Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
Data File : BF108761.D
Acq On : 5 Sep 2018 2:52
Operator : JU/SJ
Sample : PB112567BS
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB112567BS

**Manual Integrations APPROVED**
Sohil
9/5/2018 12:48:03 PM

Quant Time: Sep 05 08:21:22 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 30 15:06:55 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.00 | 152 | 68651 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.27 | 136 | 246641 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 10.04 | 164 | 114976 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.53 | 188 | 235491 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 14.19 | 240 | 177342 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.74 | 264 | 126219 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.63 | 112 | 430175 | 108.86 | ng | | -0.02 |
| 7) Phenol-d6 | 6.62 | 99 | 577103 | 101.96 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 7.56 | 82 | 403389 | 83.02 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.83 | 330 | 161837 | 106.62 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 9.34 | 172 | 762246 | 89.14 | ng | | -0.02 |
| 78) Terphenyl-d14 | 13.11 | 244 | 894243 | 97.97 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.92 | 88 | 64429 | 35.081 | ng | | 95 |
| 3) Pyridine | 3.72 | 79 | 132293 | 31.177 | ng | # | 82 |
| 4) n-Nitrosodimethylamine | 3.70 | 42 | 48541 | 22.933 | ng | | 85 |
| 6) Aniline | 6.68 | 93 | 140508 | 23.006 | ng | # | 80 |
| 8) 2-Chlorophenol | 6.78 | 128 | 190029 | 39.328 | ng | | 95 |
| 9) Benzaldehyde | 6.56 | 77 | 107438m | 30.711 | ng | | |
| 10) Phenol | 6.64 | 94 | 187142 | 28.354 | ng | | 81 |
| 11) bis(2-Chloroethyl)ether | 6.72 | 93 | 212608 | 36.581 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.93 | 146 | 201937 | 36.045 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 7.01 | 146 | 238865 | 39.060 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.16 | 146 | 230907 | 41.113 | ng | | 97 |
| 15) Benzyl Alcohol | 7.14 | 79 | 106971m | 26.273 | ng | | |
| 16) 2,2'-oxybis(1-Chloropropan | 7.25 | 45 | 351764 | 39.453 | ng | | 76 |
| 17) 2-Methylphenol | 7.24 | 107 | 129439 | 34.455 | ng | # | 72 |
| 18) Hexachloroethane | 7.50 | 117 | 67302 | 32.001 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 7.39 | 70 | 141171 | 37.245 | ng | | 91 |
| 20) 3+4-Methylphenols | 7.40 | 107 | 144065 | 30.607 | ng | # | 18 |
| 22) Acetophenone | 7.40 | 105 | 275655 | 44.770 | ng | # | 88 |
| 24) Nitrobenzene | 7.58 | 77 | 183308 | 37.205 | ng | | 94 |
| 25) Isophorone | 7.80 | 82 | 371286 | 45.998 | ng | | 95 |
| 26) 2-Nitrophenol | 7.90 | 139 | 63230 | 28.349 | ng | # | 88 |
| 27) 2,4-Dimethylphenol | 7.92 | 122 | 161909 | 49.913 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 8.01 | 93 | 210752 | 41.332 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.14 | 162 | 145782 | 37.882 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.21 | 180 | 173615 | 40.344 | ng | | 95 |
| 31) Naphthalene | 8.30 | 128 | 556115 | 47.338 | ng | | 99 |
| 32) Benzoic acid | 8.05 | 122 | 28784m | 13.837 | ng | | |
| 33) 4-Chloroaniline | 8.36 | 127 | 139263 | 26.854 | ng | | 93 |
| 34) Hexachlorobutadiene | 8.40 | 225 | 119730 | 42.373 | ng | | 99 |
| 35) Caprolactam | 8.71 | 113 | 37512 | 36.581 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 8.83 | 107 | 150251 | 36.377 | ng | | 100 |
| 37) 2-Methylnaphthalene | 8.99 | 142 | 342375 | 43.075 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.15 | 216 | 181577 | 44.484 | ng | # | 96 |
| 40) Hexachlorocyclopentadiene | 9.12 | 237 | 12547 | 13.684 | ng | | 96 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.27 | 196 | 89294 | 36.941 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.32 | 196 | 129071 | 45.791 | ng | | 95 |
| 45) 1,1'-Biphenyl | 9.45 | 154 | 435085 | 43.468 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.48 | 162 | 333592 | 42.571 | ng | | 98 |
| 47) 2-Nitroaniline | 9.59 | 65 | 111360 | 42.490 | ng | | 86 |
| 48) Acenaphthylene | 9.90 | 152 | 514051 | 44.808 | ng | | 99 |
| 49) Dimethylphthalate | 9.74 | 163 | 393979 | 43.515 | ng | # | 99 |
| 50) 2,6-Dinitrotoluene | 9.82 | 165 | 73927 | 37.043 | ng | # | 90 |
| 51) Acenaphthene | 10.07 | 154 | 300366 | 43.789 | ng | | 100 |
| 52) 3-Nitroaniline | 10.01 | 138 | 95671 | 44.314 | ng | | 91 |
| 54) Dibenzofuran | 10.24 | 168 | 445581 | 41.514 | ng | | 96 |
| 55) 4-Nitrophenol | 10.19 | 139 | 48100 | 37.605 | ng | # | 81 |
| 56) 2,4-Dinitrotoluene | 10.23 | 165 | 89128 | 33.729 | ng | # | 89 |
| 57) Fluorene | 10.59 | 166 | 366075 | 44.010 | ng | | 96 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.36 | 232 | 98220 | 38.897 | ng | # | 83 |
| 59) Diethylphthalate | 10.44 | 149 | 384481 | 42.150 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 10.57 | 204 | 189507 | 40.149 | ng | | 91 |
| 61) 4-Nitroaniline | 10.63 | 138 | 89694 | 42.934 | ng | | 93 |
| 62) Azobenzene | 10.73 | 77 | 370933 | 40.912 | ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 10.65 | 198 | 2367 | 2.265 | ng | # | 1 |
| 65) n-Nitrosodiphenylamine | 10.70 | 169 | 324204 | 41.438 | ng | | 96 |
| 66) 4-Bromophenyl-phenylether | 11.07 | 248 | 122268 | 42.245 | ng | # | 85 |
| 67) Hexachlorobenzene | 11.14 | 284 | 126671 | 40.624 | ng | # | 84 |
| 68) Atrazine | 11.21 | 200 | 110234 | 57.484 | ng | | 96 |
| 69) Pentachlorophenol | 11.34 | 266 | 87438 | 52.772 | ng | | 99 |
| 70) Phenanthrene | 11.55 | 178 | 516688 | 43.469 | ng | | 99 |
| 71) Anthracene | 11.61 | 178 | 621336 | 49.749 | ng | | 99 |
| 72) Carbazole | 11.77 | 167 | 518744 | 42.955 | ng | | 99 |
| 73) Di-n-butylphthalate | 12.07 | 149 | 614485 | 44.226 | ng | | 99 |
| 74) Fluoranthene | 12.75 | 202 | 637128 | 47.619 | ng | | 93 |
| 76) Benzidine | 12.88 | 184 | 492472 | 98.653 | ng | | 99 |
| 77) Pyrene | 12.98 | 202 | 610787 | 45.816 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.58 | 149 | 268595 | 47.915 | ng | | 97 |
| 80) Benzo(a)anthracene | 14.18 | 228 | 457003 | 42.271 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.14 | 252 | 186421 | 47.547 | ng | # | 96 |
| 82) Chrysene | 14.21 | 228 | 484226 | 46.574 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 14.12 | 149 | 361800 | 50.213 | ng | | 100 |
| 84) Di-n-octyl phthalate | 14.75 | 149 | 545702 | 51.511 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 17.36 | 276 | 323075 | 44.690 | ng | # | 89 |
| 87) Benzo(b)fluoranthene | 15.27 | 252 | 324370 | 41.835 | ng | # | 97 |
| 88) Benzo(k)fluoranthene | 15.30 | 252 | 364374 | 47.440 | ng | # | 96 |
| 89) Benzo(a)pyrene | 15.67 | 252 | 320666 | 45.764 | ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 17.37 | 278 | 279173 | 49.886 | ng | # | 92 |
| 91) Benzo(g,h,i)perylene | 17.85 | 276 | 265306 | 48.778 | ng | # | 88 |

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

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