Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100523\
Data File : BF135606.D
Acq On : 05 Oct 2023 18:39
Operator : CG\JU
Sample : 04691-01MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
NB-08-092923MSD

Quant Time: Oct 06 03:45:25 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 04 17:06:20 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.739 | 152 | 132710 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.016 | 136 | 444306 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.774 | 164 | 178363 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.269 | 188 | 294580 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.927 | 240 | 255084 | 20.000 | ng | # | 0.00 |
| 86) Perylene-d12 | 15.398 | 264 | 231563 | 20.000 | ng | | 0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.375 | 112 | 718967 | 88.114 | ng | | 0.00 |
| 7) Phenol-d6 | 6.398 | 99 | 844061 | 81.353 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.310 | 82 | 521601 | 63.781 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.569 | 330 | 129803 | 73.232 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.098 | 172 | 769646 | 65.102 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.863 | 244 | 713240 | 43.345 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.469 | 88 | 145960 | 40.806 | ng | | 96 |
| 3) Pyridine | 3.216 | 79 | 351010 | 36.461 | ng | | 100 |
| 4) n-Nitrosodimethylamine | 3.187 | 42 | 237504 | 46.491 | ng | | 98 |
| 6) Aniline | 6.410 | 93 | 356854 | 26.229 | ng | # | 14 |
| 8) 2-Chlorophenol | 6.534 | 128 | 393649 | 45.193 | ng | | 95 |
| 9) Benzaldehyde | 6.298 | 77 | 82806 | 14.010 | ng | | 99 |
| 10) Phenol | 6.410 | 94 | 467018 | 41.050 | ng | | 83 |
| 11) bis(2-Chloroethyl)ether | 6.481 | 93 | 398435 | 46.688 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.681 | 146 | 391423 | 44.218 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.757 | 146 | 394565 | 43.810 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.904 | 146 | 363682 | 43.483 | ng | | 100 |
| 15) Benzyl Alcohol | 6.892 | 79 | 313287 | 42.079 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.016 | 45 | 698815 | 43.443 | ng | | 56 |
| 17) 2-Methylphenol | 7.010 | 107 | 292931 | 38.110 | ng | # | 89 |
| 18) Hexachloroethane | 7.239 | 117 | 147968 | 44.465 | ng | | 91 |
| 19) n-Nitroso-di-n-propyla... | 7.157 | 70 | 256525 | 39.917 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.163 | 107 | 378490 | 40.950 | ng | # | 70 |
| 22) Acetophenone | 7.151 | 105 | 508981 | 50.107 | ng | # | 90 |
| 24) Nitrobenzene | 7.328 | 77 | 395244 | 48.898 | ng | | 99 |
| 25) Isophorone | 7.563 | 82 | 697614 | 46.455 | ng | | 98 |
| 26) 2-Nitrophenol | 7.639 | 139 | 191796 | 49.439 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.686 | 122 | 276577 | 42.414 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.775 | 93 | 442456 | 49.227 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.892 | 162 | 276625 | 45.781 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 7.963 | 180 | 297755 | 47.146 | ng | | 97 |
| 31) Naphthalene | 8.039 | 128 | 971612 | 45.008 | ng | | 100 |
| 32) Benzoic acid | 7.828 | 122 | 182642 | 37.196 | ng | | 98 |
| 33) 4-Chloroaniline | 8.104 | 127 | 250494 | 26.448 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.151 | 225 | 173690 | 45.609 | ng | | 99 |
| 35) Caprolactam | 8.469 | 113 | 86918 | 42.861 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 8.592 | 107 | 265947 | 39.601 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.733 | 142 | 574170 | 39.568 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.833 | 142 | 550329 | 40.508 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 8.898 | 216 | 266483 | 51.571 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 8.880 | 237 | 41666 | 23.995 | ng | | 96 |
| 43) 2,4,6-Trichlorophenol | 9.022 | 196 | 165152 | 48.814 | ng | | 98 |

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**Instrument :**
BNA_F
**ClientSampleId :**
NB-08-092923MSD

Quant Time: Oct 06 03:45:25 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 04 17:06:20 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.069 | 196 | 168150 | 43.157 | ng | | 97 |
| 46) 1,1'-Biphenyl | 9.198 | 154 | 696447 | 50.810 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.222 | 162 | 504803 | 50.759 | ng | | 98 |
| 48) 2-Nitroaniline | 9.333 | 65 | 187348 | 48.490 | ng | | 98 |
| 49) Acenaphthylene | 9.639 | 152 | 767663 | 46.446 | ng | | 100 |
| 50) Dimethylphthalate | 9.504 | 163 | 583197 | 48.361 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.575 | 165 | 122870 | 46.511 | ng | # | 85 |
| 52) Acenaphthene | 9.810 | 154 | 449054 | 45.991 | ng | | 98 |
| 53) 3-Nitroaniline | 9.745 | 138 | 104901 | 33.828 | ng | | 94 |
| 54) 2,4-Dinitrophenol | 9.863 | 184 | 64681 | 46.008 | ng | # | 86 |
| 55) Dibenzofuran | 9.980 | 168 | 647210 | 43.438 | ng | | 97 |
| 56) 4-Nitrophenol | 9.927 | 139 | 139021 | 70.539 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 9.986 | 165 | 135244 | 40.893 | ng | | 96 |
| 58) Fluorene | 10.327 | 166 | 500510 | 43.696 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.110 | 232 | 120374 | 40.163 | ng | | 99 |
| 60) Diethylphthalate | 10.204 | 149 | 560974 | 46.352 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.316 | 204 | 242102 | 44.001 | ng | | 98 |
| 62) 4-Nitroaniline | 10.363 | 138 | 107853 | 36.183 | ng | | 94 |
| 63) Azobenzene | 10.480 | 77 | 528042 | 44.581 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.398 | 198 | 49835 | 31.851 | ng | | 88 |
| 66) n-Nitrosodiphenylamine | 10.439 | 169 | 444524 | 49.844 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.810 | 248 | 141098 | 48.159 | ng | | 97 |
| 68) Hexachlorobenzene | 10.874 | 284 | 143125 | 47.951 | ng | # | 86 |
| 69) Atrazine | 10.974 | 200 | 127738 | 53.232 | ng | | 99 |
| 70) Pentachlorophenol | 11.080 | 266 | 116953 | 65.490 | ng | | 97 |
| 71) Phenanthrene | 11.292 | 178 | 691606 | 49.640 | ng | | 99 |
| 72) Anthracene | 11.345 | 178 | 697468 | 48.703 | ng | | 99 |
| 73) Carbazole | 11.510 | 167 | 656215 | 50.336 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.833 | 149 | 808469 | 52.629 | ng | | 100 |
| 75) Fluoranthene | 12.486 | 202 | 880154 | 60.628 | ng | | 97 |
| 77) Benzidine | 12.616 | 184 | 389044 | 74.446 | ng | | 99 |
| 78) Pyrene | 12.721 | 202 | 927847 | 38.205 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.339 | 149 | 385969 | 45.139 | ng | | 96 |
| 81) Benzo(a)anthracene | 13.921 | 228 | 847886 | 51.476 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.880 | 252 | 274070 | 53.270 | ng | # | 97 |
| 83) Chrysene | 13.957 | 228 | 802109 | 48.980 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.904 | 149 | 534263 | 60.888 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.521 | 149 | 1008759 | 72.342 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 16.886 | 276 | 514225 | 33.869 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 14.974 | 252 | 815804 | 65.080 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 15.004 | 252 | 695697 | 56.183 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.339 | 252 | 565305 | 47.290 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.892 | 278 | 412312 | 33.190 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 17.333 | 276 | 407105 | 31.379 | ng | | 98 |

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

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