Quantitation Report (Qedit)

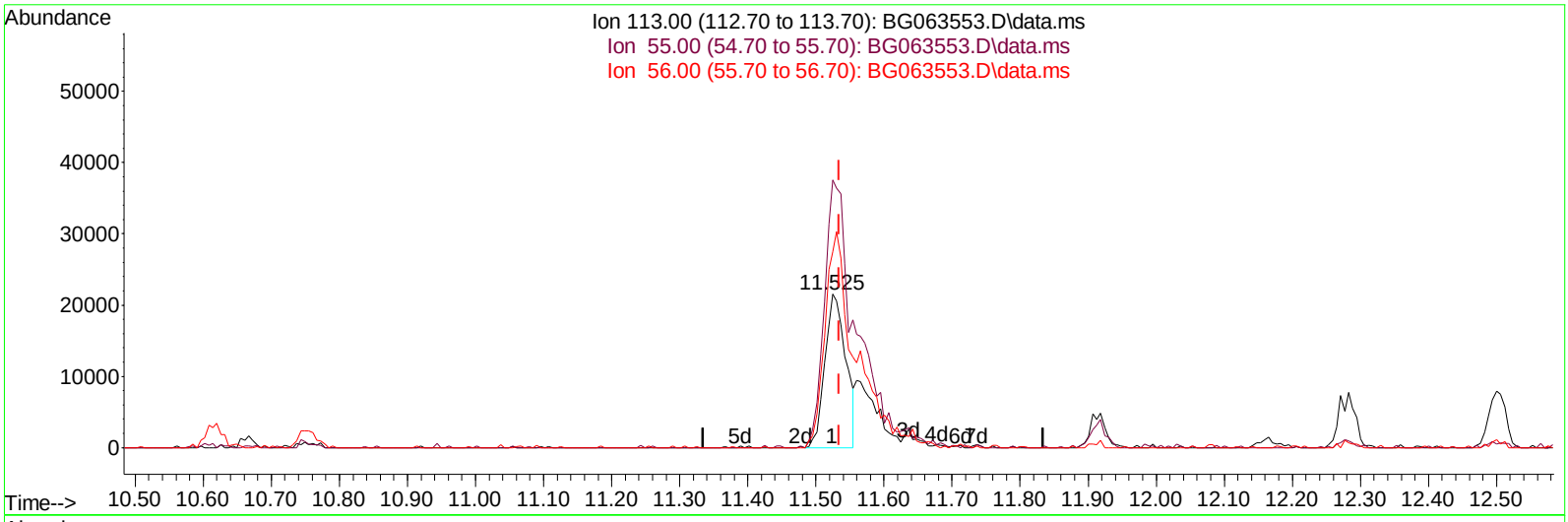
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112524\
Data File : BG063553.D
Acq On : 25 Nov 2024 17:11
Operator : RC/JU
Sample : PB165231BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

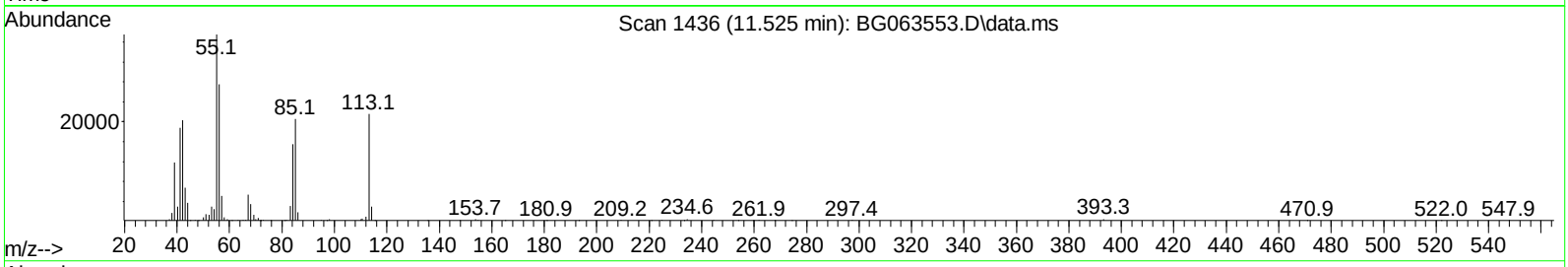
Quant Time: Nov 26 00:37:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 20 14:52:38 2024
Response via : Initial Calibration

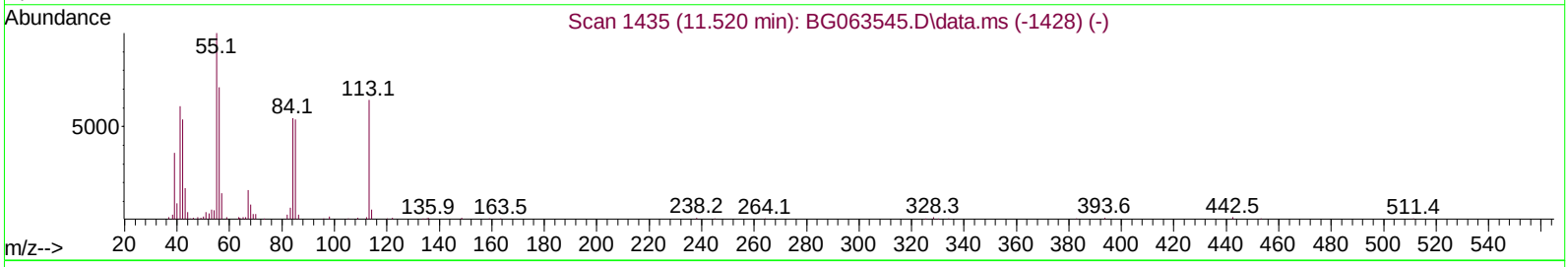
**Instrument :**
BNA_G
**ClientSampleId :**
SLCS231

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024




TIC: BG063553.D\data.ms

**(34) Caprolactam**

**11.525min (-0.010) 20.56 ng/ul**

**response 46143**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 169.00 | 174.32 |
| 56.00 | 137.20 | 127.57 |
| 0.00 | 0.00 | 0.00 |

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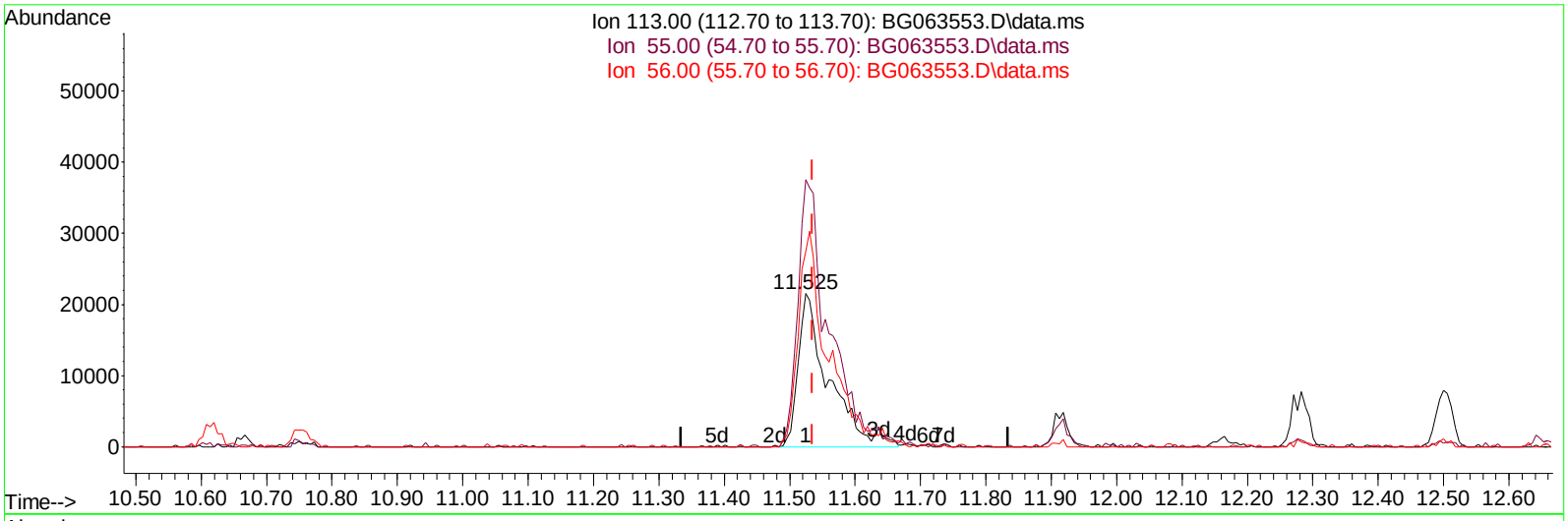


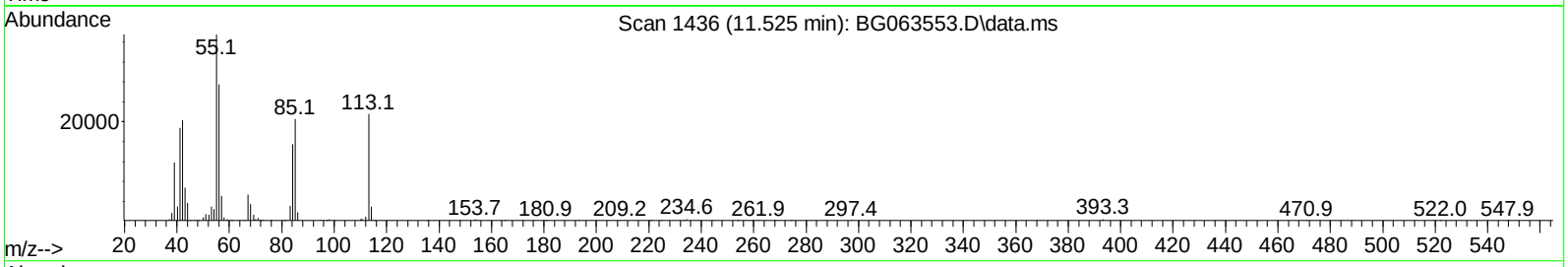


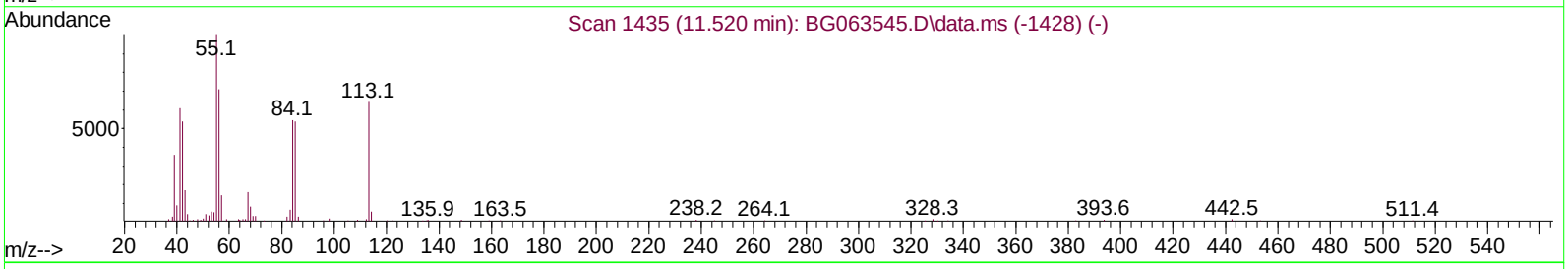


TIC: BG063553.D\data.ms

**(34) Caprolactam**

**11.525min (-0.010) 31.24 ng/ul m**

**response 70109**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 169.00 | 174.32 |
| 56.00 | 137.20 | 127.57 |
| 0.00 | 0.00 | 0.00 |

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Sample : PB165231BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 20 14:52:38 2024
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SLCS231

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.823 | 152 | 93249 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.620 | 136 | 402531 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.468 | 164 | 311928 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.224 | 188 | 789786 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.478 | 240 | 892484 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.515 | 264 | 939739 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.293 | 96 | 15076 | 6.381 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.699 | 84 | 200224 | 27.038 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.006 | 99 | 264308 | 34.464 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.159 | 67 | 161500 | 32.833 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.365 | 132 | 181434 | 33.382 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.540 | 113 | 204898 | 31.972 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.981 | 128 | 95627 | 33.081 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.703 | 143 | 116754 | 32.695 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.244 | 165 | 222562 | 32.653 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.755 | 131 | 250067 | 29.006 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.875 | 166 | 713729 | 33.706 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.157 | 160 | 803982 | 33.294 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.686 | 143 | 108022 | 34.332 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.467 | 176 | 652058 | 33.889 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.596 | 200 | 150261 | 33.841 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.318 | 188 | 1133746 | 33.042 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.621 | 212 | 1528024 | 34.156 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.310 | 264 | 1534551 | 33.667 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.328 | 88 | 28554 | 10.236 | ng/uL# | 81 |
| 5) Pyridine | 3.716 | 79 | 204332 | 27.117 | ng/ul | 97 |
| 6) Benzaldehyde | 6.971 | 77 | 105686 | 24.076 | ng/ul | 92 |
| 8) Phenol | 7.030 | 94 | 275483 | 32.942 | ng/ul | 96 |
| 10) Bis(2-Chloroethyl)ether | 7.247 | 93 | 192121 | 31.828 | ng/ul | 92 |
| 12) 2-Chlorophenol | 7.394 | 128 | 192996 | 33.268 | ng/ul | 98 |
| 13) 2-Methylphenol | 8.276 | 108 | 198989 | 31.981 | ng/ul | 99 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.346 | 45 | 298156 | 33.718 | ng/ul | 95 |
| 16) Acetophenone | 8.646 | 105 | 317216 | 31.334 | ng/ul | 92 |
| 17) N-Nitroso-di-n-propyla... | 8.634 | 70 | 185654 | 32.815 | ng/ul | 97 |
| 18) 4-Methylphenol | 8.605 | 108 | 219603 | 32.178 | ng/ul | 97 |
| 19) Hexachloroethane | 8.904 | 117 | 81665 | 32.595 | ng/ul | 98 |
| 22) Nitrobenzene | 9.022 | 77 | 277583 | 31.302 | ng/ul | 97 |
| 23) Isophorone | 9.545 | 82 | 502734 | 31.046 | ng/ul | 97 |
| 25) 2-Nitrophenol | 9.733 | 139 | 117535 | 33.175 | ng/ul | 97 |
| 26) 2,4-Dimethylphenol | 9.797 | 107 | 199093 | 26.069 | ng/ul | 95 |
| 27) Bis(2-Chloroethoxy)met... | 10.026 | 93 | 276920 | 30.892 | ng/ul | 96 |
| 29) 2,4-Dichlorophenol | 10.273 | 162 | 208836 | 31.360 | ng/ul | 98 |
| 30) Naphthalene | 10.667 | 128 | 640728 | 31.139 | ng/ul | 97 |
| 32) 4-Chloroaniline | 10.779 | 127 | 191512 | 23.247 | ng/ul | 100 |
| 33) Hexachlorobutadiene | 10.955 | 225 | 175414 | 29.531 | ng/ul | 96 |
| 34) Caprolactam | 11.525 | 113 | 70109m | 31.237 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.913 | 107 | 222688 | 32.857 | ng/ul | 92 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.283 | 142 | 462456 | 31.663 | ng/ul | 99 |
| 37) 1-Methylnaphthalene | 12.500 | 142 | 460851 | 30.051 | ng/ul | 97 |
| 39) 1,2,4,5-Tetrachloroben... | 12.653 | 216 | 343984 | 31.381 | ng/ul | 99 |
| 40) Hexachlorocyclopentadiene | 12.629 | 237 | 109948 | 23.516 | ng/ul | 94 |
| 41) 2,4,6-Trichlorophenol | 12.900 | 196 | 170984 | 28.428 | ng/ul | 98 |
| 42) 2,4,5-Trichlorophenol | 12.976 | 196 | 188206 | 30.321 | ng/ul | 88 |
| 43) 1,1'-Biphenyl | 13.293 | 154 | 660516 | 31.907 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.340 | 162 | 514502 | 31.629 | ng/ul | 97 |
| 45) 2-Nitroaniline | 13.546 | 65 | 176212 | 34.370 | ng/ul | 100 |
| 47) Dimethylphthalate | 13.922 | 163 | 669596 | 32.455 | ng/ul | 97 |
| 48) 2,6-Dinitrotoluene | 14.045 | 165 | 139798 | 33.400 | ng/ul# | 82 |
| 50) Acenaphthylene | 14.186 | 152 | 814893 | 33.569 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.374 | 138 | 139541 | 36.400 | ng/ul | 98 |
| 52) Acenaphthene | 14.533 | 153 | 555510 | 31.683 | ng/ul | 98 |
| 53) 2,4-Dinitrophenol | 14.592 | 184 | 68703 | 31.969 | ng/ul | 96 |
| 55) 4-Nitrophenol | 14.703 | 109 | 116887 | 31.967 | ng/ul | 95 |
| 56) Dibenzofuran | 14.868 | 168 | 816169 | 32.445 | ng/ul | 100 |
| 57) 2,4-Dinitrotoluene | 14.838 | 165 | 213493 | 33.332 | ng/ul | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.103 | 232 | 159745 | 27.082 | ng/ul | 93 |
| 59) Diethylphthalate | 15.291 | 149 | 681557 | 32.705 | ng/ul | 99 |
| 61) Fluorene | 15.520 | 166 | 703648 | 32.861 | ng/ul | 93 |
| 62) 4-Chlorophenyl-phenyle... | 15.514 | 204 | 411008 | 32.167 | ng/ul | 94 |
| 63) 4-Nitroaniline | 15.544 | 138 | 153475 | 39.106 | ng/ul | 95 |
| 66) 4,6-Dinitro-2-methylph... | 15.608 | 198 | 156191 | 32.920 | ng/ul# | 99 |
| 67) N-Nitrosodiphenylamine | 15.726 | 169 | 593009 | 31.625 | ng/ul | 94 |
| 68) 4-Bromophenyl-phenylether | 16.407 | 248 | 278488 | 31.470 | ng/ul | 94 |
| 69) Hexachlorobenzene | 16.531 | 284 | 289365 | 31.188 | ng/ul | 92 |
| 70) Atrazine | 16.677 | 200 | 113093 | 12.484 | ng/ul | 97 |
| 71) Pentachlorophenol | 16.883 | 266 | 108288 | 24.958 | ng/ul | 99 |
| 72) Phenanthrene | 17.265 | 178 | 1216784 | 32.319 | ng/ul | 99 |
| 74) Anthracene | 17.353 | 178 | 1226051 | 31.891 | ng/ul | 97 |
| 75) 1,2,3,4-Tetrachloroben... | 13.264 | 216 | 339848 | 29.573 | ng/ul | 94 |
| 76) Pentachlorobenzene | 14.791 | 250 | 335216 | 29.539 | ng/ul | 97 |
| 77) Carbazole | 17.629 | 167 | 1083591 | 33.971 | ng/ul | 100 |
| 78) Di-n-butylphthalate | 18.188 | 149 | 1256291 | 34.355 | ng/ul | 100 |
| 80) Fluoranthene | 19.286 | 202 | 1642666 | 33.208 | ng/ul | 99 |
| 82) Pyrene | 19.651 | 202 | 1727514 | 32.590 | ng/ul | 98 |
| 83) Butylbenzylphthalate | 20.549 | 149 | 587552 | 34.157 | ng/ul | 96 |
| 84) 3,3'-Dichlorobenzidine | 21.384 | 252 | 641646 | 33.468 | ng/ul | 97 |
| 85) Benzo(a)anthracene | 21.460 | 228 | 1878101 | 32.544 | ng/ul | 100 |
| 86) Bis(2-ethylhexyl)phtha... | 21.378 | 149 | 844355 | 33.771 | ng/ul | 96 |
| 87) Chrysene | 21.525 | 228 | 1773632 | 32.869 | ng/ul | 98 |
| 89) Di-n-octyl phthalate | 22.524 | 149 | 1489325 | 35.719 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.558 | 252 | 1882936 | 33.373 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.622 | 252 | 1894306 | 33.459 | ng/ul | 97 |
| 93) Benzo(a)pyrene | 24.374 | 252 | 1686719 | 31.942 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 27.947 | 276 | 2154676 | 32.897 | ng/ul | 99 |
| 95) Dibenzo(a,h)anthracene | 28.000 | 278 | 1774302 | 33.136 | ng/ul | 98 |
| 96) Benzo(g,h,i)perylene | 29.016 | 276 | 1629359 | 32.809 | ng/ul | 97 |

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

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