Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121727.D
Acq On : 29 Sep 2020 13:00
Operator : JU/CG
Sample : L4158-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SP-1-1MS

**Manual Integrations APPROVED**
mohammad
10/1/2020 11:45:05 AM

Quant Time: Sep 29 13:42:37 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 29 11:12:14 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.78 | 152 | 131958 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.07 | 136 | 509004 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.82 | 164 | 257088 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.30 | 188 | 469729 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 13.94 | 240 | 372764 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 15.38 | 264 | 327011 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.41 | 112 | 574936 | 64.75 | ng | 0.00 |
| 7) Phenol-d6 | 6.42 | 99 | 740086 | 63.53 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.35 | 82 | 499435 | 52.68 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.61 | 330 | 199926 | 62.57 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.15 | 172 | 876301 | 51.62 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.89 | 244 | 831270 | 45.18 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.57 | 88 | 150991 | 37.014 | ng | 99 |
| 3) Pyridine | 3.30 | 79 | 425054 | 37.691 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.25 | 42 | 205458 | 39.278 | ng | 100 |
| 6) Aniline | 6.45 | 93 | 259996 | 17.137 | ng | 100 |
| 8) 2-Chlorophenol | 6.57 | 128 | 377811 | 41.791 | ng | 99 |
| 9) Benzaldehyde | 6.33 | 77 | 118593 | 15.573 | ng | 94 |
| 10) Phenol | 6.43 | 94 | 482909 | 38.929 | ng | 82 |
| 11) bis(2-Chloroethyl)ether | 6.52 | 93 | 367478 | 39.305 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 6.72 | 146 | 403106 | 39.949 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 6.80 | 146 | 406195 | 40.091 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 6.95 | 146 | 384951 | 41.243 | ng | 99 |
| 15) Benzyl Alcohol | 6.93 | 79 | 333487 | 42.118 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.06 | 45 | 581645 | 38.660 | ng | 100 |
| 17) 2-Methylphenol | 7.05 | 107 | 312550 | 40.632 | ng | 98 |
| 18) Hexachloroethane | 7.29 | 117 | 147839 | 40.751 | ng | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.20 | 70 | 260190 | 38.755 | ng | 97 |
| 20) 3+4-Methylphenols | 7.20 | 107 | 374594 | 40.532 | ng | 94 |
| 22) Acetophenone | 7.19 | 105 | 495522 | 38.370 | ng | 98 |
| 24) Nitrobenzene | 7.37 | 77 | 412169 | 40.199 | ng | 99 |
| 25) Isophorone | 7.61 | 82 | 730692 | 38.289 | ng | 99 |
| 26) 2-Nitrophenol | 7.69 | 139 | 193983 | 40.604 | ng | 92 |
| 27) 2,4-Dimethylphenol | 7.73 | 122 | 329127 | 38.637 | ng | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.82 | 93 | 459648 | 38.907 | ng | 100 |
| 29) 2,4-Dichlorophenol | 7.93 | 162 | 303805 | 39.157 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.01 | 180 | 327128 | 40.033 | ng | 99 |
| 31) Naphthalene | 8.09 | 128 | 1054539 | 39.247 | ng | 99 |
| 32) Benzoic acid | 7.86 | 122 | 17250m | 9.258 | ng | |
| 33) 4-Chloroaniline | 8.14 | 127 | 171261 | 14.704 | ng | 100 |
| 34) Hexachlorobutadiene | 8.20 | 225 | 192680 | 40.173 | ng | 99 |
| 35) Caprolactam | 8.51 | 113 | 89994m | 34.831 | ng | |
| 36) 4-Chloro-3-methylphenol | 8.63 | 107 | 329317 | 39.401 | ng | 99 |
| 37) 2-Methylnaphthalene | 8.78 | 142 | 694372 | 39.434 | ng | 100 |
| 38) 1-Methylnaphthalene | 8.88 | 142 | 640654 | 39.093 | ng | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.95 | 216 | 323114 | 40.235 | ng | 98 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.93 | 237 | 290601 | 63.366 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.06 | 196 | 211845 | 38.702 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 9.10 | 196 | 222995 | 38.536 | ng | | 95 |
| 46) 1,1'-Biphenyl | 9.25 | 154 | 815790 | 39.637 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.27 | 162 | 642232 | 39.598 | ng | | 99 |
| 48) 2-Nitroaniline | 9.37 | 65 | 217001 | 43.056 | ng | | 93 |
| 49) Acenaphthylene | 9.69 | 152 | 1004411 | 40.306 | ng | | 99 |
| 50) Dimethylphthalate | 9.55 | 163 | 844667 | 45.331 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 9.61 | 165 | 168422 | 42.442 | ng | | 94 |
| 52) Acenaphthene | 9.86 | 154 | 585832 | 37.220 | ng | | 99 |
| 53) 3-Nitroaniline | 9.77 | 138 | 108431 | 23.587 | ng | | 93 |
| 54) 2,4-Dinitrophenol | 9.89 | 184 | 52326 | 29.324 | ng | | 95 |
| 55) Dibenzofuran | 10.03 | 168 | 883154 | 39.844 | ng | | 99 |
| 56) 4-Nitrophenol | 9.95 | 139 | 246323 | 67.189 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 10.02 | 165 | 217109 | 43.488 | ng | | 99 |
| 58) Fluorene | 10.37 | 166 | 683248 | 40.308 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.15 | 232 | 166669 | 35.428 | ng | | 99 |
| 60) Diethylphthalate | 10.25 | 149 | 719516 | 39.605 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.36 | 204 | 323216 | 39.805 | ng | | 97 |
| 62) 4-Nitroaniline | 10.39 | 138 | 177079 | 38.796 | ng | | 98 |
| 63) Azobenzene | 10.52 | 77 | 751438 | 38.841 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 10.42 | 198 | 69250 | 27.447 | ng | | 99 |
| 66) n-Nitrosodiphenylamine | 10.48 | 169 | 632303 | 39.236 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.85 | 248 | 214164 | 40.045 | ng | | 95 |
| 68) Hexachlorobenzene | 10.92 | 284 | 242479 | 40.176 | ng | | 94 |
| 69) Atrazine | 11.01 | 200 | 152809 | 38.167 | ng | | 99 |
| 70) Pentachlorophenol | 11.12 | 266 | 158756 | 47.896 | ng | | 98 |
| 71) Phenanthrene | 11.33 | 178 | 1014514 | 39.641 | ng | | 99 |
| 72) Anthracene | 11.38 | 178 | 1042356 | 39.467 | ng | | 99 |
| 73) Carbazole | 11.54 | 167 | 949168 | 39.826 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.87 | 149 | 1074336 | 39.056 | ng | | 99 |
| 75) Fluoranthene | 12.52 | 202 | 1079219 | 39.503 | ng | | 99 |
| 77) Benzidine | 12.64 | 184 | 420892 | 34.059 | ng | | 100 |
| 78) Pyrene | 12.74 | 202 | 1101765 | 40.454 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.36 | 149 | 443512 | 40.265 | ng | | 93 |
| 81) Benzo(a)anthracene | 13.93 | 228 | 941077 | 39.905 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.89 | 252 | 101611 | 11.037 | ng | | 98 |
| 83) Chrysene | 13.97 | 228 | 953096 | 39.911 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 13.92 | 149 | 570935 | 38.800 | ng | # | 96 |
| 85) Di-n-octyl phthalate | 14.53 | 149 | 966415 | 37.214 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.81 | 276 | 903780 | 42.439 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 14.97 | 252 | 871042 | 39.844 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 15.00 | 252 | 866937 | 43.306 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.33 | 252 | 777629 | 41.847 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.82 | 278 | 736870 | 41.567 | ng | | 100 |
| 92) Benzo(g,h,i)perylene | 17.24 | 276 | 767131 | 44.023 | ng | | 99 |

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

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