Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
Data File : BF133074.D
Acq On : 26 Apr 2023 20:02
Operator : CG\JU
Sample : 02491-01MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
S2S-TP3MSD

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023

Quant Time: Apr 27 02:00:50 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 27 01:56:03 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.734 | 152 | 168004 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.022 | 136 | 691110 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.774 | 164 | 356311 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.257 | 188 | 645956 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.892 | 240 | 371338 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.304 | 264 | 353101 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.351 | 112 | 1193003 | 107.269 | ng | | 0.01 |
| 7) Phenol-d6 | 6.381 | 99 | 1509565 | 109.355 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.304 | 82 | 912627 | 71.278 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.563 | 330 | 389596 | 108.723 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.098 | 172 | 1562805 | 73.379 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.839 | 244 | 1799978 | 83.599 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.463 | 88 | 230187 | 44.622 | ng | | 96 |
| 3) Pyridine | 3.157 | 79 | 582522 | 42.516 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.116 | 42 | 302924 | 42.685 | ng | | 92 |
| 6) Aniline | 6.398 | 93 | 630396 | 35.456 | ng | # | 89 |
| 8) 2-Chlorophenol | 6.522 | 128 | 574385 | 50.866 | ng | | 95 |
| 9) Benzaldehyde | 6.281 | 77 | 332482 | 63.491 | ng | | 99 |
| 10) Phenol | 6.392 | 94 | 699736 | 45.949 | ng | | 80 |
| 11) bis(2-Chloroethyl)ether | 6.475 | 93 | 540561 | 47.303 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.675 | 146 | 599306 | 49.919 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.751 | 146 | 606816 | 50.433 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.904 | 146 | 577516 | 52.062 | ng | | 97 |
| 15) Benzyl Alcohol | 6.881 | 79 | 468672 | 49.150 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.016 | 45 | 885908 | 44.634 | ng | | 97 |
| 17) 2-Methylphenol | 6.998 | 107 | 463755 | 44.851 | ng | | 99 |
| 18) Hexachloroethane | 7.251 | 117 | 205778 | 49.192 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.157 | 70 | 376396 | 43.798 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.151 | 107 | 568463 | 46.684 | ng | | 98 |
| 22) Acetophenone | 7.145 | 105 | 750590 | 46.885 | ng | # | 97 |
| 24) Nitrobenzene | 7.322 | 77 | 575773 | 44.377 | ng | | 100 |
| 25) Isophorone | 7.563 | 82 | 1081589 | 44.491 | ng | | 99 |
| 26) 2-Nitrophenol | 7.639 | 139 | 319696 | 51.086 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 7.681 | 122 | 521787 | 48.626 | ng | | 100 |
| 28) bis(2-Chloroethoxy)met... | 7.775 | 93 | 642388 | 44.668 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.880 | 162 | 473034 | 48.424 | ng | | 100 |
| 30) 1,2,4-Trichlorobenzene | 7.963 | 180 | 488838 | 48.303 | ng | | 100 |
| 31) Naphthalene | 8.045 | 128 | 1590417 | 46.028 | ng | | 99 |
| 32) Benzoic acid | 7.804 | 122 | 349075m | 52.665 | ng | | |
| 33) 4-Chloroaniline | 8.092 | 127 | 233430 | 16.720 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.163 | 225 | 266505 | 47.513 | ng | | 99 |
| 35) Caprolactam | 8.469 | 113 | 172356m | 52.521 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.580 | 107 | 523690 | 49.713 | ng | | 100 |
| 37) 2-Methylnaphthalene | 8.733 | 142 | 1060658 | 44.899 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.833 | 142 | 999470 | 45.227 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.904 | 216 | 443336 | 46.276 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.892 | 237 | 509044 | 91.109 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.016 | 196 | 326173 | 49.231 | ng | | 99 |

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Quant Time: Apr 27 02:00:50 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 27 01:56:03 2023
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**Instrument :**
BNA_F
**ClientSampleId :**
S2S-TP3MSD

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| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 44) | 2,4,5-Trichlorophenol | 9.051 | 196 | 346255 | 45.189 | ng | | 99 |
| 46) | 1,1'-Biphenyl | 9.198 | 154 | 1304779 | 46.181 | ng | | 99 |
| 47) | 2-Chloronaphthalene | 9.222 | 162 | 988224 | 47.787 | ng | | 100 |
| 48) | 2-Nitroaniline | 9.316 | 65 | 322344 | 47.163 | ng | | 95 |
| 49) | Acenaphthylene | 9.633 | 152 | 1550059 | 46.910 | ng | | 100 |
| 50) | Dimethylphthalate | 9.504 | 163 | 1169879 | 47.087 | ng | | 98 |
| 51) | 2,6-Dinitrotoluene | 9.563 | 165 | 276995 | 49.535 | ng | # | 81 |
| 52) | Acenaphthene | 9.810 | 154 | 1112348m | 50.262 | ng | | |
| 53) | 3-Nitroaniline | 9.727 | 138 | 207970 | 31.279 | ng | | 95 |
| 54) | 2,4-Dinitrophenol | 9.833 | 184 | 284303 | 101.147 | ng | | 98 |
| 55) | Dibenzofuran | 9.980 | 168 | 1395897 | 46.239 | ng | | 99 |
| 56) | 4-Nitrophenol | 9.898 | 139 | 505519 | 98.164 | ng | | 98 |
| 57) | 2,4-Dinitrotoluene | 9.963 | 165 | 367261 | 51.500 | ng | | 91 |
| 58) | Fluorene | 10.322 | 166 | 1031387 | 46.632 | ng | | 100 |
| 59) | 2,3,4,6-Tetrachlorophenol | 10.098 | 232 | 292674 | 49.269 | ng | | 98 |
| 60) | Diethylphthalate | 10.204 | 149 | 1099935 | 46.871 | ng | | 98 |
| 61) | 4-Chlorophenyl-phenyle... | 10.316 | 204 | 499105 | 46.307 | ng | | 100 |
| 62) | 4-Nitroaniline | 10.345 | 138 | 315288 | 51.593 | ng | | 95 |
| 63) | Azobenzene | 10.474 | 77 | 1138687 | 45.804 | ng | | 98 |
| 65) | 4,6-Dinitro-2-methylph... | 10.369 | 198 | 207206 | 52.922 | ng | | 85 |
| 66) | n-Nitrosodiphenylamine | 10.433 | 169 | 961597 | 45.893 | ng | | 99 |
| 67) | 4-Bromophenyl-phenylether | 10.804 | 248 | 320249 | 45.712 | ng | | 98 |
| 68) | Hexachlorobenzene | 10.869 | 284 | 350849 | 48.873 | ng | | 98 |
| 69) | Atrazine | 10.963 | 200 | 333864 | 55.298 | ng | | 98 |
| 70) | Pentachlorophenol | 11.063 | 266 | 402138 | 78.656 | ng | | 97 |
| 71) | Phenanthrene | 11.280 | 178 | 1586059 | 45.684 | ng | | 99 |
| 72) | Anthracene | 11.333 | 178 | 1644887 | 46.295 | ng | | 100 |
| 73) | Carbazole | 11.486 | 167 | 1489466 | 47.080 | ng | | 100 |
| 74) | Di-n-butylphthalate | 11.821 | 149 | 1740941 | 48.626 | ng | | 100 |
| 75) | Fluoranthene | 12.463 | 202 | 1648320 | 47.306 | ng | | 100 |
| 77) | Benzidine | 12.586 | 184 | 707700 | 112.700 | ng | # | 93 |
| 78) | Pyrene | 12.692 | 202 | 1680999 | 52.808 | ng | | 99 |
| 80) | Butylbenzylphthalate | 13.315 | 149 | 691409 | 61.344 | ng | | 95 |
| 81) | Benzo(a)anthracene | 13.880 | 228 | 1212114 | 47.467 | ng | | 99 |
| 82) | 3,3'-Dichlorobenzidine | 13.845 | 252 | 227758 | 32.286 | ng | | 99 |
| 83) | Chrysene | 13.915 | 228 | 1168957 | 45.789 | ng | | 98 |
| 84) | Bis(2-ethylhexyl)phtha... | 13.880 | 149 | 790487 | 55.876 | ng | | 99 |
| 85) | Di-n-octyl phthalate | 14.492 | 149 | 1265031 | 54.840 | ng | | 97 |
| 87) | Indeno(1,2,3-cd)pyrene | 16.686 | 276 | 1321137 | 65.777 | ng | | 100 |
| 88) | Benzo(b)fluoranthene | 14.904 | 252 | 1063974 | 47.364 | ng | | 98 |
| 89) | Benzo(k)fluoranthene | 14.933 | 252 | 1018500 | 45.738 | ng | | 99 |
| 90) | Benzo(a)pyrene | 15.251 | 252 | 946075 | 46.270 | ng | | 99 |
| 91) | Dibenzo(a,h)anthracene | 16.709 | 278 | 1101588 | 65.759 | ng | | 99 |
| 92) | Benzo(g,h,i)perylene | 17.103 | 276 | 1103462 | 66.721 | ng | | 98 |

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

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