Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012920\
Data File : BM024641.D
Acq On : 29 Jan 2020 09:37
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
mohammad
1/30/2020 10:18:38 AM

Quant Time: Jan 30 03:06:00 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 23 14:57:07 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.44 | 152 | 291370 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.20 | 136 | 1181994 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.09 | 164 | 930153 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 16.84 | 188 | 2275096 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 21.05 | 240 | 2369523 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 23.16 | 264 | 2386114 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.08 | 112 | 1239818 | 80.92 | ng | 0.00 |
| 7) Phenol-d6 | 6.65 | 99 | 1690112 | 80.08 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.59 | 82 | 1870259 | 77.60 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.59 | 330 | 1488886 | 98.40 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 12.70 | 172 | 5900187 | 86.24 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.50 | 244 | 11464674 | 90.33 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.08 | 88 | 230636 | 38.055 | ng | 92 |
| 3) Pyridine | 3.45 | 79 | 681734 | 38.803 | ng | 95 |
| 4) n-Nitrosodimethylamine | 3.37 | 42 | 275838 | 35.371 | ng | 88 |
| 6) Aniline | 6.79 | 93 | 1017330 | 39.595 | ng | 96 |
| 8) 2-Chlorophenol | 7.02 | 128 | 741975 | 42.542 | ng | 92 |
| 9) Benzaldehyde | 6.59 | 77 | 464622 | 37.257 | ng | 94 |
| 10) Phenol | 6.67 | 94 | 825165 | 39.221 | ng | 97 |
| 11) bis(2-Chloroethyl)ether | 6.89 | 93 | 676725 | 40.180 | ng | 95 |
| 12) 1,3-Dichlorobenzene | 7.33 | 146 | 942267 | 43.977 | ng | 97 |
| 13) 1,4-Dichlorobenzene | 7.47 | 146 | 959634 | 44.147 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 7.79 | 146 | 917664 | 43.736 | ng | 98 |
| 15) Benzyl Alcohol | 7.69 | 79 | 685742 | 39.407 | ng | 94 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.98 | 45 | 519968 | 33.723 | ng | 96 |
| 17) 2-Methylphenol | 7.89 | 107 | 615939 | 41.545 | ng | 97 |
| 18) Hexachloroethane | 8.50 | 117 | 348552 | 41.525 | ng | 94 |
| 19) n-Nitroso-di-n-propylamine | 8.26 | 70 | 595532 | 37.581 | ng | 94 |
| 20) 3+4-Methylphenols | 8.22 | 107 | 858890 | 41.850 | ng | 98 |
| 22) Acetophenone | 8.26 | 105 | 1241289 | 40.727 | ng | 96 |
| 24) Nitrobenzene | 8.63 | 77 | 892089 | 38.624 | ng | 93 |
| 25) Isophorone | 9.16 | 82 | 1616172 | 39.464 | ng | 97 |
| 26) 2-Nitrophenol | 9.33 | 139 | 485598 | 45.405 | ng | 91 |
| 27) 2,4-Dimethylphenol | 9.41 | 122 | 633193 | 43.569 | ng | 93 |
| 28) bis(2-Chloroethoxy)methane | 9.64 | 93 | 1019285 | 40.743 | ng | 99 |
| 29) 2,4-Dichlorophenol | 9.86 | 162 | 939987 | 47.873 | ng | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.07 | 180 | 1132640 | 47.829 | ng | 99 |
| 31) Naphthalene | 10.25 | 128 | 2620400 | 43.893 | ng | 99 |
| 32) Benzoic acid | 9.60 | 122 | 613027m | 46.111 | ng | |
| 33) 4-Chloroaniline | 10.36 | 127 | 1190930 | 45.511 | ng | 97 |
| 34) Hexachlorobutadiene | 10.55 | 225 | 796346 | 48.646 | ng | 98 |
| 35) Caprolactam | 11.17 | 113 | 284490m | 45.161 | ng | |
| 36) 4-Chloro-3-methylphenol | 11.51 | 107 | 916339 | 43.889 | ng | 92 |
| 37) 2-Methylnaphthalene | 11.87 | 142 | 2135730 | 46.357 | ng | 99 |
| 38) 1-Methylnaphthalene | 12.10 | 142 | 2048217 | 46.737 | ng | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.26 | 216 | 1453249 | 43.776 | ng | 99 |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012920\
Data File : BM024641.D
Acq On : 29 Jan 2020 09:37
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
mohammad
1/30/2020 10:18:38 AM

Quant Time: Jan 30 03:06:00 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 23 14:57:07 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.25 | 237 | 826738 | 44.430 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 12.50 | 196 | 951722 | 45.051 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 12.58 | 196 | 972968 | 45.098 | ng | | 96 |
| 46) 1,1'-Biphenyl | 12.92 | 154 | 3045693 | 43.268 | ng | | 98 |
| 47) 2-Chloronaphthalene | 12.95 | 162 | 2477334 | 43.594 | ng | | 97 |
| 48) 2-Nitroaniline | 13.16 | 65 | 629499 | 36.320 | ng | # | 85 |
| 49) Acenaphthylene | 13.81 | 152 | 3709136 | 43.600 | ng | | 100 |
| 50) Dimethylphthalate | 13.57 | 163 | 3307653 | 43.976 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 13.67 | 165 | 721834 | 45.140 | ng | # | 85 |
| 52) Acenaphthene | 14.16 | 154 | 2313029 | 43.816 | ng | | 100 |
| 53) 3-Nitroaniline | 14.00 | 138 | 726785 | 43.820 | ng | | 90 |
| 54) 2,4-Dinitrophenol | 14.21 | 184 | 455028 | 47.584 | ng | # | 87 |
| 55) Dibenzofuran | 14.50 | 168 | 3829817 | 44.485 | ng | | 97 |
| 56) 4-Nitrophenol | 14.33 | 139 | 565633 | 43.628 | ng | | 87 |
| 57) 2,4-Dinitrotoluene | 14.47 | 165 | 1055084 | 46.037 | ng | | 88 |
| 58) Fluorene | 15.15 | 166 | 3213267 | 44.413 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.73 | 232 | 1008508 | 46.095 | ng | # | 95 |
| 60) Diethylphthalate | 14.95 | 149 | 3306755 | 43.305 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 15.16 | 204 | 1846816 | 44.276 | ng | | 97 |
| 62) 4-Nitroaniline | 15.18 | 138 | 812299 | 44.370 | ng | | 92 |
| 63) Azobenzene | 15.44 | 77 | 2490485 | 38.236 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylphenol | 15.24 | 198 | 615408 | 46.005 | ng | | 89 |
| 66) n-Nitrosodiphenylamine | 15.37 | 169 | 2840924 | 43.471 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.05 | 248 | 1274011 | 45.030 | ng | | 95 |
| 68) Hexachlorobenzene | 16.16 | 284 | 1512193 | 46.576 | ng | | 98 |
| 69) Atrazine | 16.34 | 200 | 1013796 | 40.414 | ng | | 99 |
| 70) Pentachlorophenol | 16.50 | 266 | 911338 | 46.082 | ng | | 99 |
| 71) Phenanthrene | 16.89 | 178 | 5436169 | 44.125 | ng | | 99 |
| 72) Anthracene | 16.97 | 178 | 5343607 | 44.328 | ng | | 100 |
| 73) Carbazole | 17.25 | 167 | 4886157 | 44.525 | ng | | 100 |
| 74) Di-n-butylphthalate | 17.84 | 149 | 6036053 | 43.025 | ng | | 99 |
| 75) Fluoranthene | 18.91 | 202 | 6887787 | 44.794 | ng | | 99 |
| 77) Benzidine | 19.10 | 184 | 2769489 | 50.187 | ng | | 100 |
| 78) Pyrene | 19.27 | 202 | 7109107 | 45.511 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.22 | 149 | 2849742 | 43.476 | ng | | 91 |
| 81) Benzo(a)anthracene | 21.04 | 228 | 7251249 | 44.092 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 20.98 | 252 | 2736556 | 46.257 | ng | | 100 |
| 83) Chrysene | 21.09 | 228 | 6906530 | 44.011 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.01 | 149 | 4125075 | 42.652 | ng | # | 97 |
| 85) Di-n-octyl phthalate | 21.86 | 149 | 6702582 | 41.947 | ng | # | 96 |
| 86) Indeno(1,2,3-cd)pyrene | 25.24 | 276 | 6676804 | 39.036 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 22.54 | 252 | 6994158 | 45.194 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 22.59 | 252 | 7019930 | 46.472 | ng | | 99 |
| 90) Benzo(a)pyrene | 23.07 | 252 | 6352433 | 45.148 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 25.25 | 278 | 5566521 | 41.683 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 25.86 | 276 | 5243204 | 43.239 | ng | | 98 |

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012920\
Data File : BM024641.D
Acq On : 29 Jan 2020 09:37
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 30 03:06:00 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 23 14:57:07 2020
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
mohammad
1/30/2020 10:18:38 AM