Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080221\
Data File : BG049605.D
Acq On : 2 Aug 2021 15:46
Operator : CG/JU
Sample : M2262-01
Misc : LOD-MDL-SOIL 8ppm
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
LOD-MDL-SOIL-01-QT2-2021

**Manual Integrations APPROVED**
mohammad
8/3/2021 11:49:42 AM

Quant Time: Aug 02 16:22:00 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 02 14:56:43 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.049 | 152 | 33679 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.869 | 136 | 136367 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.699 | 164 | 95063 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.448 | 188 | 203689 | 20.000 | ng | # | 0.00 |
| 76) Chrysene-d12 | 21.730 | 240 | 205384 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 25.014 | 264 | 215339 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.599 | 112 | 207518 | 104.539 | ng | | 0.00 |
| 7) Phenol-d6 | 7.209 | 99 | 304907 | 105.467 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.218 | 82 | 224965 | 73.914 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.191 | 330 | 154753 | 121.559 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.324 | 172 | 482718 | 73.067 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.062 | 244 | 815262 | 77.522 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.461 | 88 | 5725 | 6.366 | ng | | 96 |
| 3) Pyridine | 3.884 | 79 | 12047 | 5.257 | ng | | 94 |
| 4) n-Nitrosodimethylamine | 3.796 | 42 | 8657m | 7.692 | ng | | |
| 6) Aniline | 7.367 | 93 | 23258 | 7.439 | ng | | 97 |
| 8) 2-Chlorophenol | 7.608 | 128 | 13583 | 6.673 | ng | | 89 |
| 9) Benzaldehyde | 7.185 | 77 | 15866 | 8.261 | ng | | 89 |
| 10) Phenol | 7.232 | 94 | 17899 | 6.500 | ng | | 100 |
| 11) bis(2-Chloroethyl)ether | 7.467 | 93 | 12789 | 6.779 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 7.943 | 146 | 15740 | 6.540 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 8.090 | 146 | 16706 | 6.970 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.401 | 146 | 16319 | 7.048 | ng | | 94 |
| 15) Benzyl Alcohol | 8.290 | 79 | 16326 | 6.909 | ng | # | 90 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.572 | 45 | 14964 | 6.791 | ng | | 94 |
| 17) 2-Methylphenol | 8.495 | 107 | 12749 | 6.953 | ng | | 97 |
| 18) Hexachloroethane | 9.141 | 117 | 6364 | 6.832 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 8.860 | 70 | 13372 | 7.040 | ng | # | 89 |
| 20) 3+4-Methylphenols | 8.824 | 107 | 17425 | 6.935 | ng | | 94 |
| 22) Acetophenone | 8.877 | 105 | 26062 | 7.137 | ng | # | 97 |
| 24) Nitrobenzene | 9.259 | 77 | 22054 | 6.899 | ng | | 97 |
| 25) Isophorone | 9.782 | 82 | 35692 | 6.619 | ng | # | 94 |
| 26) 2-Nitrophenol | 9.976 | 139 | 7884 | 6.795 | ng | | 88 |
| 27) 2,4-Dimethylphenol | 10.028 | 122 | 14063 | 7.581 | ng | # | 86 |
| 28) bis(2-Chloroethoxy)met... | 10.269 | 93 | 18268 | 7.593 | ng | # | 95 |
| 29) 2,4-Dichlorophenol | 10.522 | 162 | 15109 | 7.024 | ng | | 91 |
| 30) 1,2,4-Trichlorobenzene | 10.733 | 180 | 16473 | 6.781 | ng | | 91 |
| 31) Naphthalene | 10.921 | 128 | 48882 | 6.797 | ng | | 97 |
| 32) Benzoic acid | 10.140 | 122 | 3427m | 2.812 | ng | | |
| 33) 4-Chloroaniline | 11.033 | 127 | 20890 | 7.612 | ng | # | 89 |
| 34) Hexachlorobutadiene | 11.203 | 225 | 11960 | 6.870 | ng | | 97 |
| 35) Caprolactam | 11.785 | 113 | 4434 | 6.638 | ng | | 92 |
| 36) 4-Chloro-3-methylphenol | 12.149 | 107 | 16216 | 6.392 | ng | | 95 |
| 37) 2-Methylnaphthalene | 12.531 | 142 | 38211 | 7.280 | ng | | 95 |
| 38) 1-Methylnaphthalene | 12.742 | 142 | 33058 | 6.587 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 12.895 | 216 | 20507 | 7.295 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 12.872 | 237 | 7394 | 5.892 | ng | | 94 |
| 43) 2,4,6-Trichlorophenol | 13.136 | 196 | 12234 | 6.673 | ng | | 93 |

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ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
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**ClientSampleId :**
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 02 14:56:43 2021
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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.212 | 196 | 13641 | 6.878 | ng | # | 84 |
| 46) 1,1'-Biphenyl | 13.530 | 154 | 49226 | 7.063 | ng | | 93 |
| 47) 2-Chloronaphthalene | 13.577 | 162 | 36442 | 6.808 | ng | | 99 |
| 48) 2-Nitroaniline | 13.776 | 65 | 12816 | 6.880 | ng | | 89 |
| 49) Acenaphthylene | 14.423 | 152 | 59673 | 6.876 | ng | | 95 |
| 50) Dimethylphthalate | 14.146 | 163 | 49026 | 7.099 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.264 | 165 | 10328 | 6.888 | ng | # | 87 |
| 52) Acenaphthene | 14.763 | 154 | 34626 | 6.610 | ng | | 99 |
| 53) 3-Nitroaniline | 14.605 | 138 | 9801 | 6.519 | ng | | 85 |
| 54) 2,4-Dinitrophenol | 14.810 | 184 | 4914 | 7.786 | ng | # | 89 |
| 55) Dibenzofuran | 15.098 | 168 | 57147 | 6.799 | ng | # | 97 |
| 56) 4-Nitrophenol | 14.910 | 139 | 6861 | 5.785 | ng | # | 77 |
| 57) 2,4-Dinitrotoluene | 15.063 | 165 | 14775 | 7.130 | ng | # | 98 |
| 58) Fluorene | 15.750 | 166 | 45765 | 6.719 | ng | | 91 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.327 | 232 | 12247 | 6.754 | ng | # | 93 |
| 60) Diethylphthalate | 15.509 | 149 | 50011 | 7.209 | ng | | 95 |
| 61) 4-Chlorophenyl-phenyle... | 15.738 | 204 | 24767 | 7.149 | ng | | 100 |
| 62) 4-Nitroaniline | 15.762 | 138 | 9901 | 6.257 | ng | | 84 |
| 63) Azobenzene | 16.032 | 77 | 50431 | 6.565 | ng | | 88 |
| 65) 4,6-Dinitro-2-methylph... | 15.827 | 198 | 6272 | 5.684 | ng | | 78 |
| 66) n-Nitrosodiphenylamine | 15.950 | 169 | 38835 | 6.638 | ng | | 94 |
| 67) 4-Bromophenyl-phenylether | 16.631 | 248 | 15756 | 6.829 | ng | | 96 |
| 68) Hexachlorobenzene | 16.755 | 284 | 18450 | 7.062 | ng | | 96 |
| 69) Atrazine | 16.896 | 200 | 17212 | 7.424 | ng | | 94 |
| 70) Pentachlorophenol | 17.107 | 266 | 6671 | 5.682 | ng | # | 89 |
| 71) Phenanthrene | 17.489 | 178 | 73647 | 6.726 | ng | | 96 |
| 72) Anthracene | 17.583 | 178 | 73753 | 6.853 | ng | | 98 |
| 73) Carbazole | 17.853 | 167 | 65647 | 6.413 | ng | | 96 |
| 74) Di-n-butylphthalate | 18.405 | 149 | 79846 | 6.840 | ng | | 97 |
| 75) Fluoranthene | 19.498 | 202 | 89674 | 6.578 | ng | | 98 |
| 77) Benzidine | 19.680 | 184 | 39615 | 6.969 | ng | | 98 |
| 78) Pyrene | 19.862 | 202 | 92733 | 6.879 | ng | | 97 |
| 80) Butylbenzylphthalate | 20.743 | 149 | 32914 | 6.715 | ng | | 91 |
| 81) Benzo(a)anthracene | 21.707 | 228 | 88237 | 6.782 | ng | | 94 |
| 82) 3,3'-Dichlorobenzidine | 21.619 | 252 | 34089 | 9.083 | ng | | 96 |
| 83) Chrysene | 21.777 | 228 | 84592 | 6.743 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 21.607 | 149 | 49927 | 6.792 | ng | # | 93 |
| 85) Di-n-octyl phthalate | 22.835 | 149 | 82537 | 6.501 | ng | # | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 28.750 | 276 | 100799 | 6.612 | ng | | 96 |
| 88) Benzo(b)fluoranthene | 23.968 | 252 | 90416m | 6.516 | ng | | |
| 89) Benzo(k)fluoranthene | 24.033 | 252 | 87035 | 6.744 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.850 | 252 | 86384 | 6.869 | ng | # | 96 |
| 91) Dibenzo(a,h)anthracene | 28.815 | 278 | 87121 | 6.805 | ng | # | 98 |
| 92) Benzo(g,h,i)perylene | 29.919 | 276 | 84125 | 6.641 | ng | # | 93 |

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

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