Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022822\
Data File : BF127092.D
Acq On : 28 Feb 2022 11:27
Operator : CG\JU
Sample : PB142950BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 28 16:56:16 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

**Instrument :**
BNA_F
**ClientSampleId :**
PB142950BS

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo

03/01/2022
Supervised By :Jagrut Upadhyay

03/01/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.904 | 152 | 93423 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.186 | 136 | 384043 | 20.000 | ng | # | 0.00 |
| 39) Acenaphthene-d10 | 9.945 | 164 | 193347 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.439 | 188 | 360412 | 20.000 | ng | # | 0.00 |
| 76) Chrysene-d12 | 14.086 | 240 | 247947 | 20.000 | ng | # | 0.00 |
| 86) Perylene-d12 | 15.580 | 264 | 195222 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.528 | 112 | 675029 | 111.676 | ng | | 0.00 |
| 7) Phenol-d6 | 6.534 | 99 | 868844 | 106.525 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.469 | 82 | 610781 | 71.786 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.739 | 330 | 275158 | 123.604 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.263 | 172 | 1000953 | 76.213 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.021 | 244 | 1199822 | 71.136 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.752 | 88 | 89738 | 32.444 | ng | | 98 |
| 3) Pyridine | 3.516 | 79 | 212060 | 29.230 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.481 | 42 | 144981 | 40.795 | ng | # | 70 |
| 6) Aniline | 6.563 | 93 | 337493 | 34.923 | ng | | 94 |
| 8) 2-Chlorophenol | 6.687 | 128 | 278234 | 42.901 | ng | | 98 |
| 9) Benzaldehyde | 6.457 | 77 | 134405 | 27.072 | ng | | 97 |
| 10) Phenol | 6.545 | 94 | 362422 | 43.976 | ng | | 83 |
| 11) bis(2-Chloroethyl)ether | 6.640 | 93 | 262198 | 40.563 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.845 | 146 | 294131 | 42.042 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.922 | 146 | 298621 | 42.103 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.069 | 146 | 285256 | 42.174 | ng | | 99 |
| 15) Benzyl Alcohol | 7.045 | 79 | 268681 | 39.102 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.175 | 45 | 371110 | 36.460 | ng | | 93 |
| 17) 2-Methylphenol | 7.151 | 107 | 229778 | 40.950 | ng | # | 92 |
| 18) Hexachloroethane | 7.416 | 117 | 113446 | 41.728 | ng | # | 85 |
| 19) n-Nitroso-di-n-propyla... | 7.310 | 70 | 206482 | 39.288 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.304 | 107 | 295148 | 40.507 | ng | | 95 |
| 22) Acetophenone | 7.310 | 105 | 400593 | 39.617 | ng | # | 98 |
| 24) Nitrobenzene | 7.487 | 77 | 320593 | 39.887 | ng | | 97 |
| 25) Isophorone | 7.722 | 82 | 555243 | 39.438 | ng | # | 98 |
| 26) 2-Nitrophenol | 7.804 | 139 | 143812 | 42.024 | ng | # | 93 |
| 27) 2,4-Dimethylphenol | 7.834 | 122 | 252845 | 44.975 | ng | | 91 |
| 28) bis(2-Chloroethoxy)met... | 7.934 | 93 | 319601 | 37.444 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.045 | 162 | 216635 | 40.987 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.128 | 180 | 240161 | 40.642 | ng | | 99 |
| 31) Naphthalene | 8.210 | 128 | 822385 | 41.021 | ng | | 100 |
| 32) Benzoic acid | 7.957 | 122 | 157217 | 39.432 | ng | | 83 |
| 33) 4-Chloroaniline | 8.257 | 127 | 232816 | 29.504 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.316 | 225 | 140884 | 40.838 | ng | | 97 |
| 35) Caprolactam | 8.628 | 113 | 73555m | 39.851 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.739 | 107 | 284292 | 42.086 | ng | | 95 |
| 37) 2-Methylnaphthalene | 8.898 | 142 | 552908 | 42.503 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.998 | 142 | 504499 | 40.499 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.063 | 216 | 216442 | 42.526 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 9.051 | 237 | 255512 | 92.563 | ng | | 95 |
| 43) 2,4,6-Trichlorophenol | 9.181 | 196 | 153008 | 40.989 | ng | | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.222 | 196 | 161010 | 40.989 | ng | | 96 |
| 46) 1,1'-Biphenyl | 9.363 | 154 | 623794 | 40.722 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.392 | 162 | 468739 | 41.264 | ng | | 94 |
| 48) 2-Nitroaniline | 9.486 | 65 | 187428 | 41.812 | ng | | 96 |
| 49) Acenaphthylene | 9.810 | 152 | 770300 | 41.746 | ng | | 98 |
| 50) Dimethylphthalate | 9.663 | 163 | 566112 | 40.963 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.728 | 165 | 124319 | 44.214 | ng | # | 83 |
| 52) Acenaphthene | 9.980 | 154 | 553119m | 46.092 | ng | | |
| 53) 3-Nitroaniline | 9.898 | 138 | 105276 | 30.630 | ng | # | 99 |
| 54) 2,4-Dinitrophenol | 10.010 | 184 | 130290 | 87.545 | ng | # | 87 |
| 55) Dibenzofuran | 10.151 | 168 | 676296 | 40.984 | ng | | 90 |
| 56) 4-Nitrophenol | 10.069 | 139 | 218957 | 86.253 | ng | # | 87 |
| 57) 2,4-Dinitrotoluene | 10.133 | 165 | 172894 | 45.478 | ng | # | 98 |
| 58) Fluorene | 10.498 | 166 | 540487 | 42.050 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.269 | 232 | 136588 | 43.860 | ng | | 93 |
| 60) Diethylphthalate | 10.363 | 149 | 593392 | 41.091 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.486 | 204 | 250685 | 41.361 | ng | | 98 |
| 62) 4-Nitroaniline | 10.522 | 138 | 143909 | 42.400 | ng | # | 78 |
| 63) Azobenzene | 10.645 | 77 | 623443 | 38.771 | ng | | 95 |
| 65) 4,6-Dinitro-2-methylph... | 10.545 | 198 | 83787 | 39.566 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 10.610 | 169 | 471403 | 39.888 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 10.980 | 248 | 162658 | 40.393 | ng | | 97 |
| 68) Hexachlorobenzene | 11.045 | 284 | 182355 | 42.065 | ng | | 91 |
| 69) Atrazine | 11.133 | 200 | 157986 | 43.102 | ng | | 96 |
| 70) Pentachlorophenol | 11.239 | 266 | 197122 | 83.298 | ng | | 96 |
| 71) Phenanthrene | 11.463 | 178 | 817295 | 40.514 | ng | | 100 |
| 72) Anthracene | 11.516 | 178 | 837280 | 41.692 | ng | | 99 |
| 73) Carbazole | 11.669 | 167 | 728908 | 39.579 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.992 | 149 | 960683 | 40.576 | ng | | 99 |
| 75) Fluoranthene | 12.657 | 202 | 822583 | 42.945 | ng | | 93 |
| 77) Benzidine | 12.774 | 184 | 327195 | 48.559 | ng | | 97 |
| 78) Pyrene | 12.886 | 202 | 824108 | 38.257 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.498 | 149 | 389657 | 38.209 | ng | | 87 |
| 81) Benzo(a)anthracene | 14.074 | 228 | 669369 | 40.044 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 14.033 | 252 | 180356 | 34.237 | ng | | 98 |
| 83) Chrysene | 14.116 | 228 | 649437 | 41.316 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.051 | 149 | 537217 | 40.125 | ng | # | 96 |
| 85) Di-n-octyl phthalate | 14.668 | 149 | 829268 | 43.018 | ng | | 95 |
| 87) Indeno(1,2,3-cd)pyrene | 17.109 | 276 | 518126 | 40.476 | ng | # | 84 |
| 88) Benzo(b)fluoranthene | 15.139 | 252 | 596325 | 45.480 | ng | # | 94 |
| 89) Benzo(k)fluoranthene | 15.174 | 252 | 541302 | 42.802 | ng | # | 93 |
| 90) Benzo(a)pyrene | 15.521 | 252 | 523381 | 51.103 | ng | # | 94 |
| 91) Dibenzo(a,h)anthracene | 17.127 | 278 | 441810 | 41.731 | ng | # | 91 |
| 92) Benzo(g,h,i)perylene | 17.574 | 276 | 432613 | 41.448 | ng | # | 84 |

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

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