Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032020\
Data File : BF119470.D
Acq On : 20 Mar 2020 14:14
Operator : CG/JU
Sample : L1749-01MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
BU-02-031920MS

**Manual Integrations APPROVED**
mohammad
3/23/2020 9:40:38 AM

Quant Time: Mar 23 04:23:53 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 18 15:11:18 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.85 | 152 | 280370 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.14 | 136 | 1057972 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.90 | 164 | 546375 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.39 | 188 | 1037501 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 14.03 | 240 | 634841 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 15.50 | 264 | 642192 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.47 | 112 | 1859480 | 105.58 | ng | 0.01 |
| 7) Phenol-d6 | 6.48 | 99 | 2392703 | 106.35 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.42 | 82 | 1506509 | 77.39 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.69 | 330 | 659326 | 116.97 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.22 | 172 | 2695827 | 73.10 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.97 | 244 | 2857048 | 88.17 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.64 | 88 | 317798 | 36.535 | ng | 99 |
| 3) Pyridine | 3.39 | 79 | 797261 | 33.269 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.33 | 42 | 470737 | 40.281 | ng | 95 |
| 6) Aniline | 6.51 | 93 | 974877 | 31.396 | ng | 99 |
| 8) 2-Chlorophenol | 6.63 | 128 | 865115 | 46.768 | ng | 98 |
| 9) Benzaldehyde | 6.40 | 77 | 554680 | 38.864 | ng | 98 |
| 10) Phenol | 6.49 | 94 | 1070157m | 44.578 | ng | |
| 11) bis(2-Chloroethyl)ether | 6.59 | 93 | 824331 | 42.934 | ng | 97 |
| 12) 1,3-Dichlorobenzene | 6.79 | 146 | 875596 | 43.735 | ng | 100 |
| 13) 1,4-Dichlorobenzene | 6.87 | 146 | 885532 | 44.221 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 7.02 | 146 | 822587 | 43.947 | ng | 99 |
| 15) Benzyl Alcohol | 6.99 | 79 | 754706 | 44.595 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.13 | 45 | 1586146 | 40.956 | ng | 99 |
| 17) 2-Methylphenol | 7.10 | 107 | 697784 | 41.171 | ng | 99 |
| 18) Hexachloroethane | 7.37 | 117 | 332140 | 45.259 | ng | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.27 | 70 | 586763 | 43.269 | ng | 97 |
| 20) 3+4-Methylphenols | 7.26 | 107 | 846585m | 40.758 | ng | |
| 22) Acetophenone | 7.26 | 105 | 1109373 | 43.884 | ng | 97 |
| 24) Nitrobenzene | 7.43 | 77 | 891672 | 42.861 | ng | 99 |
| 25) Isophorone | 7.67 | 82 | 1651813 | 41.830 | ng | 99 |
| 26) 2-Nitrophenol | 7.75 | 139 | 452976 | 55.300 | ng | 98 |
| 27) 2,4-Dimethylphenol | 7.79 | 122 | 797703 | 47.097 | ng | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.89 | 93 | 1031112 | 44.157 | ng | 99 |
| 29) 2,4-Dichlorophenol | 7.99 | 162 | 694869 | 44.649 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.08 | 180 | 745951 | 43.341 | ng | 99 |
| 31) Naphthalene | 8.16 | 128 | 2391994 | 43.935 | ng | 100 |
| 32) Benzoic acid | 7.90 | 122 | 502547 | 46.126 | ng | 96 |
| 33) 4-Chloroaniline | 8.20 | 127 | 537859 | 21.560 | ng | 99 |
| 34) Hexachlorobutadiene | 8.28 | 225 | 419127 | 43.525 | ng | 98 |
| 35) Caprolactam | 8.57 | 113 | 221618m | 43.511 | ng | |
| 36) 4-Chloro-3-methylphenol | 8.69 | 107 | 754120 | 44.335 | ng | 99 |
| 37) 2-Methylnaphthalene | 8.85 | 142 | 1596495 | 44.681 | ng | 99 |
| 38) 1-Methylnaphthalene | 8.95 | 142 | 1521802 | 44.997 | ng | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.02 | 216 | 679745 | 42.445 | ng | 98 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.01 | 237 | 739845 | 81.261 ng | 100 |
| 43) 2,4,6-Trichlorophenol | 9.13 | 196 | 514118 | 44.860 ng | 99 |
| 44) 2,4,5-Trichlorophenol | 9.17 | 196 | 533466 | 41.552 ng | 98 |
| 46) 1,1'-Biphenyl | 9.32 | 154 | 1907312 | 42.861 ng | 98 |
| 47) 2-Chloronaphthalene | 9.35 | 162 | 1486791 | 42.654 ng | 98 |
| 48) 2-Nitroaniline | 9.43 | 65 | 558955 | 46.458 ng | 98 |
| 49) Acenaphthylene | 9.76 | 152 | 2386877 | 43.605 ng | 99 |
| 50) Dimethylphthalate | 9.62 | 163 | 1974700 | 50.882 ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.68 | 165 | 393045 | 47.249 ng | 88 |
| 52) Acenaphthene | 9.93 | 154 | 1572983 | 46.095 ng | 98 |
| 53) 3-Nitroaniline | 9.85 | 138 | 278616 | 26.530 ng | 96 |
| 54) 2,4-Dinitrophenol | 9.95 | 184 | 307799 | 85.012 ng | 94 |
| 55) Dibenzofuran | 10.10 | 168 | 2108477 | 43.095 ng | 98 |
| 56) 4-Nitrophenol | 10.00 | 139 | 731419 | 88.285 ng | 91 |
| 57) 2,4-Dinitrotoluene | 10.09 | 165 | 531558 | 50.726 ng | 96 |
| 58) Fluorene | 10.45 | 166 | 1592097 | 44.005 ng | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.22 | 232 | 451441 | 47.042 ng | 99 |
| 60) Diethylphthalate | 10.32 | 149 | 1772903 | 45.010 ng | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.44 | 204 | 763753 | 43.168 ng | 100 |
| 62) 4-Nitroaniline | 10.46 | 138 | 409612 | 40.674 ng | 98 |
| 63) Azobenzene | 10.60 | 77 | 1702388 | 42.919 ng | 94 |
| 65) 4,6-Dinitro-2-methylphenol | 10.49 | 198 | 222153 | 51.064 ng | 98 |
| 66) n-Nitrosodiphenylamine | 10.56 | 169 | 1474321 | 43.287 ng | 97 |
| 67) 4-Bromophenyl-phenylether | 10.93 | 248 | 499662 | 42.288 ng | 94 |
| 68) Hexachlorobenzene | 11.00 | 284 | 534276 | 44.180 ng | 96 |
| 69) Atrazine | 11.09 | 200 | 437722 | 46.878 ng | 99 |
| 70) Pentachlorophenol | 11.19 | 266 | 604728 | 85.282 ng | 97 |
| 71) Phenanthrene | 11.41 | 178 | 2408422 | 44.769 ng | 99 |
| 72) Anthracene | 11.46 | 178 | 2451202 | 44.831 ng | 100 |
| 73) Carbazole | 11.62 | 167 | 2273058 | 42.001 ng | 99 |
| 74) Di-n-butylphthalate | 11.95 | 149 | 2707648 | 46.770 ng | 99 |
| 75) Fluoranthene | 12.60 | 202 | 2559091 | 43.955 ng | 99 |
| 77) Benzidine | 12.72 | 184 | 1359232 | 50.592 ng | 98 |
| 78) Pyrene | 12.83 | 202 | 2551759 | 48.977 ng | 100 |
| 80) Butylbenzylphthalate | 13.45 | 149 | 1139379 | 54.070 ng | 98 |
| 81) Benzo(a)anthracene | 14.02 | 228 | 1818544 | 44.051 ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.98 | 252 | 626657 | 38.499 ng | 98 |
| 83) Chrysene | 14.06 | 228 | 1822663 | 42.780 ng | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 14.02 | 149 | 1396576 | 55.596 ng | 99 |
| 85) Di-n-octyl phthalate | 14.63 | 149 | 2289516 | 51.824 ng | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 16.98 | 276 | 2130525 | 53.096 ng | 98 |
| 88) Benzo(b)fluoranthene | 15.07 | 252 | 1804557 | 42.066 ng | 98 |
| 89) Benzo(k)fluoranthene | 15.10 | 252 | 1663120 | 40.715 ng | 99 |
| 90) Benzo(a)pyrene | 15.44 | 252 | 1617866 | 41.499 ng | 99 |
| 91) Dibenzo(a,h)anthracene | 17.00 | 278 | 1743508 | 51.130 ng | 98 |
| 92) Benzo(g,h,i)perylene | 17.43 | 276 | 1830244 | 53.427 ng | 97 |

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

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