Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120518\
Data File : BF111110.D
Acq On : 5 Dec 2018 15:45
Operator : JU/SJ
Sample : SSTDICC060
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSTDICC060

**Manual Integrations APPROVED**
mohammad
12/6/2018 12:11:38 PM

Quant Time: Dec 05 17:28:14 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 05 15:25:21 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.80 | 152 | 564706 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.09 | 136 | 2310417 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.85 | 164 | 1071203 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.32 | 188 | 1775368 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.96 | 240 | 984050 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.39 | 264 | 923119 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.42 | 112 | 3893438 | 114.33 | ng | | 0.00 |
| 7) Phenol-d6 | 6.44 | 99 | 5080282 | 114.48 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.37 | 82 | 4588323 | 113.66 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.63 | 330 | 960979 | 90.33 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.17 | 172 | 6448318 | 87.21 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.91 | 244 | 5430135 | 107.42 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.55 | 88 | 1208054 | 74.048 | ng | # | 82 |
| 3) Pyridine | 3.28 | 79 | 2726561 | 76.322 | ng | # | 73 |
| 4) n-Nitrosodimethylamine | 3.22 | 42 | 1365968 | 83.561 | ng | # | 85 |
| 6) Aniline | 6.47 | 93 | 3493372 | 63.679 | ng | # | 54 |
| 8) 2-Chlorophenol | 6.59 | 128 | 2289557 | 56.733 | ng | | 91 |
| 9) Benzaldehyde | 6.35 | 77 | 1313987 | 55.472 | ng | | 98 |
| 10) Phenol | 6.45 | 94 | 2845525m | 56.937 | ng | | |
| 11) bis(2-Chloroethyl)ether | 6.55 | 93 | 2340594 | 62.165 | ng | | 88 |
| 12) 1,3-Dichlorobenzene | 6.75 | 146 | 2438033 | 54.991 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.83 | 146 | 2459055 | 53.936 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 6.98 | 146 | 2246192 | 52.346 | ng | | 97 |
| 15) Benzyl Alcohol | 6.95 | 79 | 2073802 | 60.809 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.09 | 45 | 4498494 | 75.075 | ng | | 66 |
| 17) 2-Methylphenol | 7.06 | 107 | 1966335 | 61.280 | ng | # | 83 |
| 18) Hexachloroethane | 7.32 | 117 | 955265 | 56.960 | ng | # | 88 |
| 19) n-Nitroso-di-n-propylamine | 7.23 | 70 | 1789023 | 61.889 | ng | # | 86 |
| 20) 3+4-Methylphenols | 7.22 | 107 | 2240064 | 52.517 | ng | # | 85 |
| 22) Acetophenone | 7.22 | 105 | 3060014 | 56.504 | ng | # | 83 |
| 24) Nitrobenzene | 7.39 | 77 | 2429135 | 57.862 | ng | | 93 |
| 25) Isophorone | 7.63 | 82 | 4115793 | 62.152 | ng | | 96 |
| 26) 2-Nitrophenol | 7.70 | 139 | 1169019 | 57.316 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.75 | 122 | 1888424 | 61.309 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 7.84 | 93 | 2741659 | 61.799 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.95 | 162 | 1908277 | 59.205 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.03 | 180 | 1882784 | 52.123 | ng | | 95 |
| 31) Naphthalene | 8.11 | 128 | 5378932 | 49.666 | ng | # | 90 |
| 32) Benzoic acid | 7.88 | 122 | 1333243m | 58.219 | ng | | |
| 33) 4-Chloroaniline | 8.16 | 127 | 2630361 | 57.062 | ng | | 95 |
| 34) Hexachlorobutadiene | 8.24 | 225 | 1020768 | 49.615 | ng | | 100 |
| 35) Caprolactam | 8.55 | 113 | 706677 | 64.220 | ng | # | 67 |
| 36) 4-Chloro-3-methylphenol | 8.64 | 107 | 2058649 | 57.484 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.80 | 142 | 3709908 | 51.862 | ng | | 97 |
| 38) 1-Methylnaphthalene | 8.90 | 142 | 3601868 | 51.765 | ng | # | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.97 | 216 | 1567964 | 46.531 | ng | # | 96 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.96 | 237 | 894270 | 263.738 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.08 | 196 | 1183832 | 58.822 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 9.12 | 196 | 1226239 | 57.865 | ng | | 95 |
| 46) 1,1'-Biphenyl | 9.27 | 154 | 4524431 | 45.813 | ng | | 87 |
| 47) 2-Chloronaphthalene | 9.29 | 162 | 3674196 | 51.311 | ng | | 92 |
| 48) 2-Nitroaniline | 9.38 | 65 | 1340789 | 59.864 | ng | | 99 |
| 49) Acenaphthylene | 9.71 | 152 | 5181812 | 50.891 | ng | # | 90 |
| 50) Dimethylphthalate | 9.57 | 163 | 3984074 | 50.712 | ng | | 97 |
| 51) 2,6-Dinitrotoluene | 9.63 | 165 | 987714 | 56.474 | ng | | 97 |
| 52) Acenaphthene | 9.88 | 154 | 3399912 | 52.086 | ng | | 96 |
| 53) 3-Nitroaniline | 9.79 | 138 | 1230681 | 60.374 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 9.89 | 184 | 291894 | 52.503 | ng | | 91 |
| 55) Dibenzofuran | 10.05 | 168 | 4681314 | 49.159 | ng | | 91 |
| 56) 4-Nitrophenol | 9.95 | 139 | 921149 | 90.607 | ng | | 93 |
| 57) 2,4-Dinitrotoluene | 10.03 | 165 | 1260577 | 55.553 | ng | | 96 |
| 58) Fluorene | 10.39 | 166 | 3333530 | 44.993 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.16 | 232 | 890835m | 51.223 | ng | | |
| 60) Diethylphthalate | 10.27 | 149 | 4058919 | 50.101 | ng | | 96 |
| 61) 4-Chlorophenyl-phenylether | 10.39 | 204 | 1660193 | 42.841 | ng | | 94 |
| 62) 4-Nitroaniline | 10.41 | 138 | 1121384 | 59.084 | ng | | 91 |
| 63) Azobenzene | 10.55 | 77 | 4267909 | 54.048 | ng | | 88 |
| 65) 4,6-Dinitro-2-methylphenol | 10.43 | 198 | 485643 | 57.828 | ng | # | 56 |
| 66) n-Nitrosodiphenylamine | 10.50 | 169 | 3432219 | 58.073 | ng | | 90 |
| 67) 4-Bromophenyl-phenylether | 10.87 | 248 | 1068477 | 55.261 | ng | # | 90 |
| 68) Hexachlorobenzene | 10.94 | 284 | 1099411 | 53.383 | ng | # | 82 |
| 69) Atrazine | 11.03 | 200 | 582012 | 38.266 | ng | | 98 |
| 70) Pentachlorophenol | 11.13 | 266 | 734398 | 89.630 | ng | | 100 |
| 71) Phenanthrene | 11.35 | 178 | 4629231m | 49.232 | ng | | |
| 72) Anthracene | 11.40 | 178 | 4643070 | 48.487 | ng | # | 92 |
| 73) Carbazole | 11.55 | 167 | 4880153 | 52.506 | ng | # | 90 |
| 74) Di-n-butylphthalate | 11.89 | 149 | 5354957 | 49.277 | ng | # | 93 |
| 75) Fluoranthene | 12.53 | 202 | 4528777 | 46.862 | ng | | 91 |
| 77) Benzidine | 12.65 | 184 | 1176309 | 46.734 | ng | | 100 |
| 78) Pyrene | 12.76 | 202 | 4585492 | 63.800 | ng | | 92 |
| 80) Butylbenzylphthalate | 13.39 | 149 | 2352227 | 72.490 | ng | | 96 |
| 81) Benzo(a)anthracene | 13.94 | 228 | 3262369 | 56.154 | ng | | 96 |
| 82) 3,3'-Dichlorobenzidine | 13.91 | 252 | 1193306 | 59.903 | ng | | 100 |
| 83) Chrysene | 13.99 | 228 | 3213422 | 56.187 | ng | | 96 |
| 84) Bis(2-ethylhexyl)phthalate | 13.95 | 149 | 2658726 | 61.491 | ng | | 93 |
| 85) Di-n-octyl phthalate | 14.56 | 149 | 4098268 | 60.046 | ng | # | 83 |
| 86) Indeno(1,2,3-cd)pyrene | 16.80 | 276 | 2963846m | 72.197 | ng | | |
| 88) Benzo(b)fluoranthene | 14.97 | 252 | 3084317 | 56.875 | ng | # | 95 |
| 89) Benzo(k)fluoranthene | 15.00 | 252 | 2579873 | 46.219 | ng | # | 93 |
| 90) Benzo(a)pyrene | 15.33 | 252 | 2746697 | 54.413 | ng | # | 96 |
| 91) Dibenzo(a,h)anthracene | 16.82 | 278 | 2465608 | 59.200 | ng | # | 94 |
| 92) Benzo(g,h,i)perylene | 17.23 | 276 | 2505943 | 62.403 | ng | # | 92 |

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

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