Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040519\
Data File : BF113621.D
Acq On : 5 Apr 2019 17:52
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSTDCCC040

Quant Time: Apr 05 23:41:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 04 04:05:31 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.69 | 152 | 149018 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.97 | 136 | 586406 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.72 | 164 | 290732 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.20 | 188 | 580868 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.83 | 240 | 430696 | 20.00 | ng | | -0.01 |
| 87) Perylene-d12 | 15.23 | 264 | 336840 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.30 | 112 | 700427 | 80.15 | ng | | 0.00 |
| 7) Phenol-d6 | 6.34 | 99 | 860833 | 79.92 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.26 | 82 | 805767 | 80.49 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.51 | 330 | 277416 | 79.43 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.05 | 172 | 1422506 | 78.77 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.78 | 244 | 1611629 | 76.19 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.33 | 88 | 157768 | 38.118 | ng | | 98 |
| 3) Pyridine | 3.03 | 79 | 435706 | 40.225 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 2.98 | 42 | 186002 | 40.416 | ng | | 92 |
| 6) Aniline | 6.35 | 93 | 535730 | 41.035 | ng | | 91 |
| 8) 2-Chlorophenol | 6.47 | 128 | 408328 | 40.385 | ng | | 99 |
| 9) Benzaldehyde | 6.23 | 77 | 266343 | 41.588 | ng | | 99 |
| 10) Phenol | 6.36 | 94 | 501703 | 40.785 | ng | | 85 |
| 11) bis(2-Chloroethyl)ether | 6.43 | 93 | 379169 | 39.625 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.63 | 146 | 434119 | 39.870 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.70 | 146 | 438661 | 39.867 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.86 | 146 | 401086 | 40.384 | ng | | 98 |
| 15) Benzyl Alcohol | 6.84 | 79 | 307625 | 42.241 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.97 | 45 | 578419 | 38.835 | ng | | 84 |
| 17) 2-Methylphenol | 6.96 | 107 | 314518 | 40.140 | ng | | 95 |
| 18) Hexachloroethane | 7.19 | 117 | 157276 | 39.270 | ng | | 99 |
| 19) n-Nitroso-di-n-propylamine | 7.11 | 70 | 266576 | 40.137 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.12 | 107 | 400516 | 42.186 | ng | | 93 |
| 22) Acetophenone | 7.10 | 105 | 522324 | 40.555 | ng | # | 98 |
| 24) Nitrobenzene | 7.27 | 77 | 411936 | 39.956 | ng | | 97 |
| 25) Isophorone | 7.52 | 82 | 771432 | 40.001 | ng | | 98 |
| 26) 2-Nitrophenol | 7.59 | 139 | 231580 | 41.735 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 7.64 | 122 | 311721 | 39.296 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.72 | 93 | 484712 | 39.755 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.84 | 162 | 352017 | 41.475 | ng | | 100 |
| 30) 1,2,4-Trichlorobenzene | 7.92 | 180 | 366564 | 39.771 | ng | | 97 |
| 31) Naphthalene | 7.99 | 128 | 1138698 | 40.077 | ng | | 99 |
| 32) Benzoic acid | 7.80 | 122 | 213113 | 34.694 | ng | | 100 |
| 33) 4-Chloroaniline | 8.05 | 127 | 483037 | 42.875 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.11 | 225 | 225687 | 40.163 | ng | | 99 |
| 35) Caprolactam | 8.44 | 113 | 117713 | 43.691 | ng | | 92 |
| 36) 4-Chloro-3-methylphenol | 8.55 | 107 | 355530 | 41.729 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.68 | 142 | 753645 | 40.330 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.78 | 142 | 725165 | 40.244 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.85 | 216 | 365999 | 38.926 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.83 | 237 | 86533 | 35.274 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 8.97 | 196 | 237210 | 39.967 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 9.02 | 196 | 255246 | 40.058 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.15 | 154 | 942844 | 39.300 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.17 | 162 | 714911 | 39.358 | ng | | 99 |
| 48) 2-Nitroaniline | 9.27 | 65 | 230831 | 41.530 | ng | | 97 |
| 49) Acenaphthylene | 9.58 | 152 | 1154319 | 39.080 | ng | | 100 |
| 50) Dimethylphthalate | 9.45 | 163 | 844810 | 39.420 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.52 | 165 | 192100 | 40.665 | ng | | 95 |
| 52) Acenaphthene | 9.75 | 154 | 666131 | 39.397 | ng | | 99 |
| 53) 3-Nitroaniline | 9.69 | 138 | 223613 | 41.634 | ng | | 94 |
| 54) 2,4-Dinitrophenol | 9.80 | 184 | 84217 | 38.106 | ng | | 92 |
| 55) Dibenzofuran | 9.92 | 168 | 976566 | 39.374 | ng | | 99 |
| 56) 4-Nitrophenol | 9.87 | 139 | 124248 | 37.293 | ng | | 91 |
| 57) 2,4-Dinitrotoluene | 9.92 | 165 | 236513 | 41.397 | ng | # | 85 |
| 58) Fluorene | 10.27 | 166 | 786958 | 40.117 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.05 | 232 | 223695 | 40.558 | ng | | 97 |
| 60) Diethylphthalate | 10.15 | 149 | 815178 | 39.452 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 10.26 | 204 | 386464 | 40.053 | ng | | 93 |
| 62) 4-Nitroaniline | 10.30 | 138 | 235507 | 43.121 | ng | | 98 |
| 63) Azobenzene | 10.42 | 77 | 767551 | 39.233 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 10.34 | 198 | 124461 | 40.700 | ng | | 99 |
| 66) n-Nitrosodiphenylamine | 10.38 | 169 | 701140 | 39.319 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 10.74 | 248 | 256059 | 39.305 | ng | | 94 |
| 68) Hexachlorobenzene | 10.82 | 284 | 295364 | 39.568 | ng | | 100 |
| 69) Atrazine | 10.91 | 200 | 222381 | 39.565 | ng | | 98 |
| 70) Pentachlorophenol | 11.02 | 266 | 142618 | 40.546 | ng | | 99 |
| 71) Phenanthrene | 11.22 | 178 | 1145446 | 39.685 | ng | | 100 |
| 72) Anthracene | 11.27 | 178 | 1161456 | 39.550 | ng | | 100 |
| 73) Carbazole | 11.43 | 167 | 1121705 | 40.839 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.76 | 149 | 1295128 | 39.639 | ng | | 100 |
| 75) Fluoranthene | 12.41 | 202 | 1262769 | 40.827 | ng | | 98 |
| 77) Benzidine | 12.53 | 184 | 617936 | 38.582 | ng | | 99 |
| 78) Pyrene | 12.63 | 202 | 1281495 | 39.104 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.24 | 149 | 533669 | 40.006 | ng | | 99 |
| 81) Benzo(a)anthracene | 13.82 | 228 | 1020985 | 41.094 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.78 | 252 | 397279 | 41.515 | ng | | 99 |
| 83) Chrysene | 13.86 | 228 | 979838 | 38.905 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 13.80 | 149 | 661163 | 40.993 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.41 | 149 | 1022584 | 39.005 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 16.60 | 276 | 814939 | 35.046 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 14.83 | 252 | 910505 | 44.159 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 14.86 | 252 | 708250 | 38.274 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.17 | 252 | 745504 | 40.689 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 16.60 | 278 | 670329 | 39.123 | ng | | 100 |
| 92) Benzo(g,h,i)perylene | 17.00 | 276 | 683444 | 39.080 | ng | | 100 |

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

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