Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030121\
Data File : BF123327.D
Acq On : 1 Mar 2021 15:29
Operator : JU/CG
Sample : M1509-01MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
BU-02-022621MSD

**Manual Integrations APPROVED**
mohammad
3/2/2021 9:43:02 AM

Quant Time: Mar 01 15:58:28 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 19 16:08:53 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.857 | 152 | 278401 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.139 | 136 | 1115028 | 20.00 | ng | | # 0.00 |
| 39) Acenaphthene-d10 | 9.904 | 164 | 570979 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.392 | 188 | 1022782 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.051 | 240 | 657350 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.521 | 264 | 618083 | 20.00 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.522 | 112 | 2085088 | 107.80 | ng | | 0.05 |
| 7) Phenol-d6 | 6.516 | 99 | 2723948 | 103.67 | ng | | 0.02 |
| 23) Nitrobenzene-d5 | 7.428 | 82 | 1908883 | 78.37 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.704 | 330 | 667225 | 114.76 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.222 | 172 | 2831613 | 71.24 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.986 | 244 | 2486734 | 72.74 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.952 | 88 | 344132m | 30.83 | ng | | |
| 3) Pyridine | 3.651 | 79 | 944898 | 34.74 | ng | | 93 |
| 4) n-Nitrosodimethylamine | 3.628 | 42 | 516028 | 41.03 | ng | | 82 |
| 6) Aniline | 6.528 | 93 | 788002 | 25.39 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.651 | 128 | 948780 | 45.66 | ng | | 92 |
| 9) Benzaldehyde | 6.410 | 77 | 340969 | 21.82 | ng | | 91 |
| 10) Phenol | 6.528 | 94 | 1251021 | 43.69 | ng | | 86 |
| 11) bis(2-Chloroethyl)ether | 6.598 | 93 | 981255 | 47.77 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 6.798 | 146 | 946233 | 43.78 | ng | # | 93 |
| 13) 1,4-Dichlorobenzene | 6.875 | 146 | 959217 | 43.54 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 7.028 | 146 | 907952m | 44.31 | ng | | |
| 15) Benzyl Alcohol | 7.010 | 79 | 935710 | 45.67 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.134 | 45 | 1183576 | 42.01 | ng | | 72 |
| 17) 2-Methylphenol | 7.128 | 107 | 788539 | 45.12 | ng | # | 85 |
| 18) Hexachloroethane | 7.369 | 117 | 384112 | 48.27 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.287 | 70 | 730606 | 46.74 | ng | | 95 |
| 20) 3+4-Methylphenols | 7.281 | 107 | 952982 | 41.52 | ng | | 91 |
| 22) Acetophenone | 7.275 | 105 | 1336833 | 46.22 | ng | # | 88 |
| 24) Nitrobenzene | 7.445 | 77 | 1115846 | 43.45 | ng | | 91 |
| 25) Isophorone | 7.687 | 82 | 2040841 | 44.81 | ng | | 96 |
| 26) 2-Nitrophenol | 7.757 | 139 | 512501 | 47.64 | ng | # | 85 |
| 27) 2,4-Dimethylphenol | 7.804 | 122 | 842291 | 50.58 | ng | | 95 |
| 28) bis(2-Chloroethoxy)met... | 7.892 | 93 | 1191983 | 50.00 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.004 | 162 | 763912 | 44.43 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 8.081 | 180 | 839229 | 44.89 | ng | | 99 |
| 31) Naphthalene | 8.163 | 128 | 2640535 | 43.21 | ng | | 98 |
| 32) Benzoic acid | 7.981 | 122 | 621236 | 50.57 | ng | | 86 |
| 33) 4-Chloroaniline | 8.210 | 127 | 347182 | 13.96 | ng | # | 93 |
| 34) Hexachlorobutadiene | 8.281 | 225 | 471718 | 44.73 | ng | | 99 |
| 35) Caprolactam | 8.628 | 113 | 284374m | 49.29 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.710 | 107 | 932899 | 45.64 | ng | | 89 |
| 37) 2-Methylnaphthalene | 8.857 | 142 | 1797285 | 44.15 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.957 | 142 | 1672747 | 43.94 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.022 | 216 | 791721 | 46.40 | ng | # | 97 |
| 41) Hexachlorocyclopentadiene | 9.010 | 237 | 704781 | 88.17 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.139 | 196 | 577363 | 47.71 | ng | | 93 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.192 | 196 | 503692 | 38.90 | ng | | 93 |
| 46) 1,1'-Biphenyl | 9.322 | 154 | 2125779 | 44.88 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.351 | 162 | 1613870 | 43.18 | ng | | 99 |
| 48) 2-Nitroaniline | 9.451 | 65 | 621809 | 46.44 | ng | # | 79 |
| 49) Acenaphthylene | 9.769 | 152 | 2392344 | 42.20 | ng | | 98 |
| 50) Dimethylphthalate | 9.633 | 163 | 2039538 | 47.77 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.692 | 165 | 470322 | 47.79 | ng | # | 68 |
| 52) Acenaphthene | 9.939 | 154 | 1862833m | 47.66 | ng | | |
| 53) 3-Nitroaniline | 9.863 | 138 | 275841 | 25.26 | ng | # | 79 |
| 54) 2,4-Dinitrophenol | 9.975 | 184 | 438870 | 84.90 | ng | # | 82 |
| 55) Dibenzofuran | 10.116 | 168 | 2205641 | 41.68 | ng | | 97 |
| 56) 4-Nitrophenol | 10.045 | 139 | 719503 | 82.67 | ng | # | 64 |
| 57) 2,4-Dinitrotoluene | 10.104 | 165 | 575131 | 43.46 | ng | # | 75 |
| 58) Fluorene | 10.457 | 166 | 1789758 | 42.98 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.233 | 232 | 435317 | 42.14 | ng | # | 84 |
| 60) Diethylphthalate | 10.333 | 149 | 1945955 | 46.02 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.445 | 204 | 857667 | 43.26 | ng | | 96 |
| 62) 4-Nitroaniline | 10.492 | 138 | 431890 | 39.28 | ng | | 85 |
| 63) Azobenzene | 10.610 | 77 | 2237911 | 45.94 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylph... | 10.516 | 198 | 306152 | 44.47 | ng | | 84 |
| 66) n-Nitrosodiphenylamine | 10.569 | 169 | 1573932 | 44.50 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.939 | 248 | 521722 | 46.79 | ng | | 98 |
| 68) Hexachlorobenzene | 11.010 | 284 | 548179 | 46.67 | ng | | 99 |
| 69) Atrazine | 11.104 | 200 | 419790 | 37.56 | ng | | 98 |
| 70) Pentachlorophenol | 11.210 | 266 | 659228 | 88.88 | ng | | 99 |
| 71) Phenanthrene | 11.427 | 178 | 2992930 | 49.48 | ng | | 100 |
| 72) Anthracene | 11.475 | 178 | 2599772 | 43.08 | ng | | 100 |
| 73) Carbazole | 11.627 | 167 | 2311970 | 40.68 | ng | | 98 |
| 74) Di-n-butylphthalate | 11.957 | 149 | 2855585 | 44.94 | ng | | 98 |
| 75) Fluoranthene | 12.621 | 202 | 3192083 | 49.79 | ng | | 99 |
| 77) Benzidine | 12.739 | 184 | 812108 | 38.25 | ng | | 99 |
| 78) Pyrene | 12.851 | 202 | 3005960 | 58.57 | ng | | 98 |
| 80) Butylbenzylphthalate | 13.463 | 149 | 1191372 | 54.92 | ng | | 93 |
| 81) Benzo(a)anthracene | 14.039 | 228 | 2222711 | 49.75 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 14.004 | 252 | 452651 | 30.48 | ng | | 100 |
| 83) Chrysene | 14.080 | 228 | 2083163 | 47.48 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 14.021 | 149 | 1598031 | 53.51 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.639 | 149 | 2452634 | 48.07 | ng | | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 17.033 | 276 | 2258286 | 52.87 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 15.098 | 252 | 2470205 | 56.90 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.127 | 252 | 1594123 | 40.50 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.468 | 252 | 1873281 | 48.39 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.051 | 278 | 1775794 | 48.46 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.486 | 276 | 1879482 | 55.68 | ng | | 99 |

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

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