Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121787.D
Acq On : 2 Oct 2020 11:27
Operator : JU/CG
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
mohammad
10/5/2020 10:27:14 AM

Quant Time: Oct 02 14:21:22 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 01 14:29:14 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.76 | 152 | 151478 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.05 | 136 | 559420 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.80 | 164 | 284139 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.29 | 188 | 519201 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.93 | 240 | 389797 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.36 | 264 | 348807 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.39 | 112 | 809891 | 79.46 | ng | | 0.00 |
| 7) Phenol-d6 | 6.42 | 99 | 1047615 | 78.34 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.34 | 82 | 885381 | 84.98 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.59 | 330 | 295009 | 83.54 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 9.13 | 172 | 1464085 | 78.04 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.87 | 244 | 1629259 | 84.68 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.49 | 88 | 181061 | 38.666 | ng | | 99 |
| 3) Pyridine | 3.21 | 79 | 519340 | 40.118 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.18 | 42 | 239432 | 39.874 | ng | | 100 |
| 6) Aniline | 6.43 | 93 | 654748 | 37.594 | ng | # | 89 |
| 8) 2-Chlorophenol | 6.56 | 128 | 415338 | 40.022 | ng | | 95 |
| 9) Benzaldehyde | 6.32 | 77 | 293666 | 33.593 | ng | | 99 |
| 10) Phenol | 6.43 | 94 | 532064 | 37.364 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 6.51 | 93 | 427006 | 39.786 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 6.70 | 146 | 466008 | 40.231 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.78 | 146 | 467282 | 40.177 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.94 | 146 | 423163 | 39.495 | ng | | 99 |
| 15) Benzyl Alcohol | 6.92 | 79 | 362481 | 39.881 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.05 | 45 | 666618 | 38.598 | ng | | 95 |
| 17) 2-Methylphenol | 7.03 | 107 | 356819 | 40.410 | ng | | 96 |
| 18) Hexachloroethane | 7.27 | 117 | 171829 | 41.261 | ng | | 99 |
| 19) n-Nitroso-di-n-propylamine | 7.19 | 70 | 296616 | 38.487 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.19 | 107 | 406408 | 38.307 | ng | | 93 |
| 22) Acetophenone | 7.18 | 105 | 559803 | 39.441 | ng | # | 97 |
| 24) Nitrobenzene | 7.36 | 77 | 470397 | 41.743 | ng | | 97 |
| 25) Isophorone | 7.60 | 82 | 839692 | 40.035 | ng | | 99 |
| 26) 2-Nitrophenol | 7.67 | 139 | 221759 | 42.132 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 7.71 | 122 | 369518 | 39.469 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.80 | 93 | 518432 | 39.928 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.92 | 162 | 344661 | 40.419 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 7.99 | 180 | 364492 | 40.586 | ng | | 99 |
| 31) Naphthalene | 8.07 | 128 | 1171453 | 39.669 | ng | | 99 |
| 32) Benzoic acid | 7.86 | 122 | 199217 | 31.335 | ng | | 99 |
| 33) 4-Chloroaniline | 8.12 | 127 | 519306 | 40.568 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.19 | 225 | 217196 | 41.203 | ng | | 99 |
| 35) Caprolactam | 8.51 | 113 | 113378 | 39.926 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 8.62 | 107 | 370871 | 40.374 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.76 | 142 | 761512 | 39.349 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.86 | 142 | 705865 | 39.190 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.93 | 216 | 364062 | 41.018 | ng | | 100 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.92 | 237 | 174086 | 34.346 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.05 | 196 | 240356 | 39.730 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 9.09 | 196 | 260308 | 40.702 | ng | | 96 |
| 46) 1,1'-Biphenyl | 9.23 | 154 | 905126 | 39.791 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.25 | 162 | 712917 | 39.771 | ng | | 99 |
| 48) 2-Nitroaniline | 9.35 | 65 | 244659 | 43.922 | ng | | 98 |
| 49) Acenaphthylene | 9.67 | 152 | 1094745 | 39.748 | ng | | 99 |
| 50) Dimethylphthalate | 9.53 | 163 | 830867 | 40.345 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.60 | 165 | 188456 | 42.969 | ng | | 88 |
| 52) Acenaphthene | 9.84 | 154 | 640347 | 36.811 | ng | | 100 |
| 53) 3-Nitroaniline | 9.76 | 138 | 213894 | 42.099 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 9.87 | 184 | 89958 | 40.588 | ng | # | 89 |
| 55) Dibenzofuran | 10.01 | 168 | 934486 | 38.146 | ng | | 99 |
| 56) 4-Nitrophenol | 9.93 | 139 | 139474 | 34.422 | ng | | 85 |
| 57) 2,4-Dinitrotoluene | 10.00 | 165 | 237728 | 43.085 | ng | | 96 |
| 58) Fluorene | 10.35 | 166 | 741015 | 39.554 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.13 | 232 | 206590 | 39.734 | ng | | 97 |
| 60) Diethylphthalate | 10.23 | 149 | 790290 | 39.360 | ng | | 100 |
| 61) 4-Chlorophenyl-phenylether | 10.35 | 204 | 362993 | 40.448 | ng | | 99 |
| 62) 4-Nitroaniline | 10.38 | 138 | 209564 | 41.542 | ng | | 99 |
| 63) Azobenzene | 10.50 | 77 | 841315 | 39.347 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 10.41 | 198 | 138509 | 44.120 | ng | | 90 |
| 66) n-Nitrosodiphenylamine | 10.46 | 169 | 700579 | 39.331 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.83 | 248 | 240956 | 40.762 | ng | | 98 |
| 68) Hexachlorobenzene | 10.90 | 284 | 272488 | 40.846 | ng | # | 91 |
| 69) Atrazine | 10.99 | 200 | 170918 | 38.622 | ng | | 99 |
| 70) Pentachlorophenol | 11.10 | 266 | 117882m | 32.176 | ng | | |
| 71) Phenanthrene | 11.32 | 178 | 1109800 | 39.232 | ng | | 100 |
| 72) Anthracene | 11.36 | 178 | 1150284 | 39.404 | ng | | 100 |
| 73) Carbazole | 11.52 | 167 | 1028874 | 39.057 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.85 | 149 | 1215619 | 39.982 | ng | | 99 |
| 75) Fluoranthene | 12.50 | 202 | 1197734 | 39.663 | ng | | 100 |
| 77) Benzidine | 12.62 | 184 | 748116 | 57.892 | ng | | 100 |
| 78) Pyrene | 12.73 | 202 | 1201404 | 42.184 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.35 | 149 | 508743 | 44.169 | ng | | 98 |
| 81) Benzo(a)anthracene | 13.92 | 228 | 1021952 | 41.441 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.88 | 252 | 405257 | 42.094 | ng | | 99 |
| 83) Chrysene | 13.96 | 228 | 1009407 | 40.422 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 13.90 | 149 | 670819 | 43.596 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.52 | 149 | 1103125 | 40.623 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.78 | 276 | 924040 | 40.679 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 14.95 | 252 | 948390 | 40.672 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 14.98 | 252 | 895780 | 41.950 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.30 | 252 | 813460 | 41.040 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.79 | 278 | 757197 | 40.044 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.21 | 276 | 773787 | 41.630 | ng | | 98 |

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

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