Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG100520\
Data File : BG046785.D
Acq On : 5 Oct 2020 11:27
Operator : CG/JU
Sample : PB131933BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 05 12:10:30 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM01-EPA-BG092820.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 05 11:23:35 2020
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SLCS933

**Manual Integrations APPROVED**
mohammad
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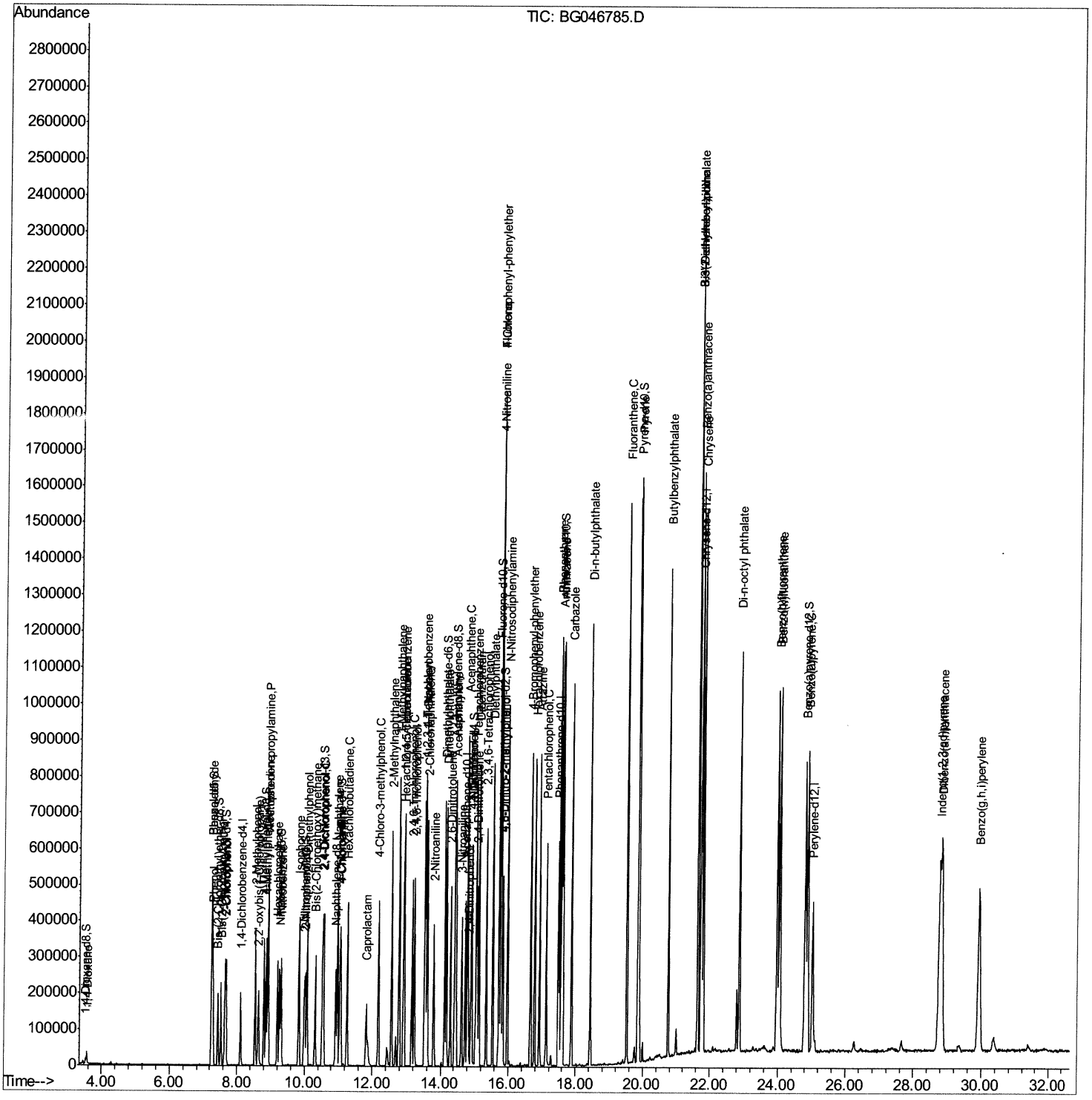

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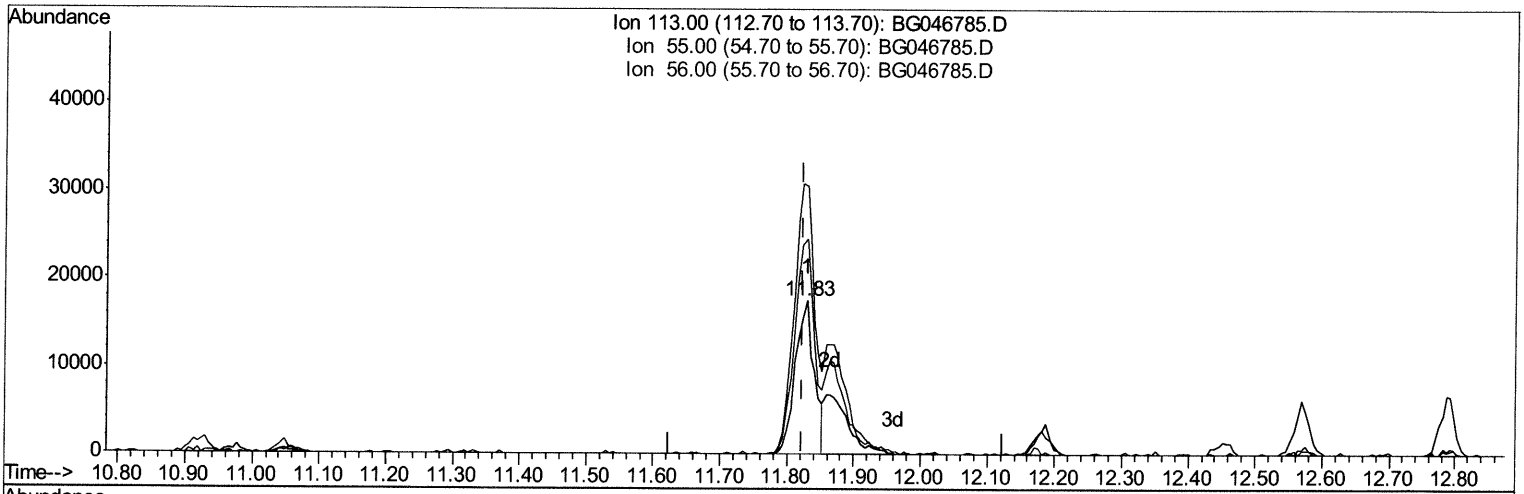


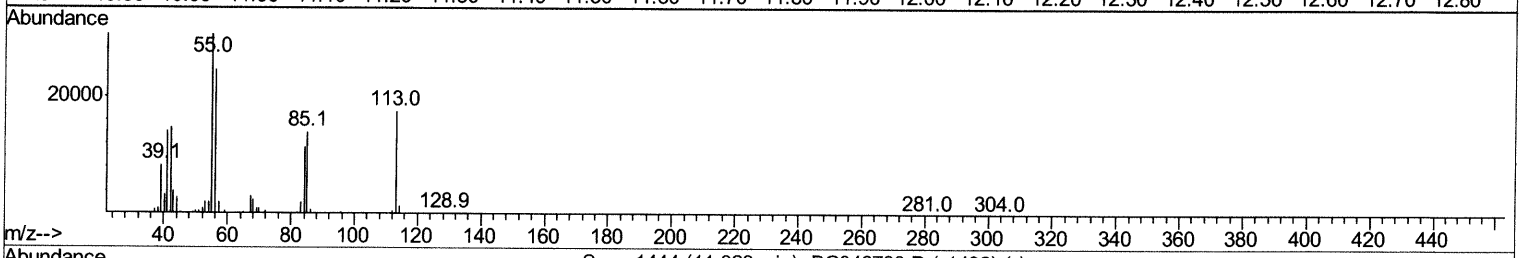


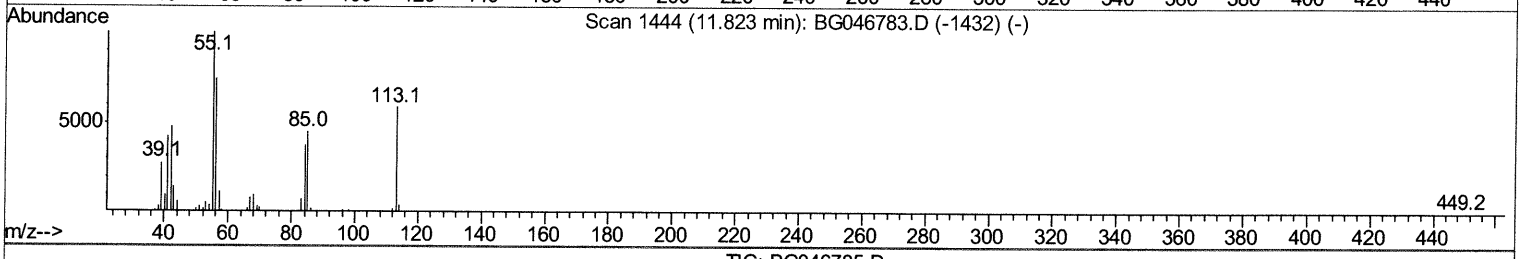


TIC: BG046785.D

(32) Caprolactam

11.829min (+0.005) 26.33ng/ul

response 34583

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 182.10 | 174.45 |
| 56.00 | 144.10 | 140.13 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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BNA_G
**ClientSampleId :**
SLCS933

**Manual Integrations APPROVED**
mohammad
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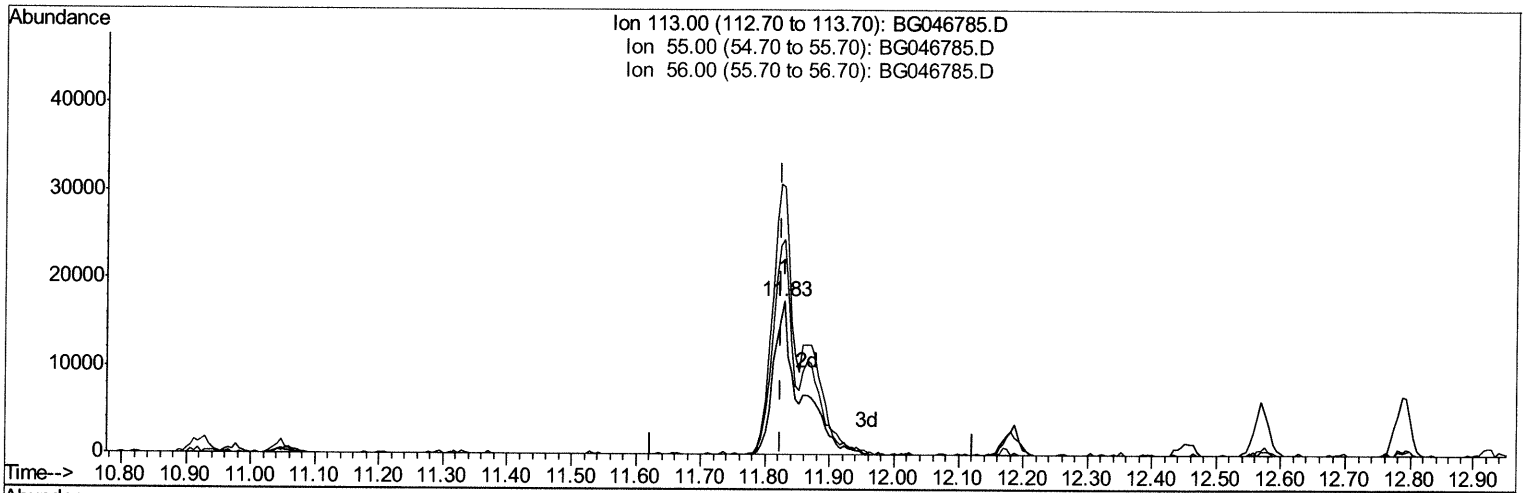


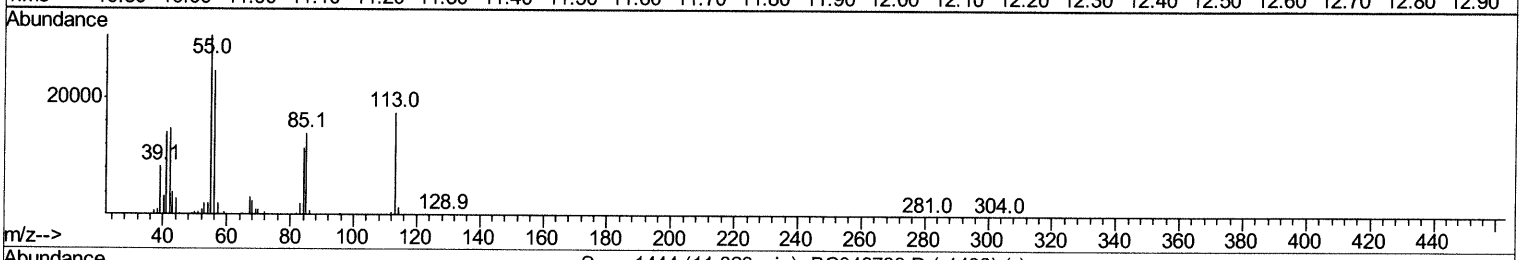


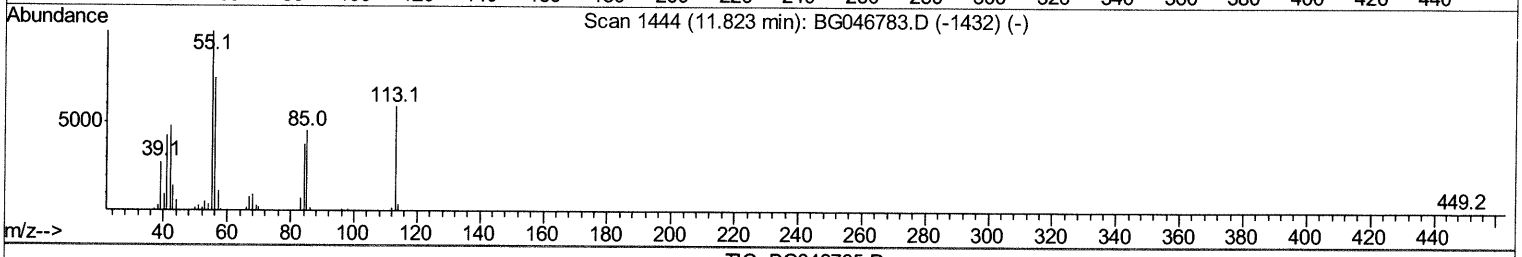


TIC: BG046785.D

(32) Caprolactam

11.829min (+0.005) 39.01ng/ul m 10/08/20 JU

response 51241

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 182.10 | 174.45 |
| 56.00 | 144.10 | 140.13 |
| 0.00 | 0.00 | 0.00 |

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.11 | 152 | 55303 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.92 | 136 | 221548 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.73 | 164 | 163005 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.48 | 188 | 404809 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.75 | 240 | 438682 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 25.03 | 264 | 460010 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.53 | 96 | 8637 | 7.32 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.25 | 99 | 163936 | 35.25 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.43 | 67 | 94746 | 32.28 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.64 | 132 | 123577 | 36.54 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.80 | 113 | 131755 | 36.06 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.27 | 128 | 58774 | 41.51 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.00 | 143 | 70988 | 46.99 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.54 | 165 | 149842 | 40.05 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.05 | 131 | 164527 | 35.48 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 14.13 | 166 | 478903 | 38.84 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.43 | 160 | 569968 | 38.62 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.91 | 143 | 88402 | 45.00 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.72 | 176 | 438353 | 38.24 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.83 | 200 | 85574 | 46.77 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.58 | 188 | 686161 | 36.97 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.85 | 212 | 865185 | 37.89 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 24.80 | 264 | 926810 | 37.28 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.56 | 88 | 17827 | 13.205 | ng/uL# | 81 |
| 4) Benzaldehyde | 7.25 | 77 | 107300 | 32.506 | ng/ul | 99 |
| 6) Phenol | 7.28 | 94 | 164162 | 33.423 | ng/ul | 98 |
| 8) Bis(2-Chloroethyl)ether | 7.52 | 93 | 122100 | 31.973 | ng/ul | 95 |
| 10) 2-Chlorophenol | 7.67 | 128 | 115618 | 33.387 | ng/ul | 95 |
| 11) 2-Methylphenol | 8.54 | 108 | 120341 | 32.856 | ng/ul | 97 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.64 | 45 | 189360 | 31.295 | ng/ul | 97 |
| 14) Acetophenone | 8.93 | 105 | 201636 | 33.686 | ng/ul | 95 |
| 15) N-Nitroso-di-n-propylamine | 8.91 | 70 | 102483 | 30.995 | ng/ul# | 97 |
| 16) 4-Methylphenol | 8.87 | 108 | 127650 | 33.273 | ng/ul | 93 |
| 17) Hexachloroethane | 9.20 | 117 | 52924 | 33.811 | ng/ul | 91 |
| 20) Nitrobenzene | 9.31 | 77 | 165630 | 39.895 | ng/ul | 95 |
| 21) Isophorone | 9.84 | 82 | 301995 | 32.580 | ng/ul | 100 |
| 23) 2-Nitrophenol | 10.03 | 139 | 73062 | 43.999 | ng/ul | 96 |
| 24) 2,4-Dimethylphenol | 10.08 | 107 | 145705 | 32.544 | ng/ul | 98 |
| 25) Bis(2-Chloroethoxy)methane | 10.32 | 93 | 171109 | 32.052 | ng/ul | 97 |
| 27) 2,4-Dichlorophenol | 10.56 | 162 | 133707 | 36.282 | ng/ul | 96 |
| 28) Naphthalene | 10.97 | 128 | 405725 | 33.260 | ng/ul | 96 |
| 30) 4-Chloroaniline | 11.07 | 127 | 147884 | 33.152 | ng/ul | 97 |
| 31) Hexachlorobutadiene | 11.26 | 225 | 111508 | 33.869 | ng/ul | 98 |
| 32) Caprolactam | 11.83 | 113 | 51241m | 39.013 | ng/ul | 16/08/2021 |
| 33) 4-Chloro-3-methylphenol | 12.18 | 107 | 151340 | 36.846 | ng/ul | 95 |
| 34) 2-Methylnaphthalene | 12.57 | 142 | 300447 | 33.454 | ng/ul | 100 |

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**Manual Integrations APPROVED**
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.79 | 142 | 352847 | 40.511 | ng/ul# | 96 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.93 | 216 | 203500 | 33.952 | ng/ul | 96 |
| 38) Hexachlorocyclopentadiene | 12.92 | 237 | 93191 | 24.348 | ng/ul# | 83 |
| 39) 2,4,6-Trichlorophenol | 13.17 | 196 | 133630 | 39.418 | ng/ul | 94 |
| 40) 2,4,5-Trichlorophenol | 13.24 | 196 | 141001 | 39.616 | ng/ul | 94 |
| 41) 1,1'-Biphenyl | 13.57 | 154 | 422808 | 33.455 | ng/ul | 98 |
| 42) 2-Chloronaphthalene | 13.62 | 162 | 333288 | 33.213 | ng/ul | 98 |
| 43) 2-Nitroaniline | 13.80 | 65 | 113649 | 49.243 | ng/ul | 89 |
| 45) Dimethylphthalate | 14.18 | 163 | 449943 | 35.349 | ng/ul | 99 |
| 46) 2,6-Dinitrotoluene | 14.30 | 165 | 98223 | 48.633 | ng/ul | 98 |
| 48) Acenaphthylene | 14.46 | 152 | 505249 | 34.238 | ng/ul | 99 |
| 49) 3-Nitroaniline | 14.63 | 138 | 92123 | 45.693 | ng/ul# | 91 |
| 50) Acenaphthene | 14.80 | 153 | 364745 | 34.922 | ng/ul | 99 |
| 51) 2,4-Dinitrophenol | 14.83 | 184 | 52329 | 44.278 | ng/ul | 90 |
| 53) 4-Nitrophenol | 14.93 | 109 | 86683 | 44.728 | ng/ul | 87 |
| 54) Dibenzofuran | 15.13 | 168 | 546468 | 35.657 | ng/ul | 98 |
| 55) 2,4-Dinitrotoluene | 15.08 | 165 | 140316 | 50.976 | ng/ul# | 95 |
| 56) 2,3,4,6-Tetrachlorophenol | 15.35 | 232 | 148996 | 44.525 | ng/ul# | 99 |
| 57) Diethylphthalate | 15.55 | 149 | 460881 | 36.617 | ng/ul | 98 |
| 59) Fluorene | 15.78 | 166 | 446378 | 35.378 | ng/ul | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.77 | 204 | 249361 | 34.988 | ng/ul | 96 |
| 61) 4-Nitroaniline | 15.79 | 138 | 99089 | 42.932 | ng/ul | 92 |
| 64) 4,6-Dinitro-2-methylphenol | 15.85 | 198 | 87984 | 43.769 | ng/ul# | 86 |
| 65) N-Nitrosodiphenylamine | 15.98 | 169 | 402905 | 34.634 | ng/ul | 97 |
| 66) 4-Bromophenyl-phenylether | 16.66 | 248 | 177552 | 35.015 | ng/ul | 93 |
| 67) Hexachlorobenzene | 16.78 | 284 | 193697 | 46.721 | ng/ul | 96 |
| 68) Atrazine | 16.92 | 200 | 177079 | 37.090 | ng/ul | 91 |
| 69) Pentachlorophenol | 17.12 | 266 | 122197 | 40.032 | ng/ul | 92 |
| 70) Phenanthrene | 17.52 | 178 | 778482 | 35.066 | ng/ul | 99 |
| 72) Anthracene | 17.61 | 178 | 767342 | 34.316 | ng/ul | 98 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.54 | 216 | 240441 | 38.240 | ng/uL | 96 |
| 74) Pentachlorobenzene | 15.05 | 250 | 217798 | 33.784 | ng/uL | 94 |
| 75) Carbazole | 17.87 | 167 | 658211 | 36.560 | ng/ul | 100 |
| 76) Di-n-butylphthalate | 18.43 | 149 | 801697 | 36.493 | ng/ul | 99 |
| 77) Fluoranthene | 19.53 | 202 | 994365 | 35.570 | ng/ul | 99 |
| 80) Pyrene | 19.88 | 202 | 987724 | 34.983 | ng/ul | 99 |
| 81) Butylbenzylphthalate | 20.77 | 149 | 373319 | 37.632 | ng/ul | 97 |
| 82) 3,3'-Dichlorobenzidine | 21.64 | 252 | 363349 | 36.107 | ng/ul | 98 |
| 83) Benzo(a)anthracene | 21.73 | 228 | 1026390 | 35.470 | ng/ul | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.64 | 149 | 545368 | 37.355 | ng/ul | 96 |
| 85) Chrysene | 21.80 | 228 | 993226 | 35.530 | ng/ul | 98 |
| 87) Di-n-octyl phthalate | 22.87 | 149 | 928273 | 36.419 | ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 23.99 | 252 | 1043810 | 34.302 | ng/ul | 100 |
| 89) Benzo(k)fluoranthene | 24.06 | 252 | 1002879 | 33.696 | ng/ul | 99 |
| 91) Benzo(a)pyrene | 24.88 | 252 | 950873 | 33.988 | ng/ul | 98 |
| 92) Indeno(1,2,3-cd)pyrene | 28.77 | 276 | 1169043 | 34.429 | ng/ul | 100 |
| 93) Dibenzo(a,h)anthracene | 28.83 | 278 | 967078 | 34.338 | ng/ul | 99 |
| 94) Benzo(g,h,i)perylene | 29.93 | 276 | 983318 | 34.734 | ng/ul | 96 |

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|---|---|---|---|---|---|---|

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