Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
Data File : BF119574.D
Acq On : 27 Mar 2020 18:28
Operator : CG/JU
Sample : PB127849BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB127849BS

**Manual Integrations APPROVED**
mohammad
3/31/2020 8:15:17 AM

Quant Time: Mar 28 01:29:03 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 27 07:52:09 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.83 | 152 | 252993 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.12 | 136 | 1057216 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.88 | 164 | 573332 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.37 | 188 | 1018856 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.01 | 240 | 722651 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.47 | 264 | 627742 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.45 | 112 | 1978135 | 124.47 | ng | | 0.01 |
| 7) Phenol-d6 | 6.46 | 99 | 2540541 | 125.14 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.40 | 82 | 1646960 | 84.66 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.67 | 330 | 755993 | 127.81 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.20 | 172 | 3035114 | 78.43 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.96 | 244 | 3403632 | 92.28 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.65 | 88 | 290238 | 36.977 | ng | | 99 |
| 3) Pyridine | 3.37 | 79 | 811751 | 37.539 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.33 | 42 | 449833 | 42.658 | ng | | 97 |
| 6) Aniline | 6.49 | 93 | 971999 | 34.691 | ng | | 99 |
| 8) 2-Chlorophenol | 6.62 | 128 | 820172 | 49.137 | ng | | 99 |
| 9) Benzaldehyde | 6.38 | 77 | 495994 | 38.513 | ng | | 97 |
| 10) Phenol | 6.47 | 94 | 1044726 | 48.228 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 6.57 | 93 | 776055 | 44.793 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.77 | 146 | 813499 | 45.031 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 6.85 | 146 | 811208 | 44.893 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 7.00 | 146 | 764377 | 45.256 | ng | | 99 |
| 15) Benzyl Alcohol | 6.97 | 79 | 674433 | 44.164 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.11 | 45 | 1548241 | 44.304 | ng | | 99 |
| 17) 2-Methylphenol | 7.09 | 107 | 668191 | 43.692 | ng | | 98 |
| 18) Hexachloroethane | 7.35 | 117 | 308114 | 46.529 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.25 | 70 | 562130 | 45.938 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.24 | 107 | 804983 | 42.949 | ng | # | 85 |
| 22) Acetophenone | 7.25 | 105 | 1053547 | 41.705 | ng | | 97 |
| 24) Nitrobenzene | 7.42 | 77 | 894887 | 43.046 | ng | | 100 |
| 25) Isophorone | 7.66 | 82 | 1577669 | 39.981 | ng | | 99 |
| 26) 2-Nitrophenol | 7.73 | 139 | 432551 | 52.844 | ng | | 91 |
| 27) 2,4-Dimethylphenol | 7.77 | 122 | 733385 | 43.330 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.87 | 93 | 1019161 | 43.677 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.97 | 162 | 695249 | 44.706 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.06 | 180 | 726826 | 42.260 | ng | | 99 |
| 31) Naphthalene | 8.14 | 128 | 2394033 | 44.003 | ng | | 99 |
| 32) Benzoic acid | 7.89 | 122 | 555925 | 51.062 | ng | | 97 |
| 33) 4-Chloroaniline | 8.19 | 127 | 522704 | 20.967 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.26 | 225 | 435921 | 45.301 | ng | | 99 |
| 35) Caprolactam | 8.56 | 113 | 227900m | 44.777 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.67 | 107 | 779160 | 45.840 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.83 | 142 | 1648576 | 46.171 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.93 | 142 | 1494468 | 44.220 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.00 | 216 | 672629 | 40.026 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.99 | 237 | 830024 | 86.879 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.11 | 196 | 510326 | 42.436 | ng | | 100 |
| 44) 2,4,5-Trichlorophenol | 9.15 | 196 | 549013 | 40.753 | ng | | 97 |
| 46) 1,1'-Biphenyl | 9.30 | 154 | 1973336 | 42.260 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.32 | 162 | 1543711 | 42.205 | ng | | 98 |
| 48) 2-Nitroaniline | 9.42 | 65 | 582983 | 46.177 | ng | | 100 |
| 49) Acenaphthylene | 9.75 | 152 | 2429168 | 42.291 | ng | | 99 |
| 50) Dimethylphthalate | 9.60 | 163 | 1757104 | 43.147 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.66 | 165 | 410931 | 47.077 | ng | | 95 |
| 52) Acenaphthene | 9.92 | 154 | 1685189 | 47.062 | ng | | 99 |
| 53) 3-Nitroaniline | 9.83 | 138 | 299660 | 27.192 | ng | | 96 |
| 54) 2,4-Dinitrophenol | 9.94 | 184 | 417410 | 107.738 | ng | | 96 |
| 55) Dibenzofuran | 10.09 | 168 | 2093853 | 40.784 | ng | | 98 |
| 56) 4-Nitrophenol | 9.99 | 139 | 682658 | 78.525 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 10.07 | 165 | 534467 | 48.605 | ng | | 96 |
| 58) Fluorene | 10.43 | 166 | 1607098 | 42.331 | ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.20 | 232 | 455678 | 45.251 | ng | | 99 |
| 60) Diethylphthalate | 10.31 | 149 | 1836514 | 44.433 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.42 | 204 | 783168 | 42.184 | ng | | 99 |
| 62) 4-Nitroaniline | 10.45 | 138 | 427092 | 40.415 | ng | | 98 |
| 63) Azobenzene | 10.59 | 77 | 1808340 | 43.446 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylphenol | 10.47 | 198 | 270365 | 63.283 | ng | | 88 |
| 66) n-Nitrosodiphenylamine | 10.54 | 169 | 1561450 | 46.684 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.92 | 248 | 542181 | 46.726 | ng | | 92 |
| 68) Hexachlorobenzene | 10.98 | 284 | 595314 | 50.128 | ng | # | 92 |
| 69) Atrazine | 11.07 | 200 | 493711 | 53.842 | ng | | 99 |
| 70) Pentachlorophenol | 11.17 | 266 | 640968 | 92.047 | ng | | 98 |
| 71) Phenanthrene | 11.39 | 178 | 2302653 | 43.586 | ng | | 100 |
| 72) Anthracene | 11.44 | 178 | 2361150 | 43.974 | ng | | 99 |
| 73) Carbazole | 11.60 | 167 | 2198680 | 41.370 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.93 | 149 | 2754203 | 48.445 | ng | | 100 |
| 75) Fluoranthene | 12.58 | 202 | 2650078 | 46.350 | ng | | 99 |
| 77) Benzidine | 12.70 | 184 | 1436748 | 46.979 | ng | | 99 |
| 78) Pyrene | 12.81 | 202 | 2589336 | 43.660 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.43 | 149 | 1180223 | 49.202 | ng | | 98 |
| 81) Benzo(a)anthracene | 14.00 | 228 | 1947767 | 41.448 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.96 | 252 | 470998 | 25.420 | ng | | 99 |
| 83) Chrysene | 14.04 | 228 | 2042017 | 42.105 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 13.99 | 149 | 1547290 | 54.111 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.61 | 149 | 2840644 | 56.486 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 16.93 | 276 | 1884692 | 41.262 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.04 | 252 | 2133995 | 50.891 | ng | | 97 |
| 89) Benzo(k)fluoranthene | 15.08 | 252 | 1821079 | 45.608 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.41 | 252 | 1761173 | 46.215 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.96 | 278 | 1555417 | 46.664 | ng | | 100 |
| 92) Benzo(g,h,i)perylene | 17.38 | 276 | 1577516 | 47.109 | ng | | 96 |

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

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