Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101822\
Data File : BF130705.D
Acq On : 18 Oct 2022 18:52
Operator : CG\JU
Sample : N5172-01MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
BU-02-101722MS

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 10/19/2022
Supervised By :Jagrut Upadhyay 10/19/2022

Quant Time: Oct 19 02:40:34 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 18 03:15:54 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.575 | 152 | 58230 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.863 | 136 | 194208 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.610 | 164 | 91388 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.092 | 188 | 166763 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.745 | 240 | 140729 | 20.000 | ng | | 0.02 |
| 86) Perylene-d12 | 15.115 | 264 | 102988 | 20.000 | ng | | # 0.03 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.187 | 112 | 385148 | 119.225 | ng | | 0.02 |
| 7) Phenol-d6 | 6.234 | 99 | 429501 | 105.748 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.151 | 82 | 262502 | 73.788 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.404 | 330 | 113366 | 126.776 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 8.933 | 172 | 442312 | 73.313 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.686 | 244 | 588418 | 69.397 | ng | | 0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.169 | 88 | 64195 | 32.847 | ng | | 97 |
| 3) Pyridine | 2.834 | 79 | 158376 | 45.303 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 2.793 | 42 | 80839 | 49.078 | ng | | 93 |
| 6) Aniline | 6.239 | 93 | 162242 | 33.365 | ng | | 94 |
| 8) 2-Chlorophenol | 6.369 | 128 | 167324 | 44.044 | ng | | 94 |
| 9) Benzaldehyde | 6.128 | 77 | 79771 | 31.261 | ng | | 96 |
| 10) Phenol | 6.245 | 94 | 196977 | 41.915 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.322 | 93 | 161078 | 47.186 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.516 | 146 | 188649 | 45.353 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.592 | 146 | 192032 | 45.507 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.745 | 146 | 178396 | 45.393 | ng | | 97 |
| 15) Benzyl Alcohol | 6.734 | 79 | 131378 | 45.054 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 6.863 | 45 | 184132 | 41.926 | ng | # | 49 |
| 17) 2-Methylphenol | 6.857 | 107 | 126186 | 41.757 | ng | | 92 |
| 18) Hexachloroethane | 7.081 | 117 | 66296 | 41.528 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 7.004 | 70 | 110606 | 42.209 | ng | | 95 |
| 20) 3+4-Methylphenols | 7.016 | 107 | 162664 | 40.170 | ng | # | 79 |
| 22) Acetophenone | 6.998 | 105 | 235174 | 50.480 | ng | # | 93 |
| 24) Nitrobenzene | 7.169 | 77 | 157918 | 44.140 | ng | | 97 |
| 25) Isophorone | 7.410 | 82 | 277062 | 46.793 | ng | | 99 |
| 26) 2-Nitrophenol | 7.486 | 139 | 80814 | 46.061 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.539 | 122 | 130955 | 53.553 | ng | | 97 |
| 28) bis(2-Chloroethoxy)met... | 7.622 | 93 | 167212 | 48.773 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.739 | 162 | 116356 | 42.529 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 7.804 | 180 | 129575 | 43.931 | ng | | 97 |
| 31) Naphthalene | 7.886 | 128 | 1744844 | 173.563 | ng | | 99 |
| 32) Benzoic acid | 7.681 | 122 | 67165 | 43.416 | ng | | 95 |
| 33) 4-Chloroaniline | 7.945 | 127 | 103925 | 26.686 | ng | | 98 |
| 34) Hexachlorobutadiene | 7.998 | 225 | 85235 | 46.560 | ng | | 98 |
| 35) Caprolactam | 8.316 | 113 | 36446 | 44.276 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 8.439 | 107 | 113751 | 38.330 | ng | | 94 |
| 37) 2-Methylnaphthalene | 8.575 | 142 | 833518 | 131.752 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.675 | 142 | 683920 | 111.360 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 8.739 | 216 | 117010 | 47.192 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.722 | 237 | 5171 | 14.738 | ng | | 94 |
| 43) 2,4,6-Trichlorophenol | 8.863 | 196 | 72730 | 43.687 | ng | | 99 |

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Quant Time: Oct 19 02:40:34 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 18 03:15:54 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 8.910 | 196 | 78819 | 43.051 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.033 | 154 | 432691 | 65.331 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.057 | 162 | 235621 | 43.529 | ng | | 98 |
| 48) 2-Nitroaniline | 9.169 | 65 | 70603 | 43.329 | ng | | 92 |
| 49) Acenaphthylene | 9.475 | 152 | 584950 | 72.123 | ng | | 99 |
| 50) Dimethylphthalate | 9.339 | 163 | 273382 | 43.215 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 9.410 | 165 | 58360 | 42.056 | ng | | 95 |
| 52) Acenaphthene | 9.645 | 154 | 402321 | 81.875 | ng | | 99 |
| 53) 3-Nitroaniline | 9.580 | 138 | 53392 | 35.100 | ng | | 96 |
| 54) 2,4-Dinitrophenol | 9.716 | 184 | 10870 | 19.390 | ng | # | 19 |
| 55) Dibenzofuran | 9.816 | 168 | 820130 | 109.559 | ng | | 98 |
| 56) 4-Nitrophenol | 9.775 | 139 | 73800 | 87.992 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 9.822 | 165 | 82603 | 46.316 | ng | # | 89 |
| 58) Fluorene | 10.163 | 166 | 1129977 | 183.609 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 9.945 | 232 | 61316 | 42.008 | ng | # | 75 |
| 60) Diethylphthalate | 10.039 | 149 | 264560 | 41.915 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.151 | 204 | 119930 | 43.104 | ng | | 96 |
| 62) 4-Nitroaniline | 10.192 | 138 | 56750 | 39.076 | ng | | 96 |
| 63) Azobenzene | 10.310 | 77 | 236909 | 39.850 | ng | # | 72 |
| 65) 4,6-Dinitro-2-methylph... | 10.239 | 198 | 10836m | 10.398 | ng | | |
| 66) n-Nitrosodiphenylamine | 10.275 | 169 | 233659m | 42.122 | ng | | |
| 67) 4-Bromophenyl-phenylether | 10.639 | 248 | 80258 | 42.534 | ng | | 98 |
| 68) Hexachlorobenzene | 10.710 | 284 | 94309 | 44.214 | ng | | 96 |
| 69) Atrazine | 10.816 | 200 | 77227 | 51.126 | ng | | 97 |
| 70) Pentachlorophenol | 10.922 | 266 | 79930 | 96.282 | ng | | 97 |
| 71) Phenanthrene | 11.139 | 178 | 4877080 | 527.865 | ng | | 97 |
| 72) Anthracene | 11.180 | 178 | 1266607 | 140.368 | ng | | 99 |
| 73) Carbazole | 11.339 | 167 | 811518 | 100.788 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.663 | 149 | 465218 | 47.698 | ng | | 99 |
| 75) Fluoranthene | 12.333 | 202 | 4127814 | 464.851 | ng | | 96 |
| 77) Benzidine | 12.457 | 184 | 131413 | 36.944 | ng | | 97 |
| 78) Pyrene | 12.563 | 202 | 3826708 | 315.195 | ng | | 97 |
| 80) Butylbenzylphthalate | 13.163 | 149 | 231820 | 49.657 | ng | | 98 |
| 81) Benzo(a)anthracene | 13.733 | 228 | 1950854 | 205.732 | ng | | 96 |
| 82) 3,3'-Dichlorobenzidine | 13.698 | 252 | 112917 | 41.208 | ng | | 100 |
| 83) Chrysene | 13.774 | 228 | 1565067 | 174.077 | ng | | 97 |
| 84) Bis(2-ethylhexyl)phtha... | 13.721 | 149 | 330122 | 58.328 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.327 | 149 | 483283 | 55.756 | ng | | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 16.427 | 276 | 705846 | 91.570 | ng | | 96 |
| 88) Benzo(b)fluoranthene | 14.745 | 252 | 1422156 | 218.075 | ng | | 96 |
| 89) Benzo(k)fluoranthene | 14.768 | 252 | 656465m | 98.861 | ng | | |
| 90) Benzo(a)pyrene | 15.074 | 252 | 1094934 | 201.732 | ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 16.433 | 278 | 352386 | 55.771 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 16.821 | 276 | 660092 | 112.167 | ng | | 97 |

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

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