Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020720\
Data File : BG044342.D
Acq On : 7 Feb 2020 18:17
Operator : CG/JU
Sample : L1408-02MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SHORE-RD-PATH-BH-01-BMSD

**Manual Integrations APPROVED**
mohammad
2/11/2020 8:26:08 AM

Quant Time: Feb 08 02:58:12 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 30 16:05:09 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.91 | 152 | 100025 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.71 | 136 | 420044 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.55 | 164 | 266725 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.29 | 188 | 556346 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 21.54 | 240 | 471446 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 24.63 | 264 | 540509 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.50 | 112 | 678102 | 119.64 | ng | 0.00 |
| 7) Phenol-d6 | 7.09 | 99 | 895973 | 117.72 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.07 | 82 | 539363 | 72.49 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.04 | 330 | 335770 | 107.23 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.17 | 172 | 1171325 | 73.54 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.91 | 244 | 1575250 | 68.73 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.38 | 88 | 90033 | 35.356 | ng | 99 |
| 3) Pyridine | 3.78 | 79 | 219209 | 32.311 | ng | 98 |
| 4) n-Nitrosodimethylamine | 3.69 | 42 | 108787 | 38.373 | ng | 95 |
| 6) Aniline | 7.24 | 93 | 199588 | 21.127 | ng | 97 |
| 8) 2-Chlorophenol | 7.48 | 128 | 284467 | 45.669 | ng | 99 |
| 9) Benzaldehyde | 7.05 | 77 | 126865 | 29.268 | ng | 98 |
| 10) Phenol | 7.11 | 94 | 349261 | 46.369 | ng | 97 |
| 11) bis(2-Chloroethyl)ether | 7.33 | 93 | 259745 | 40.336 | ng | 98 |
| 12) 1,3-Dichlorobenzene | 7.81 | 146 | 291165 | 39.150 | ng | 96 |
| 13) 1,4-Dichlorobenzene | 7.95 | 146 | 293711 | 39.874 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 8.27 | 146 | 275377 | 39.553 | ng | 99 |
| 15) Benzyl Alcohol | 8.15 | 79 | 225661 | 41.880 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.44 | 45 | 334507 | 38.380 | ng | 98 |
| 17) 2-Methylphenol | 8.36 | 107 | 238459 | 44.372 | ng | 98 |
| 18) Hexachloroethane | 9.00 | 117 | 105501 | 38.168 | ng | 98 |
| 19) n-Nitroso-di-n-propylamine | 8.72 | 70 | 201780 | 39.781 | ng | 98 |
| 20) 3+4-Methylphenols | 8.69 | 107 | 325758 | 43.984 | ng | 99 |
| 22) Acetophenone | 8.73 | 105 | 379587 | 37.147 | ng | 99 |
| 24) Nitrobenzene | 9.11 | 77 | 284960 | 39.232 | ng | 97 |
| 25) Isophorone | 9.63 | 82 | 545824 | 39.360 | ng | 99 |
| 26) 2-Nitrophenol | 9.83 | 139 | 159630 | 42.354 | ng | 99 |
| 27) 2,4-Dimethylphenol | 9.89 | 122 | 259268 | 48.733 | ng | 100 |
| 28) bis(2-Chloroethoxy)methane | 10.12 | 93 | 352993 | 38.157 | ng | 99 |
| 29) 2,4-Dichlorophenol | 10.36 | 162 | 273554 | 42.523 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.58 | 180 | 278238 | 37.720 | ng | 98 |
| 31) Naphthalene | 10.76 | 128 | 811885 | 39.839 | ng | 99 |
| 32) Benzoic acid | 10.05 | 122 | 128724 | 40.059 | ng | 94 |
| 33) 4-Chloroaniline | 10.87 | 127 | 78954 | 8.518 | ng | 98 |
| 34) Hexachlorobutadiene | 11.05 | 225 | 166820 | 36.753 | ng | 99 |
| 35) Caprolactam | 11.64 | 113 | 96585m | 40.986 | ng | |
| 36) 4-Chloro-3-methylphenol | 12.01 | 107 | 276536 | 41.000 | ng | 99 |
| 37) 2-Methylnaphthalene | 12.37 | 142 | 595351 | 39.346 | ng | 99 |
| 38) 1-Methylnaphthalene | 12.59 | 142 | 573651 | 40.213 | ng | 97 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.75 | 216 | 296335 | 37.141 | ng | 98 |

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.73 | 237 | 349037 | 91.171 ng | 99 |
| 43) 2,4,6-Trichlorophenol | 12.98 | 196 | 215021 | 41.694 ng | 99 |
| 44) 2,4,5-Trichlorophenol | 13.06 | 196 | 229736 | 43.614 ng | 99 |
| 46) 1,1'-Biphenyl | 13.38 | 154 | 753040 | 39.141 ng | 99 |
| 47) 2-Chloronaphthalene | 13.42 | 162 | 587602 | 38.381 ng | 99 |
| 48) 2-Nitroaniline | 13.62 | 65 | 168348 | 37.260 ng | 99 |
| 49) Acenaphthylene | 14.27 | 152 | 918894 | 40.922 ng | 100 |
| 50) Dimethylphthalate | 14.00 | 163 | 821064 | 42.824 ng | 99 |
| 51) 2,6-Dinitrotoluene | 14.12 | 165 | 167974 | 39.293 ng | 98 |
| 52) Acenaphthene | 14.62 | 154 | 563950 | 38.747 ng | 97 |
| 53) 3-Nitroaniline | 14.45 | 138 | 74884 | 15.833 ng | 95 |
| 54) 2,4-Dinitrophenol | 14.66 | 184 | 193812 | 76.845 ng | 97 |
| 55) Dibenzofuran | 14.95 | 168 | 873971 | 39.660 ng | 100 |
| 56) 4-Nitrophenol | 14.77 | 139 | 303120 | 87.495 ng | 98 |
| 57) 2,4-Dinitrotoluene | 14.91 | 165 | 229674 | 38.332 ng | 99 |
| 58) Fluorene | 15.60 | 166 | 683387 | 39.373 ng | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.18 | 232 | 195893 | 41.172 ng | 99 |
| 60) Diethylphthalate | 15.37 | 149 | 723483 | 37.870 ng | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.59 | 204 | 359986 | 38.252 ng | 99 |
| 62) 4-Nitroaniline | 15.61 | 138 | 159046 | 33.654 ng | 98 |
| 63) Azobenzene | 15.88 | 77 | 650777 | 38.867 ng | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 15.68 | 198 | 143759 | 46.811 ng | 98 |
| 66) n-Nitrosodiphenylamine | 15.81 | 169 | 640327 | 41.070 ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.48 | 248 | 235008 | 38.772 ng | 99 |
| 68) Hexachlorobenzene | 16.61 | 284 | 257755 | 37.957 ng | 98 |
| 69) Atrazine | 16.75 | 200 | 239383 | 44.795 ng | 97 |
| 70) Pentachlorophenol | 16.95 | 266 | 288652 | 83.899 ng | 97 |
| 71) Phenanthrene | 17.34 | 178 | 1169769 | 43.421 ng | 99 |
| 72) Anthracene | 17.43 | 178 | 1136205 | 42.659 ng | 99 |
| 73) Carbazole | 17.69 | 167 | 980029 | 39.913 ng | 100 |
| 74) Di-n-butylphthalate | 18.26 | 149 | 1199394 | 39.528 ng | 100 |
| 75) Fluoranthene | 19.35 | 202 | 1529363 | 49.073 ng | 97 |
| 77) Benzidine | 19.52 | 184 | 258732 | 19.786 ng | 97 |
| 78) Pyrene | 19.71 | 202 | 1521971 | 50.269 ng | 98 |
| 80) Butylbenzylphthalate | 20.60 | 149 | 546085 | 39.579 ng | 98 |
| 81) Benzo(a)anthracene | 21.52 | 228 | 1369670 | 47.140 ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.44 | 252 | 210331 | 18.652 ng | 97 |
| 83) Chrysene | 21.58 | 228 | 1267755 | 45.140 ng | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.44 | 149 | 779996 | 41.072 ng | 100 |
| 85) Di-n-octyl phthalate | 22.61 | 149 | 1363039 | 41.482 ng | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 28.14 | 276 | 1555119 | 42.442 ng | 100 |
| 88) Benzo(b)fluoranthene | 23.66 | 252 | 1459563 | 46.862 ng | 100 |
| 89) Benzo(k)fluoranthene | 23.72 | 252 | 1285816 | 42.358 ng | 99 |
| 90) Benzo(a)pyrene | 24.49 | 252 | 1316172 | 44.695 ng | 99 |
| 91) Dibenzo(a,h)anthracene | 28.20 | 278 | 1222338 | 41.941 ng | 98 |
| 92) Benzo(g,h,i)perylene | 29.23 | 276 | 1315455 | 45.088 ng | 99 |

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

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