Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041822\
Data File : BF127821.D
Acq On : 18 Apr 2022 11:28
Operator : CG\JU
Sample : PB144160BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 19 05:14:44 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF040622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 13 16:40:15 2022
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB144160BS

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 04/19/2022
Supervised By :Jagrut Upadhyay 04/19/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.951 | 152 | 176788 | 20.000 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.240 | 136 | 638262 | 20.000 | ng | # | 0.00 |
| 39) Acenaphthene-d10 | 9.998 | 164 | 357915 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.492 | 188 | 645376 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.139 | 240 | 433483 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.657 | 264 | 353025 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.593 | 112 | 1259173 | 115.734 | ng | | 0.01 |
| 7) Phenol-d6 | 6.587 | 99 | 1611705 | 113.235 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.522 | 82 | 1168855 | 81.642 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.792 | 330 | 489159 | 128.430 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.316 | 172 | 1956713 | 77.339 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.080 | 244 | 2187501 | 83.295 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.963 | 88 | 184511 | 35.754 | ng | | 83 |
| 3) Pyridine | 3.693 | 79 | 508144 | 37.386 | ng | # | 81 |
| 4) n-Nitrosodimethylamine | 3.669 | 42 | 292610 | 40.031 | ng | | 92 |
| 6) Aniline | 6.616 | 93 | 593654 | 34.971 | ng | | 96 |
| 8) 2-Chlorophenol | 6.740 | 128 | 528336 | 47.871 | ng | | 94 |
| 9) Benzaldehyde | 6.504 | 77 | 281836 | 39.214 | ng | | 95 |
| 10) Phenol | 6.598 | 94 | 632819m | 44.464 | ng | | |
| 11) bis(2-Chloroethyl)ether | 6.687 | 93 | 539836 | 45.930 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 6.893 | 146 | 570850 | 45.267 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.969 | 146 | 579786 | 45.481 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.122 | 146 | 551070 | 45.224 | ng | | 99 |
| 15) Benzyl Alcohol | 7.098 | 79 | 488858m | 39.287 | ng | | |
| 16) 2,2'-oxybis(1-Chloropr... | 7.222 | 45 | 773537 | 41.694 | ng | | 95 |
| 17) 2-Methylphenol | 7.204 | 107 | 428530 | 44.637 | ng | | 98 |
| 18) Hexachloroethane | 7.463 | 117 | 222288 | 45.697 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.369 | 70 | 393473 | 42.742 | ng | | 93 |
| 20) 3+4-Methylphenols | 7.357 | 107 | 504726 | 41.256 | ng | # | 79 |
| 22) Acetophenone | 7.363 | 105 | 713725 | 41.614 | ng | # | 87 |
| 24) Nitrobenzene | 7.540 | 77 | 622813 | 44.877 | ng | | 100 |
| 25) Isophorone | 7.775 | 82 | 1144377 | 45.808 | ng | | 98 |
| 26) 2-Nitrophenol | 7.851 | 139 | 270183 | 54.172 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 7.887 | 122 | 476393 | 48.786 | ng | | 94 |
| 28) bis(2-Chloroethoxy)met... | 7.981 | 93 | 659218 | 42.795 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.092 | 162 | 462212 | 43.940 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.175 | 180 | 537340 | 44.385 | ng | | 99 |
| 31) Naphthalene | 8.263 | 128 | 1457348 | 43.574 | ng | | 99 |
| 32) Benzoic acid | 8.016 | 122 | 315712 | 44.563 | ng | | 93 |
| 33) 4-Chloroaniline | 8.304 | 127 | 213697 | 16.224 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.369 | 225 | 357662 | 42.948 | ng | | 99 |
| 35) Caprolactam | 8.687 | 113 | 133435m | 42.919 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.787 | 107 | 486126 | 44.079 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.951 | 142 | 972596 | 43.480 | ng | | 99 |
| 38) 1-Methylnaphthalene | 9.051 | 142 | 930627 | 43.103 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 9.116 | 216 | 519960 | 44.292 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 9.098 | 237 | 702587 | 99.355 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.228 | 196 | 345723 | 43.378 | ng | | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.269 | 196 | 374720 | 46.594 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.416 | 154 | 1188876 | 43.433 | ng | | 100 |
| 47) 2-Chloronaphthalene | 9.445 | 162 | 943833 | 43.389 | ng | | 100 |
| 48) 2-Nitroaniline | 9.539 | 65 | 325129 | 48.125 | ng | | 93 |
| 49) Acenaphthylene | 9.863 | 152 | 1510672 | 45.658 | ng | | 99 |
| 50) Dimethylphthalate | 9.722 | 163 | 1133165 | 43.678 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.781 | 165 | 252591 | 51.652 | ng | | 94 |
| 52) Acenaphthene | 10.034 | 154 | 1013892m | 48.639 | ng | | |
| 53) 3-Nitroaniline | 9.951 | 138 | 160773 | 31.120 | ng | | 96 |
| 54) 2,4-Dinitrophenol | 10.057 | 184 | 276356 | 111.761 | ng | | 93 |
| 55) Dibenzofuran | 10.204 | 168 | 1291622 | 42.461 | ng | | 97 |
| 56) 4-Nitrophenol | 10.116 | 139 | 384354 | 94.719 | ng | | 88 |
| 57) 2,4-Dinitrotoluene | 10.186 | 165 | 335660 | 55.363 | ng | # | 91 |
| 58) Fluorene | 10.551 | 166 | 975808 | 43.416 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.322 | 232 | 314809 | 44.923 | ng | | 100 |
| 60) Diethylphthalate | 10.416 | 149 | 1065898 | 42.934 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 10.539 | 204 | 523554 | 42.395 | ng | | 99 |
| 62) 4-Nitroaniline | 10.575 | 138 | 244198 | 50.189 | ng | | 95 |
| 63) Azobenzene | 10.698 | 77 | 1107613 | 39.927 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylph... | 10.598 | 198 | 176704 | 56.687 | ng | # | 81 |
| 66) n-Nitrosodiphenylamine | 10.663 | 169 | 887874 | 43.682 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 11.033 | 248 | 348785 | 44.530 | ng | | 97 |
| 68) Hexachlorobenzene | 11.092 | 284 | 392943 | 45.893 | ng | | 94 |
| 69) Atrazine | 11.186 | 200 | 342204 | 50.673 | ng | | 97 |
| 70) Pentachlorophenol | 11.292 | 266 | 436183 | 85.296 | ng | | 97 |
| 71) Phenanthrene | 11.516 | 178 | 1474713 | 43.128 | ng | | 99 |
| 72) Anthracene | 11.569 | 178 | 1495083 | 44.202 | ng | | 99 |
| 73) Carbazole | 11.722 | 167 | 1348974 | 42.563 | ng | | 99 |
| 74) Di-n-butylphthalate | 12.045 | 149 | 1618898 | 42.729 | ng | | 100 |
| 75) Fluoranthene | 12.710 | 202 | 1648932 | 44.191 | ng | | 99 |
| 77) Benzidine | 12.827 | 184 | 527966 | 46.664 | ng | | 99 |
| 78) Pyrene | 12.939 | 202 | 1639040 | 44.777 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.551 | 149 | 623752 | 45.766 | ng | | 88 |
| 81) Benzo(a)anthracene | 14.127 | 228 | 1352478 | 46.715 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 14.086 | 252 | 290872 | 32.226 | ng | | 97 |
| 83) Chrysene | 14.169 | 228 | 1223564 | 44.027 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.104 | 149 | 836240 | 43.529 | ng | # | 98 |
| 85) Di-n-octyl phthalate | 14.721 | 149 | 1272223 | 45.291 | ng | # | 93 |
| 87) Indeno(1,2,3-cd)pyrene | 17.215 | 276 | 1064578 | 48.265 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.204 | 252 | 1152666 | 50.756 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.239 | 252 | 1012714 | 44.962 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.592 | 252 | 1025927 | 55.580 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 17.239 | 278 | 920782 | 51.524 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.692 | 276 | 939013 | 51.253 | ng | | 98 |

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

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