Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010423\
Data File : BF131901.D
Acq On : 04 Jan 2023 16:17
Operator : CG\JU
Sample : 01005-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PL-01-10323MSD

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 01/05/2023
Supervised By :Jagrut Upadhyay 01/05/2023

Quant Time: Jan 05 05:42:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 30 02:06:40 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.816 | 152 | 71344 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.104 | 136 | 253565 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.869 | 164 | 135856 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.363 | 188 | 221819 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.016 | 240 | 134129 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.492 | 264 | 160208 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.434 | 112 | 498518 | 115.799 | ng | | 0.01 |
| 7) Phenol-d6 | 6.457 | 99 | 655154 | 115.833 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.387 | 82 | 452493 | 71.248 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.663 | 330 | 160052 | 108.430 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.187 | 172 | 727876 | 73.386 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.951 | 244 | 510821 | 64.420 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.581 | 88 | 81671 | 40.910 | ng | | 97 |
| 3) Pyridine | 3.310 | 79 | 227855 | 40.599 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.287 | 42 | 116538 | 44.162 | ng | | 99 |
| 6) Aniline | 6.481 | 93 | 228099 | 33.253 | ng | | 99 |
| 8) 2-Chlorophenol | 6.598 | 128 | 206947 | 45.627 | ng | | 94 |
| 9) Benzaldehyde | 6.363 | 77 | 135674 | 37.384 | ng | | 99 |
| 10) Phenol | 6.469 | 94 | 292958 | 43.494 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 6.551 | 93 | 221034 | 45.890 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.751 | 146 | 231295 | 44.624 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.834 | 146 | 235545 | 45.093 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 6.987 | 146 | 223842 | 45.605 | ng | | 99 |
| 15) Benzyl Alcohol | 6.963 | 79 | 226614 | 45.689 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.093 | 45 | 278831 | 45.363 | ng | | 96 |
| 17) 2-Methylphenol | 7.081 | 107 | 185437 | 44.722 | ng | | 97 |
| 18) Hexachloroethane | 7.328 | 117 | 93358 | 44.260 | ng | | 92 |
| 19) n-Nitroso-di-n-propyla... | 7.234 | 70 | 177854 | 44.524 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.234 | 107 | 234161 | 43.281 | ng | | 99 |
| 22) Acetophenone | 7.234 | 105 | 340056 | 45.745 | ng | # | 97 |
| 24) Nitrobenzene | 7.404 | 77 | 278820 | 43.807 | ng | | 97 |
| 25) Isophorone | 7.645 | 82 | 488237 | 47.074 | ng | | 99 |
| 26) 2-Nitrophenol | 7.722 | 139 | 110056 | 44.473 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 7.763 | 122 | 187095 | 53.003 | ng | | 97 |
| 28) bis(2-Chloroethoxy)met... | 7.857 | 93 | 272057 | 48.895 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.969 | 162 | 185923 | 43.718 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.045 | 180 | 219623 | 43.556 | ng | | 99 |
| 31) Naphthalene | 8.128 | 128 | 592059 | 42.635 | ng | | 99 |
| 32) Benzoic acid | 7.904 | 122 | 112340 | 43.542 | ng | | 91 |
| 33) 4-Chloroaniline | 8.181 | 127 | 86753 | 16.282 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.240 | 225 | 147380 | 42.723 | ng | | 99 |
| 35) Caprolactam | 8.563 | 113 | 53247m | 42.288 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.675 | 107 | 209718 | 43.632 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.822 | 142 | 395947 | 42.484 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.922 | 142 | 362787 | 40.075 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.987 | 216 | 228175 | 47.833 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.969 | 237 | 182485 | 85.074 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 9.104 | 196 | 139212 | 45.566 | ng | | 98 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.145 | 196 | 145284 | 43.991 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.287 | 154 | 496959 | 47.779 | ng | | 100 |
| 47) 2-Chloronaphthalene | 9.316 | 162 | 392571 | 45.621 | ng | | 100 |
| 48) 2-Nitroaniline | 9.416 | 65 | 135950 | 43.103 | ng | | 97 |
| 49) Acenaphthylene | 9.734 | 152 | 580489 | 45.304 | ng | | 99 |
| 50) Dimethylphthalate | 9.592 | 163 | 471350 | 45.860 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.663 | 165 | 99628 | 44.778 | ng | | 90 |
| 52) Acenaphthene | 9.904 | 154 | 336777 | 43.550 | ng | | 100 |
| 53) 3-Nitroaniline | 9.828 | 138 | 60299 | 26.598 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 9.939 | 184 | 95535 | 74.614 | ng | | 98 |
| 55) Dibenzofuran | 10.075 | 168 | 524234 | 44.000 | ng | | 99 |
| 56) 4-Nitrophenol | 10.004 | 139 | 121212 | 76.325 | ng | | 93 |
| 57) 2,4-Dinitrotoluene | 10.069 | 165 | 130119 | 42.763 | ng | | 96 |
| 58) Fluorene | 10.422 | 166 | 403420 | 41.476 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.198 | 232 | 112784 | 41.615 | ng | # | 88 |
| 60) Diethylphthalate | 10.292 | 149 | 440010 | 44.481 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 10.410 | 204 | 224587 | 44.417 | ng | | 99 |
| 62) 4-Nitroaniline | 10.451 | 138 | 83065 | 35.157 | ng | | 96 |
| 63) Azobenzene | 10.575 | 77 | 466686 | 42.509 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.475 | 198 | 62781 | 41.569 | ng | | 86 |
| 66) n-Nitrosodiphenylamine | 10.534 | 169 | 343592 | 50.779 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 10.904 | 248 | 126964 | 49.385 | ng | | 97 |
| 68) Hexachlorobenzene | 10.969 | 284 | 133480 | 47.263 | ng | # | 89 |
| 69) Atrazine | 11.063 | 200 | 120316 | 54.011 | ng | | 97 |
| 70) Pentachlorophenol | 11.169 | 266 | 120270 | 86.063 | ng | | 98 |
| 71) Phenanthrene | 11.386 | 178 | 561957 | 46.069 | ng | | 99 |
| 72) Anthracene | 11.439 | 178 | 534077 | 44.757 | ng | | 99 |
| 73) Carbazole | 11.598 | 167 | 438079 | 41.586 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.922 | 149 | 578576 | 45.439 | ng | | 99 |
| 75) Fluoranthene | 12.580 | 202 | 553985 | 38.990 | ng | | 100 |
| 77) Benzidine | 12.704 | 184 | 182222 | 82.669 | ng | | 99 |
| 78) Pyrene | 12.810 | 202 | 543963 | 48.386 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.427 | 149 | 187811 | 45.040 | ng | | 93 |
| 81) Benzo(a)anthracene | 14.004 | 228 | 466503 | 48.038 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.969 | 252 | 115011 | 40.975 | ng | | 97 |
| 83) Chrysene | 14.045 | 228 | 440906 | 48.315 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 13.986 | 149 | 249744 | 49.190 | ng | # | 97 |
| 85) Di-n-octyl phthalate | 14.604 | 149 | 449727 | 65.800 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.980 | 276 | 508989 | 50.008 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.063 | 252 | 497913 | 42.386 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 15.092 | 252 | 469232 | 41.341 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.433 | 252 | 438615 | 48.228 | ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 16.998 | 278 | 425738 | 51.065 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.433 | 276 | 391397 | 40.600 | ng | | 96 |

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

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