Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051520\
Data File : BF120316.D
Acq On : 15 May 2020 12:45
Operator : MA/SJ
Sample : L2501-07MSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EO-01-051320MSD

Quant Time: May 15 13:36:03 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 15 12:31:31 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.62 | 152 | 442296 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.90 | 136 | 1837086 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.66 | 164 | 847042 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.14 | 188 | 1924857 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.78 | 240 | 1178101 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.17 | 264 | 1108136 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.25 | 112 | 2215710 | 97.47 | ng | | 0.02 |
| 7) Phenol-d6 | 6.28 | 99 | 2518426 | 87.61 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.19 | 82 | 1921724 | 71.62 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.45 | 330 | 913376 | 132.25 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 8.98 | 172 | 3506135 | 85.04 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.73 | 244 | 3830855 | 71.84 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.38 | 88 | 361406 | 39.967 | ng | | 99 |
| 3) Pyridine | 3.04 | 79 | 686772 | 24.161 | ng | | 100 |
| 4) n-Nitrosodimethylamine | 2.96 | 42 | 407849 | 36.644 | ng | | 96 |
| 6) Aniline | 6.29 | 93 | 717286 | 19.511 | ng | # | 45 |
| 8) 2-Chlorophenol | 6.41 | 128 | 1070094 | 40.374 | ng | | 96 |
| 9) Benzaldehyde | 6.16 | 77 | 413464 | 23.332 | ng | | 97 |
| 10) Phenol | 6.29 | 94 | 1000950 | 29.828 | ng | | 82 |
| 11) bis(2-Chloroethyl)ether | 6.36 | 93 | 1021753 | 38.117 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.56 | 146 | 966202 | 34.068 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.63 | 146 | 992646 | 33.982 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.79 | 146 | 856993 | 32.579 | ng | | 98 |
| 15) Benzyl Alcohol | 6.77 | 79 | 766417 | 37.528 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.90 | 45 | 1475213 | 34.922 | ng | | 70 |
| 17) 2-Methylphenol | 6.90 | 107 | 740979 | 33.117 | ng | | 93 |
| 18) Hexachloroethane | 7.12 | 117 | 369185 | 33.176 | ng | | 100 |
| 19) n-Nitroso-di-n-propylamine | 7.05 | 70 | 693103 | 36.803 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.05 | 107 | 971117 | 33.383 | ng | | 98 |
| 22) Acetophenone | 7.04 | 105 | 1378531 | 36.629 | ng | | 98 |
| 24) Nitrobenzene | 7.21 | 77 | 1007490 | 34.889 | ng | | 99 |
| 25) Isophorone | 7.45 | 82 | 2028747 | 36.339 | ng | | 99 |
| 26) 2-Nitrophenol | 7.52 | 139 | 562050 | 37.216 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 7.57 | 122 | 898231 | 40.886 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.66 | 93 | 1383275 | 39.420 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.77 | 162 | 845114 | 37.455 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 7.85 | 180 | 877693 | 35.103 | ng | | 98 |
| 31) Naphthalene | 7.92 | 128 | 3037728 | 39.180 | ng | | 99 |
| 32) Benzoic acid | 7.74 | 122 | 494833 | 34.363 | ng | | 96 |
| 33) 4-Chloroaniline | 7.98 | 127 | 452459 | 12.805 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.04 | 225 | 486108 | 33.636 | ng | | 98 |
| 35) Caprolactam | 8.37 | 113 | 200506m | 27.162 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.48 | 107 | 987150 | 40.442 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.62 | 142 | 1896171 | 35.738 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.72 | 142 | 1789612 | 34.777 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.78 | 216 | 840519 | 39.353 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.76 | 237 | 607845 | 69.903 ng | 99 |
| 43) 2,4,6-Trichlorophenol | 8.90 | 196 | 632792 | 44.138 ng | 99 |
| 44) 2,4,5-Trichlorophenol | 8.95 | 196 | 636703 | 38.671 ng | 99 |
| 46) 1,1'-Biphenyl | 9.08 | 154 | 2279588 | 41.074 ng | 100 |
| 47) 2-Chloronaphthalene | 9.10 | 162 | 1748009 | 39.265 ng | 99 |
| 48) 2-Nitroaniline | 9.21 | 65 | 641704 | 39.506 ng | 98 |
| 49) Acenaphthylene | 9.52 | 152 | 2635639 | 38.757 ng | 99 |
| 50) Dimethylphthalate | 9.39 | 163 | 2356874 | 44.017 ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.46 | 165 | 465470 | 38.949 ng | 95 |
| 52) Acenaphthene | 9.69 | 154 | 1518456 | 37.251 ng | 100 |
| 53) 3-Nitroaniline | 9.62 | 138 | 291048 | 20.422 ng | 98 |
| 54) 2,4-Dinitrophenol | 9.74 | 184 | 430948 | 76.394 ng | 97 |
| 55) Dibenzofuran | 9.86 | 168 | 2590555 | 44.132 ng | 98 |
| 56) 4-Nitrophenol | 9.82 | 139 | 569958 | 74.430 ng | 86 |
| 57) 2,4-Dinitrotoluene | 9.86 | 165 | 605032 | 43.159 ng | 98 |
| 58) Fluorene | 10.20 | 166 | 2059491 | 46.069 ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 9.99 | 232 | 583749 | 47.112 ng | 97 |
| 60) Diethylphthalate | 10.09 | 149 | 2418003 | 46.775 ng | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.20 | 204 | 1002851 | 43.147 ng | 97 |
| 62) 4-Nitroaniline | 10.25 | 138 | 607227 | 45.757 ng | 99 |
| 63) Azobenzene | 10.36 | 77 | 2362009 | 48.345 ng | 100 |
| 65) 4,6-Dinitro-2-methylphenol | 10.27 | 198 | 404340 | 41.536 ng | 95 |
| 66) n-Nitrosodiphenylamine | 10.32 | 169 | 2036075 | 38.234 ng | 100 |
| 67) 4-Bromophenyl-phenylether | 10.69 | 248 | 668875 | 35.810 ng | 98 |
| 68) Hexachlorobenzene | 10.75 | 284 | 715878 | 36.635 ng | 99 |
| 69) Atrazine | 10.86 | 200 | 519671 | 32.613 ng | 99 |
| 70) Pentachlorophenol | 10.95 | 266 | 629230 | 75.712 ng | 99 |
| 71) Phenanthrene | 11.16 | 178 | 2979317 | 36.835 ng | 98 |
| 72) Anthracene | 11.22 | 178 | 3281632 | 37.899 ng | 99 |
| 73) Carbazole | 11.37 | 167 | 3026313 | 37.406 ng | 100 |
| 74) Di-n-butylphthalate | 11.71 | 149 | 3628845 | 37.217 ng | 100 |
| 75) Fluoranthene | 12.35 | 202 | 3115299 | 35.935 ng | 99 |
| 77) Benzidine | 12.47 | 184 | 1312321 | 38.146 ng | 98 |
| 78) Pyrene | 12.57 | 202 | 3146802 | 37.468 ng | 100 |
| 80) Butylbenzylphthalate | 13.20 | 149 | 1469121 | 37.148 ng | 97 |
| 81) Benzo(a)anthracene | 13.77 | 228 | 2311306 | 37.197 ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.73 | 252 | 511493 | 21.844 ng | 98 |
| 83) Chrysene | 13.80 | 228 | 2468684 | 36.999 ng | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 13.76 | 149 | 1757744 | 35.723 ng | 100 |
| 85) Di-n-octyl phthalate | 14.37 | 149 | 3347816 | 37.821 ng | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 16.49 | 276 | 1912350 | 31.579 ng | 100 |
| 88) Benzo(b)fluoranthene | 14.78 | 252 | 2259654 | 37.339 ng | 99 |
| 89) Benzo(k)fluoranthene | 14.81 | 252 | 2173097 | 41.446 ng | 100 |
| 90) Benzo(a)pyrene | 15.12 | 252 | 2000062 | 36.851 ng | 99 |
| 91) Dibenzo(a,h)anthracene | 16.51 | 278 | 1631928 | 33.941 ng | 98 |
| 92) Benzo(g,h,i)perylene | 16.89 | 276 | 1639705 | 33.818 ng | 99 |

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

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