Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102820\
Data File : BG047107.D
Acq On : 28 Oct 2020 14:05
Operator : CG/JU
Sample : L4214-09
Misc : MDL-MDL-WATER 4PPM
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
MDL-WATER-03-QT4-2020

**Manual Integrations APPROVED**
mohammad
10/29/2020 10:43:50 AM

Quant Time: Oct 28 14:45:48 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 28 12:53:38 2020
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.059 | 152 | 43645 | 20.00 | ng | | # 0.00 |
| 21) Naphthalene-d8 | 10.867 | 136 | 170008 | 20.00 | ng | | # 0.00 |
| 39) Acenaphthene-d10 | 14.686 | 164 | 123030 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.430 | 188 | 325559 | 20.00 | ng | | # 0.00 |
| 76) Chrysene-d12 | 21.696 | 240 | 402447 | 20.00 | ng | | # 0.00 |
| 86) Perylene-d12 | 24.933 | 264 | 407069 | 20.00 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.614 | 112 | 337356 | 137.02 | ng | | 0.00 |
| 7) Phenol-d6 | 7.207 | 99 | 465845 | 130.84 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.216 | 82 | 337088 | 94.95 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.173 | 330 | 277815 | 140.88 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.311 | 172 | 860156 | 98.85 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.039 | 244 | 1927228 | 93.12 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.499 | 88 | 4587 | 4.12 | ng | | 95 |
| 3) Pyridine | 3.905 | 79 | 10942 | 3.62 | ng | # | 83 |
| 4) n-Nitrosodimethylamine | 3.811 | 42 | 6067 | 3.79 | ng | # | 46 |
| 6) Aniline | 7.377 | 93 | 17139 | 4.07 | ng | # | 95 |
| 8) 2-Chlorophenol | 7.618 | 128 | 9500 | 3.63 | ng | | 94 |
| 9) Benzaldehyde | 7.189 | 77 | 11061 | 5.54 | ng | | 82 |
| 10) Phenol | 7.236 | 94 | 11575 | 3.44 | ng | # | 57 |
| 11) bis(2-Chloroethyl)ether | 7.471 | 93 | 10232 | 3.87 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 7.947 | 146 | 11145 | 3.34 | ng | # | 86 |
| 13) 1,4-Dichlorobenzene | 8.094 | 146 | 12103m | 3.59 | ng | | |
| 14) 1,2-Dichlorobenzene | 8.411 | 146 | 11904 | 3.73 | ng | | 97 |
| 15) Benzyl Alcohol | 8.294 | 79 | 9100 | 3.28 | ng | # | 83 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.582 | 45 | 14497 | 3.46 | ng | | 94 |
| 17) 2-Methylphenol | 8.493 | 107 | 7196 | 3.11 | ng | # | 84 |
| 18) Hexachloroethane | 9.146 | 117 | 4662 | 3.70 | ng | | 85 |
| 19) n-Nitroso-di-n-propyla... | 8.852 | 70 | 8246 | 3.40 | ng | | 95 |
| 20) 3+4-Methylphenols | 8.822 | 107 | 10551 | 3.38 | ng | # | 89 |
| 22) Acetophenone | 8.875 | 105 | 16521 | 3.61 | ng | # | 95 |
| 24) Nitrobenzene | 9.263 | 77 | 13058 | 3.54 | ng | | 95 |
| 25) Isophorone | 9.780 | 82 | 21928 | 3.45 | ng | # | 95 |
| 26) 2-Nitrophenol | 9.980 | 139 | 5050 | 3.16 | ng | # | 60 |
| 27) 2,4-Dimethylphenol | 10.027 | 122 | 8081 | 3.70 | ng | | 89 |
| 28) bis(2-Chloroethoxy)met... | 10.262 | 93 | 13958 | 3.56 | ng | | 94 |
| 29) 2,4-Dichlorophenol | 10.515 | 162 | 10759 | 3.58 | ng | | 81 |
| 30) 1,2,4-Trichlorobenzene | 10.732 | 180 | 13627 | 3.68 | ng | | 99 |
| 31) Naphthalene | 10.920 | 128 | 32878 | 3.70 | ng | | 97 |
| 33) 4-Chloroaniline | 11.026 | 127 | 12579 | 3.25 | ng | # | 89 |
| 34) Hexachlorobutadiene | 11.202 | 225 | 9289 | 3.34 | ng | | 95 |
| 35) Caprolactam | 11.760 | 113 | 3521 | 3.52 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 12.136 | 107 | 9678 | 3.10 | ng | # | 97 |
| 37) 2-Methylnaphthalene | 12.518 | 142 | 24827 | 3.60 | ng | | 95 |
| 38) 1-Methylnaphthalene | 12.736 | 142 | 23676 | 3.62 | ng | # | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 12.888 | 216 | 16113 | 3.59 | ng | | 96 |
| 41) Hexachlorocyclopentadiene | 12.865 | 237 | 7752 | 3.16 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.123 | 196 | 9047 | 3.09 | ng | # | 94 |
| 44) 2,4,5-Trichlorophenol | 13.194 | 196 | 10394 | 3.49 | ng | # | 78 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102820\
Data File : BG047107.D
Acq On : 28 Oct 2020 14:05
Operator : CG/JU
Sample : L4214-09
Misc : MDL-MDL-WATER 4PPM
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
MDL-WATER-03-QT4-2020

**Manual Integrations APPROVED**
mohammad
10/29/2020 10:43:50 AM

Quant Time: Oct 28 14:45:48 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 28 12:53:38 2020
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 46) 1,1'-Biphenyl | 13.523 | 154 | 34638 | 3.72 | ng | | 97 |
| 47) 2-Chloronaphthalene | 13.564 | 162 | 26012 | 3.39 | ng | | 98 |
| 48) 2-Nitroaniline | 13.770 | 65 | 7221 | 2.89 | ng | # | 65 |
| 49) Acenaphthylene | 14.410 | 152 | 40252 | 3.62 | ng | | 99 |
| 50) Dimethylphthalate | 14.128 | 163 | 36427 | 3.59 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 14.251 | 165 | 7240 | 3.43 | ng | # | 67 |
| 52) Acenaphthene | 14.751 | 154 | 26722 | 3.68 | ng | # | 82 |
| 53) 3-Nitroaniline | 14.586 | 138 | 6202 | 2.95 | ng | # | 95 |
| 54) 2,4-Dinitrophenol | 14.798 | 184 | 2871 | 2.06 | ng | # | 67 |
| 55) Dibenzofuran | 15.086 | 168 | 44428 | 3.81 | ng | | 97 |
| 56) 4-Nitrophenol | 14.886 | 139 | 4787 | 2.91 | ng | # | 77 |
| 57) 2,4-Dinitrotoluene | 15.039 | 165 | 10364 | 3.41 | ng | # | 93 |
| 58) Fluorene | 15.732 | 166 | 34689 | 3.68 | ng | | 96 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.309 | 232 | 10580 | 3.35 | ng | # | 98 |
| 60) Diethylphthalate | 15.491 | 149 | 37221 | 3.68 | ng | | 97 |
| 61) 4-Chlorophenyl-phenyle... | 15.720 | 204 | 20346 | 3.62 | ng | | 97 |
| 62) 4-Nitroaniline | 15.750 | 138 | 7261 | 3.22 | ng | | 97 |
| 63) Azobenzene | 16.014 | 77 | 33927 | 3.78 | ng | | 84 |
| 65) 4,6-Dinitro-2-methylph... | 15.814 | 198 | 5638 | 2.81 | ng | | 79 |
| 66) n-Nitrosodiphenylamine | 15.938 | 169 | 34432 | 3.69 | ng | # | 90 |
| 67) 4-Bromophenyl-phenylether | 16.619 | 248 | 13711 | 3.20 | ng | | 88 |
| 68) Hexachlorobenzene | 16.737 | 284 | 14849 | 3.29 | ng | | 98 |
| 69) Atrazine | 16.872 | 200 | 13411 | 3.49 | ng | | 89 |
| 70) Pentachlorophenol | 17.089 | 266 | 7016m | 2.66 | ng | | |
| 71) Phenanthrene | 17.471 | 178 | 66202m | 3.81 | ng | | |
| 72) Anthracene | 17.565 | 178 | 64416 | 3.78 | ng | | 96 |
| 73) Carbazole | 17.835 | 167 | 55653 | 3.67 | ng | | 95 |
| 74) Di-n-butylphthalate | 18.382 | 149 | 70202 | 3.75 | ng | # | 94 |
| 75) Fluoranthene | 19.481 | 202 | 85689 | 3.83 | ng | | 93 |
| 77) Benzidine | 19.657 | 184 | 30667 | 3.33 | ng | # | 89 |
| 78) Pyrene | 19.839 | 202 | 92772 | 3.62 | ng | | 95 |
| 80) Butylbenzylphthalate | 20.720 | 149 | 31324 | 3.19 | ng | | 92 |
| 81) Benzo(a)anthracene | 21.678 | 228 | 96062 | 3.64 | ng | | 96 |
| 82) 3,3'-Dichlorobenzidine | 21.590 | 252 | 36231 | 3.79 | ng | # | 98 |
| 83) Chrysene | 21.743 | 228 | 92776m | 3.70 | ng | | |
| 84) Bis(2-ethylhexyl)phtha... | 21.578 | 149 | 45756 | 3.30 | ng | # | 90 |
| 85) Di-n-octyl phthalate | 22.794 | 149 | 78868 | 3.39 | ng | # | 96 |
| 87) Indeno(1,2,3-cd)pyrene | 28.605 | 276 | 99489 | 3.35 | ng | # | 77 |
| 88) Benzo(b)fluoranthene | 23.905 | 252 | 89535 | 3.37 | ng | # | 92 |
| 89) Benzo(k)fluoranthene | 23.969 | 252 | 92076 | 3.56 | ng | # | 97 |
| 90) Benzo(a)pyrene | 24.774 | 252 | 80353 | 3.23 | ng | # | 96 |
| 91) Dibenzo(a,h)anthracene | 28.664 | 278 | 81722 | 3.39 | ng | # | 91 |
| 92) Benzo(g,h,i)perylene | 29.751 | 276 | 85511 | 3.56 | ng | # | 93 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102820\
Data File : BG047107.D
Acq On : 28 Oct 2020 14:05
Operator : CG/JU
Sample : L4214-09
Misc : MDL-MDL-WATER 4PPM
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
MDL-WATER-03-QT4-2020

**Manual Integrations APPROVED**
mohammad
10/29/2020 10:43:50 AM

Quant Time: Oct 28 14:45:48 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 28 12:53:38 2020
Response via : Initial Calibration