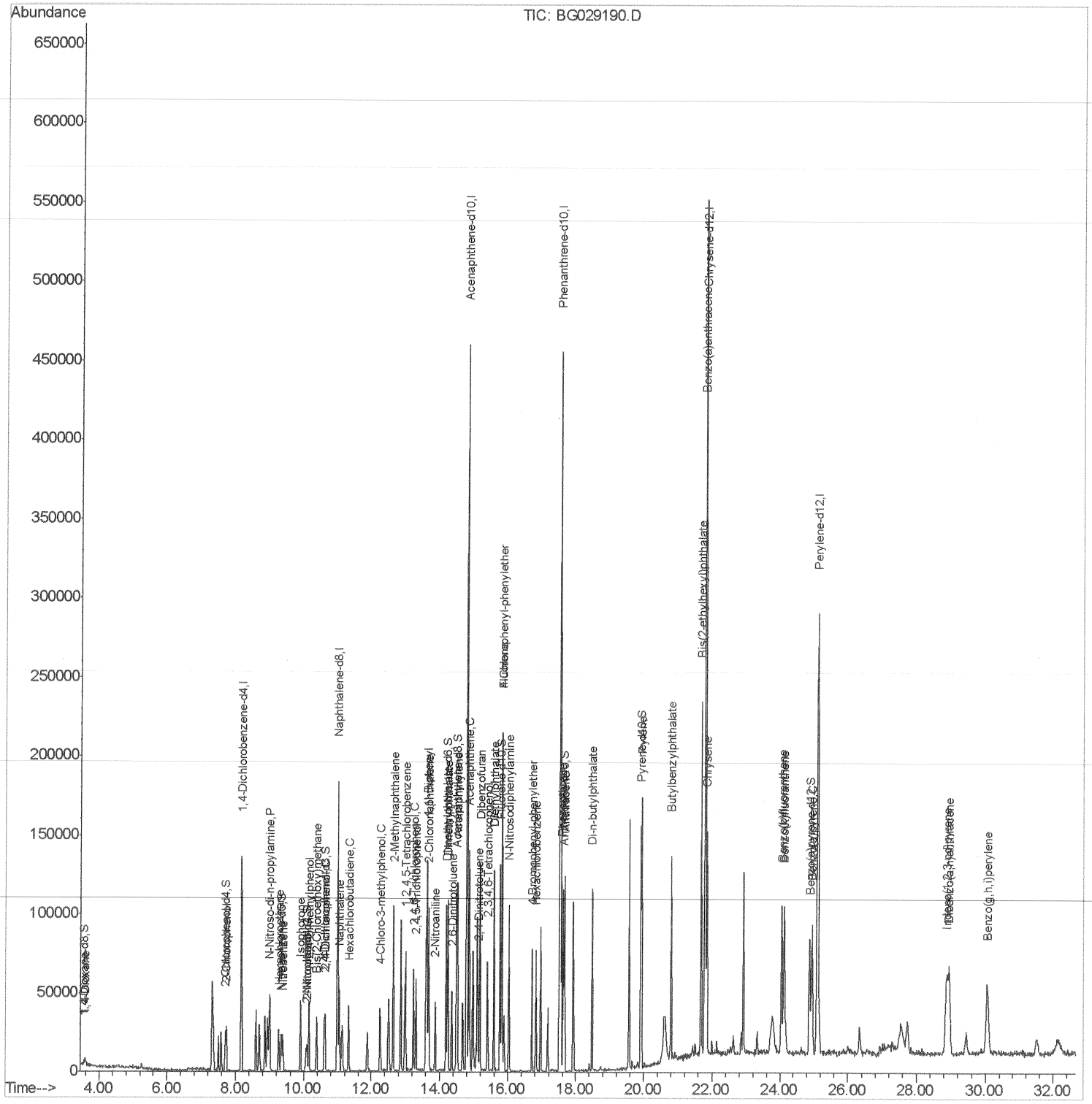
Data Path : Z:\HPCHEM1\BNA_G\Data\BG101417\
Data File : BG029190.D
Acq On : 13 Oct 2017 11:18
Operator : SJ/JU
Sample : SSTD00557
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 13 17:06:27 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 13 16:52:26 2017
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD00557

**Manual Integrations APPROVED**
Sohil
10/15/2017 12:32:12 PM



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Data File : BG029190.D
Acq On : 13 Oct 2017 11:18
Operator : SJ/JU
Sample : SSTD00557
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Quant Time: Oct 13 16:54:58 2017
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Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 13 16:52:26 2017
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**Instrument :**
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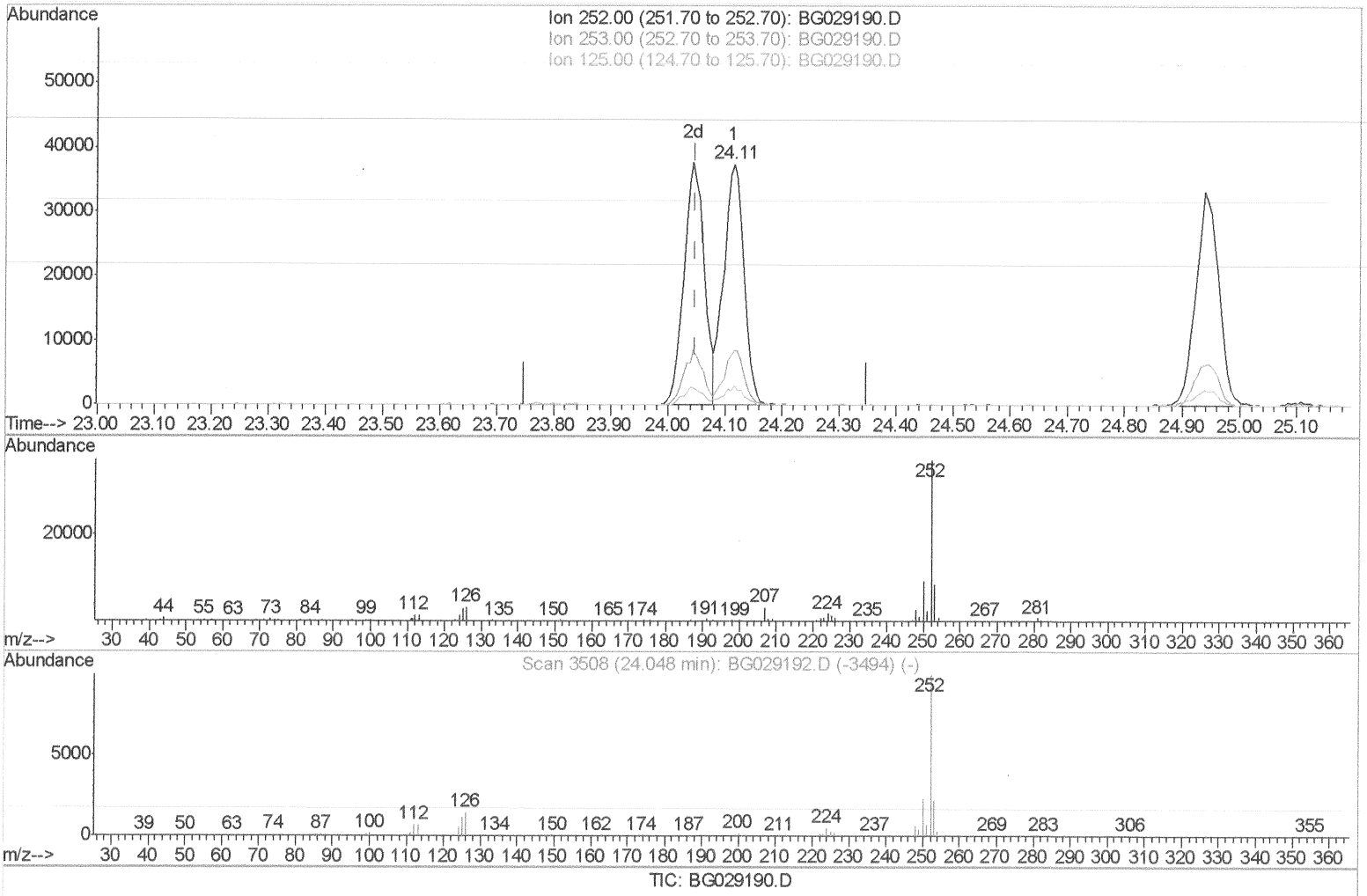
**Manual Integrations APPROVED**
Sohil
10/15/2017 12:32:12 PM




(85) Benzo(b)fluoranthene

24.115min (+0.066) 4.66ng/ul

response 91245

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 21.20 | 22.72 |
| 125.00 | 9.40 | 8.05 |
| 0.00 | 0.00 | 0.00 |

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Quant Time: Oct 13 16:54:58 2017
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Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 13 16:52:26 2017
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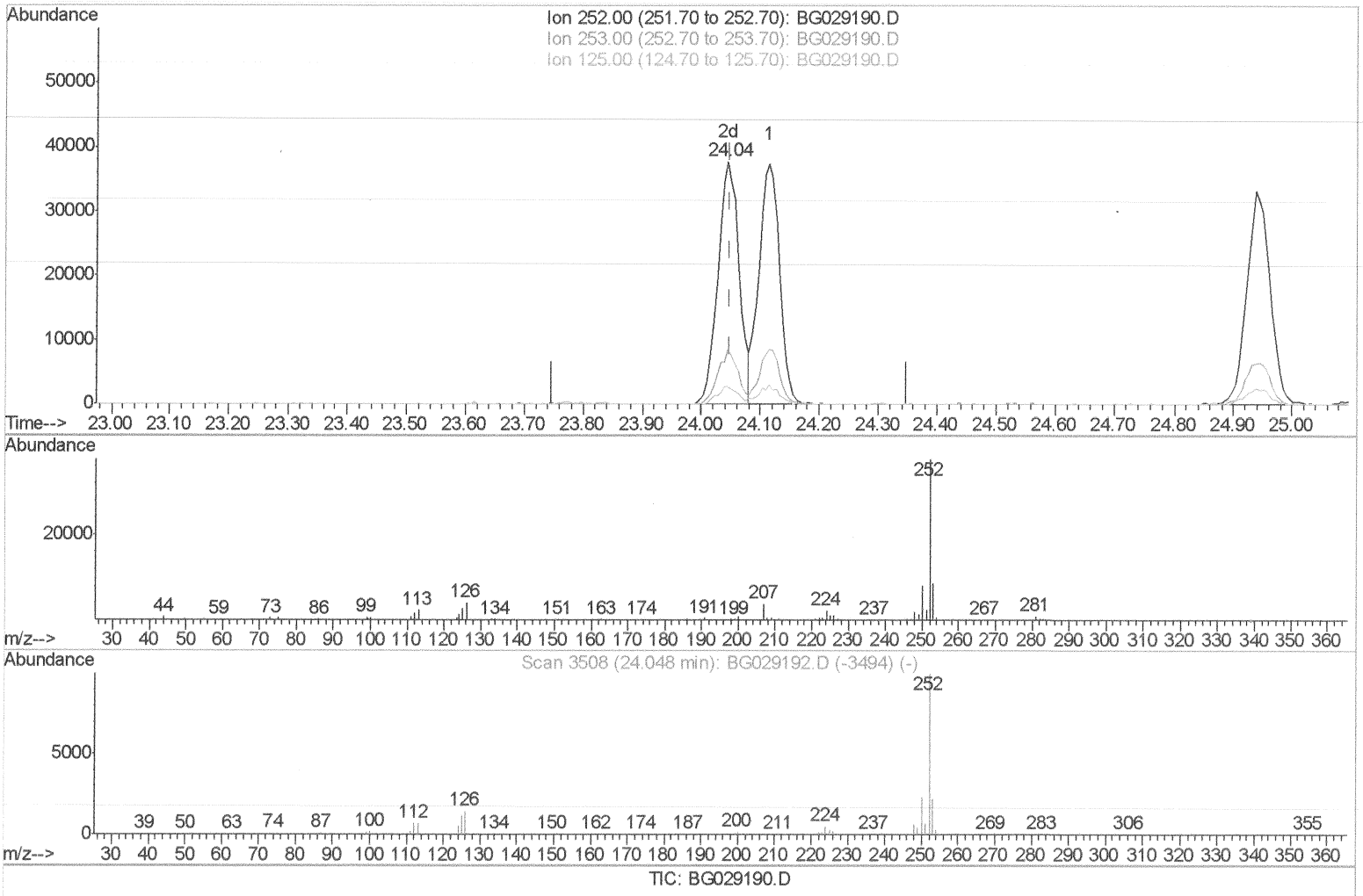
**Instrument :**
BNA_G
**ClientSampleId :**
SSTD00557

**Manual Integrations APPROVED**
Sohil
10/15/2017 12:32:12 PM




TIC: BG029190.D

(85) Benzo(b)fluoranthene

24.044min (-0.004) 4.81ng/ul m SJ 10/15/17

response 94155

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 21.20 | 22.62 |
| 125.00 | 9.40 | 7.34# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

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**Instrument :** BNA_G
**ClientSampleId :** SSTD00557

**Manual Integrations APPROVED**
Sohil
10/15/2017 12:32:12 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.17 | 152 | 35985 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.99 | 136 | 150179 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.79 | 164 | 156812 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.52 | 188 | 279533 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.79 | 240 | 304730 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 25.10 | 264 | 299491 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.54 | 96 | 1485 | 4.60 | ng/uL | 0.00 |
| 5) Phenol-d5 | 0.00 | 99 | 0d | 0.00 | ng/ul | |
| 7) Bis-(2-Chloroethyl)ether-d | 0.00 | 67 | 0d | 0.00 | ng/ul | |
| 9) 2-Chlorophenol-d4 | 7.70 | 132 | 11371 | 4.67 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 0.00 | 113 | 0d | 0.00 | ng/ul | |
| 19) Nitrobenzene-d5 | 9.33 | 128 | 4780 | 4.10 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.05 | 143 | 4713 | 4.34 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.60 | 165 | 12909 | 4.80 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 0.00 | 131 | 0d | 0.00 | ng/ul | |
| 43) Dimethylphthalate-d6 | 14.19 | 166 | 70155 | 5.36 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.48 | 160 | 84450 | 5.15 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 0.00 | 143 | 0d | 0.00 | ng/ul | |
| 57) Fluorene-d10 | 15.77 | 176 | 48673 | 4.21 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 0.00 | 200 | 0d | 0.00 | ng/ul | |
| 70) Anthracene-d10 | 17.62 | 188 | 67315 | 5.02 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.89 | 212 | 78865 | 4.79 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 24.87 | 264 | 74337 | 4.84 | ng/ul | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.59 | 88 | 2304 | 5.536 | ng/uL# | 83 |
| 10) 2-Chlorophenol | 7.73 | 128 | 11680 | 4.720 | ng/ul | 95 |
| 15) N-Nitroso-di-n-propylamine | 8.97 | 70 | 12179 | 4.188 | ng/ul# | 96 |
| 17) Hexachloroethane | 9.26 | 117 | 4952 | 4.139 | ng/ul# | 78 |
| 20) Nitrobenzene | 9.38 | 77 | 13727 | 4.083 | ng/ul# | 97 |
| 21) Isophorone | 9.90 | 82 | 32859 | 4.821 | ng/ul | 95 |
| 23) 2-Nitrophenol | 10.09 | 139 | 5015 | 4.088 | ng/ul# | 89 |
| 24) 2,4-Dimethylphenol | 10.14 | 107 | 15653 | 4.681 | ng/ul | 92 |
| 25) Bis(2-Chloroethoxy)methane | 10.38 | 93 | 18895 | 4.877 | ng/ul | 97 |
| 27) 2,4-Dichlorophenol | 10.62 | 162 | 11995 | 4.672 | ng/ul | 93 |
| 28) Naphthalene | 11.04 | 128 | 39991 | 4.913 | ng/ul | 99 |
| 31) Hexachlorobutadiene | 11.32 | 225 | 9895 | 4.829 | ng/ul | 91 |
| 33) 4-Chloro-3-methylphenol | 12.25 | 107 | 14736 | 4.677 | ng/ul | 89 |
| 34) 2-Methylnaphthalene | 12.63 | 142 | 47930 | 6.538 | ng/ul | 90 |
| 36) 1,2,4,5-Tetrachlorobenzene | 13.00 | 216 | 21842 | 5.063 | ng/ul# | 94 |
| 38) 2,4,6-Trichlorophenol | 13.23 | 196 | 15223 | 5.201 | ng/ul | 95 |
| 39) 2,4,5-Trichlorophenol | 13.30 | 196 | 16169 | 5.200 | ng/ul | 97 |
| 40) 1,1'-Biphenyl | 13.63 | 154 | 68210 | 6.171 | ng/ul | 99 |
| 41) 2-Chloronaphthalene | 13.67 | 162 | 50434 | 5.938 | ng/ul | 94 |
| 42) 2-Nitroaniline | 13.86 | 65 | 13198 | 4.939 | ng/ul | 96 |
| 44) Dimethylphthalate | 14.23 | 163 | 69893 | 5.281 | ng/ul | 98 |
| 45) 2,6-Dinitrotoluene | 14.34 | 165 | 9005 | 4.200 | ng/ul# | 91 |
| 47) Acenaphthylene | 14.51 | 152 | 87793 | 5.327 | ng/ul | 99 |

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**ClientSampleId :** SSTD00557

**Manual Integrations APPROVED**
Sohil
10/15/2017 12:32:12 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 49) Acenaphthene | 14.85 | 153 | 57414 | 4.975 | ng/ul | 100 |
| 53) Dibenzofuran | 15.18 | 168 | 82578 | 4.942 | ng/ul | 98 |
| 54) 2,4-Dinitrotoluene | 15.14 | 165 | 12968 | 3.757 | ng/ul# | 98 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.40 | 232 | 13682 | 4.198 | ng/ul# | 99 |
| 56) Diethylphthalate | 15.59 | 149 | 70784 | 4.575 | ng/ul | 99 |
| 58) Fluorene | 15.83 | 166 | 51159 | 4.046 | ng/ul | 95 |
| 59) 4-Chlorophenyl-phenylether | 15.82 | 204 | 26472 | 4.215 | ng/ul | 96 |
| 64) N-Nitrosodiphenylamine | 16.02 | 169 | 39378 | 4.704 | ng/ul | 98 |
| 65) 4-Bromophenyl-phenylether | 16.71 | 248 | 14924 | 4.931 | ng/ul | 97 |
| 66) Hexachlorobenzene | 16.83 | 284 | 16241 | 5.093 | ng/ul | 95 |
| 69) Phenanthrene | 17.56 | 178 | 74604 | 4.956 | ng/ul | 98 |
| 71) Anthracene | 17.66 | 178 | 77858 | 5.003 | ng/ul | 98 |
| 73) Di-n-butylphthalate | 18.47 | 149 | 81475 | 4.798 | ng/ul | 98 |
| 77) Pyrene | 19.92 | 202 | 104284 | 4.912 | ng/ul | 99 |
| 78) Butylbenzylphthalate | 20.80 | 149 | 37395 | 4.314 | ng/ul | 98 |
| 80) Benzo(a)anthracene | 21.78 | 228 | 101851 | 5.094 | ng/ul | 97 |
| 81) Bis(2-ethylhexyl)phthalate | 21.67 | 149 | 57306 | 4.576 | ng/ul | 99 |
| 82) Chrysene | 21.84 | 228 | 91013 | 5.049 | ng/ul | 97 |
| 85) Benzo(b)fluoranthene | 24.04 | 252 | 94155m | 4.811 | ng/ul | |
| 86) Benzo(k)fluoranthene | 24.11 | 252 | 91245 | 4.831 | ng/ul | 97 |
| 88) Benzo(a)pyrene | 24.94 | 252 | 92172 | 4.991 | ng/ul# | 95 |
| 89) Indeno(1,2,3-cd)pyrene | 28.87 | 276 | 103993 | 5.477 | ng/ul# | 96 |
| 90) Dibenzo(a,h)anthracene | 28.94 | 278 | 88718 | 5.525 | ng/ul# | 93 |
| 91) Benzo(g,h,i)perylene | 30.05 | 276 | 88498 | 5.566 | ng/ul | 94 |

SJ 10/15/17

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