Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061523\
Data File : BF133799.D
Acq On : 16 Jun 2023 04:13
Operator : CG\JU
Sample : 03221-02MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
RT-4194MSD

Quant Time: Jun 16 05:33:40 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 15:12:57 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.834 | 152 | 108696 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.116 | 136 | 392243 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.869 | 164 | 166502 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.357 | 188 | 251981 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.004 | 240 | 206800 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.463 | 264 | 235375 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.446 | 112 | 420210 | 67.302 | ng | | 0.00 |
| 7) Phenol-d6 | 6.463 | 99 | 503903 | 62.002 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.398 | 82 | 341154 | 47.373 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.657 | 330 | 108961 | 51.699 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.186 | 172 | 620676 | 52.990 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.939 | 244 | 493034 | 36.890 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.610 | 88 | 108148 | 39.399 | ng | | 97 |
| 3) Pyridine | 3.357 | 79 | 285674 | 35.706 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.316 | 42 | 196668 | 44.470 | ng | | 97 |
| 6) Aniline | 6.493 | 93 | 400720 | 39.147 | ng | | 100 |
| 8) 2-Chlorophenol | 6.616 | 128 | 317963 | 48.324 | ng | | 96 |
| 9) Benzaldehyde | 6.381 | 77 | 181374 | 33.638 | ng | | 96 |
| 10) Phenol | 6.475 | 94 | 395147 | 46.563 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.569 | 93 | 291793 | 46.315 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 6.775 | 146 | 342362 | 48.699 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.851 | 146 | 346775 | 48.803 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 6.998 | 146 | 330018 | 51.400 | ng | | 98 |
| 15) Benzyl Alcohol | 6.975 | 79 | 289067 | 45.540 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.110 | 45 | 523729 | 49.039 | ng | | 100 |
| 17) 2-Methylphenol | 7.087 | 107 | 255584 | 43.824 | ng | | 100 |
| 18) Hexachloroethane | 7.340 | 117 | 128739 | 52.923 | ng | | 94 |
| 19) n-Nitroso-di-n-propyla... | 7.245 | 70 | 223110 | 43.147 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.240 | 107 | 304842 | 40.181 | ng | # | 89 |
| 22) Acetophenone | 7.245 | 105 | 432247 | 48.047 | ng | # | 97 |
| 24) Nitrobenzene | 7.416 | 77 | 345198 | 47.604 | ng | | 99 |
| 25) Isophorone | 7.657 | 82 | 610104 | 46.146 | ng | | 98 |
| 26) 2-Nitrophenol | 7.734 | 139 | 173419 | 53.288 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.769 | 122 | 271829 | 48.461 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.863 | 93 | 352297 | 46.104 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 7.975 | 162 | 250930 | 45.644 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.057 | 180 | 274665 | 47.887 | ng | | 98 |
| 31) Naphthalene | 8.139 | 128 | 856466 | 44.818 | ng | | 99 |
| 32) Benzoic acid | 7.875 | 122 | 154690 | 43.727 | ng | | 95 |
| 33) 4-Chloroaniline | 8.187 | 127 | 267993 | 32.798 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.251 | 225 | 173781 | 46.276 | ng | | 97 |
| 35) Caprolactam | 8.563 | 113 | 71426m | 38.611 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.663 | 107 | 261714 | 41.301 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.828 | 142 | 562377 | 42.354 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.928 | 142 | 519593 | 42.526 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 8.992 | 216 | 262182 | 51.796 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.981 | 237 | 239446 | 106.151 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 9.104 | 196 | 167212 | 49.434 | ng | | 98 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.145 | 196 | 168048 | 42.704 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.292 | 154 | 683860 | 50.926 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.316 | 162 | 493820 | 51.266 | ng | | 99 |
| 48) 2-Nitroaniline | 9.416 | 65 | 165328 | 46.930 | ng | | 98 |
| 49) Acenaphthylene | 9.733 | 152 | 780946 | 46.580 | ng | | 100 |
| 50) Dimethylphthalate | 9.592 | 163 | 571375 | 45.975 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.657 | 165 | 119589 | 46.619 | ng | # | 84 |
| 52) Acenaphthene | 9.904 | 154 | 459986 | 46.873 | ng | | 99 |
| 53) 3-Nitroaniline | 9.828 | 138 | 116578 | 37.344 | ng | | 94 |
| 54) 2,4-Dinitrophenol | 9.933 | 184 | 94000 | 75.346 | ng | | 99 |
| 55) Dibenzofuran | 10.075 | 168 | 676228 | 45.159 | ng | | 97 |
| 56) 4-Nitrophenol | 9.986 | 139 | 164619 | 78.135 | ng | | 84 |
| 57) 2,4-Dinitrotoluene | 10.057 | 165 | 143692 | 44.044 | ng | | 97 |
| 58) Fluorene | 10.422 | 166 | 497884 | 43.478 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.192 | 232 | 125437 | 42.576 | ng | | 99 |
| 60) Diethylphthalate | 10.292 | 149 | 536392 | 42.407 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.410 | 204 | 243448 | 43.064 | ng | | 99 |
| 62) 4-Nitroaniline | 10.439 | 138 | 106453 | 34.779 | ng | | 96 |
| 63) Azobenzene | 10.569 | 77 | 513656 | 42.897 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.469 | 198 | 62365 | 51.794 | ng | | 100 |
| 66) n-Nitrosodiphenylamine | 10.528 | 169 | 425489 | 50.270 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.904 | 248 | 134356 | 47.772 | ng | | 92 |
| 68) Hexachlorobenzene | 10.963 | 284 | 143481 | 48.514 | ng | | 97 |
| 69) Atrazine | 11.057 | 200 | 120788 | 49.184 | ng | | 99 |
| 70) Pentachlorophenol | 11.163 | 266 | 147575 | 83.330 | ng | | 99 |
| 71) Phenanthrene | 11.380 | 178 | 634646 | 49.643 | ng | | 99 |
| 72) Anthracene | 11.433 | 178 | 614025 | 46.063 | ng | | 99 |
| 73) Carbazole | 11.586 | 167 | 565403 | 45.541 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.916 | 149 | 641000 | 40.274 | ng | | 99 |
| 75) Fluoranthene | 12.574 | 202 | 764447 | 56.309 | ng | | 100 |
| 77) Benzidine | 12.698 | 184 | 355621 | 51.247 | ng | | 99 |
| 78) Pyrene | 12.804 | 202 | 807699 | 41.927 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.421 | 149 | 289865 | 35.642 | ng | | 99 |
| 81) Benzo(a)anthracene | 13.992 | 228 | 764277 | 53.429 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 13.957 | 252 | 241464 | 50.774 | ng | | 98 |
| 83) Chrysene | 14.033 | 228 | 729826 | 53.944 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.980 | 149 | 410871 | 41.031 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.598 | 149 | 786673 | 55.283 | ng | | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 16.927 | 276 | 689929 | 42.606 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.045 | 252 | 921944 | 64.480 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.074 | 252 | 735114 | 52.780 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.404 | 252 | 713936 | 53.802 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.945 | 278 | 534609 | 39.878 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.374 | 276 | 541566 | 40.744 | ng | | 98 |

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

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