Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102523\
Data File : BM042449.D
Acq On : 25 Oct 2023 22:07
Operator : MA/JU
Sample : 04989-01MSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
TRENCHWAY-SOIL-PILEMSD

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023

Quant Time: Oct 26 00:50:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 21 02:32:53 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.992 | 152 | 143545 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.816 | 136 | 575000 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.633 | 164 | 332224 | 20.000 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 17.386 | 188 | 706156 | 20.000 | ng | | -0.01 |
| 76) Chrysene-d12 | 21.568 | 240 | 676826 | 20.000 | ng | | -0.01 |
| 86) Perylene-d12 | 24.027 | 264 | 741102 | 20.000 | ng | | -0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.522 | 112 | 997805 | 98.242 | ng | | 0.00 |
| 7) Phenol-d6 | 7.145 | 99 | 1299832 | 95.498 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.192 | 82 | 868355 | 66.780 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.133 | 330 | 458209 | 125.251 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.257 | 172 | 1674108 | 67.857 | ng | | -0.01 |
| 79) Terphenyl-d14 | 19.997 | 244 | 2544811 | 66.682 | ng | | -0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.387 | 88 | 179909 | 37.617 | ng | | 96 |
| 3) Pyridine | 3.804 | 79 | 460399 | 32.811 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.734 | 42 | 260708 | 36.800 | ng | | 91 |
| 6) Aniline | 7.328 | 93 | 447880 | 25.845 | ng | | 99 |
| 8) 2-Chlorophenol | 7.545 | 128 | 481837 | 47.810 | ng | | 96 |
| 9) Benzaldehyde | 7.151 | 77 | 152962 | 19.295 | ng | | 98 |
| 10) Phenol | 7.175 | 94 | 627233 | 44.598 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.428 | 93 | 490660 | 42.492 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.869 | 146 | 514995 | 49.404 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 8.028 | 146 | 530341 | 50.542 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.339 | 146 | 509916 | 50.609 | ng | | 97 |
| 15) Benzyl Alcohol | 8.251 | 79 | 456705 | 45.264 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.522 | 45 | 769522m | 42.117 | ng | | |
| 17) 2-Methylphenol | 8.434 | 107 | 407793 | 43.939 | ng | | 99 |
| 18) Hexachloroethane | 9.057 | 117 | 203858 | 50.466 | ng | # | 90 |
| 19) n-Nitroso-di-n-propyla... | 8.810 | 70 | 403019 | 43.687 | ng | | 96 |
| 20) 3+4-Methylphenols | 8.763 | 107 | 546841 | 43.929 | ng | | 99 |
| 22) Acetophenone | 8.839 | 105 | 728420 | 46.435 | ng | | 97 |
| 24) Nitrobenzene | 9.233 | 77 | 585945 | 45.041 | ng | | 97 |
| 25) Isophorone | 9.745 | 82 | 1063199 | 48.113 | ng | | 98 |
| 26) 2-Nitrophenol | 9.933 | 139 | 258555 | 51.434 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 9.975 | 122 | 404989 | 45.182 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 10.227 | 93 | 642955 | 45.923 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.457 | 162 | 447784 | 57.445 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.663 | 180 | 475512 | 56.903 | ng | | 97 |
| 31) Naphthalene | 10.863 | 128 | 1465773 | 49.629 | ng | | 100 |
| 32) Benzoic acid | 10.116 | 122 | 360411 | 54.201 | ng | | 98 |
| 33) 4-Chloroaniline | 10.998 | 127 | 232499 | 18.131 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.092 | 225 | 284631 | 62.944 | ng | | 98 |
| 35) Caprolactam | 11.827 | 113 | 148532 | 48.002 | ng | | 92 |
| 36) 4-Chloro-3-methylphenol | 12.098 | 107 | 493874 | 52.503 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.469 | 142 | 971293 | 48.854 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.686 | 142 | 946119 | 50.797 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 12.816 | 216 | 532529 | 55.446 | ng | | 97 |
| 41) Hexachlorocyclopentadiene | 12.763 | 237 | 358944 | 69.561 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.069 | 196 | 351764 | 56.577 | ng | | 97 |

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Misc :
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Quant Time: Oct 26 00:50:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 21 02:32:53 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.139 | 196 | 383541 | 52.184 | ng | | 94 |
| 46) 1,1'-Biphenyl | 13.474 | 154 | 1286815 | 48.825 | ng | | 97 |
| 47) 2-Chloronaphthalene | 13.521 | 162 | 971153 | 50.225 | ng | | 98 |
| 48) 2-Nitroaniline | 13.757 | 65 | 348936 | 41.388 | ng | | 90 |
| 49) Acenaphthylene | 14.368 | 152 | 1619694 | 51.886 | ng | | 100 |
| 50) Dimethylphthalate | 14.104 | 163 | 1189572 | 48.815 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.245 | 165 | 259553 | 47.222 | ng | | 85 |
| 52) Acenaphthene | 14.704 | 154 | 921426 | 48.824 | ng | | 99 |
| 53) 3-Nitroaniline | 14.580 | 138 | 195497 | 31.191 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 14.786 | 184 | 237922 | 70.848 | ng | | 92 |
| 55) Dibenzofuran | 15.033 | 168 | 1481442 | 49.630 | ng | | 97 |
| 56) 4-Nitrophenol | 14.874 | 139 | 506878 | 102.129 | ng | | 93 |
| 57) 2,4-Dinitrotoluene | 15.027 | 165 | 354258 | 48.127 | ng | | 85 |
| 58) Fluorene | 15.686 | 166 | 1193594 | 50.673 | ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.251 | 232 | 336276 | 60.904 | ng | | 89 |
| 60) Diethylphthalate | 15.445 | 149 | 1190182 | 49.492 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 15.674 | 204 | 602601 | 54.323 | ng | | 92 |
| 62) 4-Nitroaniline | 15.745 | 138 | 263984 | 42.628 | ng | | 96 |
| 63) Azobenzene | 15.968 | 77 | 1312967 | 45.508 | ng | | 94 |
| 65) 4,6-Dinitro-2-methylph... | 15.774 | 198 | 158300 | 36.731 | ng | | 83 |
| 66) n-Nitrosodiphenylamine | 15.898 | 169 | 1014067 | 47.678 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.568 | 248 | 317613 | 48.529 | ng | | 95 |
| 68) Hexachlorobenzene | 16.657 | 284 | 418610 | 59.838 | ng | # | 91 |
| 69) Atrazine | 16.845 | 200 | 373641 | 69.274 | ng | | 99 |
| 70) Pentachlorophenol | 17.015 | 266 | 604767 | 101.790 | ng | | 99 |
| 71) Phenanthrene | 17.433 | 178 | 1932714 | 50.311 | ng | | 100 |
| 72) Anthracene | 17.521 | 178 | 1906997 | 50.124 | ng | | 99 |
| 73) Carbazole | 17.809 | 167 | 1770811 | 49.614 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.327 | 149 | 2207020 | 48.784 | ng | | 99 |
| 75) Fluoranthene | 19.439 | 202 | 2407698 | 56.908 | ng | | 98 |
| 77) Benzidine | 19.650 | 184 | 1230299 | 125.672 | ng | | 99 |
| 78) Pyrene | 19.809 | 202 | 2477719 | 52.387 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.686 | 149 | 1061148 | 49.394 | ng | | 90 |
| 81) Benzo(a)anthracene | 21.550 | 228 | 2379310 | 52.439 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.491 | 252 | 744799 | 54.988 | ng | # | 97 |
| 83) Chrysene | 21.609 | 228 | 2142517 | 49.164 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.427 | 149 | 1560981 | 50.990 | ng | # | 96 |
| 85) Di-n-octyl phthalate | 22.374 | 149 | 2722203 | 51.486 | ng | | 95 |
| 87) Indeno(1,2,3-cd)pyrene | 26.615 | 276 | 2538807 | 46.876 | ng | | 94 |
| 88) Benzo(b)fluoranthene | 23.268 | 252 | 2312399m | 51.837 | ng | | |
| 89) Benzo(k)fluoranthene | 23.315 | 252 | 2114375 | 45.653 | ng | | 98 |
| 90) Benzo(a)pyrene | 23.921 | 252 | 1986036 | 46.255 | ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 26.632 | 278 | 2090143 | 46.417 | ng | # | 95 |
| 92) Benzo(g,h,i)perylene | 27.421 | 276 | 2015981 | 46.100 | ng | | 94 |

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

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