Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060523\
Data File : BF133578.D
Acq On : 05 Jun 2023 21:47
Operator : CG\JU
Sample : 02983-03MS
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SB19MS

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 06/06/2023
Supervised By :mohammad ahmed 06/08/2023

Quant Time: Jun 06 01:07:27 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 05 17:49:53 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.834 | 152 | 137934 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.116 | 136 | 513650 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.875 | 164 | 225648 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.357 | 188 | 386870 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.004 | 240 | 241070 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.457 | 264 | 198034 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.445 | 112 | 653561 | 79.055 | ng | | 0.01 |
| 7) Phenol-d6 | 6.463 | 99 | 787451 | 77.376 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.398 | 82 | 477288 | 62.042 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.663 | 330 | 189448 | 84.225 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.192 | 172 | 863432 | 59.059 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.945 | 244 | 828454 | 61.102 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.593 | 88 | 139119 | 37.261 | ng | | 100 |
| 3) Pyridine | 3.334 | 79 | 366603 | 35.019 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.287 | 42 | 229663 | 40.226 | ng | | 96 |
| 6) Aniline | 6.492 | 93 | 505855 | 36.609 | ng | | 99 |
| 8) 2-Chlorophenol | 6.616 | 128 | 381923 | 46.885 | ng | | 97 |
| 9) Benzaldehyde | 6.381 | 77 | 218536 | 44.000 | ng | | 97 |
| 10) Phenol | 6.475 | 94 | 448497m | 43.931 | ng | | |
| 11) bis(2-Chloroethyl)ether | 6.569 | 93 | 360082 | 42.659 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.775 | 146 | 396932 | 43.891 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.851 | 146 | 405542 | 44.729 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 7.004 | 146 | 387679 | 46.336 | ng | | 99 |
| 15) Benzyl Alcohol | 6.975 | 79 | 326307 | 42.233 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.110 | 45 | 669344 | 41.810 | ng | | 99 |
| 17) 2-Methylphenol | 7.087 | 107 | 310576 | 40.261 | ng | | 99 |
| 18) Hexachloroethane | 7.345 | 117 | 122415 | 39.046 | ng | | 93 |
| 19) n-Nitroso-di-n-propyla... | 7.251 | 70 | 262522 | 39.869 | ng | | 95 |
| 20) 3+4-Methylphenols | 7.239 | 107 | 374550 | 42.947 | ng | | 94 |
| 22) Acetophenone | 7.245 | 105 | 494556 | 41.809 | ng | # | 97 |
| 24) Nitrobenzene | 7.416 | 77 | 396125 | 48.326 | ng | | 99 |
| 25) Isophorone | 7.657 | 82 | 728016 | 40.605 | ng | | 99 |
| 26) 2-Nitrophenol | 7.734 | 139 | 171244 | 45.829 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 7.769 | 122 | 332304 | 43.560 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.869 | 93 | 438546 | 42.182 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.975 | 162 | 304842 | 44.416 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 8.057 | 180 | 315754 | 42.533 | ng | | 99 |
| 31) Naphthalene | 8.139 | 128 | 1021679 | 41.027 | ng | | 100 |
| 32) Benzoic acid | 7.875 | 122 | 199656m | 40.999 | ng | | |
| 33) 4-Chloroaniline | 8.186 | 127 | 305533 | 28.626 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.257 | 225 | 193492 | 42.849 | ng | | 99 |
| 35) Caprolactam | 8.563 | 113 | 105224 | 46.748 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 8.663 | 107 | 326111 | 42.417 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.833 | 142 | 660274 | 38.834 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.928 | 142 | 623992 | 39.370 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 8.998 | 216 | 309540 | 46.283 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.981 | 237 | 101794 | 29.701 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 9.104 | 196 | 204285 | 47.736 | ng | | 97 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.145 | 196 | 214368 | 43.157 | ng | | 95 |
| 46) 1,1'-Biphenyl | 9.298 | 154 | 823972 | 44.945 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.322 | 162 | 597142 | 44.944 | ng | | 99 |
| 48) 2-Nitroaniline | 9.416 | 65 | 210205 | 49.171 | ng | | 93 |
| 49) Acenaphthylene | 9.733 | 152 | 961727 | 42.416 | ng | | 99 |
| 50) Dimethylphthalate | 9.598 | 163 | 734529 | 46.315 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.657 | 165 | 143935 | 47.754 | ng | | 92 |
| 52) Acenaphthene | 9.910 | 154 | 565428 | 41.168 | ng | | 98 |
| 53) 3-Nitroaniline | 9.828 | 138 | 179960 | 47.631 | ng | # | 91 |
| 54) 2,4-Dinitrophenol | 9.928 | 184 | 23078 | 24.802 | ng | | 94 |
| 55) Dibenzofuran | 10.080 | 168 | 850731 | 41.633 | ng | | 98 |
| 56) 4-Nitrophenol | 9.980 | 139 | 238407 | 87.864 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 10.057 | 165 | 174793 | 46.833 | ng | | 88 |
| 58) Fluorene | 10.422 | 166 | 607159 | 40.555 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.192 | 232 | 169267 | 45.247 | ng | | 97 |
| 60) Diethylphthalate | 10.298 | 149 | 727971 | 44.217 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.416 | 204 | 304973 | 42.425 | ng | | 97 |
| 62) 4-Nitroaniline | 10.439 | 138 | 162098 | 42.893 | ng | | 99 |
| 63) Azobenzene | 10.575 | 77 | 678007 | 41.141 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.463 | 198 | 18261 | 18.159 | ng | | 87 |
| 66) n-Nitrosodiphenylamine | 10.533 | 169 | 571835 | 45.529 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.904 | 248 | 187335 | 45.596 | ng | | 95 |
| 68) Hexachlorobenzene | 10.969 | 284 | 201134 | 46.814 | ng | | 95 |
| 69) Atrazine | 11.063 | 200 | 179533 | 52.097 | ng | | 98 |
| 70) Pentachlorophenol | 11.163 | 266 | 207062 | 80.600 | ng | | 99 |
| 71) Phenanthrene | 11.386 | 178 | 836418 | 42.686 | ng | | 100 |
| 72) Anthracene | 11.439 | 178 | 858676 | 42.579 | ng | | 100 |
| 73) Carbazole | 11.592 | 167 | 817969 | 42.889 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.927 | 149 | 1035639 | 45.922 | ng | | 99 |
| 75) Fluoranthene | 12.574 | 202 | 916713 | 42.355 | ng | | 99 |
| 77) Benzidine | 12.704 | 184 | 764113 | 108.374 | ng | | 98 |
| 78) Pyrene | 12.804 | 202 | 933226 | 45.492 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.427 | 149 | 417306 | 51.414 | ng | | 98 |
| 81) Benzo(a)anthracene | 13.992 | 228 | 695123 | 43.285 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.957 | 252 | 286600 | 57.089 | ng | | 99 |
| 83) Chrysene | 14.033 | 228 | 670780 | 41.375 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.986 | 149 | 539521 | 53.179 | ng | | 98 |
| 85) Di-n-octyl phthalate | 14.604 | 149 | 907922 | 53.721 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 16.909 | 276 | 557809 | 44.220 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.039 | 252 | 573530 | 44.475 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.068 | 252 | 541530 | 43.068 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.398 | 252 | 467761 | 39.864 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.933 | 278 | 459924 | 44.969 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.356 | 276 | 443325 | 42.988 | ng | | 98 |

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

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