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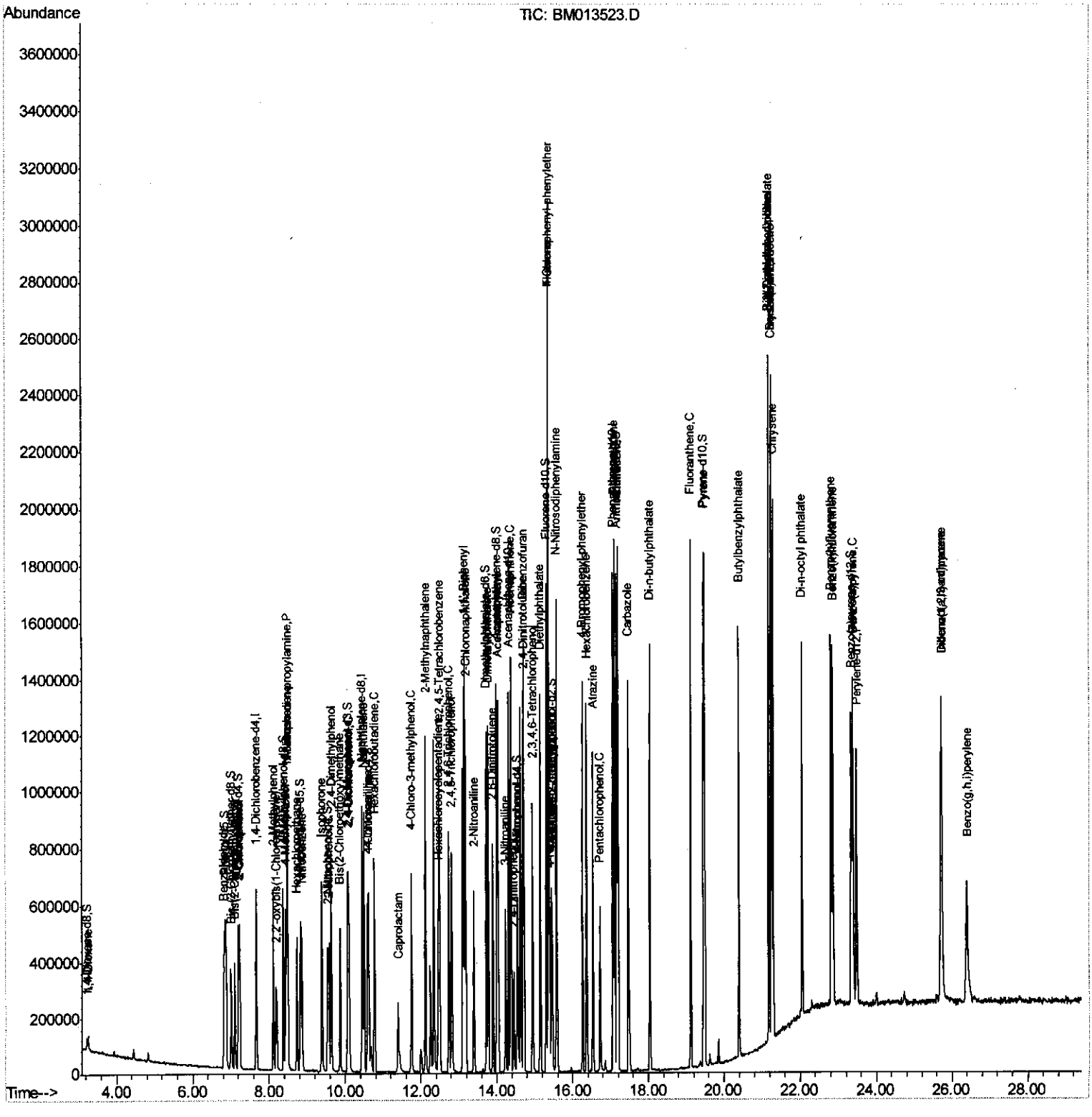
Data File : BM013523.D
Acq On : 20 Dec 2017 09:38
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 15:20:41 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 20 03:10:37 2017
Response via : Initial Calibration

Instrument :
BNA_M
LabSampleId :
SSTD02049

Manual Integrations APPROVED
Sohil
12/20/2017 5:23:03 PM



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM122017\
Data File : BM013523.D
Acq On : 20 Dec 2017 09:38
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 15:11:16 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
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Instrument :
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LabSampleId :
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Manual Integrations APPROVED
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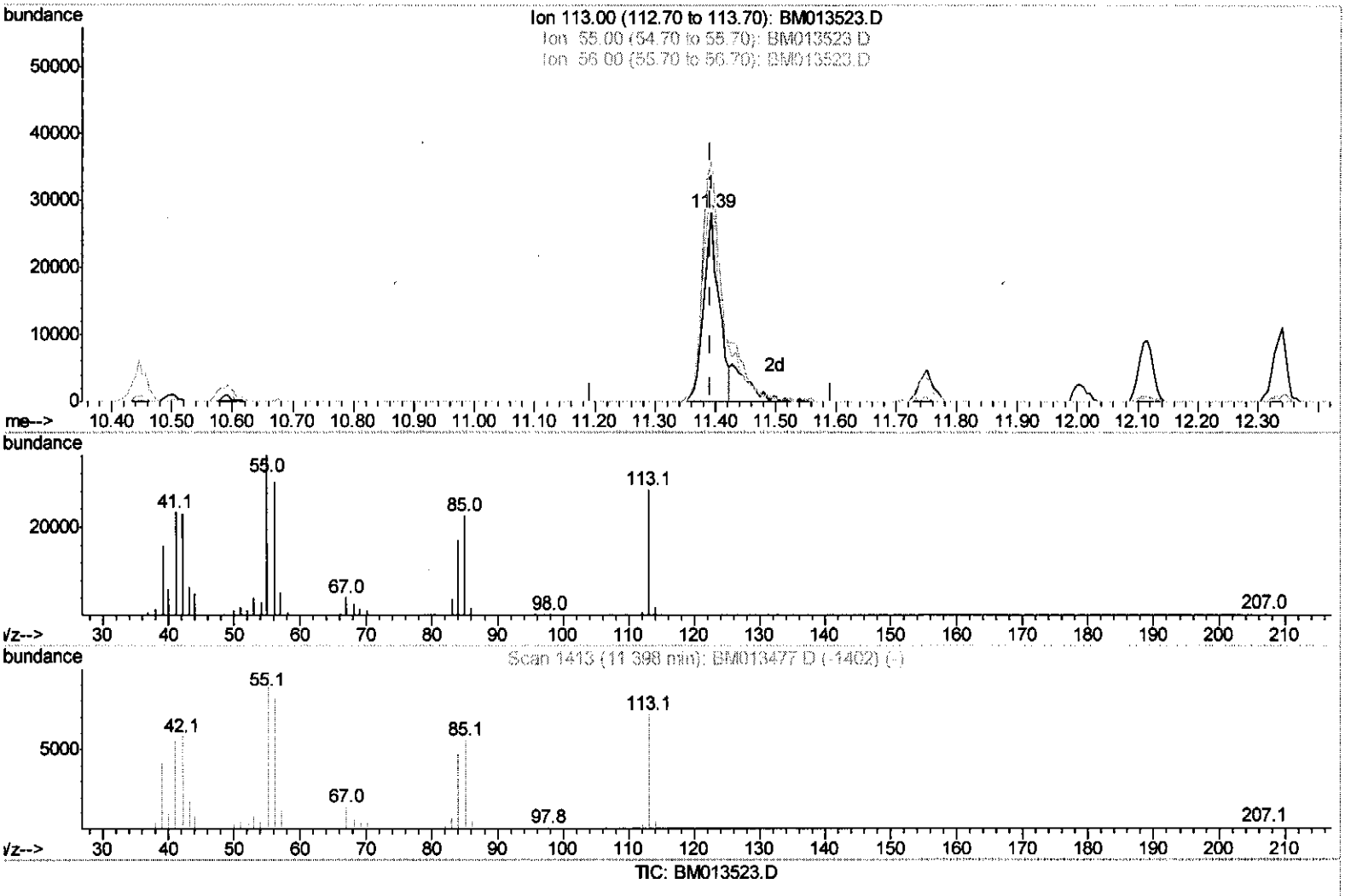

TIC: BM013523.D

(32) Caprolactam

11.392min (-0.000) 13.71ng/ul

response 49843

Ion	Exp%	Act%
113.00	100	100
55.00	260.00	127.65#
56.00	200.00	105.65#
0.00	0.00	0.00

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM122017\
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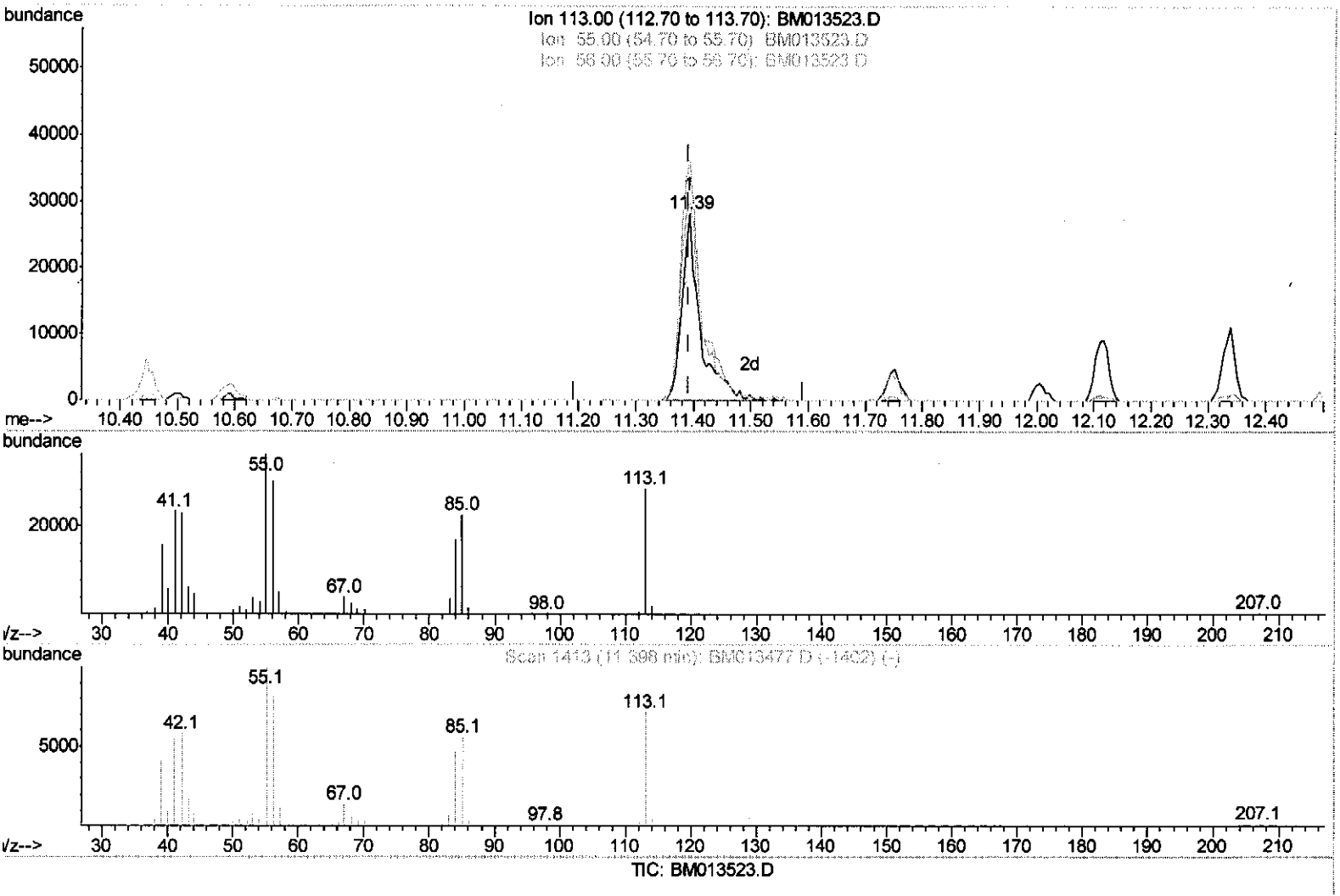
Manual Integrations APPROVED
Sohil
12/20/2017 5:23:03 PM



TIC: BM013523.D

(32) Caprolactam

11.392min (-0.000) 16.80ng/ul m> SJ 12/20/17

response 61099

Ion	Exp%	Act%
113.00	100	100
55.00	260.00	127.65#
56.00	200.00	105.65#
0.00	0.00	0.00

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM122017\
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ALS Vial : 2 Sample Multiplier: 1

Instrument :
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LabSampleId :
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Manual Integrations APPROVED
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Quant Time: Dec 20 15:20:41 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	156975	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	704241	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	442828	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	985061	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	815677	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	695585	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.22	96	23900	7.54	ng/uL	0.00
5) Phenol-d5	6.85	99	253453	18.66	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.01	67	151095	19.51	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	205440	19.36	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	209443	18.05	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	106265	19.03	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	114492	19.15	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	237839	19.31	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	258843	22.86	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	719884	18.27	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	930699	19.14	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	91995	13.44	ng/ul	0.00
57) Fluorene-d10	15.31	176	660289	19.48	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.44	200	96793	15.62	ng/ul	0.00
70) Anthracene-d10	17.16	188	957267	19.40	ng/ul	0.00
76) Pyrene-d10	19.46	212	898348	22.11	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	692662	19.55	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.25	88	28408	7.984	ng/uL#	64
4) Benzaldehyde	6.82	77	137831	20.509	ng/ul	96
6) Phenol	6.87	94	248179	18.485	ng/ul#	88
8) Bis(2-Chloroethyl)ether	7.10	93	195190	19.014	ng/ul	99
10) 2-Chlorophenol	7.24	128	200504	19.267	ng/ul	97
11) 2-Methylphenol	8.12	108	189883	18.286	ng/ul	99
12) 2,2'-oxybis(1-Chloropropan	8.20	45	205671	19.081	ng/ul#	80
14) Acetophenone	8.49	105	330031	18.704	ng/ul	90
15) N-Nitroso-di-n-propylamine	8.47	70	170078	19.136	ng/ul#	68
16) 4-Methylphenol	8.44	108	208620	18.787	ng/ul	92
17) Hexachloroethane	8.73	117	79035	17.444	ng/ul#	75
20) Nitrobenzene	8.87	77	271966	19.331	ng/ul	93
21) Isophorone	9.39	82	441145	17.820	ng/ul#	93
23) 2-Nitrophenol	9.57	139	115371	18.618	ng/ul#	86
24) 2,4-Dimethylphenol	9.63	107	251965	18.643	ng/ul	89
25) Bis(2-Chloroethoxy)methane	9.87	93	276932	19.114	ng/ul	93
27) 2,4-Dichlorophenol	10.10	162	219031	19.251	ng/ul	89
28) Naphthalene	10.50	128	692173	19.104	ng/ul	99
30) 4-Chloroaniline	10.62	127	256532	23.406	ng/ul	92
31) Hexachlorobutadiene	10.77	225	153444	18.619	ng/ul	93
32) Caprolactam	11.39	113	61099m	16.803	ng/ul	
33) 4-Chloro-3-methylphenol	11.75	107	229710	18.405	ng/ul	95
34) 2-Methylnaphthalene	12.12	142	523711	19.228	ng/ul	96

SJ 12/20/17

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Manual Integrations APPROVED
Sohil
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Quant Time: Dec 20 15:20:41 2017
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 20 03:10:37 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.49	216	310432	19.428 ng/ul#	97
37) Hexachlorocyclopentadiene	12.46	237	144075	13.699 ng/ul	97
38) 2,4,6-Trichlorophenol	12.74	196	194364	19.511 ng/ul	94
39) 2,4,5-Trichlorophenol	12.81	196	200577	18.955 ng/ul	95
40) 1,1'-Biphenyl	13.14	154	717584	19.174 ng/ul	97
41) 2-Chloronaphthalene	13.18	162	571351	19.459 ng/ul	100
42) 2-Nitroaniline	13.40	65	164008	19.065 ng/ul	94
44) Dimethylphthalate	13.77	163	702559	18.641 ng/ul	99
45) 2,6-Dinitrotoluene	13.90	165	144722	18.827 ng/ul#	93
47) Acenaphthylene	14.03	152	851432	18.920 ng/ul	99
48) 3-Nitroaniline	14.23	138	125992	18.337 ng/ul	90
49) Acenaphthene	14.37	153	578061	18.857 ng/ul	97
50) 2,4-Dinitrophenol	14.45	184	72733	17.098 ng/ul	93
52) 4-Nitrophenol	14.55	109	90062	13.409 ng/ul#	81
53) Dibenzofuran	14.72	168	878218	19.406 ng/ul	99
54) 2,4-Dinitrotoluene	14.70	165	208847	18.677 ng/ul	98
55) 2,3,4,6-Tetrachlorophenol	14.94	232	174623	17.998 ng/ul#	92
56) Diethylphthalate	15.14	149	693133	18.336 ng/ul	95
58) Fluorene	15.37	166	700495	18.710 ng/ul	98
59) 4-Chlorophenyl-phenylether	15.36	204	390304	19.208 ng/ul	98
60) 4-Nitroaniline	15.40	138	117540	14.499 ng/ul	95
63) 4,6-Dinitro-2-methylphenol	15.46	198	93434	15.088 ng/ul	96
64) N-Nitrosodiphenylamine	15.58	169	594843	20.499 ng/ul	100
65) 4-Bromophenyl-phenylether	16.26	248	235844	20.367 ng/ul	95
66) Hexachlorobenzene	16.37	284	248696	19.475 ng/ul#	88
67) Atrazine	16.54	200	202149	18.874 ng/ul	94
68) Pentachlorophenol	16.72	266	106186	14.377 ng/ul	96
69) Phenanthrene	17.10	178	1086646	19.417 ng/ul	100
71) Anthracene	17.20	178	1107276	19.357 ng/ul	99
72) Carbazole	17.47	167	861384	17.507 ng/ul	99
73) Di-n-butylphthalate	18.04	149	1057573	18.412 ng/ul	98
74) Fluoranthene	19.13	202	1128807	16.459 ng/ul#	95
77) Pyrene	19.49	202	1128410	22.771 ng/ul#	93
78) Butylbenzylphthalate	20.40	149	387541	20.016 ng/ul	91
79) 3,3'-Dichlorobenzidine	21.18	252	259066	15.109 ng/ul#	99
80) Benzo(a)anthracene	21.24	228	984431	19.022 ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.17	149	497396	17.043 ng/ul#	96
82) Chrysene	21.29	228	915290	19.063 ng/ul	99
84) Di-n-octyl phthalate	22.05	149	798732	16.148 ng/ul	100
85) Benzo(b)fluoranthene	22.81	252	889319	18.966 ng/ul#	98
86) Benzo(k)fluoranthene	22.86	252	883151	20.014 ng/ul#	98
88) Benzo(a)pyrene	23.38	252	836894	19.868 ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.71	276	822187	19.672 ng/ul#	93
90) Dibenzo(a,h)anthracene	25.72	278	712466	20.020 ng/ul#	95
91) Benzo(g,h,i)perylene	26.40	276	617623	18.735 ng/ul#	97

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