Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010923\
Data File : BF131970.D
Acq On : 09 Jan 2023 18:57
Operator : CG\JU
Sample : 01043-01MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 10 03:13:15 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 10 00:32:25 2023
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
TP-203MSD

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 01/10/2023
Supervised By :Jagrut Upadhyay 01/10/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.787 | 152 | 74648 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.075 | 136 | 275599 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.839 | 164 | 159353 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.333 | 188 | 304661 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 13.980 | 240 | 153407 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.439 | 264 | 151318 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.410 | 112 | 548265 | 121.024 | ng | 0.02 |
| 7) Phenol-d6 | 6.434 | 99 | 710514 | 118.291 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.363 | 82 | 501665 | 75.548 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.633 | 330 | 206125 | 112.501 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.157 | 172 | 856619 | 72.569 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.921 | 244 | 904052 | 84.465 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.557 | 88 | 87440 | 44.194 | ng | 99 |
| 3) Pyridine | 3.287 | 79 | 236968 | 42.674 | ng | 98 |
| 4) n-Nitrosodimethylamine | 3.257 | 42 | 123058 | 47.153 | ng | 95 |
| 6) Aniline | 6.451 | 93 | 283068 | 35.818 | ng | 91 |
| 8) 2-Chlorophenol | 6.569 | 128 | 216785 | 47.695 | ng | 97 |
| 9) Benzaldehyde | 6.334 | 77 | 136852 | 34.241 | ng | 98 |
| 10) Phenol | 6.445 | 94 | 307888 | 45.950 | ng | 97 |
| 11) bis(2-Chloroethyl)ether | 6.528 | 93 | 230404 | 45.615 | ng | 100 |
| 12) 1,3-Dichlorobenzene | 6.728 | 146 | 237982 | 47.008 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 6.804 | 146 | 244133 | 47.660 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 6.957 | 146 | 230769 | 47.435 | ng | 98 |
| 15) Benzyl Alcohol | 6.939 | 79 | 240142 | 45.911 | ng | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.063 | 45 | 289096 | 45.353 | ng | 90 |
| 17) 2-Methylphenol | 7.051 | 107 | 192269 | 42.745 | ng | 99 |
| 18) Hexachloroethane | 7.298 | 117 | 101473 | 47.902 | ng | 93 |
| 19) n-Nitroso-di-n-propyla... | 7.210 | 70 | 187029 | 43.044 | ng | 98 |
| 20) 3+4-Methylphenols | 7.210 | 107 | 248828 | 43.089 | ng | 90 |
| 22) Acetophenone | 7.204 | 105 | 358616 | 44.692 | ng | 99 |
| 24) Nitrobenzene | 7.381 | 77 | 290338 | 42.948 | ng | 99 |
| 25) Isophorone | 7.622 | 82 | 517875 | 41.746 | ng | 99 |
| 26) 2-Nitrophenol | 7.692 | 139 | 118960 | 44.723 | ng | 95 |
| 27) 2,4-Dimethylphenol | 7.734 | 122 | 196230 | 44.197 | ng | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.834 | 93 | 292905 | 42.662 | ng | 100 |
| 29) 2,4-Dichlorophenol | 7.939 | 162 | 201418 | 44.290 | ng | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.016 | 180 | 233973 | 44.923 | ng | 99 |
| 31) Naphthalene | 8.098 | 128 | 629785 | 43.240 | ng | 100 |
| 32) Benzoic acid | 7.881 | 122 | 94839 | 36.844 | ng | 93 |
| 33) 4-Chloroaniline | 8.151 | 127 | 137202 | 22.828 | ng | 98 |
| 34) Hexachlorobutadiene | 8.210 | 225 | 158372 | 43.857 | ng | 98 |
| 35) Caprolactam | 8.539 | 113 | 56455m | 42.267 | ng | |
| 36) 4-Chloro-3-methylphenol | 8.645 | 107 | 232567 | 43.572 | ng | 98 |
| 37) 2-Methylnaphthalene | 8.792 | 142 | 431123 | 41.214 | ng | 99 |
| 38) 1-Methylnaphthalene | 8.892 | 142 | 397584 | 41.025 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.957 | 216 | 249125 | 44.366 | ng | 98 |
| 41) Hexachlorocyclopentadiene | 8.939 | 237 | 225773 | 80.904 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 9.075 | 196 | 153784 | 45.499 | ng | 98 |

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| | Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) | 2,4,5-Trichlorophenol | 9.122 | 196 | 163035 | 41.433 | ng | 98 |
| 46) | 1,1'-Biphenyl | 9.263 | 154 | 546339 | 44.420 | ng | 99 |
| 47) | 2-Chloronaphthalene | 9.286 | 162 | 433729 | 45.435 | ng | 98 |
| 48) | 2-Nitroaniline | 9.392 | 65 | 153747 | 44.342 | ng | 94 |
| 49) | Acenaphthylene | 9.704 | 152 | 652172 | 44.025 | ng | 99 |
| 50) | Dimethylphthalate | 9.569 | 163 | 527250 | 42.447 | ng | 99 |
| 51) | 2,6-Dinitrotoluene | 9.633 | 165 | 112092 | 42.906 | ng | 87 |
| 52) | Acenaphthene | 9.875 | 154 | 382390 | 43.003 | ng | 98 |
| 53) | 3-Nitroaniline | 9.804 | 138 | 71182 | 28.084 | ng | 96 |
| 54) | 2,4-Dinitrophenol | 9.916 | 184 | 107809 | 82.189 | ng | 97 |
| 55) | Dibenzofuran | 10.045 | 168 | 594638 | 42.424 | ng | 97 |
| 56) | 4-Nitrophenol | 9.980 | 139 | 131856 | 92.359 | ng | 99 |
| 57) | 2,4-Dinitrotoluene | 10.039 | 165 | 154377 | 44.198 | ng | 95 |
| 58) | Fluorene | 10.392 | 166 | 480976 | 42.956 | ng | 99 |
| 59) | 2,3,4,6-Tetrachlorophenol | 10.169 | 232 | 129873m | 44.295 | ng | |
| 60) | Diethylphthalate | 10.269 | 149 | 511769 | 41.900 | ng | 100 |
| 61) | 4-Chlorophenyl-phenyle... | 10.380 | 204 | 266808 | 41.625 | ng | 94 |
| 62) | 4-Nitroaniline | 10.427 | 138 | 96008 | 42.126 | ng | 95 |
| 63) | Azobenzene | 10.545 | 77 | 567928 | 43.833 | ng | 99 |
| 65) | 4,6-Dinitro-2-methylph... | 10.451 | 198 | 80359 | 40.901 | ng | 86 |
| 66) | n-Nitrosodiphenylamine | 10.504 | 169 | 415143 | 43.433 | ng | 100 |
| 67) | 4-Bromophenyl-phenylether | 10.874 | 248 | 160612 | 42.142 | ng | 95 |
| 68) | Hexachlorobenzene | 10.939 | 284 | 176325 | 45.734 | ng | 97 |
| 69) | Atrazine | 11.039 | 200 | 153973 | 44.298 | ng | 97 |
| 70) | Pentachlorophenol | 11.139 | 266 | 149049 | 72.904 | ng | 98 |
| 71) | Phenanthrene | 11.357 | 178 | 695279 | 43.778 | ng | 100 |
| 72) | Anthracene | 11.410 | 178 | 712609 | 43.585 | ng | 99 |
| 73) | Carbazole | 11.569 | 167 | 585834 | 43.280 | ng | 100 |
| 74) | Di-n-butylphthalate | 11.892 | 149 | 776103 | 41.177 | ng | 100 |
| 75) | Fluoranthene | 12.545 | 202 | 731874 | 40.974 | ng | 99 |
| 77) | Benzidine | 12.674 | 184 | 250779 | 49.206 | ng | 97 |
| 78) | Pyrene | 12.780 | 202 | 731447 | 52.277 | ng | 100 |
| 80) | Butylbenzylphthalate | 13.398 | 149 | 256090 | 45.345 | ng | 97 |
| 81) | Benzo(a)anthracene | 13.968 | 228 | 480027 | 43.010 | ng | 99 |
| 82) | 3,3'-Dichlorobenzidine | 13.933 | 252 | 87127 | 25.013 | ng | 98 |
| 83) | Chrysene | 14.004 | 228 | 452779 | 43.409 | ng | 100 |
| 84) | Bis(2-ethylhexyl)phtha... | 13.951 | 149 | 316194 | 41.326 | ng | 100 |
| 85) | Di-n-octyl phthalate | 14.568 | 149 | 477350 | 45.592 | ng | 100 |
| 87) | Indeno(1,2,3-cd)pyrene | 16.909 | 276 | 524317 | 56.498 | ng | 99 |
| 88) | Benzo(b)fluoranthene | 15.015 | 252 | 446821 | 43.052 | ng | 100 |
| 89) | Benzo(k)fluoranthene | 15.045 | 252 | 403942 | 38.998 | ng | 98 |
| 90) | Benzo(a)pyrene | 15.380 | 252 | 389363 | 41.639 | ng | 99 |
| 91) | Dibenzo(a,h)anthracene | 16.921 | 278 | 443419 | 56.998 | ng | 98 |
| 92) | Benzo(g,h,i)perylene | 17.351 | 276 | 431476 | 51.519 | ng | 99 |

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

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