260D	1.0	µg/L
Xylene (total)	EPA 8260D	1.5	µg/L
1,2,4-Trichlorobenzene	EPA 8260D	0.50	µg/L
1,1,1,2-Tetrachloroethane	EPA 8260D	0.50	µg/L
1,1,2,2-Tetrachloroethane	EPA 8260D	0.50	µg/L
1,1-Dichloroethane	EPA 8260D	0.50	µg/L
1,1-Dichloropropene	EPA 8260D	0.50	µg/L
1,2,3-Trichlorobenzene	EPA 8260D	0.50	µg/L
1,2,3-Trichloropropane	EPA 8260D	0.50	µg/L
1,3-Dichloropropane	EPA 8260D	0.50	µg/L
2,2-Dichloropropane	EPA 8260D	0.50	µg/L
2-chlorotoluene	EPA 8260D	0.50	µg/L
4-chlorotoluene	EPA 8260D	0.50	µg/L
4-Isopropyltoluene	EPA 8260D	0.50	µg/L
Bromobenzene	EPA 8260D	0.50	µg/L
Bromochloromethane	EPA 8260D	0.50	µg/L
Bromomethane	EPA 8260D	0.50	µg/L
Chloroethane	EPA 8260D	0.50	µg/L
Chloromethane	EPA 8260D	0.50	µg/L
cis-1,3-Dichloropropene	EPA 8260D	0.50	µg/L

PURGEABLE ORGANIC COMPOUNDS (VOLATILES) continued			
Dibromomethane	EPA 8260D	0.50	µg/L
Dichlorodifluoromethane	EPA 8260D	0.50	µg/L
Hexachlorobutadiene	EPA 8260D	0.50	µg/L
Isopropylbenzene	EPA 8260D	0.50	µg/L
m-dichlorobenzene	EPA 8260D	0.50	µg/L
Methyl tert-butyl ether (MTBE)	EPA 8260D	0.50	µg/L
Naphthalene	EPA 8260D	0.50	µg/L
n-Butylbenzene	EPA 8260D	0.50	µg/L
n-Propylbenzene	EPA 8260D	0.50	µg/L
sec-Butylbenzene	EPA 8260D	0.50	µg/L
tert-Butylbenzene	EPA 8260D	0.50	µg/L
trans-1,3-Dichloropropene	EPA 8260D	0.50	µg/L
Trichlorofluoromethane	EPA 8260D	0.50	µg/L
Bromodichloromethane	EPA 8260D	0.50	µg/L
Bromoform	EPA 8260D	0.50	µg/L
Chlorodibromomethane	EPA 8260D	0.50	µg/L
Total Trihalomethanes (TTHM)	EPA 8260D	2.0	µg/L
Chloroform	EPA 8260D	0.50	µg/L
1,2,4-Trimethylbenzene	EPA 8260D	0.50	µg/L
1,3,5-Trimethylbenzene	EPA 8260D	0.50	µg/L
Dichloromethane	EPA 8260D	0.50	µg/L
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260D	0.50	µg/L
1,2-Dibromoethane (EDB)	EPA 8260D	0.50	µg/L
ATRAZINE / SIMAZINE			
Atrazine	EPA 505 (Mod.)	0.50	µg/L
Simazine	EPA 505 (Mod.)	0.50	µg/L
ORGANOHALIDE PESTICIDES / PCB			
Heptachlor	EPA 505	0.10	µg/L
Alachlor	EPA 505	0.10	µg/L
Aldrin	EPA 505	0.10	µg/L
Dieldrin	EPA 505	0.10	µg/L
Endrin	EPA 505	0.10	µg/L
Heptachlor Epoxide	EPA 505	0.10	µg/L
Hexachlorobenzene	EPA 505	0.10	µg/L
Hexachlorocyclopentadiene	EPA 505	1.0	µg/L
Lindane (gamma-BHC)	EPA 505	0.10	µg/L
Methoxychlor	EPA 505	0.10	µg/L
Chlordane	EPA 505	0.50	µg/L
Toxaphene	EPA 505	3.0	µg/L
PCB (as Aroclors)	EPA 505	0.50	µg/L
PCB-1016	EPA 505	0.50	µg/L
PCB-1221	EPA 505	0.50	µg/L
PCB-1232	EPA 505	0.50	µg/L
PCB-1242	EPA 505	0.50	µg/L
PCB-1248	EPA 505	0.50	µg/L

ORGANOHALIDE PESTICIDES / PCB continued			
PCB-1254	EPA 505	0.50	µg/L
PCB-1260	EPA 505	0.50	µg/L
POLYCYCLIC AROMATIC HYDROCARBONS (PAH)			
Benz[a]anthracene	EPA 550	0.010	µg/L
Benzo[b]fluoranthene	EPA 550	0.010	µg/L
Benzo[k]fluoranthene	EPA 550	0.010	µg/L
Benzo[g,h,i]perylene	EPA 550	0.010	µg/L
Benzo[a]pyrene	EPA 550	0.010	µg/L
Chrysene	EPA 550	0.010	µg/L
Indeno[1,2,3- cd]pyrene	EPA 550	0.010	µg/L
SEMIVOLATILE COMPOUNDS (SVOC) / PLASTICERS			
Benz[a]anthracene	EPA 525.2 (Mod.)	0.25	µg/L
Benzo[b]fluoranthene	EPA 525.2 (Mod.)	0.25	µg/L
Benzo[k]fluoranthene	EPA 525.2 (Mod.)	0.25	µg/L
Benzo[g,h,i]perylene	EPA 525.2 (Mod.)	0.25	µg/L
Benzo[a]pyrene	EPA 525.2 (Mod.)	0.25	µg/L
Chrysene	EPA 525.2 (Mod.)	0.25	µg/L
Indeno[1,2,3- cd]pyrene	EPA 525.2 (Mod.)	0.25	µg/L
Di (2-ethylhexyl) adipate	EPA 525.2 (Mod.)	2.0	µg/L
Di (2-ethylhexyl) phthalate	EPA 525.2 (Mod.)	2.0	µg/L
Di (2-ethylhexyl) adipate	EPA 525.2	3.0	µg/L
Di (2-ethylhexyl) phthalate	EPA 525.2	3.0	µg/L
N-METHYLCARBAMOYLOXIMES / N-METHYLCARBAMATES (CARBAMATE PESTICIDES)			
Aldicarb	EPA 531.2	0.10	µg/L
Aldicarb Sulfone	EPA 531.2	0.10	µg/L
Aldicarb Sulfoxide	EPA 531.2	0.10	µg/L
Baygon (Propoxur)	EPA 531.2	0.10	µg/L
Carbaryl	EPA 531.2	0.10	µg/L
Carbofuran	EPA 531.2	0.10	µg/L
3-Hydroxycarbofuran	EPA 531.2	0.10	µg/L
Methiocarb	EPA 531.2	0.10	µg/L
Methomyl	EPA 531.2	0.10	µg/L
Oxamyl (Vydate)	EPA 531.2	0.10	µg/L
CARBAMATE PESTICIDES / HERBICIDES			
Glyphosate	EPA 547	5.0	µg/L
Aminomethylphosphonic acid (AMPA)	EPA 547	5.0	µg/L
CHLORINATED ACID HERBICIDES			
Bentazon	EPA 515.4	0.50	µg/L
2,4-D	EPA 515.4	0.50	µg/L
Dichlorprop	EPA 515.4	0.50	µg/L
Dinoseb	EPA 515.4	0.50	µg/L
Pentachlorophenol	EPA 515.4	0.50	µg/L
Picloram	EPA 515.4	0.50	µg/L
2,4,5-T	EPA 515.4	0.50	µg/L

CHLORINATED ACID HERBICIDES continued			
2,4,5-TP (Silvex)	EPA 515.4	0.50	µg/L
HALOACETIC ACIDS (HAA5)			
Dalapon	EPA 552.3	0.10	µg/L

INORGANIC ANALYSES			
Analytes	Method of Analysis	LOQ	
METALS			
Aluminum	EPA 200.7	0.060	mg/L
Antimony	EPA 200.7	0.030	mg/L
Arsenic	EPA 200.7	0.030	mg/L
Barium	EPA 200.7	0.0020	mg/L
Beryllium	EPA 200.7	0.0020	mg/L
Boron	EPA 200.7	0.0050	mg/L
Cadmium	EPA 200.7	0.0020	mg/L
Calcium	EPA 200.7	0.20	mg/L
Chromium	EPA 200.7	0.0020	mg/L
Cobalt	EPA 200.7	0.0060	mg/L
Copper	EPA 200.7	0.0030	mg/L
Iron	EPA 200.7	0.0050	mg/L
Lead	EPA 200.7	0.020	mg/L
Magnesium	EPA 200.7	0.10	mg/L
Manganese	EPA 200.7	0.0020	mg/L
Molybdenum	EPA 200.7	0.020	mg/L
Nickel	EPA 200.7	0.0060	mg/L
Phosphorus, Total	EPA 200.7	0.060	mg/L
Potassium	EPA 200.7	0.30	mg/L
Selenium	EPA 200.7	0.030	mg/L
Silicon	EPA 200.7	0.060	mg/L
Silver	EPA 200.7	0.0020	mg/L
Sodium	EPA 200.7	0.50	mg/L
Thallium	EPA 200.7	0.020	mg/L
Tin	EPA 200.7	0.020	mg/L
Uranium	EPA 200.7	0.060	mg/L
Vanadium	EPA 200.7	0.0020	mg/L
Zinc	EPA 200.7	0.030	mg/L
Silver (Dissolved) FOR DENTCOM	EPA 200.7	0.0020	mg/L

PHYSICAL PROPERTIES / QUALITY			
Alkalinity	SM 2320B (22nd) (Mod.)	N/A	mg/L
Conductivity	SM 2510B (22nd)	5.0	µmhos/cm
pH	EPA 150.1	0.10	pH unit
Color (Apparent)	SM 2120B (22nd)	5	CU
Cyanide, Free	OIA 1677	0.01	mg/L
Hardness, Total	SM 2340B (22nd)	1.0	mg/L
Odor	SM 2150B (22nd)	1	TON
Total Dissolved Solids	SM 2540C (22nd)	50	mg/L
Total Suspended Solids	SM 2540D (22nd)	2.0	mg/L
Turbidity	EPA 180.1	0.50	NTU
CATIONS			
Ammonia as N	ASTM D6919	0.10	mg/L
ANIONS			
Bromide	EPA 300.0	0.10	mg/L
Chloride	EPA 300.0	1.0	mg/L
Fluoride	EPA 300.0	0.10	mg/L
Sulfate	EPA 300.0	1.0	mg/L
Total Nitrite/Nitrate (as N)	EPA 300.0	0.10	mg/L
Nitrate as N	EPA 300.0	0.10	mg/L
Nitrite as N	EPA 300.0	0.030	mg/L
o-Phosphate as P	EPA 300.0	0.10	mg/L

BIOLOGICAL ANALYSES			
* This analysis is suitable for dental water			
Analytes	Method of Analysis	LOQ	
BACTERIAL CONTAMINATION			
E. coli	EPA 1603 (Mod.) – BA24	0	cfu/100mL
E. coli	EPA 1603 (Mod.) – BA24	0	cfu/250mL
E. coli Confirmation	Internal Method – BA11	N/A	N/A
Total coliforms	SM 9222 (Mod.) – BA24	0	cfu/100mL
Total coliforms	SM 9222 (Mod.) – BA24	0	cfu/250mL
Coliform Confirmation	Internal Method – BA11	N/A	N/A
Heterotrophic Plate Count	SM 9215 B (Mod.) – BA24	1	cfu/mL
Heterotrophic Plate Count *	SM 9215 E – BA43	2	MPN/mL
P. aeruginosa	SM 9213 E (Mod.) – BA24	0	cfu/100mL
P. aeruginosa	SM 9213 E (Mod.) – BA24	0	cfu/250mL
P. aeruginosa Confirmation	Internal Method – BA11	N/A	N/A
Enterococcus spp. -	SM 9230C (Mod.) – BA24	0	cfu/100mL
Enterococcus spp.	SM 9230C (Mod.) – BA24	0	cfu/250mL
Enterococcus spp. Confirmation	Internal Method – BA11	N/A	N/A

Soils Analyses			
ORGANIC ANALYSES			
Analytes	Method of Analysis	LOQ	
PURGEABLE ORGANIC COMPOUNDS (VOLATILES)			
1,1,1-Trichloroethane	EPA 8260D	2.0	mg/kg
1,1,2-Trichloroethane	EPA 8260D	2.0	mg/kg
1,1-Dichloroethylene	EPA 8260D	2.0	mg/kg
1,2,4-Trichlorobenzene	EPA 8260D	2.0	mg/kg
1,2-Dichloroethane	EPA 8260D	2.0	mg/kg
1,2-dichloropropane	EPA 8260D	2.0	mg/kg
Benzene	EPA 8260D	2.0	mg/kg
Carbon tetrachloride	EPA 8260D	2.0	mg/kg
Monochlorobenzene	EPA 8260D	2.0	mg/kg
Cis-1,2-dichloroethylene	EPA 8260D	2.0	mg/kg
Ethylbenzene	EPA 8260D	2.0	mg/kg
o-Dichlorobenzene	EPA 8260D	2.0	mg/kg
p-Dichlorobenzene	EPA 8260D	2.0	mg/kg
Styrene	EPA 8260D	2.0	mg/kg
Tetrachloroethylene	EPA 8260D	2.0	mg/kg
Toluene	EPA 8260D	2.0	mg/kg
Trans-1,2-dichloroethylene	EPA 8260D	2.0	mg/kg
Trichloroethylene	EPA 8260D	2.0	mg/kg
Vinyl Chloride	EPA 8260D	2.0	mg/kg
o-xylene	EPA 8260D	2.0	mg/kg
m, p-xylene	EPA 8260D	4.0	mg/kg
Xylenes, total	EPA 8260D	6.0	mg/kg
1,1,1,2-Tetrachloroethane	EPA 8260D	2.0	mg/kg
1,1,2,2-Tetrachloroethane	EPA 8260D	2.0	mg/kg
1,1-Dichloroethane	EPA 8260D	2.0	mg/kg
1,1-Dichloropropene	EPA 8260D	2.0	mg/kg
1,2,3-Trichlorobenzene	EPA 8260D	2.0	mg/kg
1,2,3-Trichloropropane	EPA 8260D	2.0	mg/kg
1,3-Dichloropropane	EPA 8260D	2.0	mg/kg
2,2-Dichloropropane	EPA 8260D	2.0	mg/kg
2-chlorotoluene	EPA 8260D	2.0	mg/kg
4-chlorotoluene	EPA 8260D	2.0	mg/kg
4-Isopropyltoluene	EPA 8260D	2.0	mg/kg
Bromobenzene	EPA 8260D	2.0	mg/kg
Bromochloromethane	EPA 8260D	2.0	mg/kg
Bromomethane	EPA 8260D	2.0	mg/kg
Chloroethane	EPA 8260D	2.0	mg/kg
Chloromethane	EPA 8260D	2.0	mg/kg
cis-1,3-Dichloropropene	EPA 8260D	2.0	mg/kg

PURGEABLE ORGANIC COMPOUNDS (VOLATILES) continued			
Dibromomethane	EPA 8260D	2.0	mg/kg
Dichlorodifluoromethane	EPA 8260D	2.0	mg/kg
Hexachlorobutadiene	EPA 8260D	2.0	mg/kg
Isopropylbenzene	EPA 8260D	2.0	mg/kg
m-dichlorobenzene	EPA 8260D	2.0	mg/kg
Methyl tert-butyl ether (MTBE)	EPA 8260D	2.0	mg/kg
Naphthalene	EPA 8260D	2.0	mg/kg
n-Butylbenzene	EPA 8260D	2.0	mg/kg
n-Propylbenzene	EPA 8260D	2.0	mg/kg
sec-Butylbenzene	EPA 8260D	2.0	mg/kg
tert-Butylbenzene	EPA 8260D	2.0	mg/kg
trans-1,3-Dichloropropene	EPA 8260D	2.0	mg/kg
Trichlorofluoromethane	EPA 8260D	2.0	mg/kg
Bromodichloromethane	EPA 8260D	2.0	mg/kg
Bromoform	EPA 8260D	2.0	mg/kg
Chlorodibromomethane	EPA 8260D	2.0	mg/kg
Total Trihalomethanes (TTHM)	EPA 8260D	8.0	mg/kg
Chloroform	EPA 8260D	2.0	mg/kg
1,2,4-Trimethylbenzene	EPA 8260D	2.0	mg/kg
1,3,5-Trimethylbenzene	EPA 8260D	2.0	mg/kg
Dichloromethane	EPA 8260D	2.0	mg/kg
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260D	2.0	mg/kg
1,2-Dibromoethane (EDB)	EPA 8260D	2.0	mg/kg

INORGANIC ANALYSES			
Analytes	Method of Analysis	LOQ	
METALS			
Dry / Wet Ratio	EPA 3540C	N/A	%

Food Analyses			
BIOLOGICAL ANALYSES			
MICROBIAL CONTAMINATION			
Analytes	Method of Analysis	LOQ	
CANNED INFANT FORMULA			
Aerobic Bacteria (APC)	Enumeration – BA07	100	cfu/g
Coliforms	Enumeration – BA05	10	cfu/g
Staphylococcus spp.	Enumeration – BA16	1000	cfu/g
Bacillus cereus	Enumeration & Identification – BA10	100	cfu/g
E. coli O157:H7	Enrichment, Isolation, Identification – BA14	Non-Detect	in 25g
Listeria monocytogenes	Enrichment, Isolation, Identification – BA09	Non-Detect	in 25g
Salmonella spp.	Enrichment, Isolation, Identification – BA13	Non-Detect	in 25g
COTTAGE CHEESE AND RICOTTA CHEESE			
Coliforms	Enumeration – BA05	10	cfu/g
Yeasts and molds	Enumeration – BA18	10	cfu/g
HARD CHEESE, SOFT CHEESE, NATURAL CHEESE, AND PROCESSED CHEESE			
E. coli	Enumeration – BA05	10	cfu/g
Staphylococcus aureus	Enumeration – BA16	1000	cfu/g
Bacillus cereus	Enumeration – BA10	1000	cfu/g
E. coli O157:H7	Enrichment, Isolation, Identification – BA14	Non-Detect	in 25g
Listeria monocytogenes	Enrichment, Isolation, Identification -BA09	Non-Detect	in 25g
Salmonella spp.	Enrichment, Isolation, Identification – BA13	Non-Detect	in 25g
BUTTERMILK – AS “GRADE A PAST. MILK AND/OR MILK PRODUCTS”			
Coliforms	Enumeration – BA05	10	cfu/g
CHILLED YOGURT, YOGURT DRINKS, AND FROZEN YOGURT (FLAVORED)			
Coliforms	Enumeration – BA05	10	cfu/g
Yeasts and molds	Enumeration – BA18	10	cfu/g
SOUR CREAM			
Coliforms	Enumeration – BA05	10	cfu/g
Yeasts and molds	Enumeration – BA18	10	cfu/g
BUTTER			
Coliforms	Enumeration – BA05	10	cfu/g
CONDENSED / CONCENTRATED MILK			
Coliforms	Enumeration – BA05	10	cfu/g
EGGNOG – AS “GRADE A PAST. MILK AND/OR MILK PRODUCTS”			
Coliforms	Enumeration – BA05	10	cfu/g

MILK AND CREAM, PASTEURIZED AND ULTRA-PASTEURIZED, INCLUDING FLAVORED			
Coliforms	Enumeration - BA05	10	cfu/g
Aerobic Bacteria (SPC)	Enumeration - BA07	2500	cfu/g
ICE CREAM, FLAVORED ICE CREAM MIX, AND ICE CREAM NOVELTIES			
Coliforms	Enumeration – BA05	10	cfu/g
Aerobic Bacteria (SPC)	Enumeration – BA07	2500	cfu/g
Salmonella spp.	Enrichment, Isolation, Identification – BA13	Non-Detect	in 25g
BAGGED SALAD, FRESH OR PROCESSED FRUITS AND VEGETABLES			
E. coli	Enumeration – BA05	10	cfu/g
Staphylococcus aureus	Enumeration – BA16	1000	cfu/g
E. coli O157:H7	Enrichment, Isolation, Identification – BA14	Non-Detect	in 25g
Listeria monocytogenes	Enrichment, Isolation, Identification – BA09	Non-Detect	in 25g
Salmonella spp.	Enrichment, Isolation, Identification – BA46	Non-Detect	in 25g
KIMCHEE			
Coliforms / E. coli	Enumeration – BA05	10	cfu/g
Staphylococcus aureus	Enumeration – BA16	1000	cfu/g
Bacillus cereus	Enumeration – BA10	1000	cfu/g
Listeria monocytogenes	Enrichment, Isolation, Identification – BA09	Non-Detect	in 25g
Salmonella spp.	Enrichment, Isolation, Identification – BA46	Non-Detect	in 25g
JUICES, NECTARS, AND SMOOTHIES			
E. coli O157:H7	Enrichment, Isolation, Identification – BA14	Non-Detect	in 25g
Salmonella spp.	Enrichment, Isolation, Identification – BA13	Non-Detect	in 25g
EGGS			
Salmonella spp.	Enrichment, Isolation, Identification – BA13	Non-Detect	in 25g
RAW BEEF			
Coliforms / E. coli	Enumeration – BA05	10	cfu/g
Aerobic Bacteria (APC)	Enumeration – BA07	1000	cfu/g
E. coli O157:H7	Enrichment, Isolation, Identification – BA14	Non-Detect	in 25g
Salmonella spp.	Enrichment, Isolation, Identification – BA46	Non-Detect	in 25g
CURED / SALTED / SMOKED FISH			
Staphylococcus aureus	Enumeration – BA16	1000	cfu/g
Salmonella spp.	Enrichment, Isolation, Identification – BA46	Non-Detect	in 25g
Clostridium perfringens (anaerobic products only)	Enumeration & Identification – BA17	100	cfu/g

RAW FIN-FISH AND SHELLFISH (FRESH OR FROZEN)			
Staphylococcus aureus	Enumeration – BA16	1000	cfu/g
Salmonella spp.	Enrichment, Isolation, Identification – BA46	Non-Detect	in 25g
RAW CLAMS, OYSTERS, MUSSELS, AND SCALLOPS (FRESH OR FROZEN)			
Aerobic Bacteria (APC)	Enumeration – BA07	1000	cfu/g
E. coli	Enumeration – BA05	10	cfu/g
Staphylococcus aureus	Enumeration – BA16	1000	cfu/g
Salmonella spp.	Enrichment, Isolation, Identification – BA46	Non-Detect	in 25g
RAW PORK, POULTRY, LAMB, GOAT (NOT BEEF OR FISH)			
Staphylococcus aureus	Enumeration – BA16	1000	cfu/g
Campylobacter jejuni	Enrichment, Isolation, Identification – BA38	Non-Detect	in 25g
Clostridium perfringens (anaerobic products only)	Enumeration & Identification – BA17	100	cfu/g
Bacillus cereus	Enumeration – BA10	1000	cfu/g
Listeria monocytogenes	Enrichment, Isolation, Identification – BA09	Non-Detect	in 25g
Salmonella spp.	Enrichment, Isolation, Identification – BA46	Non-Detect	in 25g
READY TO EAT BEEF (BULK IS BEEF)			
Staphylococcus aureus	Enumeration – BA16	1000	cfu/g
Bacillus cereus	Enumeration & Identification – BA10	1000	cfu/g
Bacillus cereus	Enumeration – BA42	50	cfu/g
Campylobacter jejuni	Enrichment, Isolation, Identification – BA38	Non-Detect	in 25g
Clostridium perfringens (anaerobic products only)	Enumeration & Identification – BA17	100	cfu/g
E. coli O157:H7	Enrichment, Isolation, Identification – BA14	Non-Detect	in 25g
Listeria monocytogenes	Enrichment, Isolation, Identification – BA09	Non-Detect	in 25g
Salmonella spp.	Enrichment, Isolation, Identification – BA46	Non-Detect	in 25g
READY TO EAT FISH (BULK IS FISH)			
Staphylococcus aureus	Enumeration – BA16	1000	cfu/g
Salmonella spp.	Enrichment, Isolation, Identification – BA46	Non-Detect	in 25g
Listeria monocytogenes	Enrichment, Isolation, Identification – BA09	Non-Detect	in 25g

READY TO EAT MEAT, OTHER THAN BEEF OR FISH (BULK IS MEAT)			
Staphylococcus aureus	Enumeration – BA16	1000	cfu/g
Bacillus cereus	Enumeration – BA42	5000	cfu/g
Campylobacter jejuni	Enrichment, Isolation, Identification – BA-38	Non-Detect	in 25g
Listeria monocytogenes	Enrichment, Isolation, Identification – BA09	Non-Detect	in 25g
Salmonella spp.	Enrichment, Isolation, Identification – BA46	Non-Detect	in 25g
Clostridium perfringens (anaerobic products only)	Enumeration & Identification – BA-17	100	cfu/g
TOFU			
Staphylococcus aureus	Enumeration – BA16	1000	cfu/g
Bacillus cereus	Enumeration – BA42	50	cfu/g
Campylobacter jejuni	Enrichment, Isolation, Identification – BA-38	Non-Detect	in 25g
Listeria monocytogenes	Enrichment, Isolation, Identification – BA09	Non-Detect	in 25g
Salmonella spp.	Enrichment, Isolation, Identification – BA46	Non-Detect	in 25g
Clostridium perfringens (anaerobic products only)	Enumeration & Identification – BA-17	100	cfu/g
READY TO EAT PRODUCTS WITH BEEF (BULK IS NOT MEAT)			
Staphylococcus aureus	Enumeration – BA16	1000	cfu/g
E. coli O157:H7	Enrichment, Isolation, Identification – BA14	Non-Detect	in 25g
Bacillus cereus	Enumeration – BA42	50	cfu/g
Campylobacter jejuni	Enrichment, Isolation, Identification – BA-38	Non-Detect	in 25g
Listeria monocytogenes	Enrichment, Isolation, Identification – BA09	Non-Detect	in 25g
Salmonella spp.	Enrichment, Isolation, Identification – BA46	Non-Detect	in 25g
Clostridium perfringens (anaerobic products only)	Enumeration & Identification – BA-17	100	cfu/g
READY TO COOK PRODUCTS WITH BEEF (BULK IS NOT MEAT)			
Staphylococcus aureus	Enumeration – BA16	1000	cfu/g
E. coli O157:H7	Enrichment, Isolation, Identification – BA14	Non-Detect	in 25g
Bacillus cereus	Enumeration – BA42	50	cfu/g
Listeria monocytogenes	Enrichment, Isolation, Identification – BA09	Non-Detect	in 25g
Salmonella spp.	Enrichment, Isolation, Identification – BA46	Non-Detect	in 25g
Clostridium perfringens (anaerobic products only)	Enumeration & Identification – BA-17	100	cfu/g

READY TO EAT PRODUCTS WITHOUT BEEF (BULK IS NOT MEAT)			
Staphylococcus aureus	Enumeration – BA16	1000	cfu/g
Bacillus cereus	Enumeration – BA42	50	cfu/g
Campylobacter jejuni	Enrichment, Isolation, Identification – BA-38	Non-Detect	in 25g
Listeria monocytogenes	Enrichment, Isolation, Identification – BA09	Non-Detect	in 25g
Salmonella spp.	Enrichment, Isolation, Identification – BA46	Non-Detect	in 25g
Clostridium perfringens (anaerobic products only)	Enumeration & Identification – BA-17	100	cfu/g
READY TO COOK PRODUCTS WITHOUT BEEF (BULK IS NOT MEAT)			
Staphylococcus aureus	Enumeration – BA16	1000	cfu/g
Bacillus cereus	Enumeration – BA42	50	cfu/g
Listeria monocytogenes	Enrichment, Isolation, Identification – BA09	Non-Detect	in 25g
Salmonella spp.	Enrichment, Isolation, Identification – BA46	Non-Detect	in 25g
Clostridium perfringens (anaerobic products only)	Enumeration & Identification – BA-17	100	cfu/g

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Ice Analyses			
CHEMICAL ANALYSES			
INORGANIC ANALYSES			
Analytes	Method of Analysis	LOQ	
METALS			
Mercury	EPA 200.8	0.00025	µg/L
Antimony	EPA 200.8	0.0050	µg/L
Arsenic	EPA 200.8	0.0030	µg/L
Barium	EPA 200.8	0.0020	µg/L
Beryllium	EPA 200.8	0.00050	µg/L
Cadmium	EPA 200.8	0.00050	µg/L
Chromium	EPA 200.8	0.0020	µg/L
Copper	EPA 200.8	0.0020	µg/L
Lead	EPA 200.8	0.0010	µg/L
Manganese	EPA 200.8	0.0020	µg/L
Nickel	EPA 200.8	0.0030	µg/L
Selenium	EPA 200.8	0.0050	µg/L
Thallium	EPA 200.8	0.00020	µg/L
Uranium	EPA 200.8	0.0020	µg/L
Zinc	EPA 200.8	0.010	µg/L
PHYSICAL PROPERTIES / QUALITY			
Cyanide, Free	OIA 1677	0.01	mg/L
Turbidity	EPA 180.1	0.50	NTU
ANIONS			
Chloride	EPA 300.0	1.0	mg/L
Fluoride	EPA 300.0	0.10	mg/L
Sulfate	EPA 300.0	1.0	mg/L
Total Nitrite/Nitrate (as N)	EPA 300.0	0.10	mg/L

BIOLOGICAL ANALYSES			
Analytes	Method of Analysis	LOQ	
BACTERIAL CONTAMINATION			
E. coli	EPA 1603 (Mod.) – BA24	0	cfu/100mL
E. coli	EPA 1603 (Mod.) – BA24	0	cfu/250mL
E. coli Confirmation	Internal Method – BA11	N/A	N/A
Total coliforms	SM 9222 (Mod.) – BA24	0	cfu/100mL
Total coliforms	SM 9222 (Mod.) – BA24	0	cfu/250mL
Coliform Confirmation	Internal Method – BA11	N/A	N/A
Heterotrophic Plate Count	SM 9215 B (Mod.) – BA24	1	cfu/mL
P. aeruginosa	SM 9213 E (Mod.) – BA24	0	cfu/100mL
P. aeruginosa	SM 9213 E (Mod.) – BA24	0	cfu/250mL
P. aeruginosa Confirmation	Internal Method – BA11	N/A	N/A
Enterococcus spp.	SM 9230C (Mod.) – BA24	0	cfu/100mL
Enterococcus spp.	SM 9230C (Mod.) – BA24	0	cfu/250mL
Enterococcus spp. Confirmation	Internal Method – BA11	N/A	N/A

Surface Swab Analyses			
BIOLOGICAL ANALYSES			
* Compendium of Methods for Microbiological Examination of Food, Chapter 8			
Analytes	Method of Analysis	LOQ	
MICROBIAL CONTAMINATION			
Aerobic Plate Count	CoMfMEoF8* - BA07	100	cfu/50cm2
E.coli/ Coliform Count	CoMfMEoF8* - BA05	10	cfu/50cm2
Listeria spp.	AOAC 2004.06 – BA09	qualitative	
Listeria spp. Confirmation	AOAC 2004.06 – BA11	N/A	N/A
Salmonella spp.	AOAC 071101 – BA46	qualitative	
Salmonella spp. Confirmation	AOAC 071101 – BA11	N/A	N/A

Sponge-Stick Analyses			
BIOLOGICAL ANALYSES			
* Compendium of Methods for Microbiological Examination of Food, Chapter 8			
Analytes	Method of Analysis	LOQ	
MICROBIAL CONTAMINATION			
E. coli O157:H7	AOAC 060903 – BA14	qualitative	
E. coli O157:H7 confirmation	AOAC 060903 – BA11	N/A	N/A
Listeria spp.	AOAC 2004.06 – BA09	qualitative	
Listeria spp. Confirmation	AOAC 2004.06 – BA11	N/A	N/A
Salmonella spp.	AOAC 071101 – BA46	qualitative	
Salmonella spp. Confirmation	AOAC 071101 – BA11	N/A	N/A

Vector-borne Disease Testing			
MOLECULAR BIOLOGICAL ANALYSES			
DETECTION OF PATHOGENIC ORGANISM IN ARTHROPODS			
Analytes	Method of Analysis	LOQ	
MOSQUITOES			
Chikungunya virus RNA	RT rt-PCR – BA35	100	copies
Dengue fever virus RNA	RT rt-PCR – BA35	100	copies
Plasmodium spp. (Malaria) DNA	rt-PCR – BA35	100	copies
West Nile fever virus RNA	RT rt-PCR – BA35	100	copies
Zika virus RNA	RT rt-PCR – BA35	100	copies
SAND FLIES			
Leishmania spp. DNA	rt-PCR – BA35	100	copies
Sicilian Sand fly fever virus RNA	RT rt-PCR – BA35	100	copies
TICKS			
Anaplasma phagocytophilum DNA	rt-PCR – BA35	100	copies
Borrelia spp. (Lyme disease) DNA	rt-PCR – BA35	100	copies
Crimean Congo hemorrhagic fever virus RNA	RT rt-PCR – BA35	100	copies
Ehrlichia spp. DNA	rt-PCR – BA35	100	copies
Rickettsia spp. DNA	rt-PCR – BA35	100	copies
Tick-borne Encephalitis virus RNA	RT rt-PCR – BA35	100	copies

Rabies Testing		
MOLECULAR BIOLOGICAL ANALYSES		
DETECTION OF PATHOGENIC ORGANISM IN BRAIN TISSUE		
Analytes	Method of Analysis	LOQ
Rabies Epitope Detection	Direct Fluorescent Antibody (DFA) – BA29	Qualitative
Rabies Transcript Detection RNA	RT rt-PCR – BA48	Qualitative