Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123021\
Data File : BF126411.D
Acq On : 30 Dec 2021 10:25
Operator : JU/CG
Sample : PB141738BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 30 13:24:26 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 30 04:30:49 2021
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB141738BS

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/31/2021

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.798 | 152 | 157156 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.080 | 136 | 678110 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.839 | 164 | 304973 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.321 | 188 | 477502 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.957 | 240 | 258700 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.398 | 264 | 240848 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.422 | 112 | 1272261 | 116.257 | ng | | 0.02 |
| 7) Phenol-d6 | 6.434 | 99 | 1658000 | 116.973 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.363 | 82 | 1124202 | 85.124 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.627 | 330 | 298176 | 126.525 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.163 | 172 | 1352274 | 78.028 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.910 | 244 | 1173884 | 88.163 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.598 | 88 | 216998 | 39.542 | ng | | 100 |
| 3) Pyridine | 3.328 | 79 | 496965 | 33.572 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.269 | 42 | 290130 | 47.671 | ng | | 91 |
| 6) Aniline | 6.457 | 93 | 468880 | 26.603 | ng | | 100 |
| 8) 2-Chlorophenol | 6.581 | 128 | 526294 | 48.224 | ng | | 99 |
| 9) Benzaldehyde | 6.345 | 77 | 392585 | 44.741 | ng | | 100 |
| 10) Phenol | 6.445 | 94 | 683509 | 43.211 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.534 | 93 | 577175 | 47.787 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.739 | 146 | 482968 | 44.285 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.816 | 146 | 487974 | 44.826 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.969 | 146 | 473711 | 44.661 | ng | | 98 |
| 15) Benzyl Alcohol | 6.939 | 79 | 485079 | 48.913 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.075 | 45 | 917356 | 48.361 | ng | | 98 |
| 17) 2-Methylphenol | 7.057 | 107 | 445755 | 46.433 | ng | | 99 |
| 18) Hexachloroethane | 7.310 | 117 | 201802 | 46.528 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.216 | 70 | 374008 | 46.241 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.210 | 107 | 476265 | 41.671 | ng | # | 88 |
| 22) Acetophenone | 7.210 | 105 | 689427 | 43.978 | ng | | 95 |
| 24) Nitrobenzene | 7.381 | 77 | 610688 | 46.210 | ng | | 99 |
| 25) Isophorone | 7.622 | 82 | 1093504 | 46.253 | ng | | 99 |
| 26) 2-Nitrophenol | 7.698 | 139 | 270586 | 46.186 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 7.739 | 122 | 460136 | 50.230 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.833 | 93 | 693496 | 44.903 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.939 | 162 | 367874 | 43.980 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.022 | 180 | 379635 | 43.548 | ng | | 98 |
| 31) Naphthalene | 8.104 | 128 | 1410355 | 44.064 | ng | | 99 |
| 32) Benzoic acid | 7.875 | 122 | 259102 | 40.317 | ng | | 97 |
| 33) 4-Chloroaniline | 8.151 | 127 | 137739 | 10.272 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.222 | 225 | 178801 | 42.198 | ng | | 95 |
| 35) Caprolactam | 8.527 | 113 | 146740m | 68.960 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.639 | 107 | 467330 | 45.780 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.798 | 142 | 870086 | 46.082 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.892 | 142 | 809234 | 44.330 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.963 | 216 | 286914 | 43.294 | ng | | 97 |
| 41) Hexachlorocyclopentadiene | 8.951 | 237 | 311352 | 115.395 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.075 | 196 | 214470 | 43.761 | ng | | 94 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.116 | 196 | 222694 | 42.214 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.263 | 154 | 996338 | 44.543 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.286 | 162 | 739078 | 43.624 | ng | | 98 |
| 48) 2-Nitroaniline | 9.380 | 65 | 311389 | 45.515 | ng | | 97 |
| 49) Acenaphthylene | 9.698 | 152 | 1148550 | 44.699 | ng | | 99 |
| 50) Dimethylphthalate | 9.563 | 163 | 846758 | 44.475 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.622 | 165 | 194578 | 47.324 | ng | | 87 |
| 52) Acenaphthene | 9.874 | 154 | 787538m | 46.750 | ng | | |
| 53) 3-Nitroaniline | 9.786 | 138 | 102367 | 18.158 | ng | | 100 |
| 54) 2,4-Dinitrophenol | 9.898 | 184 | 170185 | 80.516 | ng | | 98 |
| 55) Dibenzofuran | 10.045 | 168 | 962589 | 42.269 | ng | | 97 |
| 56) 4-Nitrophenol | 9.957 | 139 | 357643 | 89.202 | ng | | 95 |
| 57) 2,4-Dinitrotoluene | 10.027 | 165 | 262155 | 49.419 | ng | | 98 |
| 58) Fluorene | 10.386 | 166 | 691470 | 42.944 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.163 | 232 | 168674 | 44.548 | ng | | 99 |
| 60) Diethylphthalate | 10.263 | 149 | 836909 | 45.611 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.380 | 204 | 295292 | 42.024 | ng | | 93 |
| 62) 4-Nitroaniline | 10.404 | 138 | 226706 | 42.699 | ng | | 98 |
| 63) Azobenzene | 10.539 | 77 | 1072137 | 45.363 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.433 | 198 | 115457 | 44.650 | ng | # | 74 |
| 66) n-Nitrosodiphenylamine | 10.498 | 169 | 650621 | 43.918 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.869 | 248 | 188072 | 44.374 | ng | | 98 |
| 68) Hexachlorobenzene | 10.933 | 284 | 224785 | 45.596 | ng | | 97 |
| 69) Atrazine | 11.027 | 200 | 196952 | 77.207 | ng | | 97 |
| 70) Pentachlorophenol | 11.127 | 266 | 216854 | 90.502 | ng | | 100 |
| 71) Phenanthrene | 11.345 | 178 | 1073046 | 43.955 | ng | | 100 |
| 72) Anthracene | 11.398 | 178 | 1099965 | 45.031 | ng | | 99 |
| 73) Carbazole | 11.551 | 167 | 1018804 | 42.593 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.886 | 149 | 1234408 | 45.329 | ng | | 99 |
| 75) Fluoranthene | 12.533 | 202 | 996349 | 44.718 | ng | | 99 |
| 77) Benzidine | 12.651 | 184 | 325426 | 78.497 | ng | | 99 |
| 78) Pyrene | 12.763 | 202 | 1006925 | 46.057 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.386 | 149 | 469079 | 48.420 | ng | | 93 |
| 81) Benzo(a)anthracene | 13.951 | 228 | 645843 | 43.410 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.910 | 252 | 91413 | 13.170 | ng | | 98 |
| 83) Chrysene | 13.986 | 228 | 696597 | 45.646 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.945 | 149 | 479783 | 47.788 | ng | | 98 |
| 85) Di-n-octyl phthalate | 14.557 | 149 | 916723 | 52.649 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.821 | 276 | 746442 | 46.309 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 14.986 | 252 | 689084 | 48.028 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 15.015 | 252 | 623636 | 44.870 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.339 | 252 | 658764 | 54.759 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.839 | 278 | 619161 | 47.604 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.250 | 276 | 651825 | 47.064 | ng | | 99 |

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

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