Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022822\
Data File : BF127103.D
Acq On : 28 Feb 2022 16:47
Operator : CG\JU
Sample : N1679-01MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
RO-72-11944MSD

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022

Quant Time: Mar 01 01:39:37 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 24 02:10:57 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.904 | 152 | 91749 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.187 | 136 | 369800 | 20.000 | ng | # | 0.00 |
| 39) Acenaphthene-d10 | 9.945 | 164 | 184051 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.439 | 188 | 311977 | 20.000 | ng | # | 0.00 |
| 76) Chrysene-d12 | 14.086 | 240 | 161379 | 20.000 | ng | # | 0.00 |
| 86) Perylene-d12 | 15.580 | 264 | 180014 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.528 | 112 | 629559 | 106.053 | ng | | 0.00 |
| 7) Phenol-d6 | 6.534 | 99 | 834412 | 104.170 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.469 | 82 | 582286 | 71.073 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.739 | 330 | 244933 | 115.584 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.263 | 172 | 927129 | 74.158 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.022 | 244 | 766277 | 69.802 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.734 | 88 | 113971 | 41.957 | ng | | 97 |
| 3) Pyridine | 3.504 | 79 | 271990 | 38.175 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.469 | 42 | 164069 | 47.008 | ng | # | 76 |
| 6) Aniline | 6.563 | 93 | 274525 | 28.926 | ng | | 94 |
| 8) 2-Chlorophenol | 6.687 | 128 | 317544 | 49.855 | ng | | 97 |
| 9) Benzaldehyde | 6.457 | 77 | 191691 | 39.314 | ng | | 98 |
| 10) Phenol | 6.545 | 94 | 408208m | 50.436 | ng | | |
| 11) bis(2-Chloroethyl)ether | 6.640 | 93 | 302051 | 47.581 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 6.845 | 146 | 337059 | 49.057 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.922 | 146 | 338565 | 48.606 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 7.069 | 146 | 324547 | 48.859 | ng | | 98 |
| 15) Benzyl Alcohol | 7.045 | 79 | 317868 | 47.105 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.175 | 45 | 420065 | 42.023 | ng | | 94 |
| 17) 2-Methylphenol | 7.157 | 107 | 267490 | 48.541 | ng | | 94 |
| 18) Hexachloroethane | 7.416 | 117 | 130731 | 48.964 | ng | # | 87 |
| 19) n-Nitroso-di-n-propyla... | 7.316 | 70 | 239198 | 46.343 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.304 | 107 | 338564 | 47.313 | ng | | 93 |
| 22) Acetophenone | 7.310 | 105 | 462606 | 47.512 | ng | # | 95 |
| 24) Nitrobenzene | 7.487 | 77 | 370439 | 47.863 | ng | | 96 |
| 25) Isophorone | 7.722 | 82 | 654539 | 48.281 | ng | # | 98 |
| 26) 2-Nitrophenol | 7.804 | 139 | 168344 | 51.087 | ng | # | 87 |
| 27) 2,4-Dimethylphenol | 7.834 | 122 | 297444m | 54.946 | ng | | |
| 28) bis(2-Chloroethoxy)met... | 7.934 | 93 | 375429 | 45.679 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.045 | 162 | 254409 | 49.988 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.128 | 180 | 272498 | 47.891 | ng | | 97 |
| 31) Naphthalene | 8.210 | 128 | 926684 | 48.004 | ng | | 100 |
| 32) Benzoic acid | 7.963 | 122 | 201870 | 52.582 | ng | | 91 |
| 33) 4-Chloroaniline | 8.251 | 127 | 84070 | 11.064 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.316 | 225 | 160837 | 48.417 | ng | | 97 |
| 35) Caprolactam | 8.634 | 113 | 84447m | 47.515 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.739 | 107 | 317743 | 48.850 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.898 | 142 | 616349 | 49.205 | ng | | 97 |
| 38) 1-Methylnaphthalene | 8.998 | 142 | 575093 | 47.944 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.063 | 216 | 253151 | 52.251 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 9.051 | 237 | 257795 | 98.107 | ng | | 93 |
| 43) 2,4,6-Trichlorophenol | 9.181 | 196 | 178887 | 50.342 | ng | | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.222 | 196 | 186342 | 49.834 | ng | | 94 |
| 46) 1,1'-Biphenyl | 9.363 | 154 | 737259 | 50.559 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.392 | 162 | 535946 | 49.563 | ng | | 96 |
| 48) 2-Nitroaniline | 9.486 | 65 | 206337 | 48.355 | ng | | 96 |
| 49) Acenaphthylene | 9.810 | 152 | 898486 | 51.152 | ng | | 98 |
| 50) Dimethylphthalate | 9.669 | 163 | 649550 | 49.374 | ng | # | 99 |
| 51) 2,6-Dinitrotoluene | 9.733 | 165 | 140653 | 52.549 | ng | | 99 |
| 52) Acenaphthene | 9.981 | 154 | 634545m | 55.548 | ng | | |
| 53) 3-Nitroaniline | 9.898 | 138 | 80782 | 24.690 | ng | | 96 |
| 54) 2,4-Dinitrophenol | 10.010 | 184 | 142851 | 100.834 | ng | # | 86 |
| 55) Dibenzofuran | 10.151 | 168 | 785718 | 50.020 | ng | | 91 |
| 56) 4-Nitrophenol | 10.063 | 139 | 219451 | 90.814 | ng | # | 75 |
| 57) 2,4-Dinitrotoluene | 10.133 | 165 | 184420 | 50.959 | ng | # | 95 |
| 58) Fluorene | 10.498 | 166 | 629677 | 51.463 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.269 | 232 | 143608 | 48.443 | ng | | 94 |
| 60) Diethylphthalate | 10.363 | 149 | 659943 | 48.008 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.486 | 204 | 280231 | 48.571 | ng | | 98 |
| 62) 4-Nitroaniline | 10.516 | 138 | 139753 | 43.256 | ng | # | 76 |
| 63) Azobenzene | 10.645 | 77 | 690267 | 45.095 | ng | | 93 |
| 65) 4,6-Dinitro-2-methylph... | 10.545 | 198 | 87379 | 47.668 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 10.604 | 169 | 516861 | 50.524 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.980 | 248 | 173965 | 49.908 | ng | | 97 |
| 68) Hexachlorobenzene | 11.039 | 284 | 189475 | 50.493 | ng | # | 90 |
| 69) Atrazine | 11.133 | 200 | 167601 | 52.824 | ng | | 97 |
| 70) Pentachlorophenol | 11.239 | 266 | 194187 | 94.798 | ng | | 98 |
| 71) Phenanthrene | 11.463 | 178 | 1032905 | 59.152 | ng | | 99 |
| 72) Anthracene | 11.516 | 178 | 883815 | 50.842 | ng | | 100 |
| 73) Carbazole | 11.669 | 167 | 693795 | 43.521 | ng | | 98 |
| 74) Di-n-butylphthalate | 11.992 | 149 | 951456 | 46.426 | ng | | 99 |
| 75) Fluoranthene | 12.657 | 202 | 864860 | 52.162 | ng | | 93 |
| 77) Benzidine | 12.774 | 184 | 227684 | 51.916 | ng | # | 96 |
| 78) Pyrene | 12.886 | 202 | 798029 | 56.919 | ng | | 98 |
| 80) Butylbenzylphthalate | 13.498 | 149 | 302179 | 45.526 | ng | | 83 |
| 81) Benzo(a)anthracene | 14.074 | 228 | 588669 | 54.108 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.033 | 252 | 100340 | 29.265 | ng | # | 96 |
| 83) Chrysene | 14.110 | 228 | 543208 | 53.095 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.051 | 149 | 429730 | 49.314 | ng | # | 98 |
| 85) Di-n-octyl phthalate | 14.668 | 149 | 625378 | 49.844 | ng | | 96 |
| 87) Indeno(1,2,3-cd)pyrene | 17.109 | 276 | 580059 | 49.142 | ng | # | 85 |
| 88) Benzo(b)fluoranthene | 15.139 | 252 | 675920 | 55.905 | ng | # | 93 |
| 89) Benzo(k)fluoranthene | 15.168 | 252 | 530149 | 45.461 | ng | # | 95 |
| 90) Benzo(a)pyrene | 15.521 | 252 | 599362m | 63.466 | ng | | |
| 91) Dibenzo(a,h)anthracene | 17.127 | 278 | 480590 | 49.229 | ng | # | 91 |
| 92) Benzo(g,h,i)perylene | 17.574 | 276 | 463851 | 48.196 | ng | # | 85 |

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

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