Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032321\
Data File : BF123408.D
Acq On : 23 Mar 2021 17:40
Operator : JU/CG
Sample : PB135297BSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB135297BSD

**Manual Integrations APPROVED**
mohammad
3/24/2021 1:33:10 PM

Quant Time: Mar 23 18:53:30 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 23 15:58:35 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.916 | 152 | 220736 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.198 | 136 | 871561 | 20.00 | ng | | # 0.00 |
| 39) Acenaphthene-d10 | 9.963 | 164 | 502516 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.457 | 188 | 942212 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.110 | 240 | 692321 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.609 | 264 | 561751 | 20.00 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.534 | 112 | 1160339 | 86.00 | ng | | 0.01 |
| 7) Phenol-d6 | 6.534 | 99 | 1514836 | 84.34 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.475 | 82 | 1207247 | 74.76 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.757 | 330 | 494884 | 88.09 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.280 | 172 | 2234237 | 63.52 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.045 | 244 | 2544939 | 62.30 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.810 | 88 | 267368 | 41.20 | ng | # | 67 |
| 3) Pyridine | 3.557 | 79 | 721170 | 42.26 | ng | # | 60 |
| 4) n-Nitrosodimethylamine | 3.510 | 42 | 457408 | 44.80 | ng | # | 65 |
| 6) Aniline | 6.575 | 93 | 787279 | 35.82 | ng | | 93 |
| 8) 2-Chlorophenol | 6.698 | 128 | 669327 | 44.99 | ng | | 87 |
| 9) Benzaldehyde | 6.463 | 77 | 208447 | 20.52 | ng | | 99 |
| 10) Phenol | 6.551 | 94 | 848070 | 46.00 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 6.651 | 93 | 666755 | 45.36 | ng | | 84 |
| 12) 1,3-Dichlorobenzene | 6.857 | 146 | 705981m | 43.97 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.934 | 146 | 707703 | 44.08 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.086 | 146 | 682966 | 45.79 | ng | | 98 |
| 15) Benzyl Alcohol | 7.051 | 79 | 637798 | 45.35 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.186 | 45 | 1506562 | 45.66 | ng | | 85 |
| 17) 2-Methylphenol | 7.163 | 107 | 583705 | 47.72 | ng | | 99 |
| 18) Hexachloroethane | 7.434 | 117 | 276615 | 45.98 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.328 | 70 | 525040 | 45.19 | ng | # | 72 |
| 20) 3+4-Methylphenols | 7.310 | 107 | 702857 | 46.13 | ng | # | 82 |
| 22) Acetophenone | 7.322 | 105 | 929751 | 42.49 | ng | # | 89 |
| 24) Nitrobenzene | 7.498 | 77 | 774241 | 43.37 | ng | | 97 |
| 25) Isophorone | 7.739 | 82 | 1444517 | 41.61 | ng | | 98 |
| 26) 2-Nitrophenol | 7.810 | 139 | 337020 | 52.81 | ng | # | 86 |
| 27) 2,4-Dimethylphenol | 7.845 | 122 | 666478 | 46.96 | ng | | 97 |
| 28) bis(2-Chloroethoxy)met... | 7.945 | 93 | 885188 | 47.31 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.051 | 162 | 611161 | 43.88 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.139 | 180 | 634650 | 41.77 | ng | | 99 |
| 31) Naphthalene | 8.222 | 128 | 1929460 | 41.18 | ng | | 99 |
| 32) Benzoic acid | 7.969 | 122 | 469318 | 56.05 | ng | | 96 |
| 33) 4-Chloroaniline | 8.263 | 127 | 465589 | 24.22 | ng | # | 94 |
| 34) Hexachlorobutadiene | 8.345 | 225 | 372593 | 40.20 | ng | | 97 |
| 35) Caprolactam | 8.639 | 113 | 187167m | 44.68 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.745 | 107 | 670244 | 45.85 | ng | | 94 |
| 37) 2-Methylnaphthalene | 8.916 | 142 | 1365531 | 42.51 | ng | | 100 |
| 38) 1-Methylnaphthalene | 9.016 | 142 | 1287800 | 42.70 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 9.080 | 216 | 591964 | 39.59 | ng | # | 98 |
| 41) Hexachlorocyclopentadiene | 9.075 | 237 | 787027 | 94.27 | ng | | 96 |
| 43) 2,4,6-Trichlorophenol | 9.192 | 196 | 453193 | 43.28 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.227 | 196 | 470631 | 42.78 | ng | | 97 |
| 46) 1,1'-Biphenyl | 9.380 | 154 | 1623975 | 41.94 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.404 | 162 | 1262766 | 39.97 | ng | | 99 |
| 48) 2-Nitroaniline | 9.498 | 65 | 479847 | 50.05 | ng | # | 74 |
| 49) Acenaphthylene | 9.827 | 152 | 2018746 | 40.85 | ng | | 99 |
| 50) Dimethylphthalate | 9.686 | 163 | 1574965 | 44.13 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.745 | 165 | 351067 | 47.09 | ng | # | 82 |
| 52) Acenaphthene | 9.998 | 154 | 1422631 | 46.12 | ng | | 99 |
| 53) 3-Nitroaniline | 9.910 | 138 | 269361 | 34.21 | ng | | 86 |
| 54) 2,4-Dinitrophenol | 10.016 | 184 | 347660 | 96.04 | ng | # | 81 |
| 55) Dibenzofuran | 10.174 | 168 | 1795522 | 40.49 | ng | | 100 |
| 56) 4-Nitrophenol | 10.069 | 139 | 612791 | 96.50 | ng | # | 62 |
| 57) 2,4-Dinitrotoluene | 10.151 | 165 | 464531 | 49.92 | ng | # | 89 |
| 58) Fluorene | 10.516 | 166 | 1376054 | 41.10 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.286 | 232 | 407824 | 45.41 | ng | | 93 |
| 60) Diethylphthalate | 10.392 | 149 | 1556746 | 44.68 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.504 | 204 | 699217 | 42.73 | ng | | 95 |
| 62) 4-Nitroaniline | 10.533 | 138 | 366588 | 49.13 | ng | | 94 |
| 63) Azobenzene | 10.669 | 77 | 1589308 | 41.45 | ng | | 91 |
| 65) 4,6-Dinitro-2-methylph... | 10.557 | 198 | 239124 | 47.27 | ng | # | 68 |
| 66) n-Nitrosodiphenylamine | 10.627 | 169 | 1269781 | 40.22 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.998 | 248 | 475667 | 42.62 | ng | | 98 |
| 68) Hexachlorobenzene | 11.069 | 284 | 512340 | 41.66 | ng | | 94 |
| 69) Atrazine | 11.157 | 200 | 401936 | 40.06 | ng | | 98 |
| 70) Pentachlorophenol | 11.257 | 266 | 630526 | 85.92 | ng | | 99 |
| 71) Phenanthrene | 11.480 | 178 | 2101678 | 40.35 | ng | | 99 |
| 72) Anthracene | 11.533 | 178 | 2150456 | 41.05 | ng | | 99 |
| 73) Carbazole | 11.686 | 167 | 1939017 | 39.17 | ng | | 99 |
| 74) Di-n-butylphthalate | 12.021 | 149 | 2483395 | 44.07 | ng | | 99 |
| 75) Fluoranthene | 12.674 | 202 | 2301398 | 40.81 | ng | | 98 |
| 77) Benzidine | 12.786 | 184 | 912508 | 44.25 | ng | | 99 |
| 78) Pyrene | 12.904 | 202 | 2349256 | 39.34 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.521 | 149 | 1029581 | 46.48 | ng | | 90 |
| 81) Benzo(a)anthracene | 14.098 | 228 | 1810661 | 39.96 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.057 | 252 | 459403 | 31.17 | ng | | 100 |
| 83) Chrysene | 14.133 | 228 | 1873993 | 40.06 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.086 | 149 | 1363738 | 46.77 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.709 | 149 | 2406833 | 52.22 | ng | # | 87 |
| 87) Indeno(1,2,3-cd)pyrene | 17.133 | 276 | 1408268 | 40.34 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.168 | 252 | 1633369 | 42.15 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.204 | 252 | 1618315m | 44.17 | ng | | |
| 90) Benzo(a)pyrene | 15.545 | 252 | 1412515 | 42.22 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.156 | 278 | 1182919 | 39.92 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.598 | 276 | 1139154 | 38.40 | ng | | 99 |

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

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