Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100523\
Data File : BG059294.D
Acq On : 5 Oct 2023 13:19
Operator : MA/JU
Sample : 04527-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 05 23:54:57 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

**Instrument :**
BNA_G
**ClientSampleId :**
EZYY7

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/06/2023
Supervised By :mohammad ahmed 10/06/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.231 | 152 | 29665 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 11.074 | 136 | 140696 | 20.000 | ng/ul | # 0.00 |
| 38) Acenaphthene-d10 | 14.864 | 164 | 89664 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.614 | 188 | 188931m | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.915 | 240 | 158115 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 25.393 | 264 | 187663 | 20.000 | ng/ul | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.524 | 96 | 2461m | 3.131 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.971 | 84 | 4600 | 2.006 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.361 | 99 | 55719 | 18.764 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.549 | 67 | 34825 | 18.359 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.749 | 132 | 43339 | 21.712 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.930 | 113 | 16543 | 7.207 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.429 | 128 | 23711 | 23.882 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 10.152 | 143 | 26732 | 27.427 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.681 | 165 | 42189 | 21.071 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.221 | 131 | 43467 | 13.418 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.259 | 166 | 150829 | 23.266 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.570 | 160 | 185669 | 22.818 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 15.058 | 143 | 19362 | 17.103 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.851 | 176 | 147744 | 23.945 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.963 | 200 | 12382m | 12.750 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.714 | 188 | 199944 | 23.226 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.988 | 212 | 230815 | 26.067 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 25.152 | 264 | 221395 | 24.550 | ng/ul | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 16) Acetophenone | 9.077 | 105 | 13558m | 3.814 | ng/ul | |
| 30) Naphthalene | 11.121 | 128 | 8785 | 1.165 | ng/ul# | 90 |
| 72) Phenanthrene | 17.655 | 178 | 13824 | 1.333 | ng/ul | 98 |
| 80) Fluoranthene | 19.653 | 202 | 34011 | 3.118 | ng/ul# | 93 |
| 82) Pyrene | 20.017 | 202 | 28346 | 2.453 | ng/ul# | 93 |
| 85) Benzo(a)anthracene | 21.891 | 228 | 23427m | 2.105 | ng/ul | |
| 87) Chrysene | 21.962 | 228 | 35796 | 3.405 | ng/ul# | 89 |
| 90) Benzo(b)fluoranthene | 24.271 | 252 | 66637 | 5.798 | ng/ul# | 91 |
| 91) Benzo(k)fluoranthene | 24.335 | 252 | 17921 | 1.539 | ng/ul# | 73 |
| 93) Benzo(a)pyrene | 25.228 | 252 | 31995 | 2.934 | ng/ul# | 78 |
| 94) Indeno(1,2,3-cd)pyrene | 29.412 | 276 | 37790m | 3.062 | ng/ul | |
| 96) Benzo(g,h,i)perylene | 30.693 | 276 | 41351m | 4.120 | ng/ul | |

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

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