Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021919\
Data File : BF112620.D
Acq On : 19 Feb 2019 14:50
Operator : JU/SJ
Sample : K1515-01MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TS-1MSD

**Manual Integrations APPROVED**
Sohil
2/20/2019 11:12:45 AM

Quant Time: Feb 19 16:40:15 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 28 10:38:18 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.82 | 152 | 106953 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 8.10 | 136 | 415788 | 20.00 | ng | | -0.02 |
| 39) Acenaphthene-d10 | 9.86 | 164 | 205996 | 20.00 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 11.35 | 188 | 384314 | 20.00 | ng | | -0.02 |
| 76) Chrysene-d12 | 14.00 | 240 | 271299 | 20.00 | ng | | -0.01 |
| 87) Perylene-d12 | 15.47 | 264 | 262275 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.46 | 112 | 819858 | 162.82 | ng | | -0.02 |
| 7) Phenol-d6 | 6.49 | 99 | 1010775 | 144.46 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.39 | 82 | 668130 | 92.59 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 10.66 | 330 | 322835 | 134.64 | ng | | -0.02 |
| 45) 2-Fluorobiphenyl | 9.18 | 172 | 1302311 | 89.41 | ng | | -0.02 |
| 79) Terphenyl-d14 | 12.93 | 244 | 1240107 | 86.09 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.59 | 88 | 96524 | 48.121 | ng | | 95 |
| 3) Pyridine | 3.36 | 79 | 262208 | 51.389 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.32 | 42 | 138990 | 64.837 | ng | | 84 |
| 6) Aniline | 6.49 | 93 | 386533 | 46.440 | ng | # | 54 |
| 8) 2-Chlorophenol | 6.62 | 128 | 336004 | 49.604 | ng | | 99 |
| 9) Benzaldehyde | 6.37 | 77 | 139403 | 38.119 | ng | | 99 |
| 10) Phenol | 6.50 | 94 | 405579 | 52.835 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.56 | 93 | 293086 | 48.497 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 6.76 | 146 | 367362 | 46.568 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.84 | 146 | 380582 | 46.876 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 6.99 | 146 | 352597 | 46.386 | ng | | 94 |
| 15) Benzyl Alcohol | 6.97 | 79 | 281617 | 47.747 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.10 | 45 | 361588 | 46.599 | ng | # | 24 |
| 17) 2-Methylphenol | 7.09 | 107 | 259830 | 48.388 | ng | # | 86 |
| 18) Hexachloroethane | 7.33 | 117 | 139831 | 49.047 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 7.24 | 70 | 234366 | 48.577 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.25 | 107 | 344533 | 50.175 | ng | # | 65 |
| 22) Acetophenone | 7.24 | 105 | 470329 | 46.455 | ng | # | 94 |
| 24) Nitrobenzene | 7.41 | 77 | 344317 | 47.777 | ng | | 99 |
| 25) Isophorone | 7.65 | 82 | 623706 | 55.095 | ng | | 99 |
| 26) 2-Nitrophenol | 7.73 | 139 | 188073 | 48.833 | ng | # | 90 |
| 27) 2,4-Dimethylphenol | 7.77 | 122 | 288366 | 54.344 | ng | | 92 |
| 28) bis(2-Chloroethoxy)methane | 7.85 | 93 | 387398 | 50.258 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.98 | 162 | 288133 | 48.522 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.05 | 180 | 323089 | 47.334 | ng | | 99 |
| 31) Naphthalene | 8.13 | 128 | 985261 | 50.672 | ng | | 99 |
| 32) Benzoic acid | 7.93 | 122 | 118538 | 39.163 | ng | | 98 |
| 33) 4-Chloroaniline | 8.18 | 127 | 253378 | 29.927 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.24 | 225 | 188085 | 46.957 | ng | | 98 |
| 35) Caprolactam | 8.57 | 113 | 87608m | 41.821 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.69 | 107 | 297860 | 47.383 | ng | | 95 |
| 37) 2-Methylnaphthalene | 8.82 | 142 | 703186 | 52.827 | ng | | 97 |
| 38) 1-Methylnaphthalene | 8.92 | 142 | 653876 | 51.251 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.99 | 216 | 318619 | 47.108 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.97 | 237 | 178136 | 70.742 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.11 | 196 | 194096 | 46.555 | ng | | 100 |
| 44) 2,4,5-Trichlorophenol | 9.16 | 196 | 195391 | 44.842 | ng | | 95 |
| 46) 1,1'-Biphenyl | 9.29 | 154 | 849505 | 47.171 | ng | | 97 |
| 47) 2-Chloronaphthalene | 9.31 | 162 | 650273 | 46.563 | ng | | 94 |
| 48) 2-Nitroaniline | 9.42 | 65 | 175946 | 46.224 | ng | | 90 |
| 49) Acenaphthylene | 9.73 | 152 | 1013276 | 49.503 | ng | | 99 |
| 50) Dimethylphthalate | 9.58 | 163 | 839669 | 52.463 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.66 | 165 | 169412 | 47.263 | ng | # | 79 |
| 52) Acenaphthene | 9.90 | 154 | 594862 | 48.649 | ng | | 98 |
| 53) 3-Nitroaniline | 9.83 | 138 | 115155 | 29.654 | ng | | 85 |
| 54) 2,4-Dinitrophenol | 9.96 | 184 | 117884 | 102.476 | ng | | 87 |
| 55) Dibenzofuran | 10.07 | 168 | 878567 | 47.018 | ng | # | 91 |
| 56) 4-Nitrophenol | 10.02 | 139 | 118333 | 57.637 | ng | | 86 |
| 57) 2,4-Dinitrotoluene | 10.07 | 165 | 223058 | 48.881 | ng | # | 80 |
| 58) Fluorene | 10.42 | 166 | 723560 | 51.745 | ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.20 | 232 | 176050 | 53.465 | ng | | 97 |
| 60) Diethylphthalate | 10.28 | 149 | 818076 | 51.506 | ng | | 97 |
| 61) 4-Chlorophenyl-phenylether | 10.40 | 204 | 358111 | 47.080 | ng | # | 89 |
| 62) 4-Nitroaniline | 10.45 | 138 | 150782 | 39.586 | ng | | 92 |
| 63) Azobenzene | 10.56 | 77 | 696050 | 49.829 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 10.49 | 198 | 93149 | 43.230 | ng | | 95 |
| 66) n-Nitrosodiphenylamine | 10.52 | 169 | 620264 | 47.888 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.89 | 248 | 217435 | 48.104 | ng | | 91 |
| 68) Hexachlorobenzene | 10.97 | 284 | 238331 | 49.145 | ng | | 96 |
| 69) Atrazine | 11.05 | 200 | 174427 | 41.735 | ng | | 97 |
| 70) Pentachlorophenol | 11.17 | 266 | 140150 | 74.272 | ng | | 99 |
| 71) Phenanthrene | 11.38 | 178 | 1000196 | 50.060 | ng | | 99 |
| 72) Anthracene | 11.43 | 178 | 1042082 | 52.359 | ng | | 99 |
| 73) Carbazole | 11.59 | 167 | 831438 | 42.351 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.90 | 149 | 1253976 | 51.459 | ng | | 98 |
| 75) Fluoranthene | 12.57 | 202 | 970574 | 45.291 | ng | | 99 |
| 77) Benzidine | 12.69 | 184 | 517703 | 69.331 | ng | | 96 |
| 78) Pyrene | 12.80 | 202 | 956287 | 50.912 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.40 | 149 | 472074 | 51.947 | ng | | 95 |
| 81) Benzo(a)anthracene | 13.99 | 228 | 813183 | 50.988 | ng | | 97 |
| 82) 3,3'-Dichlorobenzidine | 13.94 | 252 | 228403 | 38.267 | ng | | 99 |
| 83) Chrysene | 14.03 | 228 | 755242 | 49.610 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 13.95 | 149 | 721987 | 55.969 | ng | | 97 |
| 85) Di-n-octyl phthalate | 14.56 | 149 | 1129585 | 56.915 | ng | | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 16.99 | 276 | 880201 | 72.968 | ng | | 96 |
| 88) Benzo(b)fluoranthene | 15.04 | 252 | 750586 | 47.853 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 15.07 | 252 | 750807 | 49.973 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.42 | 252 | 737702 | 52.269 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 16.98 | 278 | 735460 | 64.658 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.43 | 276 | 713753 | 66.510 | ng | | 97 |

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

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