Data Path : Z:\HPCHEM1\BNA M\DATA\BM121316\
Data File : BM008274.D
Acq On : 13 Dec 2016 15:59
Operator : UM/SJ
Sample : SSTD02037
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 13 17:19:23 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM12131
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 17:07:13 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTD02037

Manual Integrations APPROVED
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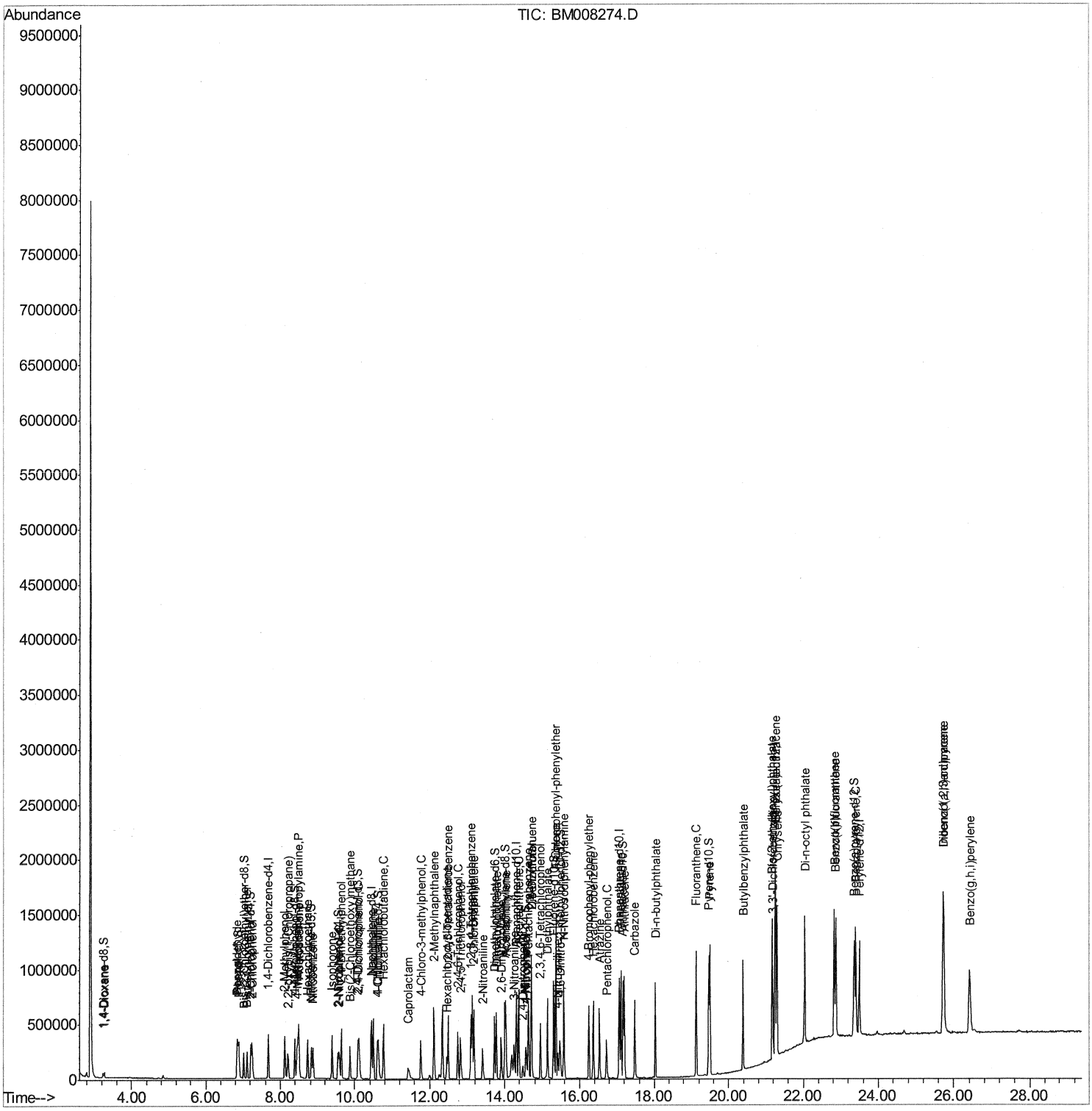
12/14/2016 6:14:34 PM



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121316\
Data File : BM008274.D
Acq On : 13 Dec 2016 15:59
Operator : UM/SJ
Sample : SSTD02037
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 13 17:15:48 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM1213
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 17:07:13 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTD02037

Manual Integrations APPROVED
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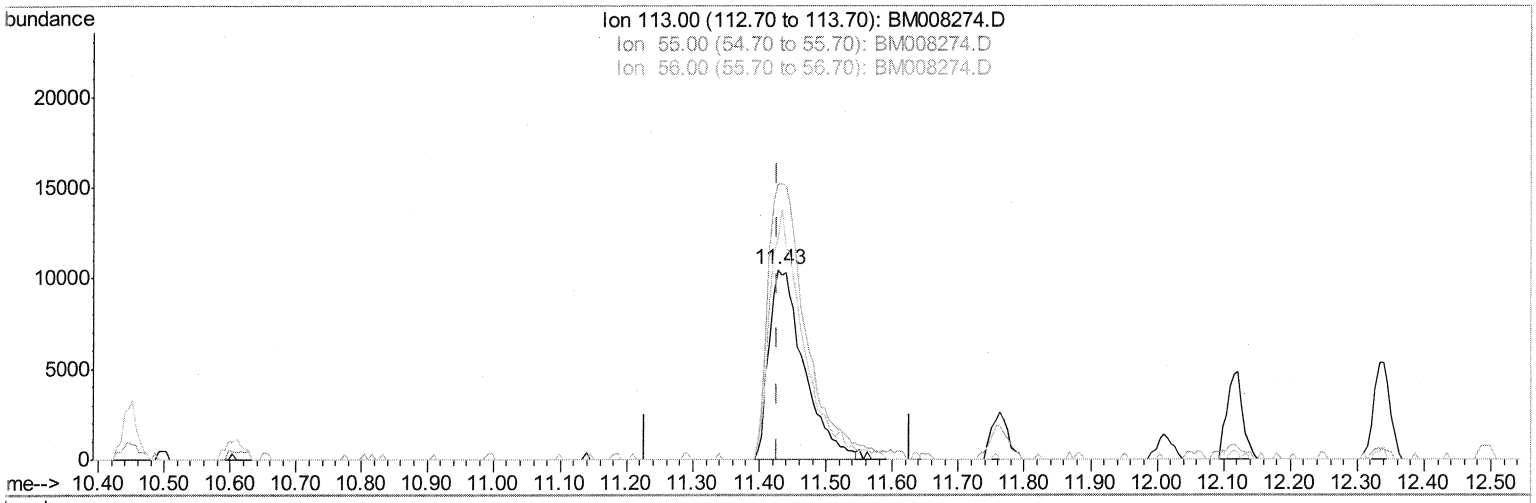

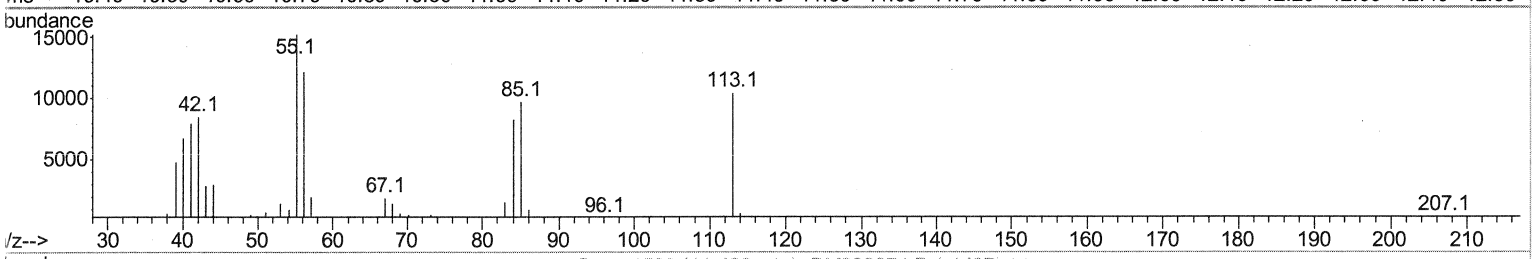

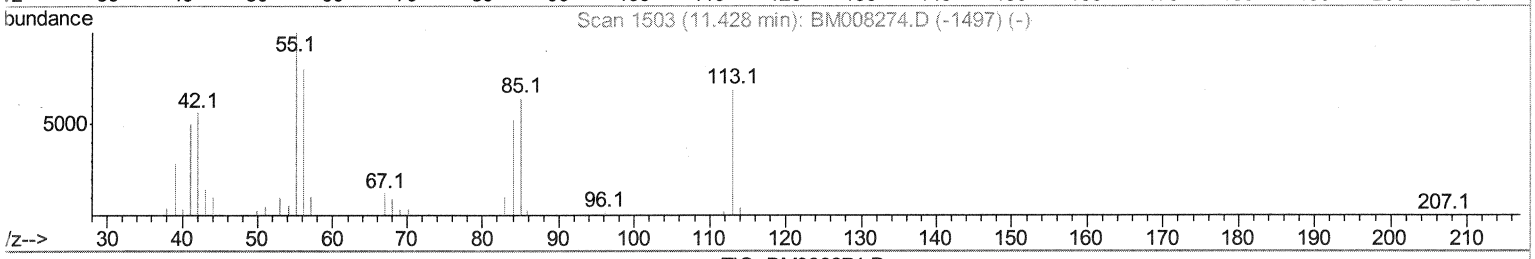

TIC: BM008274.D

(32) Caprolactam

11.428min (0.000) 15.71ng/ul

response 37948

Ion	Exp%	Act%
113.00	100	100
55.00	127.40	145.44
56.00	101.50	116.62
0.00	0.00	0.00

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ALS Vial : 4 Sample Multiplier: 1

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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM12131
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 17:07:13 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTD02037

Manual Integrations APPROVED
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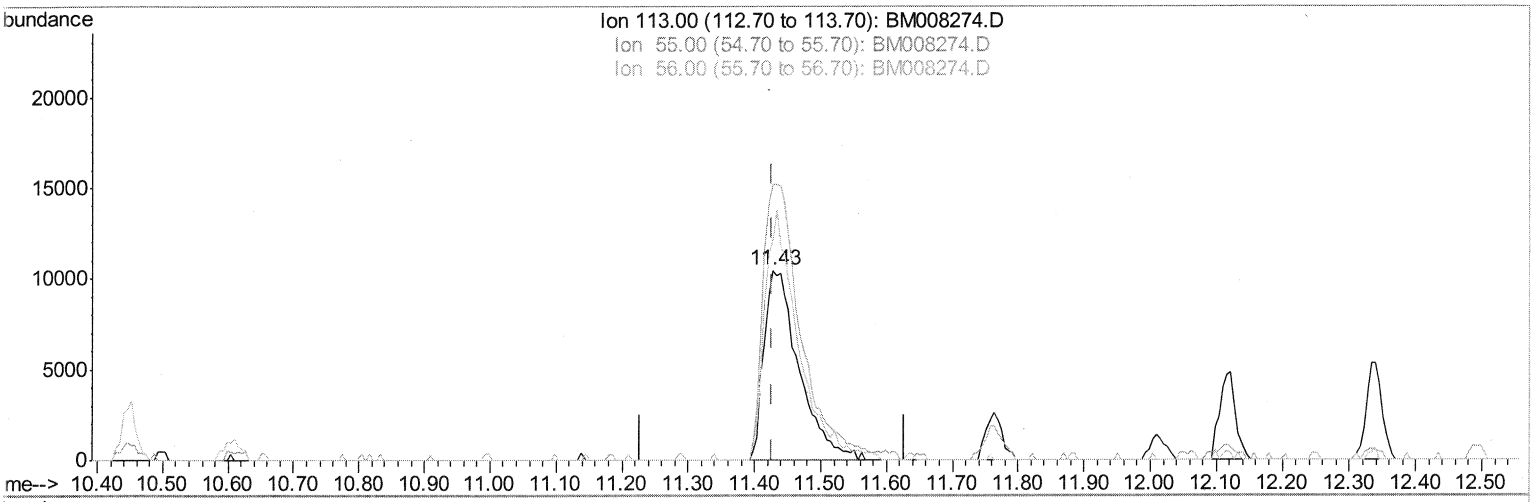

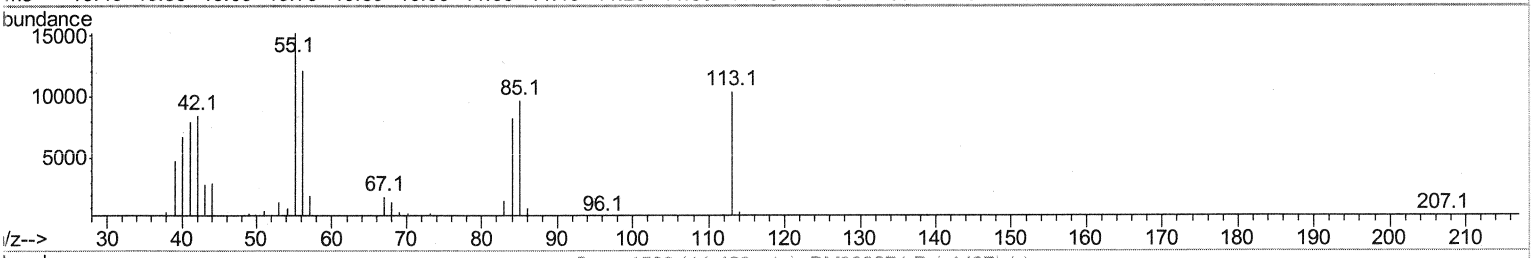

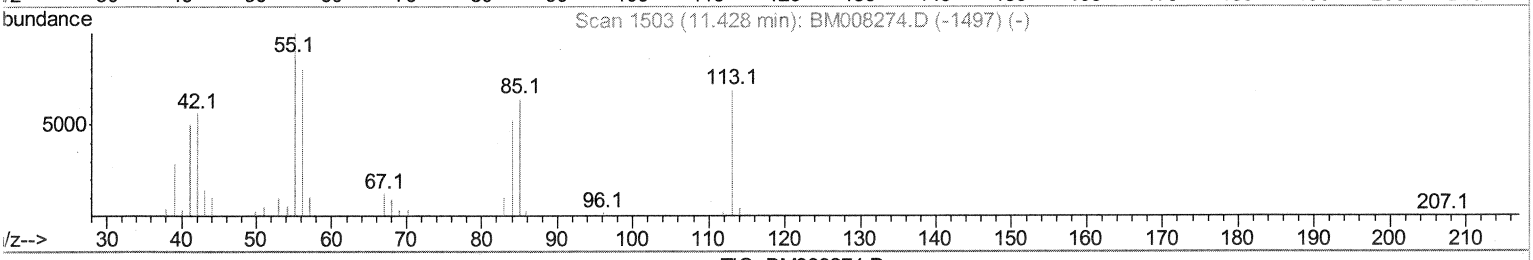

TIC: BM008274.D

(32) Caprolactam

11.428min (0.000) 15.79ng/ul m SJ 12/14/16

response 38143

Ion	Exp%	Act%
113.00	100	100
55.00	127.40	145.44
56.00	101.50	116.62
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121316\
Data File : BM008274.D
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Sample : SSTD02037
Misc :
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Quant Title : SVOA CALIBRATION
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ClientSampleId : SSTD02037

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	108645	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	420290	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	273777	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	528265	20.00	ng/ul	0.00
77) Chrysene-d12	21.26	240	680300	20.00	ng/ul	0.00
85) Perylene-d12	23.50	264	680569	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.24	96	19888	7.41	ng/uL	0.00
5) Phenol-d5	6.86	99	172384	17.85	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	103242	19.74	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	135693	18.52	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	134101	16.54	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	65473	21.95	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	73753	22.24	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	132788	21.48	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	157059	21.29	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	379630	17.58	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	464751	17.99	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	50450	11.81	ng/ul	0.00
57) Fluorene-d10	15.31	176	333682	17.87	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.47	200	59017	18.65	ng/ul	0.00
70) Anthracene-d10	17.17	188	496931	21.02	ng/ul	0.00
78) Pyrene-d10	19.47	212	570445	19.31	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.35	264	626655	20.78	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.27	88	25139	7.69	ng/uL	96
4) Benzaldehyde	6.84	77	130704	29.04	ng/ul	92
6) Phenol	6.89	94	179824	17.84	ng/ul#	89
8) Bis(2-Chloroethyl)ether	7.11	93	141565	18.53	ng/ul	92
10) 2-Chlorophenol	7.25	128	140964	18.27	ng/ul	94
11) 2-Methylphenol	8.13	108	133488	16.78	ng/ul	98
12) 2,2'-oxybis(1-Chloropropan	8.20	45	158701	17.03	ng/ul	98
14) Acetophenone	8.50	105	218946	17.86	ng/ul#	90
15) N-Nitroso-di-n-propylamine	8.48	70	115536	18.62	ng/ul	93
16) 4-Methylphenol	8.45	108	143464	16.18	ng/ul	97
17) Hexachloroethane	8.73	117	62536	21.14	ng/ul	93
20) Nitrobenzene	8.87	77	171039	23.90	ng/ul	89
21) Isophorone	9.39	82	298506	20.96	ng/ul	96
23) 2-Nitrophenol	9.59	139	76253	21.09	ng/ul	92
24) 2,4-Dimethylphenol	9.64	107	168149	22.00	ng/ul	93
25) Bis(2-Chloroethoxy)methane	9.87	93	175229	19.75	ng/ul	97
27) 2,4-Dichlorophenol	10.12	162	131497	20.60	ng/ul	96
28) Naphthalene	10.50	128	431799	20.32	ng/ul	100
30) 4-Chloroaniline	10.63	127	159121	20.44	ng/ul	98
31) Hexachlorobutadiene	10.77	225	108328	27.90	ng/ul	97
32) Caprolactam	11.43	113	38143m	15.79	ng/ul	
33) 4-Chloro-3-methylphenol	11.76	107	141101	19.27	ng/ul	94
34) 2-Methylnaphthalene	12.12	142	304738	19.25	ng/ul	100

SJ 12/14/16

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Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.49	216	184759	21.80	ng/ul	98
37) Hexachlorocyclopentadiene	12.46	237	54257	10.77	ng/ul	97
38) 2,4,6-Trichlorophenol	12.75	196	107020	19.14	ng/ul	99
39) 2,4,5-Trichlorophenol	12.83	196	114025	18.54	ng/ul	96
40) 1,1'-Biphenyl	13.14	154	396908	17.86	ng/ul	98
41) 2-Chloronaphthalene	13.19	162	304432	18.18	ng/ul	97
42) 2-Nitroaniline	13.41	65	88883	18.43	ng/ul#	80
44) Dimethylphthalate	13.78	163	375968	17.09	ng/ul	100
45) 2,6-Dinitrotoluene	13.91	165	73729	17.23	ng/ul#	85
47) Acenaphthylene	14.03	152	470520	17.11	ng/ul	99
48) 3-Nitroaniline	14.25	138	72155	16.49	ng/ul	81
49) Acenaphthene	14.38	153	323724	17.57	ng/ul	98
50) 2,4-Dinitrophenol	14.49	184	32441	11.42	ng/ul	93
52) 4-Nitrophenol	14.57	109	48809	13.95	ng/ul	86
53) Dibenzofuran	14.72	168	466195	17.44	ng/ul	98
54) 2,4-Dinitrotoluene	14.72	165	106253	16.50	ng/ul#	47
55) 2,3,4,6-Tetrachlorophenol	14.95	232	102605	18.78	ng/ul#	89
56) Diethylphthalate	15.14	149	369737	16.60	ng/ul	99
58) Fluorene	15.37	166	378047	17.75	ng/ul	99
59) 4-Chlorophenyl-phenylether	15.36	204	203915	19.67	ng/ul	90
60) 4-Nitroaniline	15.42	138	58985	11.50	ng/ul#	81
63) 4,6-Dinitro-2-methylphenol	15.48	198	60213	17.75	ng/ul#	89
64) N-Nitrosodiphenylamine	15.58	169	318536	20.79	ng/ul	99
65) 4-Bromophenyl-phenylether	16.26	248	127212	24.15	ng/ul#	90
66) Hexachlorobenzene	16.37	284	143144	23.87	ng/ul#	92
67) Atrazine	16.54	200	122824	21.86	ng/ul	95
68) Pentachlorophenol	16.73	266	70584	18.93	ng/ul	96
69) Phenanthrene	17.11	178	595402	20.44	ng/ul	98
71) Anthracene	17.20	178	603881	20.68	ng/ul	98
72) 1,2,3,4-Tetrachlorobenzene	13.10	216	178417	25.99	ng/uL	99
73) Pentachlorobenzene	14.64	250	178551	26.03	ng/uL	98
74) Carbazole	17.48	167	505168	19.39	ng/ul	99
75) Di-n-butylphthalate	18.03	149	590289	19.07	ng/ul	99
76) Fluoranthene	19.13	202	703837	21.75	ng/ul#	95
79) Pyrene	19.50	202	731835	18.80	ng/ul#	94
80) Butylbenzylphthalate	20.40	149	266529	16.14	ng/ul#	90
81) 3,3'-Dichlorobenzidine	21.19	252	250958	18.93	ng/ul	99
82) Benzo(a)anthracene	21.25	228	762350	19.54	ng/ul	99
83) Bis(2-ethylhexyl)phthalate	21.17	149	398011	16.87	ng/ul#	98
84) Chrysene	21.30	228	728995	19.70	ng/ul	99
86) Di-n-octyl phthalate	22.04	149	699940	17.37	ng/ul	98
87) Benzo(b)fluoranthene	22.83	252	783192	20.08	ng/ul#	96
88) Benzo(k)fluoranthene	22.87	252	794567	21.24	ng/ul#	97
90) Benzo(a)pyrene	23.40	252	771286	20.39	ng/ul#	96
91) Indeno(1,2,3-cd)pyrene	25.73	276	954731	21.16	ng/ul#	89
92) Dibenzo(a,h)anthracene	25.74	278	797649	21.27	ng/ul#	93
93) Benzo(g,h,i)perylene	26.42	276	798277	20.60	ng/ul#	91

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