Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111321\
Data File : BF126169.D
Acq On : 13 Nov 2021 15:22
Operator : JU/CG
Sample : PB140745BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 15 09:57:24 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 15 08:09:33 2021
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB140745BS

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 11/15/2021
Supervised By :mohammad ahmed 11/17/2021

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.833 | 152 | 123953 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.122 | 136 | 465764 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.874 | 164 | 327319 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.357 | 188 | 582306 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.998 | 240 | 305866 | 20.000 | ng | # | 0.00 |
| 86) Perylene-d12 | 15.462 | 264 | 292466 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.451 | 112 | 923602 | 127.958 | ng | | 0.00 |
| 7) Phenol-d6 | 6.469 | 99 | 1015249 | 99.779 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.398 | 82 | 865056 | 87.590 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.663 | 330 | 508618 | 135.592 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.198 | 172 | 1688242 | 69.700 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.945 | 244 | 1888804 | 99.579 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.604 | 88 | 76164 | 25.377 | ng | # | 100 |
| 3) Pyridine | 3.357 | 79 | 199631 | 24.718 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.298 | 42 | 212227 | 37.473 | ng | # | 89 |
| 6) Aniline | 6.492 | 93 | 488410 | 43.531 | ng | # | 86 |
| 8) 2-Chlorophenol | 6.616 | 128 | 352370 | 45.686 | ng | | 83 |
| 9) Benzaldehyde | 6.381 | 77 | 197999 | 31.346 | ng | | 90 |
| 10) Phenol | 6.481 | 94 | 429069 | 41.241 | ng | # | 68 |
| 11) bis(2-Chloroethyl)ether | 6.569 | 93 | 328038 | 43.288 | ng | | 88 |
| 12) 1,3-Dichlorobenzene | 6.775 | 146 | 396529 | 45.141 | ng | # | 94 |
| 13) 1,4-Dichlorobenzene | 6.851 | 146 | 401199 | 44.790 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 7.004 | 146 | 387146 | 44.862 | ng | | 98 |
| 15) Benzyl Alcohol | 6.975 | 79 | 371139 | 42.711 | ng | | 91 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.110 | 45 | 520238 | 37.335 | ng | | 91 |
| 17) 2-Methylphenol | 7.086 | 107 | 296417 | 45.158 | ng | # | 89 |
| 18) Hexachloroethane | 7.345 | 117 | 136328 | 40.511 | ng | # | 87 |
| 19) n-Nitroso-di-n-propyla... | 7.251 | 70 | 286473 | 42.707 | ng | # | 81 |
| 20) 3+4-Methylphenols | 7.245 | 107 | 384555 | 43.334 | ng | # | 63 |
| 22) Acetophenone | 7.245 | 105 | 559578 | 41.597 | ng | # | 82 |
| 24) Nitrobenzene | 7.416 | 77 | 441549 | 45.140 | ng | # | 81 |
| 25) Isophorone | 7.663 | 82 | 720150 | 40.500 | ng | # | 88 |
| 26) 2-Nitrophenol | 7.733 | 139 | 179455 | 51.485 | ng | # | 65 |
| 27) 2,4-Dimethylphenol | 7.775 | 122 | 305493 | 47.122 | ng | # | 77 |
| 28) bis(2-Chloroethoxy)met... | 7.869 | 93 | 331135 | 31.580 | ng | # | 96 |
| 29) 2,4-Dichlorophenol | 7.975 | 162 | 325743 | 44.514 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 8.057 | 180 | 375197 | 42.050 | ng | | 97 |
| 31) Naphthalene | 8.139 | 128 | 1031799 | 42.770 | ng | | 98 |
| 32) Benzoic acid | 7.904 | 122 | 141953 | 37.718 | ng | # | 70 |
| 33) 4-Chloroaniline | 8.186 | 127 | 389276 | 40.374 | ng | # | 88 |
| 34) Hexachlorobutadiene | 8.257 | 225 | 259593 | 42.264 | ng | | 100 |
| 35) Caprolactam | 8.563 | 113 | 69135m | 33.926 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.675 | 107 | 286175 | 33.913 | ng | | 89 |
| 37) 2-Methylnaphthalene | 8.833 | 142 | 595144 | 35.719 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.933 | 142 | 544946 | 33.765 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.998 | 216 | 334607 | 30.504 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 8.986 | 237 | 416234 | 73.030 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.110 | 196 | 255217 | 38.421 | ng | | 97 |

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| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 44) | 2,4,5-Trichlorophenol | 9.151 | 196 | 282490 | 39.365 | ng | | 95 |
| 46) | 1,1'-Biphenyl | 9.298 | 154 | 883775 | 34.932 | ng | | 99 |
| 47) | 2-Chloronaphthalene | 9.322 | 162 | 743449 | 37.334 | ng | | 98 |
| 48) | 2-Nitroaniline | 9.416 | 65 | 258369 | 40.163 | ng | # | 79 |
| 49) | Acenaphthylene | 9.739 | 152 | 1270265 | 42.180 | ng | | 99 |
| 50) | Dimethylphthalate | 9.598 | 163 | 955759 | 40.107 | ng | | 98 |
| 51) | 2,6-Dinitrotoluene | 9.657 | 165 | 206661 | 50.595 | ng | # | 68 |
| 52) | Acenaphthene | 9.910 | 154 | 773702 | 40.733 | ng | | 96 |
| 53) | 3-Nitroaniline | 9.827 | 138 | 185155 | 44.217 | ng | # | 64 |
| 54) | 2,4-Dinitrophenol | 9.933 | 184 | 219069 | 94.097 | ng | # | 86 |
| 55) | Dibenzofuran | 10.080 | 168 | 1164187 | 40.714 | ng | | 97 |
| 56) | 4-Nitrophenol | 9.992 | 139 | 289057 | 87.467 | ng | # | 50 |
| 57) | 2,4-Dinitrotoluene | 10.063 | 165 | 290689 | 49.311 | ng | # | 88 |
| 58) | Fluorene | 10.421 | 166 | 925482 | 40.316 | ng | | 99 |
| 59) | 2,3,4,6-Tetrachlorophenol | 10.198 | 232 | 263817 | 43.414 | ng | # | 88 |
| 60) | Diethylphthalate | 10.298 | 149 | 956684 | 40.033 | ng | | 98 |
| 61) | 4-Chlorophenyl-phenyle... | 10.416 | 204 | 494582 | 40.285 | ng | | 87 |
| 62) | 4-Nitroaniline | 10.445 | 138 | 191915 | 43.943 | ng | | 83 |
| 63) | Azobenzene | 10.574 | 77 | 922895 | 35.566 | ng | | 92 |
| 65) | 4,6-Dinitro-2-methylph... | 10.474 | 198 | 140944 | 49.877 | ng | | 83 |
| 66) | n-Nitrosodiphenylamine | 10.533 | 169 | 757758 | 40.863 | ng | | 96 |
| 67) | 4-Bromophenyl-phenylether | 10.904 | 248 | 297124 | 42.127 | ng | | 97 |
| 68) | Hexachlorobenzene | 10.974 | 284 | 323296 | 43.879 | ng | # | 83 |
| 69) | Atrazine | 11.063 | 200 | 288051 | 43.916 | ng | | 91 |
| 70) | Pentachlorophenol | 11.168 | 266 | 356524 | 89.800 | ng | | 94 |
| 71) | Phenanthrene | 11.386 | 178 | 1292603 | 40.933 | ng | | 97 |
| 72) | Anthracene | 11.439 | 178 | 1352245 | 42.891 | ng | | 99 |
| 73) | Carbazole | 11.592 | 167 | 1091055 | 37.313 | ng | | 99 |
| 74) | Di-n-butylphthalate | 11.921 | 149 | 1328210 | 38.983 | ng | # | 99 |
| 75) | Fluoranthene | 12.574 | 202 | 1312905 | 37.335 | ng | | 95 |
| 77) | Benzidine | 12.692 | 184 | 807920m | 79.016 | ng | | |
| 78) | Pyrene | 12.804 | 202 | 1286046 | 52.430 | ng | | 98 |
| 80) | Butylbenzylphthalate | 13.421 | 149 | 356336 | 39.882 | ng | | 90 |
| 81) | Benzo(a)anthracene | 13.992 | 228 | 885141 | 42.125 | ng | | 99 |
| 82) | 3,3'-Dichlorobenzidine | 13.951 | 252 | 273442 | 44.595 | ng | # | 99 |
| 83) | Chrysene | 14.027 | 228 | 835270 | 42.721 | ng | | 98 |
| 84) | Bis(2-ethylhexyl)phtha... | 13.986 | 149 | 449122 | 36.269 | ng | # | 99 |
| 85) | Di-n-octyl phthalate | 14.598 | 149 | 643219 | 36.560 | ng | # | 97 |
| 87) | Indeno(1,2,3-cd)pyrene | 16.927 | 276 | 1035708 | 59.829 | ng | # | 83 |
| 88) | Benzo(b)fluoranthene | 15.039 | 252 | 799873 | 42.046 | ng | # | 93 |
| 89) | Benzo(k)fluoranthene | 15.068 | 252 | 783604 | 42.463 | ng | # | 96 |
| 90) | Benzo(a)pyrene | 15.403 | 252 | 784497 | 52.344 | ng | # | 93 |
| 91) | Dibenzo(a,h)anthracene | 16.945 | 278 | 885258 | 62.263 | ng | # | 90 |
| 92) | Benzo(g,h,i)perylene | 17.368 | 276 | 864475 | 63.397 | ng | # | 81 |

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

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