Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011720\
Data File : BF118562.D
Acq On : 17 Jan 2020 16:58
Operator : JU
Sample : PB126158BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB126158BS

Manual Integrations APPROVED
mohammad
1/21/2020 7:58:31 AM

Quant Time: Jan 18 01:20:54 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 17 15:49:53 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.89 | 152 | 431857 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.17 | 136 | 1640978 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.93 | 164 | 950582 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.42 | 188 | 1725785 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.05 | 240 | 1282541 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.53 | 264 | 1088392 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.52 | 112 | 2868791 | 122.74 | ng | | 0.02 |
| 7) Phenol-d6 | 6.52 | 99 | 3770618 | 123.12 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.45 | 82 | 2216565 | 83.43 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.72 | 330 | 1342134 | 127.72 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.25 | 172 | 4242928 | 80.58 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.00 | 244 | 4688092 | 72.19 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.78 | 88 | 523326 | 46.600 | ng | | 99 |
| 3) Pyridine | 3.53 | 79 | 1134112 | 36.566 | ng | | 100 |
| 4) n-Nitrosodimethylamine | 3.47 | 42 | 586077 | 41.198 | ng | | 99 |
| 6) Aniline | 6.55 | 93 | 1384000 | 34.527 | ng | | 99 |
| 8) 2-Chlorophenol | 6.68 | 128 | 1216631 | 45.770 | ng | | 95 |
| 9) Benzaldehyde | 6.43 | 77 | 663672 | 42.334 | ng | | 99 |
| 10) Phenol | 6.53 | 94 | 1535774 | 45.707 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.62 | 93 | 1148100 | 42.662 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 6.83 | 146 | 1308202 | 41.386 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.91 | 146 | 1328197 | 41.825 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.06 | 146 | 1263434 | 42.524 | ng | | 97 |
| 15) Benzyl Alcohol | 7.03 | 79 | 1123078 | 44.685 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.16 | 45 | 1597977 | 40.477 | ng | | 99 |
| 17) 2-Methylphenol | 7.14 | 107 | 1019855 | 45.200 | ng | | 99 |
| 18) Hexachloroethane | 7.40 | 117 | 480123 | 41.489 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.30 | 70 | 943592 | 42.965 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.29 | 107 | 1263492 | 46.828 | ng | # | 89 |
| 22) Acetophenone | 7.30 | 105 | 1661071 | 41.713 | ng | # | 95 |
| 24) Nitrobenzene | 7.47 | 77 | 1312367 | 46.447 | ng | | 100 |
| 25) Isophorone | 7.71 | 82 | 2472937 | 42.885 | ng | | 98 |
| 26) 2-Nitrophenol | 7.79 | 139 | 587589 | 48.099 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 7.82 | 122 | 1178946 | 51.407 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.92 | 93 | 1518039 | 40.973 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.03 | 162 | 1107761 | 43.883 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.12 | 180 | 1198210 | 40.730 | ng | | 99 |
| 31) Naphthalene | 8.20 | 128 | 3396667 | 43.891 | ng | | 99 |
| 32) Benzoic acid | 7.94 | 122 | 699076 | 45.070 | ng | | 99 |
| 33) 4-Chloroaniline | 8.23 | 127 | 824448 | 22.928 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.32 | 225 | 710921 | 38.743 | ng | | 98 |
| 35) Caprolactam | 8.61 | 113 | 345673m | 44.018 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.72 | 107 | 1118507 | 44.697 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.89 | 142 | 2449414 | 44.676 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.99 | 142 | 2327627 | 44.876 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.06 | 216 | 1218127 | 39.730 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.05 | 237 | 1562993 | 97.568 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.16 | 196 | 857600 | 43.901 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 9.20 | 196 | 885662 | 44.843 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.35 | 154 | 2910426 | 42.849 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.37 | 162 | 2356964 | 41.170 | ng | | 98 |
| 48) 2-Nitroaniline | 9.46 | 65 | 696683 | 46.789 | ng | | 98 |
| 49) Acenaphthylene | 9.79 | 152 | 3555753 | 43.989 | ng | | 100 |
| 50) Dimethylphthalate | 9.65 | 163 | 2712459 | 41.560 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.71 | 165 | 628368 | 50.460 | ng | | 94 |
| 52) Acenaphthene | 9.96 | 154 | 2407110 | 45.457 | ng | | 100 |
| 53) 3-Nitroaniline | 9.87 | 138 | 400053 | 28.359 | ng | # | 91 |
| 54) 2,4-Dinitrophenol | 9.98 | 184 | 480924 | 89.136 | ng | # | 1 |
| 55) Dibenzofuran | 10.14 | 168 | 3246046 | 43.317 | ng | | 98 |
| 56) 4-Nitrophenol | 10.03 | 139 | 1065953 | 102.291 | ng | | 94 |
| 57) 2,4-Dinitrotoluene | 10.11 | 165 | 815094 | 49.485 | ng | | 99 |
| 58) Fluorene | 10.48 | 166 | 2504791 | 43.164 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.25 | 232 | 787611 | 46.615 | ng | | 99 |
| 60) Diethylphthalate | 10.35 | 149 | 2685488 | 42.147 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.47 | 204 | 1373846 | 43.275 | ng | | 99 |
| 62) 4-Nitroaniline | 10.49 | 138 | 612100 | 43.687 | ng | | 99 |
| 63) Azobenzene | 10.63 | 77 | 2666509 | 42.938 | ng | | 100 |
| 65) 4,6-Dinitro-2-methylphenol | 10.52 | 198 | 351451 | 49.625 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 10.59 | 169 | 2350959 | 42.396 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.96 | 248 | 943399 | 40.837 | ng | | 99 |
| 68) Hexachlorobenzene | 11.03 | 284 | 1015501 | 39.668 | ng | | 99 |
| 69) Atrazine | 11.12 | 200 | 853208 | 53.318 | ng | | 98 |
| 70) Pentachlorophenol | 11.22 | 266 | 1171418 | 93.107 | ng | | 99 |
| 71) Phenanthrene | 11.44 | 178 | 3606155 | 41.571 | ng | | 100 |
| 72) Anthracene | 11.49 | 178 | 3705794 | 42.818 | ng | | 99 |
| 73) Carbazole | 11.64 | 167 | 3282661 | 42.055 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.97 | 149 | 3815005 | 39.330 | ng | | 99 |
| 75) Fluoranthene | 12.63 | 202 | 3796848 | 40.701 | ng | | 99 |
| 77) Benzidine | 12.74 | 184 | 1966147 | 63.096 | ng | | 98 |
| 78) Pyrene | 12.86 | 202 | 3818530 | 39.891 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.47 | 149 | 1669991 | 40.699 | ng | | 99 |
| 81) Benzo(a)anthracene | 14.04 | 228 | 3315493 | 40.955 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.00 | 252 | 856645 | 30.161 | ng | | 100 |
| 83) Chrysene | 14.08 | 228 | 3222739 | 41.387 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 14.04 | 149 | 2148420 | 42.184 | ng | # | 98 |
| 85) Di-n-octyl phthalate | 14.65 | 149 | 3386957 | 43.427 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 17.01 | 276 | 2762777 | 36.055 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 15.10 | 252 | 3147051 | 44.395 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 15.13 | 252 | 2663873 | 41.580 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.47 | 252 | 2533640 | 41.076 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.03 | 278 | 2318729 | 40.249 | ng | | 100 |
| 92) Benzo(g,h,i)perylene | 17.46 | 276 | 2244559 | 40.336 | ng | | 99 |

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

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