Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052920\
Data File : BF120432.D
Acq On : 29 May 2020 12:06
Operator : MA/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
mohammad
6/1/2020 12:20:53 PM

Quant Time: May 29 12:55:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 29 12:39:43 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.84 | 152 | 298567 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.12 | 136 | 1143206 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.87 | 164 | 589623 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.36 | 188 | 1072857 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 14.00 | 240 | 742812 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 15.45 | 264 | 711224 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.45 | 112 | 1235047 | 78.83 | ng | 0.00 |
| 7) Phenol-d6 | 6.47 | 99 | 1559695 | 80.77 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.40 | 82 | 1374250 | 78.63 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.66 | 330 | 455509 | 83.38 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.20 | 172 | 2609801 | 75.10 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.94 | 244 | 2678945 | 80.25 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.61 | 88 | 303441 | 39.100 | ng | 99 |
| 3) Pyridine | 3.36 | 79 | 841857 | 39.168 | ng | 96 |
| 4) n-Nitrosodimethylamine | 3.31 | 42 | 358498 | 39.414 | ng | 100 |
| 6) Aniline | 6.50 | 93 | 1095252 | 40.678 | ng | 99 |
| 8) 2-Chlorophenol | 6.63 | 128 | 718858 | 40.693 | ng | 99 |
| 9) Benzaldehyde | 6.39 | 77 | 451169 | 38.335 | ng | 99 |
| 10) Phenol | 6.48 | 94 | 869024m | 41.153 | ng | |
| 11) bis(2-Chloroethyl)ether | 6.57 | 93 | 725148 | 41.094 | ng | 97 |
| 12) 1,3-Dichlorobenzene | 6.78 | 146 | 805412 | 41.500 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 6.86 | 146 | 800186 | 41.325 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 7.01 | 146 | 742308 | 41.505 | ng | 98 |
| 15) Benzyl Alcohol | 6.98 | 79 | 616770 | 42.371 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.12 | 45 | 1147261 | 41.240 | ng | 100 |
| 17) 2-Methylphenol | 7.09 | 107 | 642306 | 40.661 | ng | 99 |
| 18) Hexachloroethane | 7.35 | 117 | 298431 | 42.105 | ng | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.26 | 70 | 498244 | 40.590 | ng | 100 |
| 20) 3+4-Methylphenols | 7.25 | 107 | 724262 | 36.293 | ng | 98 |
| 22) Acetophenone | 7.25 | 105 | 923485 | 39.775 | ng | 99 |
| 24) Nitrobenzene | 7.42 | 77 | 737294 | 39.163 | ng | 98 |
| 25) Isophorone | 7.66 | 82 | 1412709 | 40.219 | ng | 99 |
| 26) 2-Nitrophenol | 7.74 | 139 | 347201 | 40.904 | ng | 98 |
| 27) 2,4-Dimethylphenol | 7.77 | 122 | 594601 | 40.338 | ng | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.87 | 93 | 873254 | 41.282 | ng | 99 |
| 29) 2,4-Dichlorophenol | 7.97 | 162 | 617830 | 41.496 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.06 | 180 | 696847 | 41.706 | ng | 98 |
| 31) Naphthalene | 8.15 | 128 | 2034836 | 40.529 | ng | 99 |
| 32) Benzoic acid | 7.89 | 122 | 433694 | 39.648 | ng | 95 |
| 33) 4-Chloroaniline | 8.19 | 127 | 904447 | 40.646 | ng | 98 |
| 34) Hexachlorobutadiene | 8.26 | 225 | 422394 | 42.649 | ng | 99 |
| 35) Caprolactam | 8.57 | 113 | 187737 | 38.935 | ng | 98 |
| 36) 4-Chloro-3-methylphenol | 8.67 | 107 | 619111 | 40.986 | ng | 95 |
| 37) 2-Methylnaphthalene | 8.83 | 142 | 1381566 | 41.544 | ng | 100 |
| 38) 1-Methylnaphthalene | 8.93 | 142 | 1298081 | 41.353 | ng | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.00 | 216 | 637495 | 42.161 | ng | 100 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.99 | 237 | 404147 | 47.891 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.11 | 196 | 470596 | 43.033 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 9.15 | 196 | 510075 | 41.148 | ng | | 97 |
| 46) 1,1'-Biphenyl | 9.30 | 154 | 1614972 | 41.695 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.32 | 162 | 1321352 | 41.428 | ng | | 98 |
| 48) 2-Nitroaniline | 9.42 | 65 | 377789 | 38.889 | ng | | 98 |
| 49) Acenaphthylene | 9.74 | 152 | 2008946 | 40.760 | ng | | 100 |
| 50) Dimethylphthalate | 9.60 | 163 | 1483891 | 40.256 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.66 | 165 | 318849 | 38.923 | ng | # | 85 |
| 52) Acenaphthene | 9.91 | 154 | 1252954 | 40.732 | ng | | 100 |
| 53) 3-Nitroaniline | 9.83 | 138 | 377553 | 39.248 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 9.93 | 184 | 127395 | 42.553 | ng | | 94 |
| 55) Dibenzofuran | 10.09 | 168 | 1815906 | 40.623 | ng | | 97 |
| 56) 4-Nitrophenol | 9.98 | 139 | 287752 | 39.072 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 10.06 | 165 | 401881 | 38.332 | ng | | 92 |
| 58) Fluorene | 10.43 | 166 | 1282242 | 38.224 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.20 | 232 | 401843 | 41.601 | ng | | 99 |
| 60) Diethylphthalate | 10.30 | 149 | 1502525 | 40.336 | ng | | 100 |
| 61) 4-Chlorophenyl-phenylether | 10.42 | 204 | 678565 | 37.310 | ng | | 99 |
| 62) 4-Nitroaniline | 10.45 | 138 | 356125 | 39.214 | ng | | 95 |
| 63) Azobenzene | 10.58 | 77 | 1395678 | 39.834 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 10.47 | 198 | 184575 | 47.167 | ng | | 92 |
| 66) n-Nitrosodiphenylamine | 10.53 | 169 | 1251546 | 41.995 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 10.91 | 248 | 463296 | 42.781 | ng | | 98 |
| 68) Hexachlorobenzene | 10.97 | 284 | 492295 | 42.686 | ng | # | 90 |
| 69) Atrazine | 11.06 | 200 | 355601 | 42.334 | ng | | 98 |
| 70) Pentachlorophenol | 11.16 | 266 | 304917 | 43.242 | ng | | 98 |
| 71) Phenanthrene | 11.39 | 178 | 1919650 | 40.608 | ng | | 100 |
| 72) Anthracene | 11.44 | 178 | 1958568 | 41.293 | ng | | 99 |
| 73) Carbazole | 11.59 | 167 | 1863905 | 40.629 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.92 | 149 | 2211851 | 41.446 | ng | | 98 |
| 75) Fluoranthene | 12.57 | 202 | 2071398 | 40.722 | ng | | 97 |
| 77) Benzidine | 12.69 | 184 | 880259 | 45.102 | ng | | 98 |
| 78) Pyrene | 12.80 | 202 | 2112964 | 40.903 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.42 | 149 | 935582 | 43.382 | ng | | 99 |
| 81) Benzo(a)anthracene | 13.99 | 228 | 1619027 | 40.668 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.95 | 252 | 649744 | 44.955 | ng | | 99 |
| 83) Chrysene | 14.03 | 228 | 1706842 | 40.896 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 13.98 | 149 | 1150680 | 45.453 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.59 | 149 | 2081125 | 47.509 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.89 | 276 | 1544759 | 39.711 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.03 | 252 | 1690227 | 42.787 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.06 | 252 | 1395032 | 37.828 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.39 | 252 | 1417047 | 41.010 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.91 | 278 | 1259642 | 39.718 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.33 | 276 | 1231458 | 39.369 | ng | | 98 |

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

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