Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020922\
Data File : BM034033.D
Acq On : 09 Feb 2022 18:56
Operator : CG/JU
Sample : SP5814
Misc : 8270/625 SPIKE
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SP5814

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 02/10/2022
Supervised By :Jagrut Upadhyay 02/11/2022

Quant Time: Feb 10 04:06:39 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 09 17:52:36 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.900 | 152 | 140872 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.715 | 136 | 535997 | 20.000 | ng | # | 0.00 |
| 39) Acenaphthene-d10 | 14.545 | 164 | 310757 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.270 | 188 | 558834 | 20.000 | ng | # | 0.00 |
| 76) Chrysene-d12 | 21.437 | 240 | 438871 | 20.000 | ng | # | 0.00 |
| 86) Perylene-d12 | 23.825 | 264 | 446426 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 0.000 | 112 | 0 | 0.000 | ng | | |
| 7) Phenol-d6 | 0.000 | 99 | 0 | 0.000 | ng | | |
| 23) Nitrobenzene-d5 | 0.000 | 82 | 0d | 0.000 | ng | | |
| 42) 2,4,6-Tribromophenol | 0.000 | 330 | 0 | 0.000 | ng | | |
| 45) 2-Fluorobiphenyl | 0.000 | 172 | 0d | 0.000 | ng | | |
| 79) Terphenyl-d14 | 0.000 | 244 | 0d | 0.000 | ng | | |
| Target Compounds | | | | | | | Qvalue |
| 3) Pyridine | 3.710 | 79 | 516911 | 49.053 | ng | # | 72 |
| 4) n-Nitrosodimethylamine | 3.620 | 42 | 192673 | 50.690 | ng | # | 23 |
| 6) Aniline | 7.224 | 93 | 570455 | 47.524 | ng | # | 89 |
| 8) 2-Chlorophenol | 7.449 | 128 | 504937 | 58.320 | ng | | 99 |
| 9) Benzaldehyde | 7.021 | 77 | 424641 | 69.910 | ng | | 98 |
| 10) Phenol | 7.089 | 94 | 639416 | 58.474 | ng | | 86 |
| 11) bis(2-Chloroethyl)ether | 7.314 | 93 | 515211 | 57.742 | ng | | 89 |
| 12) 1,3-Dichlorobenzene | 7.787 | 146 | 603127 | 58.403 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 7.945 | 146 | 563570 | 56.531 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 8.260 | 146 | 556181 | 55.444 | ng | | 96 |
| 15) Benzyl Alcohol | 8.147 | 79 | 459101 | 56.192 | ng | # | 88 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.440 | 45 | 531381 | 55.266 | ng | | 84 |
| 17) 2-Methylphenol | 8.350 | 107 | 427478 | 59.918 | ng | | 94 |
| 18) Hexachloroethane | 8.981 | 117 | 220798 | 58.594 | ng | | 90 |
| 19) n-Nitroso-di-n-propyla... | 8.711 | 70 | 396096 | 57.879 | ng | # | 81 |
| 20) 3+4-Methylphenols | 8.665 | 107 | 542028 | 55.084 | ng | | 97 |
| 22) Acetophenone | 8.733 | 105 | 736161 | 54.920 | ng | # | 82 |
| 24) Nitrobenzene | 9.093 | 77 | 551157 | 54.070 | ng | | 98 |
| 25) Isophorone | 9.634 | 82 | 987849 | 59.296 | ng | | 99 |
| 26) 2-Nitrophenol | 9.814 | 139 | 255858 | 59.255 | ng | | 91 |
| 27) 2,4-Dimethylphenol | 9.882 | 122 | 487344 | 64.530 | ng | | 95 |
| 28) bis(2-Chloroethoxy)met... | 10.107 | 93 | 602343 | 54.702 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.355 | 162 | 456116 | 57.627 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.580 | 180 | 540916 | 56.249 | ng | | 98 |
| 31) Naphthalene | 10.760 | 128 | 1581819 | 56.772 | ng | | 99 |
| 32) Benzoic acid | 10.017 | 122 | 258195 | 46.385 | ng | | 93 |
| 33) 4-Chloroaniline | 10.873 | 127 | 243780 | 22.340 | ng | # | 88 |
| 34) Hexachlorobutadiene | 11.053 | 225 | 336306 | 54.942 | ng | | 97 |
| 35) Caprolactam | 11.639 | 113 | 116580 | 52.814 | ng | # | 76 |
| 36) 4-Chloro-3-methylphenol | 11.999 | 107 | 486789 | 56.391 | ng | | 90 |
| 37) 2-Methylnaphthalene | 12.382 | 142 | 986164 | 55.483 | ng | | 95 |
| 38) 1-Methylnaphthalene | 12.585 | 142 | 994530 | 56.037 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 12.743 | 216 | 583979 | 56.371 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.720 | 237 | 850305 | 157.265 | ng | | 96 |
| 43) 2,4,6-Trichlorophenol | 12.968 | 196 | 333764 | 55.995 | ng | | 100 |
| 44) 2,4,5-Trichlorophenol | 13.058 | 196 | 360930 | 53.825 | ng | # | 84 |

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|---|---|---|---|---|---|---|---|
| 46) 1,1'-Biphenyl | 13.373 | 154 | 1347962 | 56.653 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.418 | 162 | 1097705 | 57.477 | ng | | 99 |
| 48) 2-Nitroaniline | 13.621 | 65 | 287461 | 55.060 | ng | # | 67 |
| 49) Acenaphthylene | 14.252 | 152 | 1540324 | 58.965 | ng | | 99 |
| 50) Dimethylphthalate | 14.004 | 163 | 1239390 | 55.658 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 14.117 | 165 | 277129 | 60.014 | ng | # | 74 |
| 52) Acenaphthene | 14.612 | 154 | 1067242 | 59.576 | ng | | 99 |
| 53) 3-Nitroaniline | 14.432 | 138 | 132593 | 28.720 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 14.657 | 184 | 271563 | 110.259 | ng | # | 59 |
| 55) Dibenzofuran | 14.928 | 168 | 1350962 | 52.146 | ng | | 91 |
| 56) 4-Nitrophenol | 14.747 | 139 | 465793 | 116.107 | ng | # | 78 |
| 57) 2,4-Dinitrotoluene | 14.905 | 165 | 349619 | 60.988 | ng | # | 57 |
| 58) Fluorene | 15.581 | 166 | 1232854 | 54.076 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.175 | 232 | 286993 | 52.499 | ng | # | 34 |
| 60) Diethylphthalate | 15.355 | 149 | 1284551 | 53.870 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 15.581 | 204 | 676297 | 53.940 | ng | | 95 |
| 62) 4-Nitroaniline | 15.603 | 138 | 245324 | 51.472 | ng | | 82 |
| 63) Azobenzene | 15.874 | 77 | 1227332 | 54.810 | ng | | 78 |
| 65) 4,6-Dinitro-2-methylph... | 15.671 | 198 | 157479 | 49.214 | ng | # | 46 |
| 66) n-Nitrosodiphenylamine | 15.783 | 169 | 966927 | 55.560 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.482 | 248 | 321545 | 54.703 | ng | # | 77 |
| 68) Hexachlorobenzene | 16.594 | 284 | 409280 | 55.717 | ng | # | 86 |
| 69) Atrazine | 16.730 | 200 | 283553 | 53.918 | ng | | 95 |
| 70) Pentachlorophenol | 16.932 | 266 | 522382 | 115.639 | ng | | 97 |
| 71) Phenanthrene | 17.315 | 178 | 1777016 | 54.933 | ng | | 99 |
| 72) Anthracene | 17.405 | 178 | 1865811 | 58.941 | ng | | 99 |
| 73) Carbazole | 17.676 | 167 | 1619358 | 50.402 | ng | | 100 |
| 74) Di-n-butylphthalate | 18.239 | 149 | 2013234 | 58.151 | ng | | 99 |
| 75) Fluoranthene | 19.320 | 202 | 1643990 | 51.367 | ng | | 94 |
| 77) Benzidine | 19.500 | 184 | 953605 | 121.635 | ng | | 99 |
| 78) Pyrene | 19.680 | 202 | 1669728 | 59.655 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.581 | 149 | 937389 | 50.166 | ng | | 88 |
| 81) Benzo(a)anthracene | 21.437 | 228 | 1603158 | 52.950 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.370 | 252 | 322910 | 39.718 | ng | # | 94 |
| 83) Chrysene | 21.482 | 228 | 1771926m | 53.833 | ng | | |
| 84) Bis(2-ethylhexyl)phtha... | 21.347 | 149 | 729388 | 49.268 | ng | # | 91 |
| 85) Di-n-octyl phthalate | 22.271 | 149 | 1960692 | 55.131 | ng | # | 88 |
| 87) Indeno(1,2,3-cd)pyrene | 26.325 | 276 | 1771301 | 54.554 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 23.104 | 252 | 1797075m | 59.140 | ng | | |
| 89) Benzo(k)fluoranthene | 23.149 | 252 | 1478394m | 58.732 | ng | | |
| 90) Benzo(a)pyrene | 23.712 | 252 | 1576163 | 67.765 | ng | # | 97 |
| 91) Dibenzo(a,h)anthracene | 26.325 | 278 | 1538919 | 57.682 | ng | # | 95 |
| 92) Benzo(g,h,i)perylene | 27.091 | 276 | 1569320 | 58.795 | ng | | 97 |

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

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