Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062521\
Data File : BG049093.D
Acq On : 25 Jun 2021 16:38
Operator : CG/JU
Sample : M2824-02MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** ABN-1MS

Quant Time: Jun 25 17:32:44 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 24 11:02:36 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.108 | 152 | 34699 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.928 | 136 | 141395 | 20.00 | ng | | # 0.00 |
| 39) Acenaphthene-d10 | 14.747 | 164 | 99545 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.497 | 188 | 227548 | 20.00 | ng | | # 0.00 |
| 76) Chrysene-d12 | 21.786 | 240 | 221348 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.106 | 264 | 238569 | 20.00 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.664 | 112 | 10004 | 4.49 | ng | | 0.00 |
| 7) Phenol-d6 | 7.256 | 99 | 59386 | 17.78 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.277 | 82 | 220993 | 67.39 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.234 | 330 | 4243 | 2.88 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.373 | 172 | 465328 | 66.04 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.100 | 244 | 831744 | 68.82 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.537 | 88 | 34527 | 31.73 | ng | # | 80 |
| 3) Pyridine | 3.942 | 79 | 85354 | 28.91 | ng | | 91 |
| 4) n-Nitrosodimethylamine | 3.854 | 42 | 67887 | 48.02 | ng | # | 79 |
| 6) Aniline | 7.421 | 93 | 145572 | 34.60 | ng | # | 92 |
| 8) 2-Chlorophenol | 7.668 | 128 | 115681 | 47.08 | ng | | 91 |
| 9) Benzaldehyde | 7.239 | 77 | 86087 | 49.80 | ng | # | 85 |
| 10) Phenol | 7.286 | 94 | 153477 | 44.47 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 7.521 | 93 | 103077 | 40.25 | ng | | 83 |
| 12) 1,3-Dichlorobenzene | 7.997 | 146 | 116207 | 42.34 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 8.143 | 146 | 119538 | 43.69 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.461 | 146 | 115599 | 43.92 | ng | | 94 |
| 15) Benzyl Alcohol | 8.343 | 79 | 127784 | 41.76 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.637 | 45 | 175548 | 36.23 | ng | | 84 |
| 17) 2-Methylphenol | 8.549 | 107 | 99127 | 43.79 | ng | | 94 |
| 18) Hexachloroethane | 9.195 | 117 | 48826 | 44.48 | ng | | 95 |
| 19) n-Nitroso-di-n-propyla... | 8.913 | 70 | 93853 | 35.94 | ng | | 96 |
| 20) 3+4-Methylphenols | 8.878 | 107 | 133777 | 43.23 | ng | | 96 |
| 22) Acetophenone | 8.931 | 105 | 185801 | 43.19 | ng | # | 97 |
| 24) Nitrobenzene | 9.319 | 77 | 150067 | 40.63 | ng | | 95 |
| 25) Isophorone | 9.841 | 82 | 252825 | 35.39 | ng | # | 96 |
| 26) 2-Nitrophenol | 10.029 | 139 | 61860 | 49.37 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 10.088 | 122 | 106328 | 46.81 | ng | | 94 |
| 28) bis(2-Chloroethoxy)met... | 10.323 | 93 | 137543 | 41.58 | ng | | 93 |
| 29) 2,4-Dichlorophenol | 10.570 | 162 | 115525 | 45.33 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 10.787 | 180 | 127505 | 43.64 | ng | | 96 |
| 31) Naphthalene | 10.981 | 128 | 340292 | 40.40 | ng | | 99 |
| 32) Benzoic acid | 10.241 | 122 | 73824 | 49.75 | ng | # | 73 |
| 33) 4-Chloroaniline | 11.081 | 127 | 83264 | 23.28 | ng | | 95 |
| 34) Hexachlorobutadiene | 11.263 | 225 | 90804 | 43.60 | ng | | 93 |
| 35) Caprolactam | 11.868 | 113 | 37663 | 51.12 | ng | # | 48 |
| 36) 4-Chloro-3-methylphenol | 12.203 | 107 | 135972 | 43.65 | ng | # | 92 |
| 37) 2-Methylnaphthalene | 12.579 | 142 | 257722 | 40.51 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.797 | 142 | 238625 | 39.95 | ng | | 96 |
| 40) 1,2,4,5-Tetrachloroben... | 12.944 | 216 | 151688 | 47.99 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 12.926 | 237 | 222192 | 109.35 | ng | | 96 |
| 43) 2,4,6-Trichlorophenol | 13.179 | 196 | 107789 | 50.97 | ng | | 97 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.261 | 196 | 120003 | 54.87 | ng | | 91 |
| 46) 1,1'-Biphenyl | 13.584 | 154 | 322469 | 43.94 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.625 | 162 | 258120 | 44.04 | ng | | 99 |
| 48) 2-Nitroaniline | 13.825 | 65 | 101098 | 47.27 | ng | | 96 |
| 49) Acenaphthylene | 14.471 | 152 | 418357 | 42.84 | ng | | 95 |
| 50) Dimethylphthalate | 14.201 | 163 | 350522 | 45.20 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.319 | 165 | 80059 | 50.70 | ng | | 92 |
| 52) Acenaphthene | 14.812 | 154 | 247305 | 39.29 | ng | | 94 |
| 53) 3-Nitroaniline | 14.648 | 138 | 53463 | 33.44 | ng | | 83 |
| 54) 2,4-Dinitrophenol | 14.853 | 184 | 102086 | 139.56 | ng | | 91 |
| 55) Dibenzofuran | 15.147 | 168 | 404293 | 41.32 | ng | | 97 |
| 56) 4-Nitrophenol | 14.959 | 139 | 129569 | 99.41 | ng | | 92 |
| 57) 2,4-Dinitrotoluene | 15.106 | 165 | 113401 | 58.46 | ng | | 94 |
| 58) Fluorene | 15.799 | 166 | 344305 | 43.03 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.370 | 232 | 108485 | 49.01 | ng | | 99 |
| 60) Diethylphthalate | 15.558 | 149 | 373072 | 44.42 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.782 | 204 | 189877 | 45.38 | ng | | 98 |
| 62) 4-Nitroaniline | 15.811 | 138 | 80075 | 49.53 | ng | | 89 |
| 63) Azobenzene | 16.075 | 77 | 355446 | 36.99 | ng | | 90 |
| 65) 4,6-Dinitro-2-methylph... | 15.864 | 198 | 65080 | 60.31 | ng | | 92 |
| 66) n-Nitrosodiphenylamine | 15.999 | 169 | 299479 | 42.23 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 16.680 | 248 | 134210 | 47.24 | ng | | 92 |
| 68) Hexachlorobenzene | 16.804 | 284 | 145663 | 47.30 | ng | | 97 |
| 69) Atrazine | 16.945 | 200 | 128516 | 56.46 | ng | | 97 |
| 70) Pentachlorophenol | 17.145 | 266 | 190487 | 102.93 | ng | | 97 |
| 71) Phenanthrene | 17.538 | 178 | 559616 | 43.71 | ng | | 98 |
| 72) Anthracene | 17.632 | 178 | 572825 | 44.52 | ng | | 98 |
| 73) Carbazole | 17.897 | 167 | 521504 | 42.29 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.455 | 149 | 632342 | 45.72 | ng | | 98 |
| 75) Fluoranthene | 19.548 | 202 | 703806 | 45.58 | ng | | 99 |
| 77) Benzidine | 19.724 | 184 | 359212 | 80.56 | ng | | 97 |
| 78) Pyrene | 19.906 | 202 | 698983 | 43.51 | ng | | 96 |
| 80) Butylbenzylphthalate | 20.787 | 149 | 277728 | 45.82 | ng | | 94 |
| 81) Benzo(a)anthracene | 21.769 | 228 | 705481 | 44.39 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.675 | 252 | 193132 | 38.00 | ng | | 99 |
| 83) Chrysene | 21.833 | 228 | 671873 | 44.09 | ng | | 97 |
| 84) Bis(2-ethylhexyl)phtha... | 21.663 | 149 | 396092 | 45.84 | ng | | 97 |
| 85) Di-n-octyl phthalate | 22.914 | 149 | 680059 | 46.41 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 28.913 | 276 | 862661 | 48.05 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 24.048 | 252 | 758096 | 44.58 | ng | # | 93 |
| 89) Benzo(k)fluoranthene | 24.119 | 252 | 717357 | 44.46 | ng | # | 99 |
| 90) Benzo(a)pyrene | 24.953 | 252 | 728649 | 46.94 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 28.978 | 278 | 722849 | 48.17 | ng | # | 96 |
| 92) Benzo(g,h,i)perylene | 30.094 | 276 | 719228 | 47.53 | ng | | 99 |

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

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