Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102924\
Data File : BF140105.D
Acq On : 29 Oct 2024 12:02
Operator : RC/JU
Sample : P4561-05MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 29 12:37:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
BP-F-18MS

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.887 | 152 | 119078 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.169 | 136 | 468695 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.928 | 164 | 258838 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.416 | 188 | 443678 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.051 | 240 | 213800 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.527 | 264 | 269959 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.510 | 112 | 663296 | 87.202 | ng | | 0.01 |
| 7) Phenol-d6 | 6.516 | 99 | 889612 | 90.302 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.451 | 82 | 564781 | 66.786 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.716 | 330 | 252807 | 104.419 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.245 | 172 | 1028299 | 65.658 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.992 | 244 | 869424 | 66.263 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.752 | 88 | 135326 | 38.158 | ng | | 98 |
| 3) Pyridine | 3.510 | 79 | 350246 | 39.843 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.463 | 42 | 196737 | 41.655 | ng | # | 98 |
| 6) Aniline | 6.551 | 93 | 287445 | 31.307 | ng | | 99 |
| 8) 2-Chlorophenol | 6.675 | 128 | 367128 | 47.212 | ng | | 98 |
| 9) Benzaldehyde | 6.440 | 77 | 68731 | 12.402 | ng | | 98 |
| 10) Phenol | 6.528 | 94 | 475437m | 46.811 | ng | | |
| 11) bis(2-Chloroethyl)ether | 6.622 | 93 | 364756 | 46.464 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.834 | 146 | 397732 | 44.557 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.910 | 146 | 401159 | 44.983 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.057 | 146 | 386184 | 46.399 | ng | | 98 |
| 15) Benzyl Alcohol | 7.028 | 79 | 344664 | 47.694 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163 | 45 | 607117 | 45.356 | ng | | 98 |
| 17) 2-Methylphenol | 7.140 | 107 | 307900 | 46.436 | ng | | 98 |
| 18) Hexachloroethane | 7.404 | 117 | 148095 | 46.569 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 7.298 | 70 | 276260 | 46.236 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.287 | 107 | 381132 | 44.939 | ng | # | 90 |
| 22) Acetophenone | 7.298 | 105 | 506664 | 44.135 | ng | | 99 |
| 24) Nitrobenzene | 7.469 | 77 | 414883 | 44.747 | ng | | 100 |
| 25) Isophorone | 7.710 | 82 | 741496 | 46.197 | ng | | 99 |
| 26) 2-Nitrophenol | 7.787 | 139 | 192444 | 55.018 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.816 | 122 | 306717 | 52.588 | ng | | 97 |
| 28) bis(2-Chloroethoxy)met... | 7.916 | 93 | 441117 | 45.361 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.028 | 162 | 306470 | 46.132 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.110 | 180 | 322636 | 43.891 | ng | | 99 |
| 31) Naphthalene | 8.192 | 128 | 1073825 | 44.423 | ng | | 100 |
| 32) Benzoic acid | 7.934 | 122 | 236255 | 46.443 | ng | | 99 |
| 33) 4-Chloroaniline | 8.239 | 127 | 98478 | 11.948 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.310 | 225 | 209194 | 45.293 | ng | | 99 |
| 35) Caprolactam | 8.610 | 113 | 100372m | 47.517 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.716 | 107 | 345453 | 46.962 | ng | | 100 |
| 37) 2-Methylnaphthalene | 8.886 | 142 | 681541 | 46.037 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.981 | 142 | 635082 | 43.725 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.051 | 216 | 325431 | 46.603 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 9.039 | 237 | 407976 | 167.908 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.157 | 196 | 233871 | 47.305 | ng | | 100 |

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| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 44) | 2,4,5-Trichlorophenol | 9.204 | 196 | 238739 | 46.804 | ng | | 98 |
| 46) | 1,1'-Biphenyl | 9.345 | 154 | 821944 | 45.616 | ng | | 100 |
| 47) | 2-Chloronaphthalene | 9.375 | 162 | 655768 | 45.186 | ng | | 99 |
| 48) | 2-Nitroaniline | 9.469 | 65 | 227765 | 51.314 | ng | | 95 |
| 49) | Acenaphthylene | 9.792 | 152 | 1023418 | 48.778 | ng | | 100 |
| 50) | Dimethylphthalate | 9.651 | 163 | 775588 | 48.106 | ng | | 100 |
| 51) | 2,6-Dinitrotoluene | 9.710 | 165 | 169010 | 48.415 | ng | | 98 |
| 52) | Acenaphthene | 9.963 | 154 | 717149 | 52.838 | ng | | 99 |
| 53) | 3-Nitroaniline | 9.875 | 138 | 93290 | 25.915 | ng | | 100 |
| 54) | 2,4-Dinitrophenol | 9.986 | 184 | 201945 | 134.403 | ng | # | 1 |
| 55) | Dibenzofuran | 10.133 | 168 | 904160 | 46.431 | ng | | 100 |
| 56) | 4-Nitrophenol | 10.033 | 139 | 272837 | 98.511 | ng | | 95 |
| 57) | 2,4-Dinitrotoluene | 10.116 | 165 | 227892 | 53.087 | ng | | 98 |
| 58) | Fluorene | 10.475 | 166 | 681871 | 45.973 | ng | | 99 |
| 59) | 2,3,4,6-Tetrachlorophenol | 10.251 | 232 | 194795m | 48.715 | ng | | |
| 60) | Diethylphthalate | 10.345 | 149 | 750506 | 47.411 | ng | | 99 |
| 61) | 4-Chlorophenyl-phenyle... | 10.469 | 204 | 348259 | 46.495 | ng | | 99 |
| 62) | 4-Nitroaniline | 10.492 | 138 | 163027 | 47.949 | ng | | 97 |
| 63) | Azobenzene | 10.628 | 77 | 893808 | 53.259 | ng | | 95 |
| 65) | 4,6-Dinitro-2-methylph... | 10.522 | 198 | 131332 | 72.569 | ng | | 93 |
| 66) | n-Nitrosodiphenylamine | 10.586 | 169 | 632125 | 47.603 | ng | | 100 |
| 67) | 4-Bromophenyl-phenylether | 10.957 | 248 | 221899 | 48.548 | ng | | 97 |
| 68) | Hexachlorobenzene | 11.022 | 284 | 242705 | 47.214 | ng | | 99 |
| 69) | Atrazine | 11.110 | 200 | 200780 | 55.817 | ng | | 99 |
| 70) | Pentachlorophenol | 11.216 | 266 | 289848 | 92.905 | ng | | 99 |
| 71) | Phenanthrene | 11.439 | 178 | 973007 | 46.428 | ng | | 100 |
| 72) | Anthracene | 11.492 | 178 | 987770 | 48.307 | ng | | 100 |
| 73) | Carbazole | 11.645 | 167 | 822131 | 43.231 | ng | | 99 |
| 74) | Di-n-butylphthalate | 11.969 | 149 | 1066878 | 48.558 | ng | | 100 |
| 75) | Fluoranthene | 12.627 | 202 | 852694 | 40.247 | ng | | 100 |
| 77) | Benzidine | 12.745 | 184 | 177069 | 50.367 | ng | | 99 |
| 78) | Pyrene | 12.857 | 202 | 842496 | 45.018 | ng | | 99 |
| 80) | Butylbenzylphthalate | 13.469 | 149 | 318277 | 56.727 | ng | | 100 |
| 81) | Benzo(a)anthracene | 14.039 | 228 | 646882 | 46.479 | ng | | 99 |
| 82) | 3,3'-Dichlorobenzidine | 14.004 | 252 | 121036 | 29.827 | ng | | 97 |
| 83) | Chrysene | 14.080 | 228 | 628880 | 49.282 | ng | | 100 |
| 84) | Bis(2-ethylhexyl)phtha... | 14.027 | 149 | 397598 | 63.162 | ng | | 100 |
| 85) | Di-n-octyl phthalate | 14.639 | 149 | 654252 | 57.142 | ng | | 97 |
| 87) | Indeno(1,2,3-cd)pyrene | 17.027 | 276 | 740606 | 42.644 | ng | | 98 |
| 88) | Benzo(b)fluoranthene | 15.098 | 252 | 726493 | 44.178 | ng | | 99 |
| 89) | Benzo(k)fluoranthene | 15.127 | 252 | 663067 | 46.753 | ng | | 99 |
| 90) | Benzo(a)pyrene | 15.468 | 252 | 681796 | 50.387 | ng | | 100 |
| 91) | Dibenzo(a,h)anthracene | 17.045 | 278 | 619598 | 42.766 | ng | | 99 |
| 92) | Benzo(g,h,i)perylene | 17.480 | 276 | 514347 | 35.542 | ng | | 99 |

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

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