Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052324\
Data File : BF138029.D
Acq On : 23 May 2024 16:00
Operator : CG\JU
Sample : P2556-02MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
COMP-1MSD

Quant Time: May 23 16:25:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 15 04:12:16 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.033 | 152 | 144436 | 20.000 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.322 | 136 | 566520 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 10.086 | 164 | 314179 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.580 | 188 | 507545 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.233 | 240 | 260493 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.792 | 264 | 296156 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.681 | 112 | 1056247 | 124.220 | ng | | 0.02 |
| 7) Phenol-d6 | 6.663 | 99 | 1252852 | 119.611 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.598 | 82 | 850716 | 88.373 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.880 | 330 | 464221 | 146.541 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.398 | 172 | 1835562 | 89.996 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.162 | 244 | 1649744 | 93.338 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.169 | 88 | 136053 | 36.935 | ng | # | 86 |
| 3) Pyridine | 3.845 | 79 | 313600 | 37.942 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.793 | 42 | 165396 | 45.361 | ng | | 98 |
| 6) Aniline | 6.698 | 93 | 187992m | 20.066 | ng | | |
| 8) 2-Chlorophenol | 6.822 | 128 | 437647 | 47.560 | ng | | 99 |
| 9) Benzaldehyde | 6.592 | 77 | 55697 | 9.828 | ng | | 99 |
| 10) Phenol | 6.675 | 94 | 457303 | 43.254 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 6.769 | 93 | 379770 | 46.783 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.981 | 146 | 439712 | 41.300 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.051 | 146 | 450549 | 42.160 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.204 | 146 | 434335 | 43.183 | ng | | 99 |
| 15) Benzyl Alcohol | 7.175 | 79 | 367527 | 52.547 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.298 | 45 | 462487 | 46.349 | ng | | 98 |
| 17) 2-Methylphenol | 7.281 | 107 | 346581 | 47.228 | ng | | 99 |
| 18) Hexachloroethane | 7.545 | 117 | 154909 | 42.836 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 7.445 | 70 | 288572 | 49.037 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.428 | 107 | 441396 | 45.912 | ng | | 94 |
| 22) Acetophenone | 7.445 | 105 | 588955 | 46.407 | ng | # | 99 |
| 24) Nitrobenzene | 7.616 | 77 | 441898 | 45.250 | ng | | 96 |
| 25) Isophorone | 7.857 | 82 | 800920 | 47.938 | ng | | 96 |
| 26) 2-Nitrophenol | 7.933 | 139 | 239171 | 48.741 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.957 | 122 | 326762 | 51.723 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 8.057 | 93 | 484240 | 47.822 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.169 | 162 | 390527 | 49.158 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.257 | 180 | 393288 | 44.339 | ng | | 99 |
| 31) Naphthalene | 8.339 | 128 | 1268064 | 44.517 | ng | | 99 |
| 32) Benzoic acid | 8.098 | 122 | 315564 | 59.090 | ng | | 95 |
| 33) 4-Chloroaniline | 8.380 | 127 | 67862 | 7.267 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.451 | 225 | 239291 | 42.621 | ng | | 100 |
| 35) Caprolactam | 8.775 | 113 | 114304m | 49.663 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.869 | 107 | 397654 | 49.205 | ng | | 99 |
| 37) 2-Methylnaphthalene | 9.033 | 142 | 872621 | 47.658 | ng | | 99 |
| 38) 1-Methylnaphthalene | 9.133 | 142 | 801859 | 44.546 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.198 | 216 | 414457 | 48.523 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 9.186 | 237 | 359329 | 110.716 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.310 | 196 | 289067 | 51.616 | ng | | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.357 | 196 | 300784 | 49.086 | ng | | 97 |
| 46) 1,1'-Biphenyl | 9.498 | 154 | 1063137 | 48.245 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.527 | 162 | 827292 | 47.030 | ng | | 98 |
| 48) 2-Nitroaniline | 9.622 | 65 | 223057 | 49.518 | ng | | 99 |
| 49) Acenaphthylene | 9.951 | 152 | 1307344 | 51.688 | ng | | 100 |
| 50) Dimethylphthalate | 9.798 | 163 | 1005503 | 51.037 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.863 | 165 | 220530 | 48.771 | ng | | 98 |
| 52) Acenaphthene | 10.122 | 154 | 853966 | 51.083 | ng | | 99 |
| 53) 3-Nitroaniline | 10.033 | 138 | 92117 | 20.839 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 10.139 | 184 | 194922 | 79.811 | ng | # | 86 |
| 55) Dibenzofuran | 10.292 | 168 | 1183446 | 48.643 | ng | | 100 |
| 56) 4-Nitrophenol | 10.192 | 139 | 308377 | 97.128 | ng | | 96 |
| 57) 2,4-Dinitrotoluene | 10.269 | 165 | 297145 | 50.832 | ng | # | 88 |
| 58) Fluorene | 10.639 | 166 | 927082 | 48.176 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.410 | 232 | 250008 | 51.935 | ng | | 98 |
| 60) Diethylphthalate | 10.504 | 149 | 938890 | 51.027 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.621 | 204 | 463901 | 48.883 | ng | | 99 |
| 62) 4-Nitroaniline | 10.657 | 138 | 198145 | 47.259 | ng | | 98 |
| 63) Azobenzene | 10.786 | 77 | 832104 | 49.718 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.680 | 198 | 141980 | 48.448 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 10.745 | 169 | 807656 | 51.890 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 11.116 | 248 | 290228 | 52.160 | ng | | 97 |
| 68) Hexachlorobenzene | 11.186 | 284 | 298788 | 48.579 | ng | | 99 |
| 69) Atrazine | 11.274 | 200 | 257667 | 60.624 | ng | | 99 |
| 70) Pentachlorophenol | 11.380 | 266 | 355238 | 98.601 | ng | | 99 |
| 71) Phenanthrene | 11.604 | 178 | 1234626 | 49.363 | ng | | 99 |
| 72) Anthracene | 11.657 | 178 | 1256934 | 50.650 | ng | | 99 |
| 73) Carbazole | 11.810 | 167 | 1059052 | 46.718 | ng | | 99 |
| 74) Di-n-butylphthalate | 12.127 | 149 | 1340078 | 53.267 | ng | | 99 |
| 75) Fluoranthene | 12.798 | 202 | 1082565 | 42.642 | ng | | 98 |
| 77) Benzidine | 12.915 | 184 | 40253 | 11.824 | ng | # | 95 |
| 78) Pyrene | 13.033 | 202 | 1073247 | 47.106 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.633 | 149 | 409791 | 59.630 | ng | | 99 |
| 81) Benzo(a)anthracene | 14.221 | 228 | 824074 | 50.003 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 14.174 | 252 | 160512 | 35.144 | ng | | 96 |
| 83) Chrysene | 14.257 | 228 | 769706 | 48.835 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.186 | 149 | 513242 | 59.411 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.815 | 149 | 830809 | 71.189 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 17.421 | 276 | 726910 | 38.204 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.321 | 252 | 841879 | 49.096 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.356 | 252 | 807540 | 47.937 | ng | | 100 |
| 90) Benzo(a)pyrene | 15.727 | 252 | 763689 | 52.156 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.445 | 278 | 596919 | 37.971 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.921 | 276 | 501440 | 30.364 | ng | | 99 |

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

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