

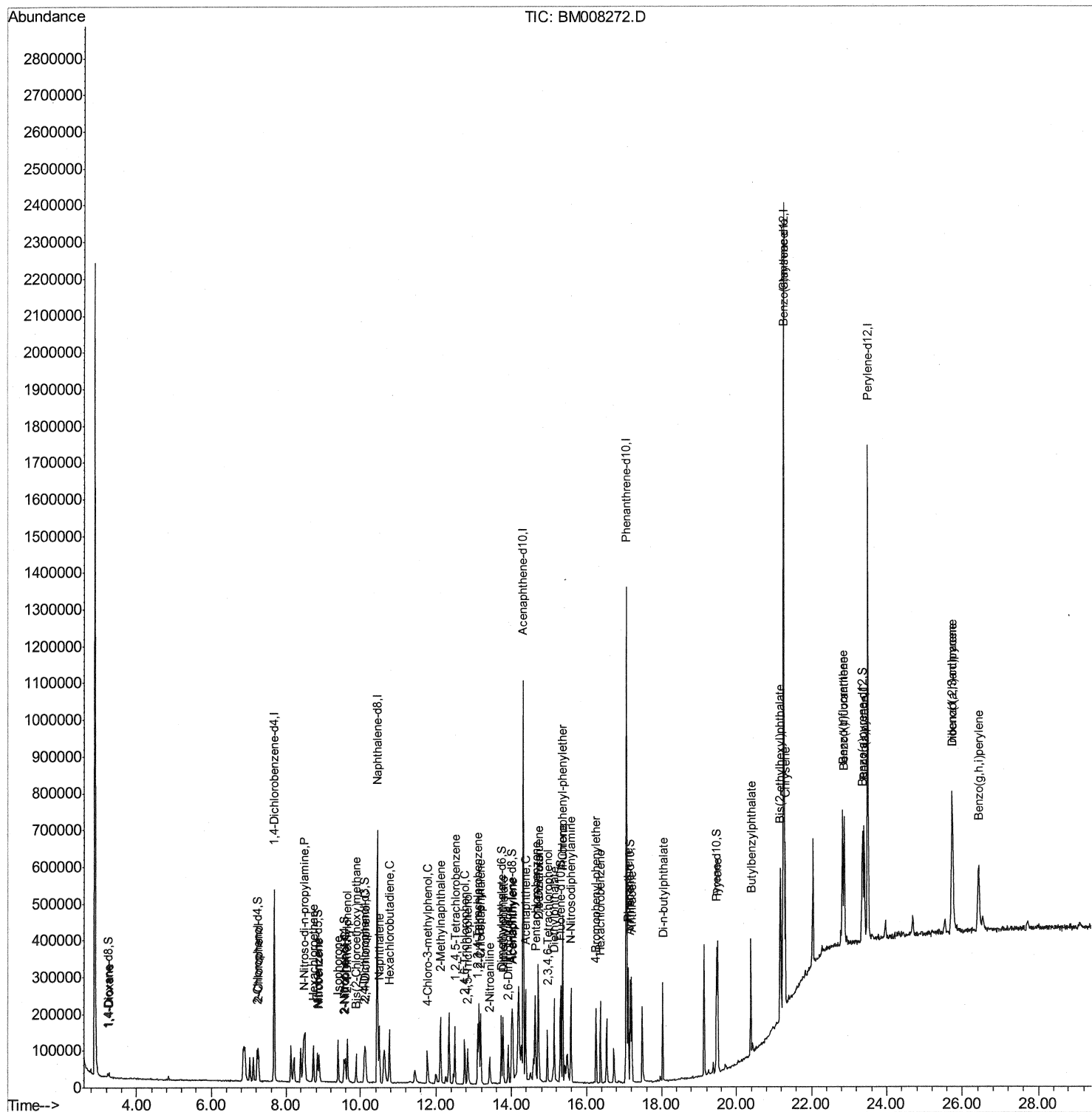
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121316\
Data File : BM008272.D
Acq On : 13 Dec 2016 14:47
Operator : UM/SJ
Sample : SST00535
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SST00535

Manual Integrations
APPROVED

sohil
12/14/2016 6:14:39 PM

Quant Time: Dec 13 18:44:13 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121316.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 17:07:13 2016
Response via : Initial Calibration



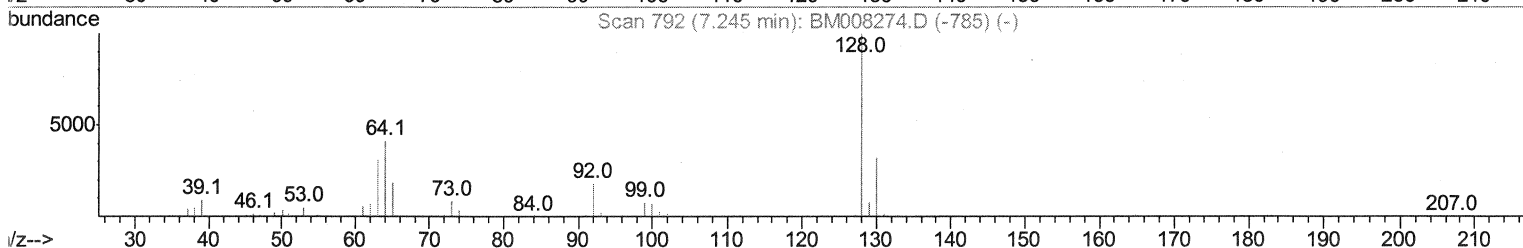
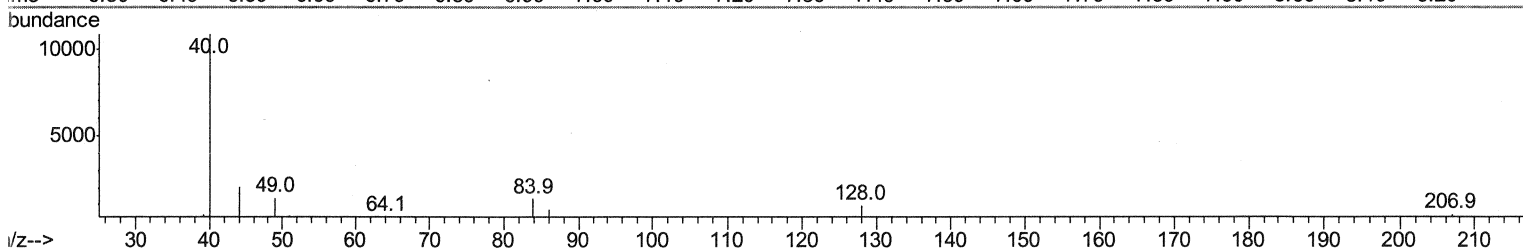
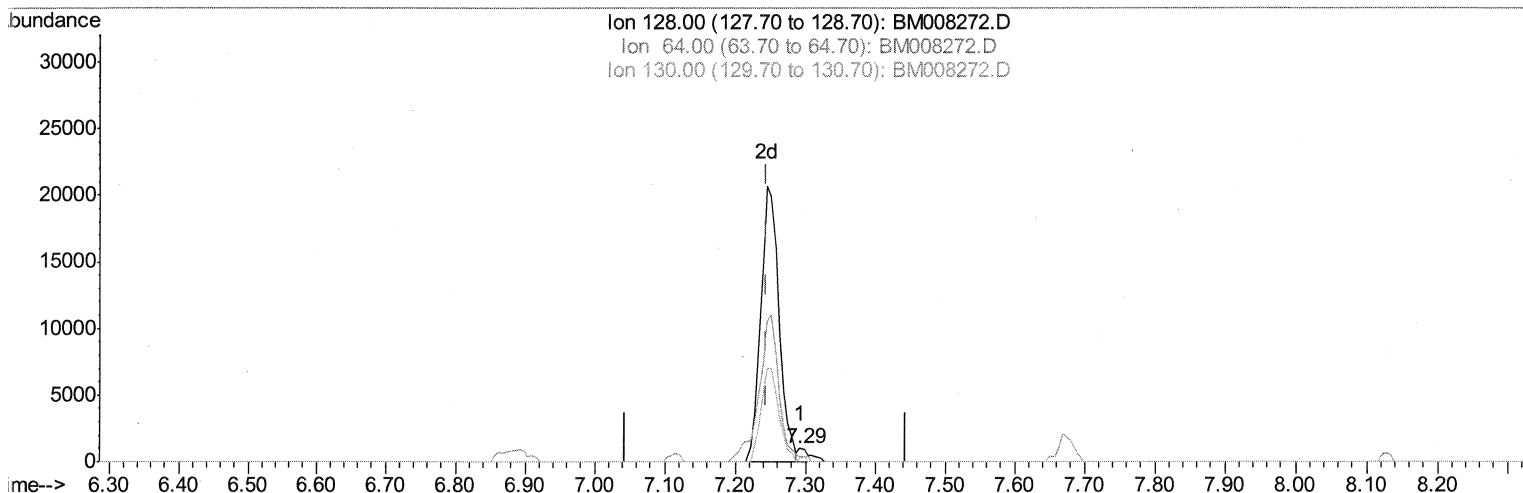
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121316\
 Data File : BM008272.D
 Acq On : 13 Dec 2016 14:47
 Operator : UM/SJ
 Sample : SSTD00535
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD00535

Manual Integrations
 APPROVED

sohil
 12/14/2016 6:14:39 PM

Quant Time: Dec 13 17:43:43 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121316.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 13 17:07:13 2016
 Response via : Initial Calibration



TIC: BM008272.D

(10) 2-Chlorophenol

7.292min (+0.047) 0.12ng/ul

response 1267

Ion	Exp%	Act%
128.00	100	100
64.00	39.90	37.73
130.00	32.00	31.09
0.00	0.00	0.00

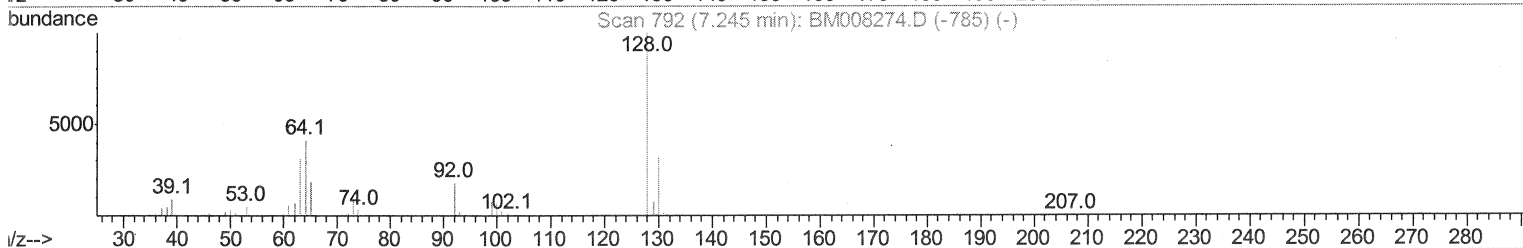
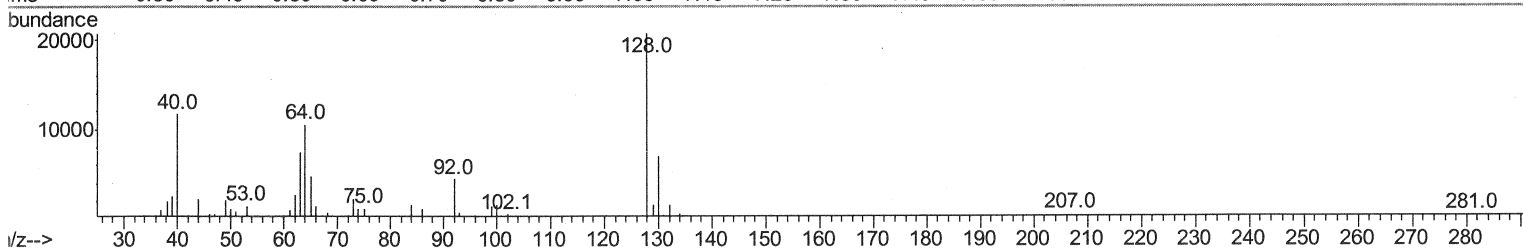
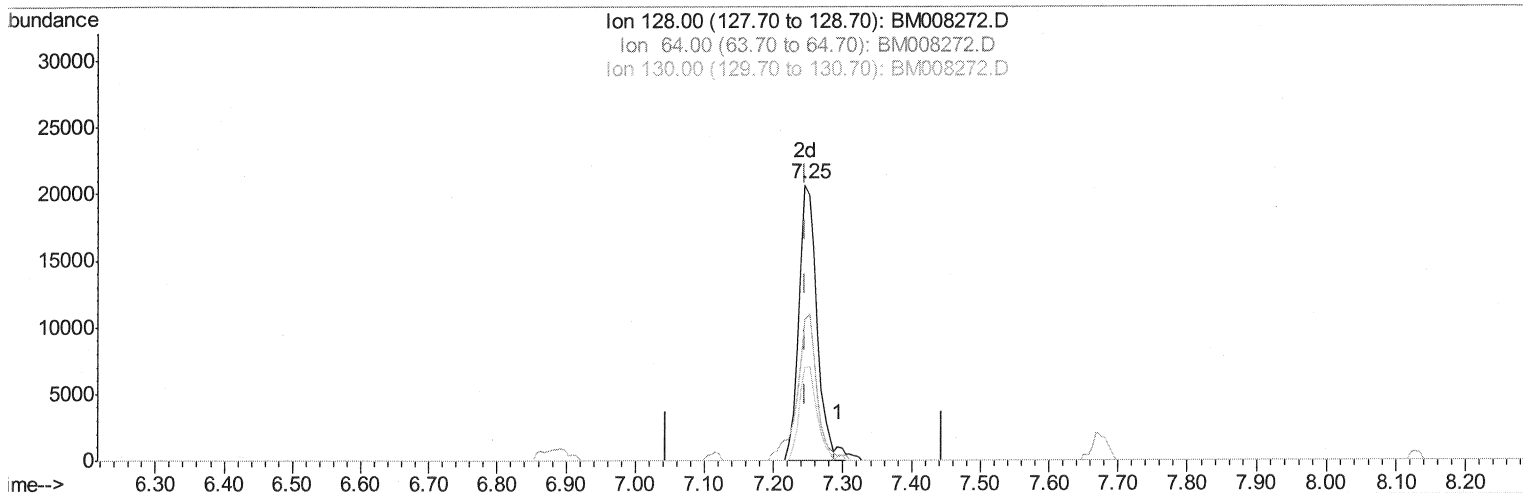
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121316\
Data File : BM008272.D
Acq On : 13 Dec 2016 14:47
Operator : UM/SJ
Sample : SST00535
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD00535

Manual Integrations
APPROVED

sohil
12/14/2016 6:14:39 PM

Quant Time: Dec 13 17:43:43 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121316.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 17:07:13 2016
Response via : Initial Calibration



TIC: BM008272.D

(10) 2-Chlorophenol

7.245min (-0.000) 3.65ng/ul m

SJ 12/14/16

response 37050

Ion	Exp%	Act%
128.00	100	100
64.00	39.90	50.93#
130.00	32.00	33.67
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121316\
 Data File : BM008272.D
 Acq On : 13 Dec 2016 14:47
 Operator : UM/SJ
 Sample : SST00535
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 SST00535

Manual Integrations
 APPROVED

sohil
 12/14/2016 6:14:39 PM

Quant Time: Dec 13 18:44:13 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121316
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 13 17:07:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	143122	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	556030	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	376130	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	783278	20.00	ng/ul	0.00
77) Chrysene-d12	21.26	240	1030079	20.00	ng/ul	0.00
85) Perylene-d12	23.49	264	1051444	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.24	96	5602	1.58	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	7.22	132	36498	3.78	ng/ul	0.00
13) 4-Methylphenol-d8	0.00	113	0d	0.00	ng/ul	
19) Nitrobenzene-d5	8.84	128	18355	4.65	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	19621	4.47	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	36736	4.49	ng/ul	0.01
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
43) Dimethylphthalate-d6	13.73	166	118287	3.99	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	135625	3.82	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
57) Fluorene-d10	15.32	176	103610	4.04	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
70) Anthracene-d10	17.17	188	159090	4.54	ng/ul	0.00
78) Pyrene-d10	19.47	212	184238	4.12	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.35	264	200010	4.29	ng/ul	0.00

Target Compounds

						Ovalue
2) 1,4-Dioxane	3.28	88	7863	1.83	ng/uL	94
10) 2-Chlorophenol	7.25	128	37050m	3.65	ng/ul	
15) N-Nitroso-di-n-propylamine	8.48	70	33726	4.13	ng/ul	92
17) Hexachloroethane	8.73	117	18005	4.62	ng/ul	91
20) Nitrobenzene	8.88	77	47885	5.06	ng/ul#	89
21) Isophorone	9.40	82	85555	4.54	ng/ul	99
23) 2-Nitrophenol	9.59	139	19774	4.13	ng/ul#	80
24) 2,4-Dimethylphenol	9.65	107	46826	4.63	ng/ul	90
25) Bis(2-Chloroethoxy)methane	9.88	93	49699	4.23	ng/ul	99
27) 2,4-Dichlorophenol	10.13	162	36629	4.34	ng/ul	96
28) Naphthalene	10.50	128	123326	4.39	ng/ul	99
31) Hexachlorobutadiene	10.77	225	30964	6.03	ng/ul	97
33) 4-Chloro-3-methylphenol	11.77	107	39882	4.12	ng/ul	92
34) 2-Methylnaphthalene	12.12	142	88900	4.24	ng/ul	97
36) 1,2,4,5-Tetrachlorobenzene	12.50	216	55366	4.76	ng/ul	97
38) 2,4,6-Trichlorophenol	12.75	196	29563	3.85	ng/ul	98
39) 2,4,5-Trichlorophenol	12.83	196	33300	3.94	ng/ul	99
40) 1,1'-Biphenyl	13.14	154	115438	3.78	ng/ul	97
41) 2-Chloronaphthalene	13.19	162	89828	3.91	ng/ul	97
42) 2-Nitroaniline	13.42	65	24465	3.69	ng/ul#	80
44) Dimethylphthalate	13.78	163	115283	3.81	ng/ul	99
45) 2,6-Dinitrotoluene	13.92	165	20634	3.51	ng/ul#	74
47) Acenaphthylene	14.04	152	139125	3.68	ng/ul	99

52 12/14/16

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121316\
 Data File : BM008272.D
 Acq On : 13 Dec 2016 14:47
 Operator : UM/SJ
 Sample : SSTD00535
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD00535

Manual Integrations
 APPROVED

sohil
 12/14/2016 6:14:39 PM

Quant Time: Dec 13 18:44:13 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121316
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 13 17:07:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Acenaphthene	14.38	153	97031	3.83	nq/ul	99
53) Dibenzofuran	14.72	168	142828	3.89	nq/ul	92
54) 2,4-Dinitrotoluene	14.72	165	30439	3.44	nq/ul#	42
55) 2,3,4,6-Tetrachlorophenol	14.96	232	31418	4.18	nq/ul#	86
56) Diethylphthalate	15.14	149	117407	3.84	nq/ul	99
58) Fluorene	15.37	166	116456	3.98	nq/ul	99
59) 4-Chlorophenyl-phenylether	15.36	204	62349	4.38	nq/ul	90
64) N-Nitrosodiphenylamine	15.59	169	98421	4.33	nq/ul	98
65) 4-Bromophenyl-phenylether	16.26	248	40810	5.22	nq/ul#	90
66) Hexachlorobenzene	16.37	284	45250	5.09	nq/ul	93
69) Phenanthrene	17.11	178	189223	4.38	nq/ul	98
71) Anthracene	17.20	178	185244	4.28	nq/ul	98
72) 1,2,3,4-Tetrachlorobenzene	13.11	216	52864	5.19	nq/uL	95
73) Pentachlorobenzene	14.64	250	53536	5.26	nq/uL	98
75) Di-n-butylphthalate	18.03	149	185516	4.04	nq/ul#	98
79) Pyrene	19.50	202	240937	4.09	nq/ul	95
80) Butylbenzylphthalate	20.40	149	85113	3.40	nq/ul	91
82) Benzo(a)anthracene	21.25	228	251448	4.26	nq/ul	98
83) Bis(2-ethylhexyl)phthalate	21.17	149	121814	3.41	nq/ul#	97
84) Chrysene	21.30	228	246205	4.39	nq/ul	99
87) Benzo(b)fluoranthene	22.83	252	259453	4.31	nq/ul#	97
88) Benzo(k)fluoranthene	22.87	252	246927	4.27	nq/ul#	95
90) Benzo(a)pyrene	23.40	252	244686	4.19	nq/ul#	97
91) Indeno(1,2,3-cd)pyrene	25.73	276	303730	4.36	nq/ul#	89
92) Dibenzo(a,h)anthracene	25.74	278	258316	4.46	nq/ul#	93
93) Benzo(g,h,i)perylene	26.43	276	254395	4.25	nq/ul#	92

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