Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072822\
Data File : BF129414.D
Acq On : 28 Jul 2022 18:05
Operator : CG\JU
Sample : N3920-01MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 29 02:08:41 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 25 17:24:17 2022
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB-07-27-2022MSD

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo
07/29/2022
Supervised By :Jagrut Upadhyay
07/29/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.881 | 152 | 211249 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.169 | 136 | 856008 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.928 | 164 | 456824 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.416 | 188 | 771501 | 20.000 | ng | # | 0.00 |
| 76) Chrysene-d12 | 14.063 | 240 | 435298 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.551 | 264 | 398350 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.522 | 112 | 1380729 | 106.472 | ng | | 0.02 |
| 7) Phenol-d6 | 6.528 | 99 | 1807775 | 110.906 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.451 | 82 | 1166885 | 74.414 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.722 | 330 | 499745 | 113.785 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.245 | 172 | 2121551 | 71.842 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.004 | 244 | 2147395 | 93.068 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.757 | 88 | 231884 | 39.632 | ng | | 90 |
| 3) Pyridine | 3.528 | 79 | 605263 | 37.250 | ng | | 91 |
| 4) n-Nitrosodimethylamine | 3.481 | 42 | 321069 | 44.999 | ng | # | 96 |
| 6) Aniline | 6.551 | 93 | 801433 | 39.550 | ng | | 99 |
| 8) 2-Chlorophenol | 6.675 | 128 | 656791 | 46.358 | ng | | 96 |
| 9) Benzaldehyde | 6.440 | 77 | 315475 | 28.500 | ng | | 98 |
| 10) Phenol | 6.540 | 94 | 773037m | 44.535 | ng | | |
| 11) bis(2-Chloroethyl)ether | 6.622 | 93 | 623350 | 45.282 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 6.828 | 146 | 667757 | 43.946 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.904 | 146 | 678551 | 43.909 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.051 | 146 | 649753 | 45.743 | ng | | 97 |
| 15) Benzyl Alcohol | 7.034 | 79 | 560484 | 47.411 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.157 | 45 | 895448 | 43.274 | ng | | 89 |
| 17) 2-Methylphenol | 7.145 | 107 | 521224 | 44.346 | ng | | 95 |
| 18) Hexachloroethane | 7.392 | 117 | 264680 | 45.487 | ng | # | 88 |
| 19) n-Nitroso-di-n-propyla... | 7.298 | 70 | 438958 | 44.483 | ng | | 94 |
| 20) 3+4-Methylphenols | 7.292 | 107 | 622111 | 41.629 | ng | # | 80 |
| 22) Acetophenone | 7.298 | 105 | 855428 | 42.923 | ng | # | 94 |
| 24) Nitrobenzene | 7.469 | 77 | 680247 | 42.126 | ng | | 98 |
| 25) Isophorone | 7.710 | 82 | 1263079 | 44.936 | ng | | 98 |
| 26) 2-Nitrophenol | 7.787 | 139 | 351432 | 44.116 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 7.822 | 122 | 595192m | 49.810 | ng | | |
| 28) bis(2-Chloroethoxy)met... | 7.916 | 93 | 779652 | 47.815 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.028 | 162 | 536124 | 43.469 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.110 | 180 | 536768 | 42.047 | ng | | 98 |
| 31) Naphthalene | 8.192 | 128 | 1825735 | 41.980 | ng | | 99 |
| 32) Benzoic acid | 7.945 | 122 | 229627 | 26.582 | ng | | 93 |
| 33) 4-Chloroaniline | 8.239 | 127 | 592231 | 33.168 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.298 | 225 | 323151 | 44.532 | ng | | 98 |
| 35) Caprolactam | 8.628 | 113 | 174407m | 43.496 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.728 | 107 | 586646 | 44.847 | ng | | 95 |
| 37) 2-Methylnaphthalene | 8.881 | 142 | 1219957 | 43.165 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.981 | 142 | 1156008 | 42.371 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 9.045 | 216 | 523591 | 43.650 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 9.034 | 237 | 562856 | 105.377 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.163 | 196 | 368581 | 42.306 | ng | | 96 |

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|---|---|---|---|---|---|---|---|---|
| 44) | 2,4,5-Trichlorophenol | 9.210 | 196 | 396325 | 41.831 | ng | | 97 |
| 46) | 1,1'-Biphenyl | 9.345 | 154 | 1451135 | 43.527 | ng | | 99 |
| 47) | 2-Chloronaphthalene | 9.375 | 162 | 1154470 | 42.835 | ng | | 99 |
| 48) | 2-Nitroaniline | 9.475 | 65 | 379209 | 42.313 | ng | | 92 |
| 49) | Acenaphthylene | 9.792 | 152 | 1735025 | 42.367 | ng | | 100 |
| 50) | Dimethylphthalate | 9.651 | 163 | 1375138 | 43.605 | ng | | 99 |
| 51) | 2,6-Dinitrotoluene | 9.716 | 165 | 304215 | 43.100 | ng | | 96 |
| 52) | Acenaphthene | 9.963 | 154 | 1229841m | 45.979 | ng | | |
| 53) | 3-Nitroaniline | 9.886 | 138 | 263816 | 31.652 | ng | # | 97 |
| 54) | 2,4-Dinitrophenol | 9.998 | 184 | 279601 | 77.596 | ng | # | 87 |
| 55) | Dibenzofuran | 10.133 | 168 | 1582987 | 42.932 | ng | | 96 |
| 56) | 4-Nitrophenol | 10.063 | 139 | 470932 | 76.587 | ng | | 97 |
| 57) | 2,4-Dinitrotoluene | 10.122 | 165 | 401371 | 43.529 | ng | | 100 |
| 58) | Fluorene | 10.480 | 166 | 1249426 | 42.350 | ng | | 100 |
| 59) | 2,3,4,6-Tetrachlorophenol | 10.257 | 232 | 301469 | 41.175 | ng | | 92 |
| 60) | Diethylphthalate | 10.351 | 149 | 1329672 | 43.617 | ng | | 99 |
| 61) | 4-Chlorophenyl-phenyle... | 10.469 | 204 | 572286 | 44.000 | ng | | 92 |
| 62) | 4-Nitroaniline | 10.510 | 138 | 326729 | 39.516 | ng | | 95 |
| 63) | Azobenzene | 10.628 | 77 | 1310075 | 42.133 | ng | | 95 |
| 65) | 4,6-Dinitro-2-methylph... | 10.533 | 198 | 192451 | 39.522 | ng | | 88 |
| 66) | n-Nitrosodiphenylamine | 10.592 | 169 | 1102042 | 42.893 | ng | | 97 |
| 67) | 4-Bromophenyl-phenylether | 10.957 | 248 | 382227 | 45.244 | ng | | 91 |
| 68) | Hexachlorobenzene | 11.028 | 284 | 411204 | 44.922 | ng | | 97 |
| 69) | Atrazine | 11.122 | 200 | 371875 | 47.652 | ng | | 97 |
| 70) | Pentachlorophenol | 11.227 | 266 | 375601 | 75.478 | ng | | 99 |
| 71) | Phenanthrene | 11.445 | 178 | 1748264 | 41.512 | ng | | 99 |
| 72) | Anthracene | 11.498 | 178 | 1775268 | 42.895 | ng | | 100 |
| 73) | Carbazole | 11.651 | 167 | 1641769 | 42.141 | ng | | 100 |
| 74) | Di-n-butylphthalate | 11.975 | 149 | 2079066 | 44.812 | ng | | 99 |
| 75) | Fluoranthene | 12.633 | 202 | 1744201 | 40.875 | ng | | 98 |
| 77) | Benzidine | 12.757 | 184 | 737259 | 47.942 | ng | | 99 |
| 78) | Pyrene | 12.869 | 202 | 1739967 | 47.800 | ng | | 98 |
| 80) | Butylbenzylphthalate | 13.474 | 149 | 780435 | 49.430 | ng | | 97 |
| 81) | Benzo(a)anthracene | 14.051 | 228 | 1232381 | 41.445 | ng | | 100 |
| 82) | 3,3'-Dichlorobenzidine | 14.016 | 252 | 397391 | 40.477 | ng | | 97 |
| 83) | Chrysene | 14.092 | 228 | 1153038 | 41.144 | ng | | 99 |
| 84) | Bis(2-ethylhexyl)phtha... | 14.027 | 149 | 1031592 | 49.628 | ng | | 99 |
| 85) | Di-n-octyl phthalate | 14.639 | 149 | 1448210 | 48.415 | ng | | 97 |
| 87) | Indeno(1,2,3-cd)pyrene | 17.068 | 276 | 1268473 | 47.286 | ng | | 99 |
| 88) | Benzo(b)fluoranthene | 15.115 | 252 | 1109072 | 41.972 | ng | | 99 |
| 89) | Benzo(k)fluoranthene | 15.145 | 252 | 1059294 | 40.908 | ng | | 99 |
| 90) | Benzo(a)pyrene | 15.492 | 252 | 973559 | 45.387 | ng | | 99 |
| 91) | Dibenzo(a,h)anthracene | 17.086 | 278 | 1096077 | 50.202 | ng | | 100 |
| 92) | Benzo(g,h,i)perylene | 17.533 | 276 | 1122252 | 50.303 | ng | | 99 |

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

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