Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071921\
Data File : BF124613.D
Acq On : 19 Jul 2021 14:44
Operator : JU/CG
Sample : PB137725BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB137725BS

**Manual Integrations APPROVED**
mohammad
7/20/2021 11:37:48 AM

Quant Time: Jul 19 15:12:40 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 19 11:33:09 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.916 | 152 | 11089 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.204 | 136 | 44643 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.963 | 164 | 25025 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.451 | 188 | 43329 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.092 | 240 | 28035 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.580 | 264 | 19717 | 20.00 | ng | | 0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.563 | 112 | 84554 | 132.11 | ng | | 0.03 |
| 7) Phenol-d6 | 6.551 | 99 | 99096 | 127.27 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.487 | 82 | 64315 | 90.94 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.757 | 330 | 26458 | 135.86 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.286 | 172 | 144607 | 84.26 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.039 | 244 | 140771 | 84.32 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.963 | 88 | 8933 | 41.76 | ng | # | 100 |
| 3) Pyridine | 3.675 | 79 | 20742 | 38.63 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.646 | 42 | 20895 | 47.88 | ng | # | 100 |
| 6) Aniline | 6.587 | 93 | 30150 | 36.75 | ng | | 96 |
| 8) 2-Chlorophenol | 6.704 | 128 | 35335 | 49.24 | ng | | 95 |
| 9) Benzaldehyde | 6.463 | 77 | 3349 | 7.33 | ng | | 92 |
| 10) Phenol | 6.563 | 94 | 38293 | 50.37 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 6.657 | 93 | 29926 | 50.78 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.857 | 146 | 36942 | 47.04 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 6.934 | 146 | 37699 | 47.00 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.087 | 146 | 36249 | 47.55 | ng | | 99 |
| 15) Benzyl Alcohol | 7.063 | 79 | 25241 | 46.85 | ng | | 91 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.192 | 45 | 51217 | 50.42 | ng | | 98 |
| 17) 2-Methylphenol | 7.169 | 107 | 26575 | 50.60 | ng | | 98 |
| 18) Hexachloroethane | 7.434 | 117 | 14417 | 47.73 | ng | # | 86 |
| 19) n-Nitroso-di-n-propyla... | 7.340 | 70 | 21324 | 48.71 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.322 | 107 | 33984 | 49.15 | ng | | 91 |
| 22) Acetophenone | 7.334 | 105 | 48044 | 47.42 | ng | | 96 |
| 24) Nitrobenzene | 7.504 | 77 | 31246 | 44.56 | ng | | 99 |
| 25) Isophorone | 7.745 | 82 | 57307 | 44.14 | ng | | 95 |
| 26) 2-Nitrophenol | 7.816 | 139 | 19660 | 51.97 | ng | # | 92 |
| 27) 2,4-Dimethylphenol | 7.851 | 122 | 33235 | 53.02 | ng | | 95 |
| 28) bis(2-Chloroethoxy)met... | 7.951 | 93 | 37789 | 49.90 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 8.057 | 162 | 30958 | 47.88 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.140 | 180 | 32733 | 45.75 | ng | | 97 |
| 31) Naphthalene | 8.228 | 128 | 103902 | 45.00 | ng | | 97 |
| 32) Benzoic acid | 8.004 | 122 | 23806m | 49.78 | ng | | |
| 33) 4-Chloroaniline | 8.269 | 127 | 18136 | 20.79 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.339 | 225 | 18744 | 46.41 | ng | | 96 |
| 35) Caprolactam | 8.675 | 113 | 9031m | 55.22 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.757 | 107 | 30020 | 46.96 | ng | | 94 |
| 37) 2-Methylnaphthalene | 8.916 | 142 | 71221 | 45.71 | ng | | 100 |
| 38) 1-Methylnaphthalene | 9.016 | 142 | 65802 | 44.97 | ng | | 97 |
| 40) 1,2,4,5-Tetrachloroben... | 9.081 | 216 | 31720 | 47.52 | ng | | 96 |
| 41) Hexachlorocyclopentadiene | 9.069 | 237 | 40245 | 96.53 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 9.192 | 196 | 22861 | 47.44 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.245 | 196 | 22109 | 44.49 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.386 | 154 | 85760 | 45.12 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.410 | 162 | 65720 | 44.10 | ng | | 99 |
| 48) 2-Nitroaniline | 9.504 | 65 | 17698 | 49.39 | ng | | 95 |
| 49) Acenaphthylene | 9.828 | 152 | 103766 | 44.62 | ng | | 99 |
| 50) Dimethylphthalate | 9.692 | 163 | 80375 | 46.16 | ng | | 97 |
| 51) 2,6-Dinitrotoluene | 9.751 | 165 | 17518 | 51.04 | ng | | 97 |
| 52) Acenaphthene | 9.998 | 154 | 65191 | 43.84 | ng | | 99 |
| 53) 3-Nitroaniline | 9.916 | 138 | 10962 | 28.62 | ng | | 91 |
| 54) 2,4-Dinitrophenol | 10.028 | 184 | 19161 | 106.98 | ng | | 90 |
| 55) Dibenzofuran | 10.175 | 168 | 95490 | 43.68 | ng | | 96 |
| 56) 4-Nitrophenol | 10.086 | 139 | 29637 | 92.97 | ng | | 95 |
| 57) 2,4-Dinitrotoluene | 10.157 | 165 | 23286 | 49.56 | ng | # | 92 |
| 58) Fluorene | 10.516 | 166 | 73002 | 43.17 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.286 | 232 | 17806 | 46.39 | ng | # | 96 |
| 60) Diethylphthalate | 10.392 | 149 | 83448 | 45.84 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 10.504 | 204 | 34394 | 44.81 | ng | | 96 |
| 62) 4-Nitroaniline | 10.545 | 138 | 17305 | 44.83 | ng | | 85 |
| 63) Azobenzene | 10.663 | 77 | 68502 | 43.05 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.563 | 198 | 11673 | 47.16 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 10.628 | 169 | 63943 | 45.32 | ng | | 96 |
| 67) 4-Bromophenyl-phenylether | 10.992 | 248 | 20102 | 44.87 | ng | # | 79 |
| 68) Hexachlorobenzene | 11.057 | 284 | 21822 | 47.54 | ng | | 98 |
| 69) Atrazine | 11.157 | 200 | 19704 | 45.60 | ng | | 94 |
| 70) Pentachlorophenol | 11.251 | 266 | 27810 | 95.78 | ng | | 95 |
| 71) Phenanthrene | 11.480 | 178 | 105024 | 44.43 | ng | | 100 |
| 72) Anthracene | 11.533 | 178 | 107522 | 45.34 | ng | | 99 |
| 73) Carbazole | 11.680 | 167 | 93854 | 42.83 | ng | | 99 |
| 74) Di-n-butylphthalate | 12.010 | 149 | 133367 | 45.18 | ng | | 100 |
| 75) Fluoranthene | 12.669 | 202 | 104886 | 43.98 | ng | | 97 |
| 77) Benzidine | 12.780 | 184 | 27630 | 26.36 | ng | | 97 |
| 78) Pyrene | 12.898 | 202 | 104197 | 44.73 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.510 | 149 | 50919 | 45.21 | ng | | 98 |
| 81) Benzo(a)anthracene | 14.080 | 228 | 80473 | 43.28 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 14.045 | 252 | 19806 | 40.67 | ng | | 97 |
| 83) Chrysene | 14.121 | 228 | 79569 | 44.67 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.063 | 149 | 71275 | 47.14 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.680 | 149 | 108359 | 49.53 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 17.098 | 276 | 61767 | 54.02 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 15.145 | 252 | 67067 | 47.39 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 15.180 | 252 | 64371 | 49.57 | ng | # | 96 |
| 90) Benzo(a)pyrene | 15.521 | 252 | 59091 | 50.58 | ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 17.121 | 278 | 51635 | 53.05 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 17.562 | 276 | 50676 | 53.33 | ng | | 93 |

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

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