Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122882.D
Acq On : 30 Dec 2020 16:58
Operator : JU/CG
Sample : L5242-03MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SAMPLE-2(484+26)MSD

**Manual Integrations APPROVED**
mohammad
12/31/2020 10:45:09 AM

Quant Time: Dec 30 17:44:16 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 | 117243 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.104 | 136 | 438792 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.863 | 164 | 221427 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.351 | 188 | 370595 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.998 | 240 | 294442 | 20.00 | ng | | 0.01 |
| 86) Perylene-d12 | 15.462 | 264 | 341965 | 20.00 | ng | | 0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.445 | 112 | 783353 | 105.78 | ng | | 0.01 |
| 7) Phenol-d6 | 6.463 | 99 | 944184 | 96.13 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.386 | 82 | 614193 | 70.13 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.657 | 330 | 283809 | 97.92 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.181 | 172 | 1065722 | 65.10 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.933 | 244 | 990088 | 58.86 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.604 | 88 | 134496 | 38.64 | ng | | 100 |
| 3) Pyridine | 3.357 | 79 | 377911 | 41.08 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.304 | 42 | 156486 | 42.41 | ng | | 95 |
| 6) Aniline | 6.487 | 93 | 255080 | 22.06 | ng | # | 87 |
| 8) 2-Chlorophenol | 6.610 | 128 | 395466 | 48.45 | ng | | 96 |
| 9) Benzaldehyde | 6.369 | 77 | 93556 | 15.74 | ng | | 97 |
| 10) Phenol | 6.481 | 94 | 460412 | 45.24 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 6.557 | 93 | 370231 | 47.62 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.763 | 146 | 446236 | 46.20 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.839 | 146 | 450319 | 46.24 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.992 | 146 | 422414 | 44.93 | ng | | 99 |
| 15) Benzyl Alcohol | 6.969 | 79 | 319349 | 47.22 | ng | | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.098 | 45 | 453449 | 40.90 | ng | | 86 |
| 17) 2-Methylphenol | 7.087 | 107 | 305703 | 47.11 | ng | | 95 |
| 18) Hexachloroethane | 7.334 | 117 | 153432 | 44.21 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.239 | 70 | 256859 | 45.66 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.239 | 107 | 377372 | 46.04 | ng | | 97 |
| 22) Acetophenone | 7.234 | 105 | 497694 | 45.62 | ng | # | 98 |
| 24) Nitrobenzene | 7.410 | 77 | 391957 | 44.99 | ng | | 97 |
| 25) Isophorone | 7.651 | 82 | 702199 | 46.55 | ng | | 98 |
| 26) 2-Nitrophenol | 7.728 | 139 | 213769 | 50.31 | ng | | 89 |
| 27) 2,4-Dimethylphenol | 7.769 | 122 | 334349 | 53.68 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.857 | 93 | 456505 | 44.19 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.969 | 162 | 331978 | 45.64 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.051 | 180 | 366003 | 44.41 | ng | | 99 |
| 31) Naphthalene | 8.128 | 128 | 1096179 | 45.27 | ng | | 100 |
| 32) Benzoic acid | 7.910 | 122 | 220521 | 44.44 | ng | | 100 |
| 33) 4-Chloroaniline | 8.181 | 127 | 106785 | 10.55 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.245 | 225 | 219957 | 43.37 | ng | | 99 |
| 35) Caprolactam | 8.563 | 113 | 93498m | 42.68 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.675 | 107 | 326327 | 45.55 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.822 | 142 | 729054 | 45.52 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.922 | 142 | 670291 | 44.24 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.986 | 216 | 350453 | 47.78 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.975 | 237 | 128336 | 39.58 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 9.104 | 196 | 225501 | 44.52 | ng | | 97 |

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Quant Time: Dec 30 17:44:16 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.151 | 196 | 238158 | 45.49 | ng | | 97 |
| 46) 1,1'-Biphenyl | 9.286 | 154 | 863769 | 47.00 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.310 | 162 | 682094 | 44.80 | ng | | 98 |
| 48) 2-Nitroaniline | 9.410 | 65 | 181142 | 40.81 | ng | | 96 |
| 49) Acenaphthylene | 9.728 | 152 | 1059648 | 47.12 | ng | | 99 |
| 50) Dimethylphthalate | 9.586 | 163 | 883654 | 49.97 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.651 | 165 | 175602 | 47.02 | ng | | 97 |
| 52) Acenaphthene | 9.898 | 154 | 616448 | 42.37 | ng | | 98 |
| 53) 3-Nitroaniline | 9.816 | 138 | 85581 | 19.83 | ng | | 93 |
| 54) 2,4-Dinitrophenol | 9.939 | 184 | 134327 | 73.56 | ng | # | 87 |
| 55) Dibenzofuran | 10.069 | 168 | 922586 | 45.08 | ng | | 100 |
| 56) 4-Nitrophenol | 9.998 | 139 | 219717 | 71.40 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 10.057 | 165 | 222695 | 44.76 | ng | | 99 |
| 58) Fluorene | 10.410 | 166 | 717642 | 44.08 | ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.192 | 232 | 200431 | 43.57 | ng | | 98 |
| 60) Diethylphthalate | 10.286 | 149 | 793398 | 46.13 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.404 | 204 | 356191 | 44.44 | ng | | 95 |
| 62) 4-Nitroaniline | 10.433 | 138 | 148878 | 33.99 | ng | | 97 |
| 63) Azobenzene | 10.563 | 77 | 689210 | 43.59 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylph... | 10.469 | 198 | 102241 | 45.24 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 10.522 | 169 | 631012 | 48.19 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.892 | 248 | 235777 | 46.95 | ng | | 93 |
| 68) Hexachlorobenzene | 10.963 | 284 | 246224 | 44.35 | ng | | 99 |
| 69) Atrazine | 11.051 | 200 | 175628 | 41.30 | ng | | 98 |
| 70) Pentachlorophenol | 11.163 | 266 | 246101 | 83.67 | ng | | 100 |
| 71) Phenanthrene | 11.374 | 178 | 1045906 | 47.49 | ng | | 98 |
| 72) Anthracene | 11.427 | 178 | 1095079 | 50.14 | ng | | 99 |
| 73) Carbazole | 11.580 | 167 | 901531 | 45.52 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.910 | 149 | 1194184 | 47.98 | ng | | 99 |
| 75) Fluoranthene | 12.569 | 202 | 1513386 | 65.53 | ng | | 99 |
| 77) Benzidine | 12.686 | 184 | 374728 | 58.84 | ng | | 99 |
| 78) Pyrene | 12.798 | 202 | 1503101 | 66.03 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.410 | 149 | 461388 | 45.00 | ng | | 95 |
| 81) Benzo(a)anthracene | 13.986 | 228 | 1232326 | 62.63 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.945 | 252 | 259897 | 36.88 | ng | | 97 |
| 83) Chrysene | 14.027 | 228 | 1300631 | 66.42 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.968 | 149 | 707450 | 50.38 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.580 | 149 | 1198814 | 51.47 | ng | | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 16.939 | 276 | 1467196 | 65.36 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.045 | 252 | 1726884 | 71.97 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 15.074 | 252 | 1194086 | 54.43 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.404 | 252 | 1237086 | 58.93 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.951 | 278 | 1059683 | 57.68 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.380 | 276 | 1248291 | 70.21 | ng | | 99 |

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

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