Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100523\
Data File : BG059296.D
Acq On : 5 Oct 2023 14:41
Operator : MA/JU
Sample : 04527-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
EZYK6

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 10/06/2023
Supervised By :mohammad ahmed 10/06/2023

Quant Time: Oct 06 00:11:44 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG092723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 28 04:33:25 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.237 | 152 | 33604 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 11.075 | 136 | 158453 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.864 | 164 | 98221 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.614 | 188 | 210708 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.921 | 240 | 172058 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 25.411 | 264 | 210662 | 20.000 | ng/ul | # 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.531 | 96 | 3914 | 4.396 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.965 | 84 | 5050 | 1.944 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.361 | 99 | 49580 | 14.740 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.550 | 67 | 36774 | 17.114 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.749 | 132 | 11731 | 5.188 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.924 | 113 | 11239 | 4.322 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.430 | 128 | 23947 | 21.417 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 10.141 | 143 | 6156 | 5.608 | ng/ul | -0.01 |
| 28) 2,4-Dichlorophenol-d3 | 10.675 | 165 | 1630 | 0.723 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.222 | 131 | 50786 | 13.921 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.259 | 166 | 166610 | 23.462 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.571 | 160 | 213862 | 23.993 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 0.000 | 143 | 0 | 0.000 | ng/ul | |
| 60) Fluorene-d10 | 15.852 | 176 | 161989 | 23.967 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.904 | 200 | 163 | 0.150 | ng/ul | -0.06 |
| 73) Anthracene-d10 | 17.714 | 188 | 209187 | 21.788 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.988 | 212 | 255317 | 26.498 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 25.170 | 264 | 237843 | 23.495 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 16) Acetophenone | 9.077 | 105 | 19013 | 4.721 | ng/ul | 91 |
| 36) 2-Methylnaphthalene | 12.714 | 142 | 7411 | 1.332 | ng/ul | 83 |
| 72) Phenanthrene | 17.655 | 178 | 20572 | 1.779 | ng/ul# | 90 |
| 80) Fluoranthene | 19.653 | 202 | 46503 | 3.918 | ng/ul# | 94 |
| 82) Pyrene | 20.017 | 202 | 51124 | 4.066 | ng/ul# | 95 |
| 85) Benzo(a)anthracene | 21.903 | 228 | 17619m | 1.455 | ng/ul | |
| 87) Chrysene | 21.968 | 228 | 69835m | 6.105 | ng/ul | |
| 90) Benzo(b)fluoranthene | 24.283 | 252 | 71916 | 5.574 | ng/ul# | 74 |
| 91) Benzo(k)fluoranthene | 24.342 | 252 | 23460m | 1.794 | ng/ul | |
| 93) Benzo(a)pyrene | 25.235 | 252 | 22790 | 1.862 | ng/ul# | 45 |
| 94) Indeno(1,2,3-cd)pyrene | 29.441 | 276 | 31254m | 2.256 | ng/ul | |
| 96) Benzo(g,h,i)perylene | 30.716 | 276 | 34948m | 3.102 | ng/ul | |

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

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