Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091219\
Data File : BG042781.D
Acq On : 12 Sep 2019 14:22
Operator : HP/JU
Sample : SSTDICV040
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** ICVBG091219

Quant Time: Sep 12 18:45:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 12 14:06:09 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.12 | 152 | 75781 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.93 | 136 | 303518 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.75 | 164 | 212252 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.48 | 188 | 504670 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.77 | 240 | 495443 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 25.05 | 264 | 544658 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.68 | 112 | 346610 | 79.52 | ng | | 0.00 |
| 7) Phenol-d6 | 7.27 | 99 | 494409 | 79.02 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.28 | 82 | 477683 | 81.94 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.23 | 330 | 225679 | 79.92 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.37 | 172 | 1075639 | 80.22 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.09 | 244 | 1881379 | 84.16 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.59 | 88 | 74127 | 37.263 | ng | | 98 |
| 3) Pyridine | 3.98 | 79 | 233171 | 38.930 | ng | | 90 |
| 4) n-Nitrosodimethylamine | 3.89 | 42 | 111856 | 38.380 | ng | | 100 |
| 6) Aniline | 7.44 | 93 | 332168 | 39.351 | ng | | 99 |
| 8) 2-Chlorophenol | 7.68 | 128 | 186415 | 39.564 | ng | | 100 |
| 9) Benzaldehyde | 7.26 | 77 | 149322 | 36.676 | ng | | 94 |
| 10) Phenol | 7.30 | 94 | 257131 | 40.075 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.53 | 93 | 192828 | 39.159 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 8.01 | 146 | 223342 | 38.863 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 8.16 | 146 | 225042 | 39.114 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.48 | 146 | 218420 | 39.881 | ng | | 99 |
| 15) Benzyl Alcohol | 8.35 | 79 | 212000 | 39.485 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.65 | 45 | 418933 | 38.741 | ng | | 99 |
| 17) 2-Methylphenol | 8.55 | 107 | 167528 | 39.028 | ng | | 100 |
| 18) Hexachloroethane | 9.22 | 117 | 81764 | 38.492 | ng | | 95 |
| 19) n-Nitroso-di-n-propylamine | 8.92 | 70 | 181552 | 39.381 | ng | | 96 |
| 20) 3+4-Methylphenols | 8.88 | 107 | 233874 | 39.525 | ng | | 96 |
| 22) Acetophenone | 8.94 | 105 | 306257 | 39.953 | ng | # | 97 |
| 24) Nitrobenzene | 9.32 | 77 | 245577 | 40.132 | ng | | 98 |
| 25) Isophorone | 9.85 | 82 | 482824 | 39.732 | ng | | 99 |
| 26) 2-Nitrophenol | 10.03 | 139 | 99089 | 41.179 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 10.09 | 122 | 168643 | 39.620 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 10.33 | 93 | 270132 | 39.861 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.57 | 162 | 197786 | 39.986 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.79 | 180 | 241092 | 39.922 | ng | | 96 |
| 31) Naphthalene | 10.98 | 128 | 597495 | 39.871 | ng | | 100 |
| 32) Benzoic acid | 10.20 | 122 | 133900 | 40.025 | ng | | 95 |
| 33) 4-Chloroaniline | 11.07 | 127 | 280001 | 39.975 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.28 | 225 | 168113 | 39.732 | ng | | 94 |
| 35) Caprolactam | 11.84 | 113 | 76648 | 41.671 | ng | | 88 |
| 36) 4-Chloro-3-methylphenol | 12.18 | 107 | 222914 | 41.506 | ng | | 95 |
| 37) 2-Methylnaphthalene | 12.58 | 142 | 444444 | 39.592 | ng | | 100 |
| 38) 1-Methylnaphthalene | 12.80 | 142 | 426077 | 40.469 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.94 | 216 | 278541 | 39.713 | ng | | 100 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.93 | 237 | 152868 | 38.046 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 13.17 | 196 | 190072 | 40.706 | ng | | 91 |
| 44) 2,4,5-Trichlorophenol | 13.24 | 196 | 192233 | 40.192 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.58 | 154 | 589336 | 39.662 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.62 | 162 | 478866 | 38.958 | ng | | 98 |
| 48) 2-Nitroaniline | 13.81 | 65 | 179253 | 42.039 | ng | | 97 |
| 49) Acenaphthylene | 14.46 | 152 | 751930 | 40.031 | ng | | 99 |
| 50) Dimethylphthalate | 14.19 | 163 | 642634 | 40.416 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.31 | 165 | 136009 | 41.687 | ng | | 93 |
| 52) Acenaphthene | 14.81 | 154 | 489903 | 39.922 | ng | | 100 |
| 53) 3-Nitroaniline | 14.63 | 138 | 152733 | 41.711 | ng | | 96 |
| 54) 2,4-Dinitrophenol | 14.83 | 184 | 67152 | 41.810 | ng | # | 81 |
| 55) Dibenzofuran | 15.14 | 168 | 724349 | 39.712 | ng | | 97 |
| 56) 4-Nitrophenol | 14.92 | 139 | 118593 | 41.888 | ng | | 96 |
| 57) 2,4-Dinitrotoluene | 15.09 | 165 | 185902 | 42.748 | ng | # | 97 |
| 58) Fluorene | 15.79 | 166 | 601566 | 39.795 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.36 | 232 | 187419 | 40.423 | ng | | 99 |
| 60) Diethylphthalate | 15.56 | 149 | 652285 | 40.414 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.78 | 204 | 354296 | 39.639 | ng | | 97 |
| 62) 4-Nitroaniline | 15.79 | 138 | 163898 | 41.525 | ng | | 98 |
| 63) Azobenzene | 16.07 | 77 | 619062 | 39.831 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 15.85 | 198 | 89183 | 41.300 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 15.99 | 169 | 542527 | 39.950 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.67 | 248 | 238721 | 39.081 | ng | | 99 |
| 68) Hexachlorobenzene | 16.80 | 284 | 256432 | 39.288 | ng | | 99 |
| 69) Atrazine | 16.93 | 200 | 169878 | 35.922 | ng | | 98 |
| 70) Pentachlorophenol | 17.13 | 266 | 160320 | 41.405 | ng | | 96 |
| 71) Phenanthrene | 17.53 | 178 | 975421 | 40.415 | ng | | 99 |
| 72) Anthracene | 17.62 | 178 | 977413 | 40.536 | ng | | 99 |
| 73) Carbazole | 17.88 | 167 | 923127 | 40.280 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.45 | 149 | 1121536 | 40.852 | ng | | 99 |
| 75) Fluoranthene | 19.54 | 202 | 1277136 | 40.829 | ng | | 100 |
| 77) Benzidine | 19.71 | 184 | 466818 | 33.725 | ng | | 97 |
| 78) Pyrene | 19.89 | 202 | 1282108 | 41.334 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.79 | 149 | 520612 | 41.472 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.75 | 228 | 1278493 | 40.586 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.66 | 252 | 482946 | 39.450 | ng | | 100 |
| 83) Chrysene | 21.81 | 228 | 1222435 | 40.968 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.67 | 149 | 691778 | 40.331 | ng | | 100 |
| 85) Di-n-octyl phthalate | 22.92 | 149 | 1177897 | 40.283 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 28.79 | 276 | 1459329 | 39.493 | ng | # | 93 |
| 88) Benzo(b)fluoranthene | 24.01 | 252 | 1293439 | 40.444 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.08 | 252 | 1227875 | 40.645 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.89 | 252 | 1207649 | 40.328 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 28.87 | 278 | 1187681 | 40.324 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 29.96 | 276 | 1152953 | 40.132 | ng | | 97 |

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

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