Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113109.D
Acq On : 19 Mar 2019 00:17
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
3/20/2019 6:46:24 PM

Quant Time: Mar 20 05:44:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 13 03:42:55 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.73 | 152 | 144479 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.02 | 136 | 580271 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.76 | 164 | 237392 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.24 | 188 | 424952 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.87 | 240 | 369417 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.28 | 264 | 281895 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.35 | 112 | 625756 | 67.37 | ng | | 0.00 |
| 7) Phenol-d6 | 6.38 | 99 | 755271 | 64.73 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.30 | 82 | 735644 | 75.86 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.55 | 330 | 211560 | 83.95 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.09 | 172 | 1291331 | 92.18 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.82 | 244 | 1401495 | 73.54 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.37 | 88 | 176675 | 37.947 | ng | | 97 |
| 3) Pyridine | 3.09 | 79 | 422365 | 33.909 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.02 | 42 | 182333 | 33.463 | ng | | 99 |
| 6) Aniline | 6.39 | 93 | 474117 | 29.522 | ng | # | 38 |
| 8) 2-Chlorophenol | 6.52 | 128 | 353466 | 34.187 | ng | | 94 |
| 9) Benzaldehyde | 6.27 | 77 | 226552 | 26.949 | ng | | 96 |
| 10) Phenol | 6.39 | 94 | 429155 | 31.521 | ng | # | 67 |
| 11) bis(2-Chloroethyl)ether | 6.47 | 93 | 339899 | 32.526 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 6.67 | 146 | 401444 | 37.586 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.75 | 146 | 433881 | 40.507 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 6.90 | 146 | 398782 | 40.613 | ng | | 98 |
| 15) Benzyl Alcohol | 6.87 | 79 | 308740 | 34.703 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.01 | 45 | 597206 | 34.244 | ng | | 81 |
| 17) 2-Methylphenol | 7.00 | 107 | 300352 | 35.809 | ng | | 98 |
| 18) Hexachloroethane | 7.25 | 117 | 122280 | 29.803 | ng | | 91 |
| 19) n-Nitroso-di-n-propylamine | 7.15 | 70 | 258066 | 34.924 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.15 | 107 | 366076 | 38.658 | ng | # | 70 |
| 22) Acetophenone | 7.14 | 105 | 538770 | 39.708 | ng | # | 89 |
| 24) Nitrobenzene | 7.32 | 77 | 389221 | 36.062 | ng | | 95 |
| 25) Isophorone | 7.55 | 82 | 691676 | 33.108 | ng | | 99 |
| 26) 2-Nitrophenol | 7.63 | 139 | 103963 | 23.139 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 7.67 | 122 | 315155 | 37.704 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.76 | 93 | 503188 | 38.524 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.88 | 162 | 316694 | 39.070 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 7.96 | 180 | 364015 | 41.794 | ng | | 99 |
| 31) Naphthalene | 8.03 | 128 | 1101035 | 38.218 | ng | | 99 |
| 32) Benzoic acid | 7.76 | 122 | 106024m | 18.097 | ng | | |
| 33) 4-Chloroaniline | 8.09 | 127 | 454562 | 37.253 | ng | | 100 |
| 34) Hexachlorobutadiene | 8.16 | 225 | 225776 | 45.965 | ng | | 99 |
| 35) Caprolactam | 8.45 | 113 | 88092 | 30.856 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 8.57 | 107 | 308634 | 34.405 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.73 | 142 | 690023 | 37.089 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.83 | 142 | 654780 | 36.332 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.89 | 216 | 327694 | 47.337 | ng | # | 98 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.88 | 237 | 5313 | 1.402 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 9.01 | 196 | 182901 | 38.390 | ng | | 100 |
| 44) 2,4,5-Trichlorophenol | 9.06 | 196 | 194602 | 37.789 | ng | | 94 |
| 46) 1,1'-Biphenyl | 9.19 | 154 | 803052 | 41.474 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.22 | 162 | 582529 | 38.529 | ng | | 96 |
| 48) 2-Nitroaniline | 9.31 | 65 | 185506 | 40.366 | ng | | 92 |
| 49) Acenaphthylene | 9.63 | 152 | 962376 | 37.494 | ng | | 98 |
| 50) Dimethylphthalate | 9.49 | 163 | 711711 | 40.660 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.55 | 165 | 129538 | 35.538 | ng | # | 74 |
| 52) Acenaphthene | 9.80 | 154 | 544561 | 36.280 | ng | | 99 |
| 53) 3-Nitroaniline | 9.72 | 138 | 187903 | 42.306 | ng | | 97 |
| 55) Dibenzofuran | 9.97 | 168 | 827164 | 37.916 | ng | | 97 |
| 56) 4-Nitrophenol | 9.89 | 139 | 100505 | 27.843 | ng | | 94 |
| 57) 2,4-Dinitrotoluene | 9.95 | 165 | 157315 | 34.720 | ng | | 88 |
| 58) Fluorene | 10.31 | 166 | 602003 | 38.880 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.09 | 232 | 159490 | 37.174 | ng | | 93 |
| 60) Diethylphthalate | 10.18 | 149 | 720342 | 38.965 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.30 | 204 | 319574 | 44.360 | ng | | 89 |
| 62) 4-Nitroaniline | 10.32 | 138 | 188231 | 45.863 | ng | | 97 |
| 63) Azobenzene | 10.46 | 77 | 613241 | 32.385 | ng | | 93 |
| 65) 4,6-Dinitro-2-methylphenol | 10.55 | 198 | 299 | 4.768 | ng | # | 1 |
| 66) n-Nitrosodiphenylamine | 10.42 | 169 | 545211 | 40.005 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.79 | 248 | 195850 | 43.755 | ng | # | 90 |
| 68) Hexachlorobenzene | 10.86 | 284 | 216589 | 42.926 | ng | # | 90 |
| 69) Atrazine | 10.94 | 200 | 150431 | 36.040 | ng | | 98 |
| 70) Pentachlorophenol | 11.06 | 266 | 86639 | 29.174 | ng | | 97 |
| 71) Phenanthrene | 11.27 | 178 | 846747 | 40.049 | ng | | 99 |
| 72) Anthracene | 11.32 | 178 | 872214 | 39.409 | ng | | 98 |
| 73) Carbazole | 11.47 | 167 | 838282 | 38.827 | ng | | 98 |
| 74) Di-n-butylphthalate | 11.80 | 149 | 1009411 | 38.992 | ng | | 100 |
| 75) Fluoranthene | 12.45 | 202 | 1014600 | 44.790 | ng | | 96 |
| 77) Benzidine | 12.57 | 184 | 568954 | 29.686 | ng | | 99 |
| 78) Pyrene | 12.68 | 202 | 1045934 | 33.585 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.30 | 149 | 478528 | 34.811 | ng | | 89 |
| 81) Benzo(a)anthracene | 13.86 | 228 | 832770 | 32.526 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.83 | 252 | 386025 | 39.865 | ng | # | 98 |
| 83) Chrysene | 13.90 | 228 | 863328 | 34.424 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 13.86 | 149 | 626605 | 38.862 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.47 | 149 | 1175337 | 42.451 | ng | | 97 |
| 86) Indeno(1,2,3-cd)pyrene | 16.66 | 276 | 658928 | 30.819 | ng | | 95 |
| 88) Benzo(b)fluoranthene | 14.88 | 252 | 711596 | 39.026 | ng | # | 96 |
| 89) Benzo(k)fluoranthene | 14.91 | 252 | 573464m | 34.721 | ng | | |
| 90) Benzo(a)pyrene | 15.22 | 252 | 597722 | 37.061 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 16.66 | 278 | 550616 | 40.009 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 17.06 | 276 | 530307 | 38.374 | ng | | 95 |

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

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