Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070920\
Data File : BG045994.D
Acq On : 9 Jul 2020 14:35
Operator : CG/JU
Sample : L3216-03
Misc : MDL-SOIL-4PPM
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Manual Integrations APPROVED

Quant Time: Jul 09 15:18:08 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 09 11:56:43 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) | |
|---|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.00 | 152 | 146144 | 20.00 | ng | | 0.00 | |
| 21) Naphthalene-d8 | 10.81 | 136 | 594831 | 20.00 | ng | | 0.00 | |
| 39) Acenaphthene-d10 | 14.63 | 164 | 346221 | 20.00 | ng | | 0.00 | |
| 64) Phenanthrene-d10 | 17.37 | 188 | 710700 | 20.00 | ng | | 0.00 | |
| 76) Chrysene-d12 | 21.63 | 240 | 648286 | 20.00 | ng | | 0.00 | |
| 86) Perylene-d12 | 24.78 | 264 | 630548 | 20.00 | ng | | -0.02 | mohammad |
| **System Monitoring Compounds** | | | | | | | | |
| 5) 2-Fluorophenol | 5.58 | 112 | 1235344 | 137.08 | ng | | 0.00 | |
| 7) Phenol-d6 | 7.16 | 99 | 1724578 | 132.92 | ng | | 0.00 | |
| 23) Nitrobenzene-d5 | 9.16 | 82 | 858121 | 83.03 | ng | | 0.00 | 7/10/2020 11:47:08 AM |
| 42) 2,4,6-Tribromophenol | 16.11 | 330 | 463505 | 144.25 | ng | | 0.00 | |
| 45) 2-Fluorobiphenyl | 13.26 | 172 | 1631270 | 73.49 | ng | | 0.00 | |
| 79) Terphenyl-d14 | 19.98 | 244 | 1706668 | 58.59 | ng | | 0.00 | |
| **Target Compounds** | | | | | | | Qvalue | |
| 2) 1,4-Dioxane | 3.52 | 88 | 17244 | 4.147 | ng | | 98 | |
| 3) Pyridine | 3.91 | 79 | 38799 | 3.086 | ng | | 95 | |
| 4) n-Nitrosodimethylamine | 3.82 | 42 | 15264 | 3.591 | ng | # | 81 | |
| 6) Aniline | 7.33 | 93 | 62264 | 3.751 | ng | | 97 | |
| 8) 2-Chlorophenol | 7.57 | 128 | 35302 | 3.639 | ng | | 92 | |
| 9) Benzaldehyde | 7.15 | 77 | 43528 | 5.295 | ng | | 88 | |
| 10) Phenol | 7.19 | 94 | 48413 | 3.720 | ng | | 88 | |
| 11) bis(2-Chloroethyl)ether | 7.43 | 93 | 40305 | 3.745 | ng | | 93 | |
| 12) 1,3-Dichlorobenzene | 7.90 | 146 | 40830 | 3.651 | ng | | 93 | |
| 13) 1,4-Dichlorobenzene | 8.04 | 146 | 40885 | 3.717 | ng | | 91 | |
| 14) 1,2-Dichlorobenzene | 8.36 | 146 | 37961 | 3.586 | ng | | 97 | |
| 15) Benzyl Alcohol | 8.23 | 79 | 33572 | 3.300 | ng | | 96 | |
| 16) 2,2'-oxybis(1-Chloropropan | 8.54 | 45 | 50161 | 3.572 | ng | | 95 | |
| 17) 2-Methylphenol | 8.44 | 107 | 31682 | 3.244 | ng | | 96 | |
| 18) Hexachloroethane | 9.09 | 117 | 15826 | 3.739 | ng | | 86 | |
| 19) n-Nitroso-di-n-propylamine | 8.80 | 70 | 33768 | 3.705 | ng | | 98 | |
| 20) 3+4-Methylphenols | 8.76 | 107 | 42501 | 3.193 | ng | | 97 | |
| 22) Acetophenone | 8.82 | 105 | 59865 | 3.767 | ng | # | 98 | |
| 24) Nitrobenzene | 9.20 | 77 | 48608 | 4.261 | ng | # | 97 | |
| 25) Isophorone | 9.72 | 82 | 86799 | 3.440 | ng | | 99 | |
| 26) 2-Nitrophenol | 9.91 | 139 | 12909 | 3.472 | ng | | 89 | |
| 27) 2,4-Dimethylphenol | 9.97 | 122 | 31309 | 3.487 | ng | | 97 | |
| 28) bis(2-Chloroethoxy)methane | 10.21 | 93 | 51776 | 3.655 | ng | | 99 | |
| 29) 2,4-Dichlorophenol | 10.44 | 162 | 28505 | 3.066 | ng | | 97 | |
| 30) 1,2,4-Trichlorobenzene | 10.66 | 180 | 34729 | 3.372 | ng | | 98 | |
| 31) Naphthalene | 10.85 | 128 | 119988 | 3.763 | ng | | 96 | |
| 33) 4-Chloroaniline | 10.95 | 127 | 46397 | 3.256 | ng | | 98 | |
| 34) Hexachlorobutadiene | 11.16 | 225 | 19256 | 3.202 | ng | | 98 | |
| 35) Caprolactam | 11.69 | 113 | 10404 | 2.948 | ng | # | 86 | |
| 36) 4-Chloro-3-methylphenol | 12.07 | 107 | 31498 | 2.975 | ng | # | 89 | |
| 37) 2-Methylnaphthalene | 12.46 | 142 | 83045 | 3.664 | ng | | 97 | |
| 38) 1-Methylnaphthalene | 12.67 | 142 | 80736 | 3.774 | ng | | 94 | |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.83 | 216 | 37437 | 3.836 | ng | | 96 | |
| 41) Hexachlorocyclopentadiene | 12.81 | 237 | 19881 | 3.433 | ng | | 92 | |

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070920\
Data File : BG045994.D
Acq On : 9 Jul 2020 14:35
Operator : CG/JU
Sample : L3216-03
Misc : MDL-SOIL-4PPM
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Manual Integrations APPROVED

Quant Time: Jul 09 15:18:08 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 09 11:56:43 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 43) 2,4,6-Trichlorophenol | 13.06 | 196 | 20406 | 3.092 | ng | | 94 |
| 44) 2,4,5-Trichlorophenol | 13.13 | 196 | 22277 | 2.985 | ng | # | 95 |
| 46) 1,1'-Biphenyl | 13.46 | 154 | 107413 | 4.124 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.50 | 162 | 75167 | 3.658 | ng | | 98 |
| 48) 2-Nitroaniline | 13.69 | 65 | 18930 | 3.936 | ng | | 97 |
| 49) Acenaphthylene | 14.35 | 152 | 128442 | 3.874 | ng | | 95 |
| 50) Dimethylphthalate | 14.08 | 163 | 90832 | 3.496 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.19 | 165 | 15866 | 3.935 | ng | | 87 |
| 52) Acenaphthene | 14.69 | 154 | 73451 | 3.512 | ng | | 93 |
| 53) 3-Nitroaniline | 14.51 | 138 | 16948 | 3.392 | ng | # | 95 |
| 55) Dibenzofuran | 15.02 | 168 | 116013 | 3.784 | ng | | 99 |
| 56) 4-Nitrophenol | 14.81 | 139 | 12331 | 2.913 | ng | | 88 |
| 57) 2,4-Dinitrotoluene | 14.97 | 165 | 19402 | 3.895 | ng | | 89 |
| 58) Fluorene | 15.68 | 166 | 93793 | 3.730 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.25 | 232 | 18853 | 3.272 | ng | | 94 |
| 60) Diethylphthalate | 15.45 | 149 | 93362 | 3.426 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.67 | 204 | 44218 | 3.534 | ng | | 98 |
| 62) 4-Nitroaniline | 15.67 | 138 | 18409 | 3.428 | ng | | 93 |
| 63) Azobenzene | 15.96 | 77 | 111786 | 3.822 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 15.74 | 198 | 5124 | 2.462 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 15.88 | 169 | 79854 | 3.626 | ng | | 95 |
| 67) 4-Bromophenyl-phenylether | 16.57 | 248 | 26478 | 3.336 | ng | | 90 |
| 68) Hexachlorobenzene | 16.68 | 284 | 28622 | 3.593 | ng | | 96 |
| 69) Atrazine | 16.83 | 200 | 25746 | 3.954 | ng | | 97 |
| 70) Pentachlorophenol | 17.02 | 266 | 9884 | 2.232 | ng | | 96 |
| 71) Phenanthrene | 17.41 | 178 | 145835m | 3.881 | ng | | |
| 72) Anthracene | 17.50 | 178 | 146966 | 3.854 | ng | | 95 |
| 73) Carbazole | 17.76 | 167 | 134617 | 3.522 | ng | | 96 |
| 74) Di-n-butylphthalate | 18.34 | 149 | 157517 | 3.411 | ng | # | 95 |
| 75) Fluoranthene | 19.42 | 202 | 166600 | 3.836 | ng | | 93 |
| 77) Benzidine | 19.59 | 184 | 74322 | 4.010 | ng | | 100 |
| 78) Pyrene | 19.78 | 202 | 172971 | 3.909 | ng | | 95 |
| 80) Butylbenzylphthalate | 20.67 | 149 | 60833 | 2.909 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.60 | 228 | 157437 | 3.693 | ng | | 92 |
| 82) 3,3'-Dichlorobenzidine | 21.52 | 252 | 53112 | 3.372 | ng | | 95 |
| 83) Chrysene | 21.67 | 228 | 146005 | 3.595 | ng | | 97 |
| 84) Bis(2-ethylhexyl)phthalate | 21.54 | 149 | 94594 | 3.116 | ng | # | 92 |
| 85) Di-n-octyl phthalate | 22.75 | 149 | 148199 | 2.813 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 28.34 | 276 | 159305 | 3.453 | ng | # | 91 |
| 88) Benzo(b)fluoranthene | 23.78 | 252 | 144852 | 3.619 | ng | | 97 |
| 89) Benzo(k)fluoranthene | 23.85 | 252 | 147839 | 3.906 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.63 | 252 | 133564 | 3.549 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 28.42 | 278 | 135468 | 3.641 | ng | | 94 |
| 92) Benzo(g,h,i)perylene | 29.45 | 276 | 135621 | 3.622 | ng | | 99 |

mohammad
7/10/2020 11:47:08 AM

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070920\
Data File : BG045994.D
Acq On : 9 Jul 2020 14:35
Operator : CG/JU
Sample : L3216-03
Misc : MDL-SOIL-4PPM
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 09 15:18:08 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 09 11:56:43 2020
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
MDL-SOIL-03-QT3-2020

**Manual Integrations APPROVED**