Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
Data File : BF119605.D
Acq On : 28 Mar 2020 9:08
Operator : CG/JU
Sample : L2053-04MSD
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-13-SAMSD

**Manual Integrations APPROVED**
mohammad
3/31/2020 8:14:03 AM

Quant Time: Mar 29 23:34:41 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 | 280180 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.12 | 136 | 1029993 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.88 | 164 | 526606 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.37 | 188 | 1010319 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.01 | 240 | 638461 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.47 | 264 | 533386 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.46 | 112 | 2392214 | 135.92 | ng | | 0.02 |
| 7) Phenol-d6 | 6.46 | 99 | 2712623 | 120.65 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.40 | 82 | 2053276 | 108.34 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.67 | 330 | 869585 | 160.06 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.20 | 172 | 3461015 | 97.37 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.96 | 244 | 3832439 | 117.60 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.80 | 88 | 374402 | 43.071 | ng | # | 83 |
| 3) Pyridine | 3.48 | 79 | 730470 | 30.503 | ng | | 93 |
| 4) n-Nitrosodimethylamine | 3.42 | 42 | 539220 | 46.173 | ng | | 94 |
| 6) Aniline | 6.49 | 93 | 562237 | 18.119 | ng | | 99 |
| 8) 2-Chlorophenol | 6.62 | 128 | 1051937 | 56.907 | ng | | 99 |
| 9) Benzaldehyde | 6.39 | 77 | 432615 | 30.332 | ng | | 97 |
| 10) Phenol | 6.48 | 94 | 1128748 | 47.051 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 6.57 | 93 | 1033454 | 53.862 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.77 | 146 | 982422 | 49.105 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 6.85 | 146 | 1005885 | 50.265 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.01 | 146 | 948952 | 50.733 | ng | | 97 |
| 15) Benzyl Alcohol | 6.97 | 79 | 892233 | 52.757 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.11 | 45 | 1877346 | 48.508 | ng | | 99 |
| 17) 2-Methylphenol | 7.09 | 107 | 837627 | 49.456 | ng | | 98 |
| 18) Hexachloroethane | 7.35 | 117 | 376816 | 51.382 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.26 | 70 | 737182 | 54.398 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.24 | 107 | 983997 | 47.406 | ng | # | 87 |
| 22) Acetophenone | 7.25 | 105 | 1375530 | 55.890 | ng | # | 90 |
| 24) Nitrobenzene | 7.42 | 77 | 1124924 | 55.542 | ng | | 95 |
| 25) Isophorone | 7.66 | 82 | 2088085 | 54.314 | ng | | 99 |
| 26) 2-Nitrophenol | 7.73 | 139 | 574870 | 72.087 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 7.77 | 122 | 904642 | 54.861 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.87 | 93 | 1300939 | 57.226 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.97 | 162 | 829183 | 54.727 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.06 | 180 | 864911 | 51.618 | ng | | 100 |
| 31) Naphthalene | 8.14 | 128 | 2757053 | 52.015 | ng | | 100 |
| 32) Benzoic acid | 7.89 | 122 | 652418 | 61.508 | ng | | 95 |
| 33) 4-Chloroaniline | 8.19 | 127 | 331611 | 13.653 | ng | | 95 |
| 34) Hexachlorobutadiene | 8.26 | 225 | 480763 | 51.281 | ng | | 99 |
| 35) Caprolactam | 8.56 | 113 | 201960m | 40.729 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.67 | 107 | 915954 | 55.312 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.83 | 142 | 1924826 | 55.333 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.93 | 142 | 1837184 | 55.797 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.00 | 216 | 805247 | 52.169 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.99 | 237 | 843360 | 96.108 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.11 | 196 | 621355 | 56.253 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 9.15 | 196 | 657338 | 53.123 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.30 | 154 | 2258686 | 52.663 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.33 | 162 | 1795610 | 53.448 | ng | | 98 |
| 48) 2-Nitroaniline | 9.42 | 65 | 688226 | 59.350 | ng | | 94 |
| 49) Acenaphthylene | 9.75 | 152 | 2811776 | 53.296 | ng | | 100 |
| 50) Dimethylphthalate | 9.61 | 163 | 2234546 | 59.739 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.66 | 165 | 492301 | 61.403 | ng | | 89 |
| 52) Acenaphthene | 9.92 | 154 | 1906940 | 57.980 | ng | | 99 |
| 53) 3-Nitroaniline | 9.83 | 138 | 259090 | 25.597 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 9.94 | 184 | 403503 | 113.008 | ng | | 97 |
| 55) Dibenzofuran | 10.09 | 168 | 2522467 | 53.493 | ng | | 98 |
| 56) 4-Nitrophenol | 9.99 | 139 | 749052 | 93.808 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 10.07 | 165 | 649860 | 64.343 | ng | | 98 |
| 58) Fluorene | 10.43 | 166 | 1935912 | 55.516 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.20 | 232 | 533702 | 57.702 | ng | | 99 |
| 60) Diethylphthalate | 10.31 | 149 | 2116379 | 55.747 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.42 | 204 | 908145 | 53.256 | ng | | 99 |
| 62) 4-Nitroaniline | 10.45 | 138 | 507858 | 52.322 | ng | | 99 |
| 63) Azobenzene | 10.58 | 77 | 2078661 | 54.372 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 10.47 | 198 | 295544 | 69.761 | ng | | 84 |
| 66) n-Nitrosodiphenylamine | 10.55 | 169 | 1790711 | 53.990 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 10.91 | 248 | 603853 | 52.481 | ng | | 98 |
| 68) Hexachlorobenzene | 10.98 | 284 | 658111 | 55.884 | ng | # | 91 |
| 69) Atrazine | 11.07 | 200 | 543078 | 59.726 | ng | | 99 |
| 70) Pentachlorophenol | 11.17 | 266 | 714172 | 103.426 | ng | | 97 |
| 71) Phenanthrene | 11.39 | 178 | 2785543 | 53.172 | ng | | 99 |
| 72) Anthracene | 11.45 | 178 | 2848397 | 53.497 | ng | | 99 |
| 73) Carbazole | 11.60 | 167 | 2696303 | 51.162 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.93 | 149 | 3148067 | 55.841 | ng | | 99 |
| 75) Fluoranthene | 12.58 | 202 | 2991015 | 52.755 | ng | | 99 |
| 77) Benzidine | 12.70 | 184 | 913685 | 33.815 | ng | | 98 |
| 78) Pyrene | 12.81 | 202 | 2960637 | 56.503 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.43 | 149 | 1325831 | 62.561 | ng | | 98 |
| 81) Benzo(a)anthracene | 14.00 | 228 | 2120840 | 51.082 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 13.96 | 252 | 408145 | 24.932 | ng | | 98 |
| 83) Chrysene | 14.04 | 228 | 2230487 | 52.055 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 13.99 | 149 | 1647802 | 65.225 | ng | | 98 |
| 85) Di-n-octyl phthalate | 14.60 | 149 | 2608807 | 58.716 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 16.94 | 276 | 2017001 | 49.982 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 15.04 | 252 | 2057480 | 57.746 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 15.08 | 252 | 1762629 | 51.953 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.41 | 252 | 1725220 | 53.280 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 16.96 | 278 | 1636772 | 57.792 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.38 | 276 | 1705754 | 59.950 | ng | | 97 |

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

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