Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070920\
Data File : BF120816.D
Acq On : 9 Jul 2020 13:57
Operator : JU/CG
Sample : L3216-08
Misc : LOQ-WATER-10PPM
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
LOQ-WATER-02-QT3-2020

**Manual Integrations APPROVED**
mohammad
7/10/2020 11:49:44 AM

Quant Time: Jul 09 14:35:09 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 09 11:36:34 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.85 | 152 | 134145 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.13 | 136 | 506629 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.89 | 164 | 250614 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.37 | 188 | 445263 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 14.00 | 240 | 334955 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 15.46 | 264 | 271616 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.46 | 112 | 846789 | 97.44 | ng | 0.00 |
| 7) Phenol-d6 | 6.47 | 99 | 1079081 | 97.24 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.41 | 82 | 694070 | 79.37 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.67 | 330 | 262762 | 104.36 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.21 | 172 | 1268925 | 76.60 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.96 | 244 | 1050237 | 61.39 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.58 | 88 | 40102 | 10.102 | ng | 100 |
| 3) Pyridine | 3.36 | 79 | 78010 | 7.175 | ng | 98 |
| 4) n-Nitrosodimethylamine | 3.26 | 42 | 47242 | 8.685 | ng | 96 |
| 6) Aniline | 6.50 | 93 | 132628 | 9.306 | ng | 100 |
| 8) 2-Chlorophenol | 6.63 | 128 | 84084 | 9.088 | ng | 95 |
| 9) Benzaldehyde | 6.39 | 77 | 73834 | 11.187 | ng | 98 |
| 10) Phenol | 6.48 | 94 | 107037 | 9.376 | ng | 95 |
| 11) bis(2-Chloroethyl)ether | 6.58 | 93 | 84344 | 9.079 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 6.79 | 146 | 93607 | 9.192 | ng | 96 |
| 13) 1,4-Dichlorobenzene | 6.86 | 146 | 94941 | 9.308 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 7.02 | 146 | 89901 | 9.264 | ng | 99 |
| 15) Benzyl Alcohol | 6.98 | 79 | 81081 | 9.724 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.12 | 45 | 125147 | 8.637 | ng | 100 |
| 17) 2-Methylphenol | 7.09 | 107 | 68099 | 8.228 | ng | 96 |
| 18) Hexachloroethane | 7.36 | 117 | 34764 | 9.068 | ng | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.25 | 70 | 59950 | 8.972 | ng | 97 |
| 20) 3+4-Methylphenols | 7.24 | 107 | 86738 | 8.509 | ng | 93 |
| 22) Acetophenone | 7.25 | 105 | 126896 | 10.077 | ng | 95 |
| 24) Nitrobenzene | 7.42 | 77 | 96261 | 9.804 | ng | 94 |
| 25) Isophorone | 7.66 | 82 | 161546 | 8.566 | ng | 97 |
| 26) 2-Nitrophenol | 7.74 | 139 | 31053 | 8.652 | ng | 94 |
| 27) 2,4-Dimethylphenol | 7.77 | 122 | 71455 | 9.492 | ng | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.87 | 93 | 101530 | 9.097 | ng | 98 |
| 29) 2,4-Dichlorophenol | 7.98 | 162 | 65142 | 8.668 | ng | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.07 | 180 | 74195 | 8.790 | ng | 99 |
| 31) Naphthalene | 8.15 | 128 | 254287 | 9.392 | ng | 98 |
| 32) Benzoic acid | 7.83 | 122 | 25591m | 6.281 | ng | |
| 33) 4-Chloroaniline | 8.19 | 127 | 98052 | 8.534 | ng | 94 |
| 34) Hexachlorobutadiene | 8.27 | 225 | 43011 | 8.472 | ng | 98 |
| 35) Caprolactam | 8.53 | 113 | 17470 | 7.978 | ng | 91 |
| 36) 4-Chloro-3-methylphenol | 8.67 | 107 | 66091 | 8.454 | ng | 97 |
| 37) 2-Methylnaphthalene | 8.84 | 142 | 162275 | 9.220 | ng | 98 |
| 38) 1-Methylnaphthalene | 8.94 | 142 | 151796 | 9.207 | ng | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.00 | 216 | 71176 | 9.397 | ng | 98 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.00 | 237 | 34634 | 7.739 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.12 | 196 | 40107 | 7.771 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 9.15 | 196 | 44736 | 7.810 | ng | | 97 |
| 46) 1,1'-Biphenyl | 9.30 | 154 | 204504 | 10.116 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.33 | 162 | 144104 | 8.898 | ng | | 99 |
| 48) 2-Nitroaniline | 9.42 | 65 | 40085 | 9.251 | ng | | 87 |
| 49) Acenaphthylene | 9.75 | 152 | 230986 | 9.097 | ng | | 98 |
| 50) Dimethylphthalate | 9.60 | 163 | 161387 | 8.828 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.66 | 165 | 30001 | 9.084 | ng | | 88 |
| 52) Acenaphthene | 9.92 | 154 | 136974 | 8.696 | ng | | 98 |
| 53) 3-Nitroaniline | 9.83 | 138 | 34433 | 8.439 | ng | | 95 |
| 54) 2,4-Dinitrophenol | 9.93 | 184 | 4883 | 4.477 | ng | # | 22 |
| 55) Dibenzofuran | 10.09 | 168 | 208908 | 9.201 | ng | | 100 |
| 56) 4-Nitrophenol | 9.97 | 139 | 23024 | 7.682 | ng | | 95 |
| 57) 2,4-Dinitrotoluene | 10.06 | 165 | 35851 | 9.041 | ng | | 95 |
| 58) Fluorene | 10.43 | 166 | 160408 | 9.491 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.20 | 232 | 36135 | 8.478 | ng | | 89 |
| 60) Diethylphthalate | 10.30 | 149 | 162714 | 8.544 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.42 | 204 | 76654 | 9.022 | ng | | 93 |
| 62) 4-Nitroaniline | 10.43 | 138 | 33873 | 8.720 | ng | | 93 |
| 63) Azobenzene | 10.58 | 77 | 175807 | 9.024 | ng | | 93 |
| 65) 4,6-Dinitro-2-methylphenol | 10.46 | 198 | 8813 | 6.160 | ng | | 99 |
| 66) n-Nitrosodiphenylamine | 10.54 | 169 | 133342 | 8.935 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 10.92 | 248 | 41389 | 8.013 | ng | | 97 |
| 68) Hexachlorobenzene | 10.97 | 284 | 46326 | 8.547 | ng | | 99 |
| 69) Atrazine | 11.06 | 200 | 37167 | 9.667 | ng | | 97 |
| 70) Pentachlorophenol | 11.17 | 266 | 19264 | 6.282 | ng | | 98 |
| 71) Phenanthrene | 11.39 | 178 | 219841 | 9.100 | ng | | 98 |
| 72) Anthracene | 11.44 | 178 | 222402 | 9.110 | ng | | 99 |
| 73) Carbazole | 11.59 | 167 | 200266 | 8.536 | ng | | 98 |
| 74) Di-n-butylphthalate | 11.93 | 149 | 228443 | 7.865 | ng | | 98 |
| 75) Fluoranthene | 12.57 | 202 | 219310 | 8.521 | ng | | 97 |
| 77) Benzidine | 12.70 | 184 | 89231 | 9.438 | ng | # | 95 |
| 78) Pyrene | 12.80 | 202 | 228184 | 8.530 | ng | | 98 |
| 80) Butylbenzylphthalate | 13.43 | 149 | 76948 | 6.662 | ng | | 99 |
| 81) Benzo(a)anthracene | 13.99 | 228 | 191637 | 8.925 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.96 | 252 | 57841 | 7.983 | ng | # | 98 |
| 83) Chrysene | 14.03 | 228 | 181933 | 8.307 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 13.99 | 149 | 119163 | 7.868 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.60 | 149 | 154958 | 5.783 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 16.90 | 276 | 133351 | 7.654 | ng | | 97 |
| 88) Benzo(b)fluoranthene | 15.04 | 252 | 144813 | 8.110 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 15.06 | 252 | 154808 | 8.910 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.40 | 252 | 123565 | 7.757 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 16.93 | 278 | 115443 | 7.950 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.34 | 276 | 110968 | 8.362 | ng | | 96 |

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

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