Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122123\
Data File : BF136669.D
Acq On : 21 Dec 2023 14:18
Operator : CG\JU
Sample : 05602-05MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SPRING-VALLEY-TP-3MSD

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 12/22/2023
Supervised By :mohammad ahmed 12/22/2023

Quant Time: Dec 21 15:00:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.781 | 152 | 72656 | 20.000 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.063 | 136 | 255830 | 20.000 | ng | | # 0.00 |
| 39) Acenaphthene-d10 | 9.816 | 164 | 103081 | 20.000 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 11.304 | 188 | 177016 | 20.000 | ng | | -0.01 |
| 76) Chrysene-d12 | 13.963 | 240 | 145976 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.439 | 264 | 122263 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.428 | 112 | 450360 | 96.715 | ng | | 0.00 |
| 7) Phenol-d6 | 6.434 | 99 | 552575 | 91.580 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.345 | 82 | 341224 | 68.252 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.610 | 330 | 106874 | 88.034 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 9.139 | 172 | 580862 | 75.790 | ng | | -0.01 |
| 79) Terphenyl-d14 | 12.904 | 244 | 548074 | 52.469 | ng | | -0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.575 | 88 | 74360 | 38.326 | ng | | 99 |
| 3) Pyridine | 3.334 | 79 | 179992 | 38.022 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.305 | 42 | 116094 | 45.923 | ng | | 98 |
| 6) Aniline | 6.457 | 93 | 143699 | 23.820 | ng | # | 84 |
| 8) 2-Chlorophenol | 6.575 | 128 | 227714 | 44.686 | ng | | 95 |
| 9) Benzaldehyde | 6.334 | 77 | 87165 | 25.398 | ng | | 99 |
| 10) Phenol | 6.445 | 94 | 277554 | 43.091 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 6.522 | 93 | 279681 | 57.096 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.722 | 146 | 233748 | 42.048 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.798 | 146 | 239964 | 42.247 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.951 | 146 | 221639 | 41.934 | ng | | 99 |
| 15) Benzyl Alcohol | 6.934 | 79 | 181184 | 44.510 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.063 | 45 | 351909 | 43.942 | ng | | 99 |
| 17) 2-Methylphenol | 7.045 | 107 | 185357 | 43.907 | ng | | 99 |
| 18) Hexachloroethane | 7.287 | 117 | 84407 | 40.918 | ng | | 100 |
| 19) n-Nitroso-di-n-propyla... | 7.198 | 70 | 155368 | 42.477 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.198 | 107 | 218957 | 41.516 | ng | # | 82 |
| 22) Acetophenone | 7.192 | 105 | 311204 | 48.532 | ng | # | 94 |
| 24) Nitrobenzene | 7.369 | 77 | 230743 | 46.073 | ng | | 93 |
| 25) Isophorone | 7.604 | 82 | 411783 | 45.265 | ng | | 99 |
| 26) 2-Nitrophenol | 7.681 | 139 | 114530 | 47.798 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 7.722 | 122 | 164319 | 56.328 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.816 | 93 | 257434 | 46.555 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.928 | 162 | 166248 | 44.267 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 8.004 | 180 | 183127 | 43.764 | ng | | 98 |
| 31) Naphthalene | 8.081 | 128 | 610608 | 43.445 | ng | | 100 |
| 32) Benzoic acid | 7.857 | 122 | 127593 | 45.205 | ng | | 97 |
| 33) 4-Chloroaniline | 8.145 | 127 | 144697 | 27.884 | ng | | 95 |
| 34) Hexachlorobutadiene | 8.198 | 225 | 111074 | 43.690 | ng | | 97 |
| 35) Caprolactam | 8.504 | 113 | 54740m | 44.183 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.622 | 107 | 167989 | 39.733 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.775 | 142 | 361771 | 39.996 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.875 | 142 | 347267 | 39.133 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.939 | 216 | 171876 | 53.840 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 8.922 | 237 | 43362 | 44.891 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.057 | 196 | 105949 | 51.750 | ng | | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.098 | 196 | 109059 | 47.802 | ng | | 95 |
| 46) 1,1'-Biphenyl | 9.239 | 154 | 455578 | 52.668 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.263 | 162 | 323651 | 49.218 | ng | | 99 |
| 48) 2-Nitroaniline | 9.363 | 65 | 103081 | 50.058 | ng | | 99 |
| 49) Acenaphthylene | 9.681 | 152 | 500076 | 49.753 | ng | | 100 |
| 50) Dimethylphthalate | 9.545 | 163 | 376206 | 49.966 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.610 | 165 | 78013 | 45.654 | ng | | 94 |
| 52) Acenaphthene | 9.851 | 154 | 283002 | 45.422 | ng | | 99 |
| 53) 3-Nitroaniline | 9.775 | 138 | 67355 | 37.210 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 9.886 | 184 | 72493 | 76.708 | ng | # | 84 |
| 55) Dibenzofuran | 10.022 | 168 | 429155 | 45.439 | ng | | 100 |
| 56) 4-Nitrophenol | 9.951 | 139 | 106728 | 87.342 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 10.010 | 165 | 93442 | 42.123 | ng | | 99 |
| 58) Fluorene | 10.369 | 166 | 322708 | 43.062 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.145 | 232 | 79901 | 45.496 | ng | | 99 |
| 60) Diethylphthalate | 10.245 | 149 | 362689 | 46.427 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.363 | 204 | 158170 | 43.423 | ng | | 94 |
| 62) 4-Nitroaniline | 10.392 | 138 | 65627m | 37.608 | ng | | |
| 63) Azobenzene | 10.522 | 77 | 311458 | 42.686 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.422 | 198 | 43736 | 43.112 | ng | | 94 |
| 66) n-Nitrosodiphenylamine | 10.481 | 169 | 285678 | 49.681 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.851 | 248 | 90599 | 46.085 | ng | | 98 |
| 68) Hexachlorobenzene | 10.916 | 284 | 97885 | 44.680 | ng | | 99 |
| 69) Atrazine | 11.016 | 200 | 89535 | 60.877 | ng | | 97 |
| 70) Pentachlorophenol | 11.116 | 266 | 101105 | 99.010 | ng | | 99 |
| 71) Phenanthrene | 11.333 | 178 | 433203 | 47.695 | ng | | 99 |
| 72) Anthracene | 11.386 | 178 | 449998 | 48.921 | ng | | 99 |
| 73) Carbazole | 11.545 | 167 | 410132 | 47.291 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.875 | 149 | 531267 | 50.202 | ng | | 99 |
| 75) Fluoranthene | 12.527 | 202 | 491722 | 50.612 | ng | | 99 |
| 77) Benzidine | 12.651 | 184 | 169030 | 39.271 | ng | | 99 |
| 78) Pyrene | 12.757 | 202 | 513557 | 35.838 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.380 | 149 | 231602 | 44.417 | ng | | 96 |
| 81) Benzo(a)anthracene | 13.951 | 228 | 459405 | 45.322 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.916 | 252 | 155549 | 54.035 | ng | | 96 |
| 83) Chrysene | 13.992 | 228 | 452147 | 45.614 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.945 | 149 | 335929 | 51.205 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.563 | 149 | 614793 | 60.582 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.939 | 276 | 339234 | 38.429 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.010 | 252 | 396944 | 48.609 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.039 | 252 | 357942 | 46.389 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.374 | 252 | 312648 | 45.357 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.957 | 278 | 288595 | 39.849 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.392 | 276 | 262997 | 35.456 | ng | | 98 |

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

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