Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121478.D
Acq On : 31 Aug 2020 15:18
Operator : JU/CG
Sample : SP5251
Misc : 8270/625 SPIKE
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP5251

**Manual Integrations APPROVED**
mohammad
9/2/2020 1:55:48 PM

Quant Time: Sep 01 09:32:19 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 28 09:25:49 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.86 | 152 | 266388 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.15 | 136 | 1099493 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.90 | 164 | 593260 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.39 | 188 | 1132538 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.03 | 240 | 886223 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.50 | 264 | 922373 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 0.00 | 112 | 0 | 0.00 | ng | | |
| 7) Phenol-d6 | 0.00 | 99 | 0d | 0.00 | ng | | |
| 23) Nitrobenzene-d5 | 0.00 | 82 | 0d | 0.00 | ng | | |
| 42) 2,4,6-Tribromophenol | 0.00 | 330 | 0 | 0.00 | ng | | |
| 45) 2-Fluorobiphenyl | 0.00 | 172 | 0d | 0.00 | ng | | |
| 79) Terphenyl-d14 | 0.00 | 244 | 0d | 0.00 | ng | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.75 | 88 | 429635 | 56.739 | ng | | 99 |
| 3) Pyridine | 3.48 | 79 | 1150224 | 55.781 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.45 | 42 | 508339 | 55.771 | ng | | 93 |
| 6) Aniline | 6.52 | 93 | 1273253 | 48.363 | ng | | 99 |
| 8) 2-Chlorophenol | 6.65 | 128 | 1051421 | 65.246 | ng | | 97 |
| 9) Benzaldehyde | 6.41 | 77 | 756777 | 69.555 | ng | | 98 |
| 10) Phenol | 6.50 | 94 | 1399594 | 64.480 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.59 | 93 | 1016949 | 57.665 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.80 | 146 | 1077693 | 55.543 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.88 | 146 | 1091668 | 56.141 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.03 | 146 | 1059905 | 58.539 | ng | | 98 |
| 15) Benzyl Alcohol | 7.00 | 79 | 896604 | 61.565 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.14 | 45 | 1441339 | 55.169 | ng | | 98 |
| 17) 2-Methylphenol | 7.12 | 107 | 851739 | 60.748 | ng | | 99 |
| 18) Hexachloroethane | 7.37 | 117 | 403858 | 60.687 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.27 | 70 | 713806 | 57.566 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.26 | 107 | 1013652 | 59.742 | ng | | 90 |
| 22) Acetophenone | 7.27 | 105 | 1320563 | 48.730 | ng | # | 98 |
| 24) Nitrobenzene | 7.44 | 77 | 1092312 | 67.758 | ng | | 98 |
| 25) Isophorone | 7.69 | 82 | 2034653 | 56.247 | ng | | 100 |
| 26) 2-Nitrophenol | 7.76 | 139 | 531442 | 67.082 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 7.80 | 122 | 985551 | 65.691 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.89 | 93 | 1316237 | 53.510 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.00 | 162 | 895649 | 60.462 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.09 | 180 | 930858 | 51.296 | ng | | 99 |
| 31) Naphthalene | 8.17 | 128 | 2876892 | 52.704 | ng | | 100 |
| 32) Benzoic acid | 7.93 | 122 | 711343 | 64.411 | ng | | 99 |
| 33) 4-Chloroaniline | 8.21 | 127 | 831416 | 34.198 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.29 | 225 | 548075 | 50.787 | ng | | 99 |
| 35) Caprolactam | 8.60 | 113 | 289261m | 59.870 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.70 | 107 | 938321 | 60.077 | ng | | 100 |
| 37) 2-Methylnaphthalene | 8.86 | 142 | 1998367 | 55.256 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.96 | 142 | 1861599 | 54.513 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.03 | 216 | 877652 | 49.906 | ng | | 99 |

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Quant Time: Sep 01 09:32:19 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 28 09:25:49 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.02 | 237 | 1072519 | 145.026 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.13 | 196 | 670213 | 60.296 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 9.17 | 196 | 676831 | 61.578 | ng | | 97 |
| 46) 1,1'-Biphenyl | 9.32 | 154 | 2360134 | 52.720 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.35 | 162 | 1828655 | 49.696 | ng | | 97 |
| 48) 2-Nitroaniline | 9.45 | 65 | 596661 | 56.418 | ng | | 91 |
| 49) Acenaphthylene | 9.77 | 152 | 2902603 | 52.589 | ng | | 99 |
| 50) Dimethylphthalate | 9.63 | 163 | 2222097 | 54.528 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.69 | 165 | 505612 | 63.767 | ng | | 98 |
| 52) Acenaphthene | 9.94 | 154 | 2016840 | 57.870 | ng | | 100 |
| 53) 3-Nitroaniline | 9.85 | 138 | 363592 | 38.573 | ng | # | 95 |
| 54) 2,4-Dinitrophenol | 9.96 | 184 | 473275 | 104.726 | ng | | 86 |
| 55) Dibenzofuran | 10.11 | 168 | 2690987 | 53.154 | ng | | 98 |
| 56) 4-Nitrophenol | 10.02 | 139 | 933069 | 114.797 | ng | | 96 |
| 57) 2,4-Dinitrotoluene | 10.09 | 165 | 660963 | 66.919 | ng | | 96 |
| 58) Fluorene | 10.45 | 166 | 1996647 | 52.317 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.23 | 232 | 590325 | 64.509 | ng | | 99 |
| 60) Diethylphthalate | 10.33 | 149 | 2220260 | 54.229 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.45 | 204 | 989066 | 51.725 | ng | | 97 |
| 62) 4-Nitroaniline | 10.47 | 138 | 530676 | 52.791 | ng | | 96 |
| 63) Azobenzene | 10.60 | 77 | 2138334 | 52.814 | ng | | 100 |
| 65) 4,6-Dinitro-2-methylphenol | 10.50 | 198 | 305679 | 70.940 | ng | | 90 |
| 66) n-Nitrosodiphenylamine | 10.56 | 169 | 1875686 | 52.365 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.93 | 248 | 647607 | 51.979 | ng | | 97 |
| 68) Hexachlorobenzene | 11.00 | 284 | 751596 | 51.588 | ng | | 98 |
| 69) Atrazine | 11.09 | 200 | 485736 | 46.759 | ng | | 98 |
| 70) Pentachlorophenol | 11.19 | 266 | 891283 | 133.908 | ng | | 98 |
| 71) Phenanthrene | 11.42 | 178 | 2925921 | 50.343 | ng | | 99 |
| 72) Anthracene | 11.47 | 178 | 3019160 | 52.817 | ng | | 100 |
| 73) Carbazole | 11.62 | 167 | 2850298 | 51.709 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.95 | 149 | 3302758 | 53.935 | ng | | 99 |
| 75) Fluoranthene | 12.60 | 202 | 3231331 | 51.587 | ng | | 99 |
| 77) Benzidine | 12.73 | 184 | 2051168 | 106.125 | ng | | 99 |
| 78) Pyrene | 12.83 | 202 | 3289353 | 51.971 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.45 | 149 | 1485967 | 60.942 | ng | | 95 |
| 81) Benzo(a)anthracene | 14.02 | 228 | 2787549 | 51.526 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 13.98 | 252 | 923234 | 46.592 | ng | | 99 |
| 83) Chrysene | 14.06 | 228 | 2788133 | 51.513 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 14.01 | 149 | 1845697 | 58.608 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.63 | 149 | 3369130 | 63.128 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.97 | 276 | 3041725 | 53.597 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 15.07 | 252 | 3160613 | 52.677 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.10 | 252 | 2822675 | 50.578 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.44 | 252 | 2731348 | 50.625 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 16.99 | 278 | 2481651 | 53.420 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.42 | 276 | 2462834 | 55.034 | ng | | 98 |

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

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