Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010923\
Data File : BF131963.D
Acq On : 09 Jan 2023 15:05
Operator : CG\JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF010923

**Manual Integrations APPROVED**
Reviewed By :Christian Giraldo
01/10/2023
Supervised By :Jagrut Upadhyay
01/10/2023

Quant Time: Jan 10 00:35:05 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 10 00:32:25 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.787 | 152 | 92081 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.081 | 136 | 326733 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.839 | 164 | 194879 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.333 | 188 | 387917 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 13.986 | 240 | 242222 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.445 | 264 | 177654 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.392 | 112 | 440018 | 78.741 | ng | 0.00 |
| 7) Phenol-d6 | 6.428 | 99 | 584991 | 78.954 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.369 | 82 | 635392 | 80.711 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.639 | 330 | 188774 | 84.248 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.163 | 172 | 1170800 | 81.103 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.927 | 244 | 1397242 | 82.677 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.463 | 88 | 97582 | 39.982 | ng | 99 |
| 3) Pyridine | 3.193 | 79 | 280543 | 40.956 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.169 | 42 | 129466 | 40.216 | ng | 92 |
| 6) Aniline | 6.457 | 93 | 386557 | 39.653 | ng | 99 |
| 8) 2-Chlorophenol | 6.575 | 128 | 226694 | 40.433 | ng | 98 |
| 9) Benzaldehyde | 6.339 | 77 | 189169 | 38.371 | ng | 98 |
| 10) Phenol | 6.445 | 94 | 329615 | 39.879 | ng | 99 |
| 11) bis(2-Chloroethyl)ether | 6.534 | 93 | 249037 | 39.969 | ng | 98 |
| 12) 1,3-Dichlorobenzene | 6.728 | 146 | 250018 | 40.036 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 6.804 | 146 | 252501 | 39.961 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 6.957 | 146 | 236215 | 39.362 | ng | 97 |
| 15) Benzyl Alcohol | 6.939 | 79 | 258742 | 40.102 | ng | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.069 | 45 | 315209 | 40.087 | ng | 100 |
| 17) 2-Methylphenol | 7.051 | 107 | 221978 | 40.007 | ng | 97 |
| 18) Hexachloroethane | 7.298 | 117 | 103430 | 39.582 | ng | 96 |
| 19) n-Nitroso-di-n-propyla... | 7.216 | 70 | 213527 | 39.839 | ng | 98 |
| 20) 3+4-Methylphenols | 7.210 | 107 | 281223 | 39.479 | ng | 97 |
| 22) Acetophenone | 7.210 | 105 | 383291 | 40.291 | ng | 100 |
| 24) Nitrobenzene | 7.386 | 77 | 325051 | 40.558 | ng | 99 |
| 25) Isophorone | 7.622 | 82 | 600579 | 40.837 | ng | 98 |
| 26) 2-Nitrophenol | 7.698 | 139 | 130107 | 41.258 | ng | 98 |
| 27) 2,4-Dimethylphenol | 7.739 | 122 | 214480 | 40.747 | ng | 100 |
| 28) bis(2-Chloroethoxy)met... | 7.833 | 93 | 326990 | 40.173 | ng | 97 |
| 29) 2,4-Dichlorophenol | 7.945 | 162 | 219059 | 40.630 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.022 | 180 | 249424 | 40.394 | ng | 100 |
| 31) Naphthalene | 8.104 | 128 | 693689 | 40.174 | ng | 99 |
| 32) Benzoic acid | 7.892 | 122 | 126709 | 41.522 | ng | 96 |
| 33) 4-Chloroaniline | 8.157 | 127 | 291150 | 40.861 | ng | 97 |
| 34) Hexachlorobutadiene | 8.216 | 225 | 170451 | 39.815 | ng | 98 |
| 35) Caprolactam | 8.551 | 113 | 63554m | 40.136 | ng | |
| 36) 4-Chloro-3-methylphenol | 8.645 | 107 | 258785 | 40.896 | ng | 99 |
| 37) 2-Methylnaphthalene | 8.798 | 142 | 509689 | 41.100 | ng | 100 |
| 38) 1-Methylnaphthalene | 8.892 | 142 | 464913 | 40.464 | ng | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 8.963 | 216 | 281940 | 41.056 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 8.939 | 237 | 121984 | 40.042 | ng | 100 |
| 43) 2,4,6-Trichlorophenol | 9.075 | 196 | 170433 | 41.232 | ng | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.122 | 196 | 199062 | 41.366 | ng | 98 |
| 46) 1,1'-Biphenyl | 9.263 | 154 | 614955 | 40.884 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.286 | 162 | 485223 | 41.563 | ng | 100 |
| 48) 2-Nitroaniline | 9.392 | 65 | 174860 | 41.238 | ng | 96 |
| 49) Acenaphthylene | 9.704 | 152 | 739226 | 40.805 | ng | 100 |
| 50) Dimethylphthalate | 9.575 | 163 | 629528 | 41.442 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.639 | 165 | 131188 | 41.061 | ng | 98 |
| 52) Acenaphthene | 9.875 | 154 | 447226 | 41.126 | ng | 97 |
| 53) 3-Nitroaniline | 9.810 | 138 | 125713 | 40.557 | ng | 96 |
| 54) 2,4-Dinitrophenol | 9.916 | 184 | 69684 | 43.440 | ng | 94 |
| 55) Dibenzofuran | 10.051 | 168 | 696806 | 40.650 | ng | 99 |
| 56) 4-Nitrophenol | 9.975 | 139 | 75868 | 43.454 | ng | 98 |
| 57) 2,4-Dinitrotoluene | 10.045 | 165 | 177643 | 41.587 | ng | 99 |
| 58) Fluorene | 10.392 | 166 | 556164 | 40.616 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.169 | 232 | 153448 | 42.795 | ng | 94 |
| 60) Diethylphthalate | 10.269 | 149 | 613892 | 41.099 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.386 | 204 | 320235 | 40.852 | ng | 99 |
| 62) 4-Nitroaniline | 10.427 | 138 | 118941m | 42.674 | ng | |
| 63) Azobenzene | 10.545 | 77 | 648622 | 40.935 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.457 | 198 | 107461 | 42.957 | ng | 100 |
| 66) n-Nitrosodiphenylamine | 10.510 | 169 | 485377 | 39.882 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 10.874 | 248 | 193944 | 39.966 | ng | 99 |
| 68) Hexachlorobenzene | 10.939 | 284 | 194061 | 39.532 | ng | 97 |
| 69) Atrazine | 11.039 | 200 | 178649 | 40.366 | ng | 99 |
| 70) Pentachlorophenol | 11.139 | 266 | 96708 | 39.288 | ng | 99 |
| 71) Phenanthrene | 11.357 | 178 | 799420 | 39.532 | ng | 99 |
| 72) Anthracene | 11.410 | 178 | 835684 | 40.142 | ng | 100 |
| 73) Carbazole | 11.569 | 167 | 690003 | 40.035 | ng | 100 |
| 74) Di-n-butylphthalate | 11.898 | 149 | 979936 | 40.833 | ng | 99 |
| 75) Fluoranthene | 12.551 | 202 | 901823 | 39.653 | ng | 99 |
| 77) Benzidine | 12.674 | 184 | 300209 | 37.306 | ng | 99 |
| 78) Pyrene | 12.780 | 202 | 918464 | 41.574 | ng | 100 |
| 80) Butylbenzylphthalate | 13.398 | 149 | 375141 | 42.069 | ng | 98 |
| 81) Benzo(a)anthracene | 13.974 | 228 | 710326 | 40.308 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.939 | 252 | 213042 | 38.735 | ng | 98 |
| 83) Chrysene | 14.015 | 228 | 664428 | 40.344 | ng | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 13.957 | 149 | 498521 | 41.265 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.574 | 149 | 687228 | 41.570 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.909 | 276 | 455295 | 41.787 | ng | 100 |
| 88) Benzo(b)fluoranthene | 15.021 | 252 | 489784 | 40.196 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.051 | 252 | 503911 | 41.438 | ng | 99 |
| 90) Benzo(a)pyrene | 15.386 | 252 | 446520 | 40.672 | ng | 98 |
| 91) Dibenzo(a,h)anthracene | 16.921 | 278 | 383786 | 42.020 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.351 | 276 | 368001 | 38.390 | ng | 98 |

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

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