Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
Data File : BF139914.D
Acq On : 21 Oct 2024 20:32
Operator : RC/JU
Sample : P4419-01MSD
Misc :
ALS Vial : 24 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024

Quant Time: Oct 22 01:20:36 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

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.893 | 152 | 130734 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.175 | 136 | 435954 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.933 | 164 | 207044 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.416 | 188 | 353526 | 20.000 | ng | # | 0.00 |
| 76) Chrysene-d12 | 14.057 | 240 | 219663 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.539 | 264 | 191968 | 20.000 | ng | | 0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.516 | 112 | 864546 | 103.526 | ng | | 0.02 |
| 7) Phenol-d6 | 6.510 | 99 | 1068913 | 98.828 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.451 | 82 | 637237 | 81.013 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.722 | 330 | 223502 | 115.408 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.251 | 172 | 899868 | 71.831 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.004 | 244 | 826375 | 61.301 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.746 | 88 | 188299 | 48.361 | ng | | 97 |
| 3) Pyridine | 3.499 | 79 | 477302 | 49.455 | ng | | 100 |
| 4) n-Nitrosodimethylamine | 3.452 | 42 | 273365 | 52.719 | ng | | 100 |
| 6) Aniline | 6.551 | 93 | 361812 | 35.893 | ng | | 99 |
| 8) 2-Chlorophenol | 6.675 | 128 | 442375 | 51.817 | ng | | 99 |
| 9) Benzaldehyde | 6.440 | 77 | 110558 | 18.170 | ng | | 98 |
| 10) Phenol | 6.528 | 94 | 581563m | 52.155 | ng | | |
| 11) bis(2-Chloroethyl)ether | 6.628 | 93 | 453156 | 52.579 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 6.834 | 146 | 479386 | 48.917 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.910 | 146 | 482780 | 49.309 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.063 | 146 | 456437 | 49.950 | ng | | 99 |
| 15) Benzyl Alcohol | 7.028 | 79 | 405071 | 51.056 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163 | 45 | 731039 | 49.744 | ng | | 99 |
| 17) 2-Methylphenol | 7.140 | 107 | 357583 | 49.120 | ng | | 100 |
| 18) Hexachloroethane | 7.404 | 117 | 147194 | 42.159 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.304 | 70 | 319944 | 48.773 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.292 | 107 | 445899 | 47.888 | ng | # | 84 |
| 22) Acetophenone | 7.298 | 105 | 589724 | 55.228 | ng | | 99 |
| 24) Nitrobenzene | 7.475 | 77 | 462958 | 53.682 | ng | | 99 |
| 25) Isophorone | 7.710 | 82 | 822101 | 55.066 | ng | | 99 |
| 26) 2-Nitrophenol | 7.787 | 139 | 189017 | 58.097 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.822 | 122 | 340338 | 62.735 | ng | | 100 |
| 28) bis(2-Chloroethoxy)met... | 7.922 | 93 | 491123 | 54.296 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.028 | 162 | 325630 | 52.698 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.116 | 180 | 345488 | 50.529 | ng | | 99 |
| 31) Naphthalene | 8.198 | 128 | 1152723 | 51.269 | ng | | 100 |
| 32) Benzoic acid | 7.922 | 122 | 234230 | 49.503 | ng | | 96 |
| 33) 4-Chloroaniline | 8.239 | 127 | 169402 | 22.096 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.316 | 225 | 226524 | 52.729 | ng | | 100 |
| 35) Caprolactam | 8.598 | 113 | 116327 | 59.206 | ng | # | 84 |
| 36) 4-Chloro-3-methylphenol | 8.716 | 107 | 332636 | 48.616 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.886 | 142 | 679816 | 49.369 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.986 | 142 | 628892 | 46.550 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.051 | 216 | 317228 | 56.793 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 9.039 | 237 | 105930 | 54.503 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.163 | 196 | 219318 | 55.458 | ng | | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.204 | 196 | 213935 | 52.434 | ng | | 96 |
| 46) 1,1'-Biphenyl | 9.351 | 154 | 780261 | 54.135 | ng | | 100 |
| 47) 2-Chloronaphthalene | 9.375 | 162 | 604418 | 52.066 | ng | | 99 |
| 48) 2-Nitroaniline | 9.469 | 65 | 214962 | 60.545 | ng | | 94 |
| 49) Acenaphthylene | 9.792 | 152 | 913331 | 54.421 | ng | | 99 |
| 50) Dimethylphthalate | 9.651 | 163 | 699542 | 54.244 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.710 | 165 | 137647 | 49.295 | ng | | 98 |
| 52) Acenaphthene | 9.969 | 154 | 565907 | 52.126 | ng | | 99 |
| 53) 3-Nitroaniline | 9.875 | 138 | 142625 | 49.530 | ng | | 100 |
| 54) 2,4-Dinitrophenol | 9.981 | 184 | 35986 | 35.015 | ng | | 81 |
| 55) Dibenzofuran | 10.139 | 168 | 806946 | 51.805 | ng | | 99 |
| 56) 4-Nitrophenol | 10.028 | 139 | 258658 | 116.755 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 10.110 | 165 | 175165 | 51.012 | ng | # | 99 |
| 58) Fluorene | 10.481 | 166 | 620230 | 52.278 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.251 | 232 | 171768 | 53.702 | ng | # | 97 |
| 60) Diethylphthalate | 10.351 | 149 | 670868 | 52.981 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.475 | 204 | 303779 | 50.703 | ng | | 100 |
| 62) 4-Nitroaniline | 10.486 | 138 | 143901 | 52.912 | ng | | 99 |
| 63) Azobenzene | 10.633 | 77 | 716946 | 53.408 | ng | | 93 |
| 65) 4,6-Dinitro-2-methylph... | 10.522 | 198 | 27186 | 18.853 | ng | # | 64 |
| 66) n-Nitrosodiphenylamine | 10.586 | 169 | 614128 | 58.041 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 10.963 | 248 | 194148 | 53.308 | ng | | 99 |
| 68) Hexachlorobenzene | 11.028 | 284 | 211775 | 51.703 | ng | | 99 |
| 69) Atrazine | 11.116 | 200 | 186610 | 65.107 | ng | | 99 |
| 70) Pentachlorophenol | 11.222 | 266 | 276377 | 111.178 | ng | | 99 |
| 71) Phenanthrene | 11.445 | 178 | 974332 | 58.346 | ng | | 99 |
| 72) Anthracene | 11.498 | 178 | 999042 | 61.317 | ng | | 99 |
| 73) Carbazole | 11.651 | 167 | 850430 | 56.123 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.980 | 149 | 1026526 | 58.636 | ng | | 100 |
| 75) Fluoranthene | 12.633 | 202 | 1064175 | 63.038 | ng | | 99 |
| 77) Benzidine | 12.751 | 184 | 432650 | 119.781 | ng | | 99 |
| 78) Pyrene | 12.863 | 202 | 1081259 | 56.234 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.474 | 149 | 418659 | 72.627 | ng | | 97 |
| 81) Benzo(a)anthracene | 14.051 | 228 | 842341 | 58.908 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.010 | 252 | 247304 | 59.317 | ng | | 100 |
| 83) Chrysene | 14.086 | 228 | 719453 | 54.875 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.039 | 149 | 526835 | 81.459 | ng | # | 98 |
| 85) Di-n-octyl phthalate | 14.651 | 149 | 802185 | 68.192 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 17.033 | 276 | 582408 | 47.159 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 15.104 | 252 | 641069 | 54.821 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.133 | 252 | 622871 | 61.762 | ng | | 100 |
| 90) Benzo(a)pyrene | 15.474 | 252 | 589245 | 61.239 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.057 | 278 | 474682 | 46.075 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.486 | 276 | 418831 | 40.699 | ng | | 98 |

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

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