Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100318\
Data File : BF109578.D
Acq On : 4 Oct 2018 6:20
Operator : JU/SJ
Sample : PB113461BSD
Misc :
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Oct 04 07:29:55 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 22 13:32:18 2018
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB113461BSD

**Manual Integrations APPROVED**
Sohil
10/4/2018 11:44:35 AM

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.70 | 152 | 88210 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.99 | 136 | 326588 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.73 | 164 | 141189 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.21 | 188 | 241594 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.84 | 240 | 192000 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.24 | 264 | 159628 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.33 | 112 | 483407 | 90.26 | ng | | 0.01 |
| 7) Phenol-d6 | 6.35 | 99 | 611492 | 89.48 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.27 | 82 | 560026 | 101.23 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.52 | 330 | 135963 | 97.69 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.06 | 172 | 1009479 | 107.83 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.79 | 244 | 857946 | 109.66 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.45 | 88 | 87115 | 35.319 | ng | | 95 |
| 3) Pyridine | 3.15 | 79 | 228747 | 36.033 | ng | | 89 |
| 4) n-Nitrosodimethylamine | 3.09 | 42 | 104670 | 38.744 | ng | # | 98 |
| 6) Aniline | 6.37 | 93 | 251595 | 28.776 | ng | # | 31 |
| 8) 2-Chlorophenol | 6.49 | 128 | 265302 | 44.547 | ng | | 97 |
| 9) Benzaldehyde | 6.25 | 77 | 113033 | 25.747 | ng | | 99 |
| 10) Phenol | 6.36 | 94 | 312750 | 40.411 | ng | # | 70 |
| 11) bis(2-Chloroethyl)ether | 6.45 | 93 | 249783 | 41.247 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 6.65 | 146 | 286617 | 41.799 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.72 | 146 | 302383 | 43.772 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.87 | 146 | 266497 | 41.819 | ng | | 99 |
| 15) Benzyl Alcohol | 6.85 | 79 | 214136 | 40.936 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.99 | 45 | 343499 | 39.989 | ng | | 80 |
| 17) 2-Methylphenol | 6.97 | 107 | 209806 | 43.539 | ng | # | 93 |
| 18) Hexachloroethane | 7.22 | 117 | 89951 | 36.959 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.12 | 70 | 183185 | 40.908 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.12 | 107 | 260454 | 44.767 | ng | # | 69 |
| 22) Acetophenone | 7.12 | 105 | 372420 | 49.323 | ng | | 98 |
| 24) Nitrobenzene | 7.29 | 77 | 271764 | 46.199 | ng | | 97 |
| 25) Isophorone | 7.53 | 82 | 500561 | 50.245 | ng | | 97 |
| 26) 2-Nitrophenol | 7.60 | 139 | 116167 | 49.936 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.65 | 122 | 228454 | 52.628 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.74 | 93 | 319636 | 48.468 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.85 | 162 | 219990 | 48.235 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 7.93 | 180 | 229212 | 44.976 | ng | | 98 |
| 31) Naphthalene | 8.01 | 128 | 725628 | 47.547 | ng | | 99 |
| 32) Benzoic acid | 7.78 | 122 | 104414 | 37.181 | ng | | 98 |
| 33) 4-Chloroaniline | 8.06 | 127 | 162858 | 24.427 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.13 | 225 | 139516 | 45.411 | ng | | 97 |
| 35) Caprolactam | 8.43 | 113 | 66431m | 45.622 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.55 | 107 | 224071 | 46.688 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.70 | 142 | 483835 | 49.179 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.87 | 216 | 227291 | 50.584 | ng | | 97 |
| 40) Hexachlorocyclopentadiene | 8.85 | 237 | 50474 | 25.754 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.98 | 196 | 137738 | 47.761 | ng | | 100 |
| 43) 2,4,5-Trichlorophenol | 9.03 | 196 | 156650 | 51.432 | ng | | 95 |
| 45) 1,1'-Biphenyl | 9.16 | 154 | 579753 | 50.398 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.19 | 162 | 431839 | 46.990 | ng | | 99 |
| 47) 2-Nitroaniline | 9.28 | 65 | 139109 | 53.390 | ng | | 93 |
| 48) Acenaphthylene | 9.60 | 152 | 685496 | 49.445 | ng | | 99 |
| 49) Dimethylphthalate | 9.46 | 163 | 533785 | 51.979 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.52 | 165 | 104274 | 51.270 | ng | | 90 |
| 51) Acenaphthene | 9.77 | 154 | 374540 | 44.684 | ng | | 99 |
| 52) 3-Nitroaniline | 9.69 | 138 | 97611 | 41.443 | ng | | 96 |
| 53) 2,4-Dinitrophenol | 9.80 | 184 | 18033 | 30.848 | ng | # | 38 |
| 54) Dibenzofuran | 9.94 | 168 | 561644 | 45.056 | ng | | 96 |
| 55) 4-Nitrophenol | 9.87 | 139 | 132532 | 74.695 | ng | | 94 |
| 56) 2,4-Dinitrotoluene | 9.93 | 165 | 123150 | 47.855 | ng | # | 93 |
| 57) Fluorene | 10.28 | 166 | 428733 | 48.204 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.06 | 232 | 123175 | 51.076 | ng | # | 85 |
| 59) Diethylphthalate | 10.16 | 149 | 510199 | 49.062 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.27 | 204 | 212849 | 45.818 | ng | | 94 |
| 61) 4-Nitroaniline | 10.30 | 138 | 108684 | 47.316 | ng | | 95 |
| 62) Azobenzene | 10.43 | 77 | 461695 | 42.733 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 10.34 | 198 | 17365 | 22.039 | ng | | 85 |
| 65) n-Nitrosodiphenylamine | 10.39 | 169 | 409706 | 51.328 | ng | | 95 |
| 66) 4-Bromophenyl-phenylether | 10.76 | 248 | 133422 | 49.732 | ng | # | 87 |
| 67) Hexachlorobenzene | 10.83 | 284 | 135336 | 47.498 | ng | # | 88 |
| 68) Atrazine | 10.92 | 200 | 132738 | 54.070 | ng | | 98 |
| 69) Pentachlorophenol | 11.03 | 266 | 129314 | 75.829 | ng | | 99 |
| 70) Phenanthrene | 11.24 | 178 | 589700 | 48.886 | ng | | 99 |
| 71) Anthracene | 11.29 | 178 | 631961 | 51.653 | ng | | 99 |
| 72) Carbazole | 11.44 | 167 | 551727 | 45.324 | ng | | 100 |
| 73) Di-n-butylphthalate | 11.78 | 149 | 708160 | 50.533 | ng | | 99 |
| 74) Fluoranthene | 12.42 | 202 | 626264 | 48.581 | ng | | 96 |
| 76) Benzidine | 12.54 | 184 | 482611 | 69.716 | ng | | 98 |
| 77) Pyrene | 12.64 | 202 | 620087 | 45.063 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.27 | 149 | 282776 | 48.303 | ng | | 95 |
| 80) Benzo(a)anthracene | 13.83 | 228 | 523826 | 45.295 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.79 | 252 | 212540 | 48.358 | ng | | 99 |
| 82) Chrysene | 13.87 | 228 | 535048 | 46.678 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.83 | 149 | 357971 | 48.485 | ng | | 97 |
| 84) Di-n-octyl phthalate | 14.43 | 149 | 666039 | 52.761 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 16.59 | 276 | 396158 | 42.639 | ng | # | 92 |
| 87) Benzo(b)fluoranthene | 14.84 | 252 | 431565 | 49.201 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 14.87 | 252 | 463898m | 55.734 | ng | | |
| 89) Benzo(a)pyrene | 15.19 | 252 | 408701 | 51.709 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 16.60 | 278 | 334622 | 51.605 | ng | # | 96 |
| 91) Benzo(g,h,i)perylene | 17.00 | 276 | 323585 | 50.776 | ng | # | 91 |

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

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