Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122220\
Data File : BF122814.D
Acq On : 22 Dec 2020 14:34
Operator : JU/CG
Sample : L5155-01MSD 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TR-04-12-18-20MSD

**Manual Integrations APPROVED**
mohammad
12/23/2020 3:28:07 PM

Quant Time: Dec 22 15:08:11 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 15 18:14:23 2020
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.822 | 152 | 136913 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.104 | 136 | 504253 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.863 | 164 | 241681 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.345 | 188 | 395170 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.998 | 240 | 335696 | 20.00 | ng | | 0.01 |
| 86) Perylene-d12 | 15.462 | 264 | 287151 | 20.00 | ng | | 0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.434 | 112 | 363172 | 41.99 | ng | | 0.00 |
| 7) Phenol-d6 | 6.451 | 99 | 429042 | 37.41 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.381 | 82 | 262628 | 26.09 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.651 | 330 | 109885 | 34.74 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.181 | 172 | 481305 | 26.94 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.945 | 244 | 459593 | 23.96 | ng | | 0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.540 | 88 | 51354 | 12.63 | ng | | 99 |
| 3) Pyridine | 3.293 | 79 | 133746 | 12.45 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.216 | 42 | 56189 | 13.04 | ng | # | 99 |
| 6) Aniline | 6.481 | 93 | 78988 | 5.85 | ng | # | 91 |
| 8) 2-Chlorophenol | 6.604 | 128 | 142725 | 14.97 | ng | | 97 |
| 9) Benzaldehyde | 6.369 | 77 | 41017 | 5.91 | ng | | 94 |
| 10) Phenol | 6.463 | 94 | 179009 | 15.06 | ng | | 87 |
| 11) bis(2-Chloroethyl)ether | 6.551 | 93 | 135856 | 14.96 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.757 | 146 | 159187 | 14.11 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.834 | 146 | 163631 | 14.39 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.987 | 146 | 152400 | 13.88 | ng | | 99 |
| 15) Benzyl Alcohol | 6.963 | 79 | 109441 | 13.86 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.098 | 45 | 166522 | 12.86 | ng | | 95 |
| 17) 2-Methylphenol | 7.075 | 107 | 111795 | 14.75 | ng | | 98 |
| 18) Hexachloroethane | 7.334 | 117 | 45771 | 11.29 | ng | | 94 |
| 19) n-Nitroso-di-n-propyla... | 7.228 | 70 | 95968 | 14.61 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.234 | 107 | 143324 | 14.97 | ng | # | 85 |
| 22) Acetophenone | 7.228 | 105 | 197286 | 15.74 | ng | | 96 |
| 24) Nitrobenzene | 7.398 | 77 | 140562 | 14.04 | ng | | 99 |
| 25) Isophorone | 7.639 | 82 | 248760 | 14.35 | ng | | 99 |
| 26) 2-Nitrophenol | 7.722 | 139 | 59450 | 12.17 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 7.763 | 122 | 118872 | 16.61 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.851 | 93 | 164183 | 13.83 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.969 | 162 | 113536 | 13.58 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.045 | 180 | 127619 | 13.48 | ng | | 99 |
| 31) Naphthalene | 8.128 | 128 | 401635 | 14.43 | ng | | 99 |
| 32) Benzoic acid | 7.851 | 122 | 55513 | 9.73 | ng | | 97 |
| 33) 4-Chloroaniline | 8.181 | 127 | 64695 | 5.56 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.245 | 225 | 77140 | 13.23 | ng | | 99 |
| 35) Caprolactam | 8.522 | 113 | 37585 | 14.93 | ng | | 89 |
| 36) 4-Chloro-3-methylphenol | 8.663 | 107 | 110915 | 13.47 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.816 | 142 | 270174 | 14.68 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.916 | 142 | 243740 | 14.00 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.986 | 216 | 124589 | 15.56 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.098 | 196 | 77398 | 14.00 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 9.145 | 196 | 78991 | 13.82 | ng | | 96 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 46) 1,1'-Biphenyl | 9.281 | 154 | 313115 | 15.61 | ng | | 97 |
| 47) 2-Chloronaphthalene | 9.304 | 162 | 235880 | 14.19 | ng | | 99 |
| 48) 2-Nitroaniline | 9.404 | 65 | 68196 | 14.08 | ng | | 98 |
| 49) Acenaphthylene | 9.722 | 152 | 351409 | 14.32 | ng | | 98 |
| 50) Dimethylphthalate | 9.575 | 163 | 300483 | 15.57 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.639 | 165 | 51621 | 12.66 | ng | | 91 |
| 52) Acenaphthene | 9.892 | 154 | 210384 | 13.25 | ng | | 100 |
| 53) 3-Nitroaniline | 9.810 | 138 | 45019 | 9.56 | ng | | 91 |
| 55) Dibenzofuran | 10.063 | 168 | 320671 | 14.35 | ng | | 98 |
| 56) 4-Nitrophenol | 9.992 | 139 | 70206 | 20.90 | ng | | 95 |
| 57) 2,4-Dinitrotoluene | 10.051 | 165 | 63531 | 11.70 | ng | # | 88 |
| 58) Fluorene | 10.404 | 166 | 247988 | 13.96 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.186 | 232 | 61327 | 12.21 | ng | # | 95 |
| 60) Diethylphthalate | 10.275 | 149 | 269518 | 14.36 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.398 | 204 | 122751 | 14.03 | ng | | 98 |
| 62) 4-Nitroaniline | 10.422 | 138 | 57038 | 11.93 | ng | | 92 |
| 63) Azobenzene | 10.557 | 77 | 222317 | 12.88 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 10.516 | 169 | 217478 | 15.58 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 10.886 | 248 | 76342 | 14.26 | ng | | 99 |
| 68) Hexachlorobenzene | 10.963 | 284 | 80702 | 13.63 | ng | # | 90 |
| 69) Atrazine | 11.045 | 200 | 64269 | 14.17 | ng | | 100 |
| 70) Pentachlorophenol | 11.157 | 266 | 73774 | 23.52 | ng | | 98 |
| 71) Phenanthrene | 11.369 | 178 | 350285 | 14.92 | ng | | 99 |
| 72) Anthracene | 11.422 | 178 | 352836 | 15.15 | ng | | 98 |
| 73) Carbazole | 11.580 | 167 | 301185 | 14.26 | ng | | 98 |
| 74) Di-n-butylphthalate | 11.910 | 149 | 392739 | 14.80 | ng | | 99 |
| 75) Fluoranthene | 12.574 | 202 | 289203 | 11.74 | ng | | 95 |
| 77) Benzidine | 12.727 | 184 | 40607 | 5.59 | ng | # | 91 |
| 78) Pyrene | 12.839 | 202 | 383549m | 14.78 | ng | | |
| 80) Butylbenzylphthalate | 13.410 | 149 | 149421 | 12.78 | ng | | 96 |
| 81) Benzo(a)anthracene | 13.986 | 228 | 329232 | 14.68 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 13.945 | 252 | 74186 | 9.23 | ng | # | 98 |
| 83) Chrysene | 14.021 | 228 | 328389 | 14.71 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 13.968 | 149 | 232232 | 14.51 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.580 | 149 | 374100 | 14.09 | ng | # | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 16.921 | 276 | 271089 | 14.38 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.033 | 252 | 287967 | 14.29 | ng | | 96 |
| 89) Benzo(k)fluoranthene | 15.062 | 252 | 294383 | 15.98 | ng | | 94 |
| 90) Benzo(a)pyrene | 15.398 | 252 | 249020 | 14.13 | ng | # | 95 |
| 91) Dibenzo(a,h)anthracene | 16.933 | 278 | 222951 | 14.45 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 17.362 | 276 | 219244 | 14.68 | ng | | 99 |

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

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