Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061621\
Data File : BF124339.D
Acq On : 16 Jun 2021 11:04
Operator : JU/CG
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
mohammad
6/17/2021 12:15:48 PM

Quant Time: Jun 16 12:19:33 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 15 20:09:26 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.787 | 152 | 38734 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.069 | 136 | 148779 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.828 | 164 | 87958 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.316 | 188 | 153113 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.957 | 240 | 83235 | 20.000 | ng | | # 0.00 |
| 86) Perylene-d12 | 15.415 | 264 | 83594 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.410 | 112 | 215095 | 83.594 | ng | | 0.00 |
| 7) Phenol-d6 | 6.440 | 99 | 284535 | 82.268 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.357 | 82 | 296220 | 78.966 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.622 | 330 | 85972 | 68.990 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.151 | 172 | 552876 | 79.097 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.898 | 244 | 466043 | 76.874 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.481 | 88 | 44308 | 39.348 | ng | | 93 |
| 3) Pyridine | 3.216 | 79 | 115013 | 39.881 | ng | | 92 |
| 4) n-Nitrosodimethylamine | 3.181 | 42 | 66943 | 39.065 | ng | | 98 |
| 6) Aniline | 6.457 | 93 | 145041 | 36.715 | ng | # | 45 |
| 8) 2-Chlorophenol | 6.581 | 128 | 121889 | 42.572 | ng | | 93 |
| 9) Benzaldehyde | 6.340 | 77 | 52376 | 34.069 | ng | | 96 |
| 10) Phenol | 6.451 | 94 | 153525 | 41.074 | ng | # | 61 |
| 11) bis(2-Chloroethyl)ether | 6.528 | 93 | 116543 | 42.770 | ng | | 90 |
| 12) 1,3-Dichlorobenzene | 6.728 | 146 | 135659m | 40.530 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.804 | 146 | 135008 | 40.213 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 6.957 | 146 | 129991 | 40.474 | ng | | 98 |
| 15) Benzyl Alcohol | 6.939 | 79 | 115398 | 37.011 | ng | # | 89 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.063 | 45 | 156627 | 36.846 | ng | # | 29 |
| 17) 2-Methylphenol | 7.057 | 107 | 97935 | 42.078 | ng | # | 84 |
| 18) Hexachloroethane | 7.298 | 117 | 54568 | 41.272 | ng | # | 82 |
| 19) n-Nitroso-di-n-propyla... | 7.210 | 70 | 100125 | 41.009 | ng | # | 85 |
| 20) 3+4-Methylphenols | 7.210 | 107 | 131749 | 42.721 | ng | # | 89 |
| 22) Acetophenone | 7.204 | 105 | 169076 | 39.864 | ng | # | 96 |
| 24) Nitrobenzene | 7.375 | 77 | 148265 | 39.399 | ng | | 93 |
| 25) Isophorone | 7.616 | 82 | 257742 | 38.129 | ng | | 96 |
| 26) 2-Nitrophenol | 7.692 | 139 | 74374 | 44.243 | ng | # | 86 |
| 27) 2,4-Dimethylphenol | 7.734 | 122 | 95189 | 40.157 | ng | | 94 |
| 28) bis(2-Chloroethoxy)met... | 7.822 | 93 | 134315 | 40.079 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 7.939 | 162 | 112920 | 41.169 | ng | | 91 |
| 30) 1,2,4-Trichlorobenzene | 8.010 | 180 | 121139 | 39.409 | ng | | 92 |
| 31) Naphthalene | 8.092 | 128 | 349218 | 39.260 | ng | | 98 |
| 32) Benzoic acid | 7.881 | 122 | 53365 | 36.689 | ng | | 94 |
| 33) 4-Chloroaniline | 8.151 | 127 | 114726 | 34.676 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.210 | 225 | 84110 | 38.739 | ng | | 97 |
| 35) Caprolactam | 8.528 | 113 | 31292m | 41.527 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.639 | 107 | 115631 | 38.532 | ng | | 93 |
| 37) 2-Methylnaphthalene | 8.786 | 142 | 245672 | 39.384 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.886 | 142 | 230178 | 39.487 | ng | | 93 |
| 40) 1,2,4,5-Tetrachloroben... | 8.951 | 216 | 123481 | 39.623 | ng | # | 96 |
| 41) Hexachlorocyclopentadiene | 8.939 | 237 | 58419 | 38.938 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 9.069 | 196 | 77293 | 38.028 | ng | | 95 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.122 | 196 | 85362 | 39.123 | ng | # | 91 |
| 46) 1,1'-Biphenyl | 9.251 | 154 | 297377 | 40.051 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.275 | 162 | 236257 | 39.092 | ng | | 96 |
| 48) 2-Nitroaniline | 9.380 | 65 | 83769 | 38.408 | ng | | 92 |
| 49) Acenaphthylene | 9.692 | 152 | 350743 | 39.925 | ng | | 98 |
| 50) Dimethylphthalate | 9.557 | 163 | 274667 | 37.744 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.622 | 165 | 65066 | 38.995 | ng | # | 84 |
| 52) Acenaphthene | 9.863 | 154 | 223577 | 38.966 | ng | | 94 |
| 53) 3-Nitroaniline | 9.792 | 138 | 60253 | 38.583 | ng | # | 93 |
| 54) 2,4-Dinitrophenol | 9.910 | 184 | 28321m | 35.252 | ng | | |
| 55) Dibenzofuran | 10.033 | 168 | 351334 | 39.123 | ng | | 98 |
| 56) 4-Nitrophenol | 9.975 | 139 | 44703 | 40.055 | ng | | 82 |
| 57) 2,4-Dinitrotoluene | 10.028 | 165 | 87341 | 39.690 | ng | # | 89 |
| 58) Fluorene | 10.380 | 166 | 269265 | 39.062 | ng | | 94 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.157 | 232 | 64174 | 36.295 | ng | | 92 |
| 60) Diethylphthalate | 10.251 | 149 | 278588 | 37.933 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.369 | 204 | 131515 | 37.313 | ng | | 96 |
| 62) 4-Nitroaniline | 10.410 | 138 | 50281 | 32.022 | ng | # | 83 |
| 63) Azobenzene | 10.527 | 77 | 283465 | 37.027 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylph... | 10.439 | 198 | 41470 | 33.703 | ng | # | 69 |
| 66) n-Nitrosodiphenylamine | 10.492 | 169 | 230508 | 39.622 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 10.857 | 248 | 82589 | 39.298 | ng | | 95 |
| 68) Hexachlorobenzene | 10.927 | 284 | 90621 | 38.071 | ng | | 94 |
| 69) Atrazine | 11.022 | 200 | 56534 | 34.329 | ng | | 93 |
| 70) Pentachlorophenol | 11.127 | 266 | 37432m | 32.766 | ng | | |
| 71) Phenanthrene | 11.339 | 178 | 373068 | 39.005 | ng | | 98 |
| 72) Anthracene | 11.392 | 178 | 377397 | 39.179 | ng | | 98 |
| 73) Carbazole | 11.551 | 167 | 315863 | 37.628 | ng | | 96 |
| 74) Di-n-butylphthalate | 11.874 | 149 | 368540 | 34.162 | ng | | 98 |
| 75) Fluoranthene | 12.527 | 202 | 342229 | 34.087 | ng | | 97 |
| 77) Benzidine | 12.657 | 184 | 33173 | 19.715 | ng | # | 85 |
| 78) Pyrene | 12.757 | 202 | 331858 | 41.520 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.374 | 149 | 115315 | 35.566 | ng | | 98 |
| 81) Benzo(a)anthracene | 13.951 | 228 | 244307 | 40.291 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 13.910 | 252 | 69435 | 39.033 | ng | | 96 |
| 83) Chrysene | 13.986 | 228 | 236819 | 40.480 | ng | | 96 |
| 84) Bis(2-ethylhexyl)phtha... | 13.933 | 149 | 140924 | 36.538 | ng | | 97 |
| 85) Di-n-octyl phthalate | 14.545 | 149 | 243569 | 47.320 | ng | # | 91 |
| 87) Indeno(1,2,3-cd)pyrene | 16.874 | 276 | 280636 | 41.028 | ng | | 96 |
| 88) Benzo(b)fluoranthene | 14.998 | 252 | 252543 | 38.891 | ng | | 97 |
| 89) Benzo(k)fluoranthene | 15.021 | 252 | 228345 | 37.145 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.357 | 252 | 226241 | 40.112 | ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 16.880 | 278 | 234538 | 40.241 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.309 | 276 | 233475 | 40.492 | ng | | 98 |

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

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