Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040518\
Data File : BF104278.D
Acq On : 5 Apr 2018 19:15
Operator : JU/SJ
Sample : J2183-06MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** ES-4-DWS-1-NW@4.5MS

**Manual Integrations APPROVED**
Sohil
4/6/2018 11:57:52 AM

Quant Time: Apr 06 01:33:04 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 04 18:06:58 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.95 | 152 | 128574 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.23 | 136 | 562306 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.99 | 164 | 260511 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.49 | 188 | 478462 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.14 | 240 | 356917 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.67 | 264 | 309582 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.59 | 112 | 1035671 | 128.46 | ng | | 0.00 |
| 7) Phenol-d6 | 6.59 | 99 | 1288526 | 129.90 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.52 | 82 | 826161 | 89.85 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.79 | 330 | 372277 | 128.34 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.30 | 172 | 1416913 | 85.77 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.06 | 244 | 1406741 | 91.00 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.85 | 88 | 126419 | 36.356 | ng | # | 85 |
| 3) Pyridine | 3.67 | 79 | 241624 | 27.448 | ng | # | 82 |
| 4) n-Nitrosodimethylamine | 3.64 | 42 | 55257 | 21.118 | ng | # | 77 |
| 6) Aniline | 6.63 | 93 | 270080 | 22.745 | ng | # | 75 |
| 8) 2-Chlorophenol | 6.74 | 128 | 443573 | 50.156 | ng | | 97 |
| 9) Benzaldehyde | 6.53 | 77 | 53361 | 7.902 | ng | | 97 |
| 10) Phenol | 6.60 | 94 | 626642 | 57.017 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 6.69 | 93 | 455132 | 48.057 | ng | | 90 |
| 12) 1,3-Dichlorobenzene | 6.89 | 146 | 417847 | 42.031 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.96 | 146 | 497951 | 46.746 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.12 | 146 | 429364 | 44.845 | ng | | 98 |
| 15) Benzyl Alcohol | 7.10 | 79 | 270348m | 41.919 | ng | | |
| 16) 2,2'-oxybis(1-Chloropropan | 7.21 | 45 | 474859 | 46.023 | ng | # | 45 |
| 17) 2-Methylphenol | 7.20 | 107 | 338073 | 46.967 | ng | # | 78 |
| 18) Hexachloroethane | 7.45 | 117 | 158763 | 44.515 | ng | | 99 |
| 19) n-Nitroso-di-n-propylamine | 7.36 | 70 | 288295 | 48.975 | ng | | 89 |
| 20) 3+4-Methylphenols | 7.36 | 107 | 405489 | 44.139 | ng | # | 51 |
| 22) Acetophenone | 7.36 | 105 | 596577 | 43.850 | ng | | 99 |
| 24) Nitrobenzene | 7.54 | 77 | 378786 | 39.154 | ng | | 96 |
| 25) Isophorone | 7.76 | 82 | 829711 | 48.965 | ng | | 99 |
| 26) 2-Nitrophenol | 7.85 | 139 | 236570 | 46.846 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 7.88 | 122 | 371043 | 50.946 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.97 | 93 | 526621 | 49.587 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.09 | 162 | 363811 | 47.825 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.17 | 180 | 376206 | 43.587 | ng | | 99 |
| 31) Naphthalene | 8.25 | 128 | 1313914 | 47.830 | ng | | 100 |
| 32) Benzoic acid | 8.02 | 122 | 82745 | 15.509 | ng | # | 84 |
| 33) 4-Chloroaniline | 8.33 | 127 | 123864 | 10.695 | ng | | 93 |
| 34) Hexachlorobutadiene | 8.35 | 225 | 190447 | 40.548 | ng | | 100 |
| 35) Caprolactam | 8.69 | 113 | 93532m | 38.777 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.80 | 107 | 385212 | 47.875 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.94 | 142 | 808992 | 44.708 | ng | | 100 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.10 | 216 | 368723 | 46.156 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 9.08 | 237 | 239504 | 64.791 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.22 | 196 | 217639 | 43.024 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.27 | 196 | 272124 | 44.553 | ng | | 97 |
| 45) 1,1'-Biphenyl | 9.40 | 154 | 1004378 | 44.921 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.43 | 162 | 800834 | 45.407 | ng | | 99 |
| 47) 2-Nitroaniline | 9.55 | 65 | 225606 | 44.860 | ng | | 98 |
| 48) Acenaphthylene | 9.85 | 152 | 1136950 | 42.551 | ng | | 99 |
| 49) Dimethylphthalate | 9.70 | 163 | 1050263 | 51.063 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.78 | 165 | 201877 | 45.621 | ng | | 93 |
| 51) Acenaphthene | 10.02 | 154 | 645812 | 41.781 | ng | | 99 |
| 52) 3-Nitroaniline | 9.97 | 138 | 120057 | 23.602 | ng | # | 96 |
| 53) 2,4-Dinitrophenol | 10.07 | 184 | 96672 | 52.128 | ng | # | 38 |
| 54) Dibenzofuran | 10.20 | 168 | 980863 | 43.455 | ng | | 96 |
| 55) 4-Nitrophenol | 10.15 | 139 | 181127 | 59.385 | ng | | 95 |
| 56) 2,4-Dinitrotoluene | 10.19 | 165 | 256790 | 45.477 | ng | # | 89 |
| 57) Fluorene | 10.54 | 166 | 813738 | 43.704 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.32 | 232 | 247233 | 54.028 | ng | | 90 |
| 59) Diethylphthalate | 10.40 | 149 | 855163 | 43.400 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.52 | 204 | 382983 | 44.785 | ng | | 99 |
| 61) 4-Nitroaniline | 10.60 | 138 | 183866 | 38.630 | ng | | 94 |
| 62) Azobenzene | 10.69 | 77 | 796800 | 44.721 | ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 10.60 | 198 | 117689 | 40.635 | ng | | 81 |
| 65) n-Nitrosodiphenylamine | 10.65 | 169 | 723687 | 44.661 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 11.02 | 248 | 239506 | 46.789 | ng | | 93 |
| 67) Hexachlorobenzene | 11.09 | 284 | 258488 | 43.899 | ng | # | 89 |
| 68) Atrazine | 11.17 | 200 | 228024 | 45.934 | ng | | 98 |
| 69) Pentachlorophenol | 11.29 | 266 | 242474 | 74.834 | ng | | 96 |
| 70) Phenanthrene | 11.51 | 178 | 1178802 | 45.506 | ng | | 99 |
| 71) Anthracene | 11.56 | 178 | 1328755 | 49.108 | ng | | 99 |
| 72) Carbazole | 11.72 | 167 | 1214407 | 47.024 | ng | | 100 |
| 73) Di-n-butylphthalate | 12.02 | 149 | 1302685 | 42.348 | ng | | 99 |
| 74) Fluoranthene | 12.70 | 202 | 1306049 | 47.432 | ng | | 99 |
| 76) Benzidine | 12.84 | 184 | 280572 | 27.585 | ng | | 98 |
| 77) Pyrene | 12.93 | 202 | 1282786 | 49.997 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.53 | 149 | 563277 | 46.599 | ng | | 98 |
| 80) Benzo(a)anthracene | 14.13 | 228 | 946147 | 42.366 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.09 | 252 | 181833 | 24.598 | ng | | 98 |
| 82) Chrysene | 14.17 | 228 | 1069205 | 48.880 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.07 | 149 | 728311 | 46.632 | ng | | 100 |
| 84) Di-n-octyl phthalate | 14.70 | 149 | 1184992 | 44.107 | ng | # | 94 |
| 85) Indeno(1,2,3-cd)pyrene | 17.26 | 276 | 859995 | 37.940 | ng | | 97 |
| 87) Benzo(b)fluoranthene | 15.22 | 252 | 747473 | 39.673 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 15.24 | 252 | 1007540 | 56.769 | ng | | 99 |
| 89) Benzo(a)pyrene | 15.61 | 252 | 827707 | 47.407 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 17.27 | 278 | 703711 | 43.593 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 17.74 | 276 | 705468 | 43.631 | ng | | 96 |

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

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