Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120921\

Data File : BG051461.D

Acq On : 10 Dec 2021 18:19

Operator : CG/JU Sample : M4985-17

Misc

ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 11 01:31:11 2021

 $\label{thm:power_quant_method} \textbf{Quant Methods} : \textbf{Z:} \\ \textbf{SPAM-EPA-BG120821.M} \\ \\ \textbf{Quant Method : Z:} \\ \textbf{SPAM-EPA-BG120821.M} \\ \\ \textbf{Quant Method : Z:} \\ \textbf{Quant Method : Z:} \\ \textbf{Method :$

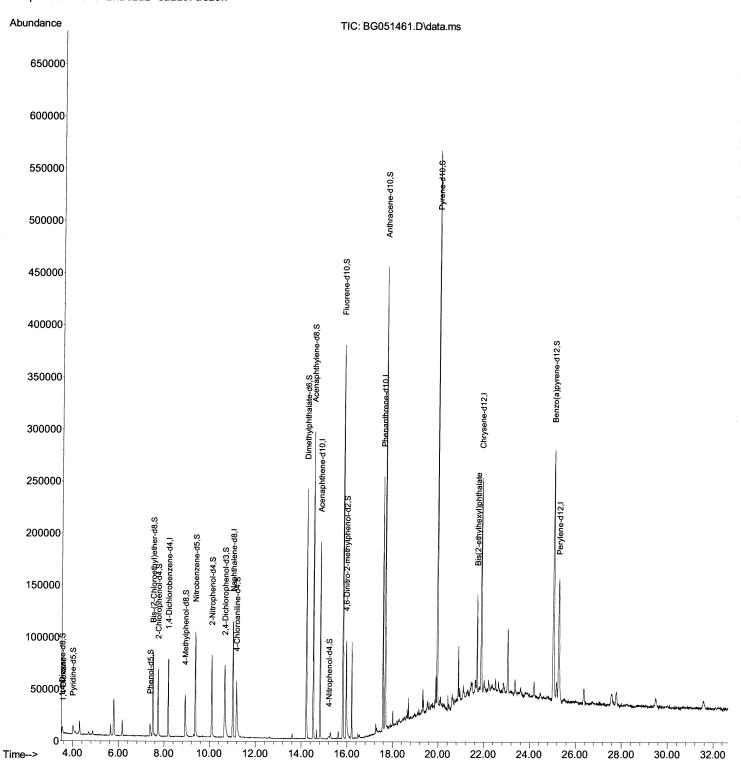
Quant Title : SVOA CALIBRATION

QLast Update : Thu Dec 09 03:21:41 2021 Response via : Initial Calibration



Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/13/2021 Supervised By :Yogesh Patel 12/15/2021



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120921\

Data File : BG051461.D

Acq On : 10 Dec 2021 18:19

Operator : CG/JU Sample : M4985-17

Misc

ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 11 01:31:11 2021

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG120821.M

Quant Title : SVOA CALIBRATION

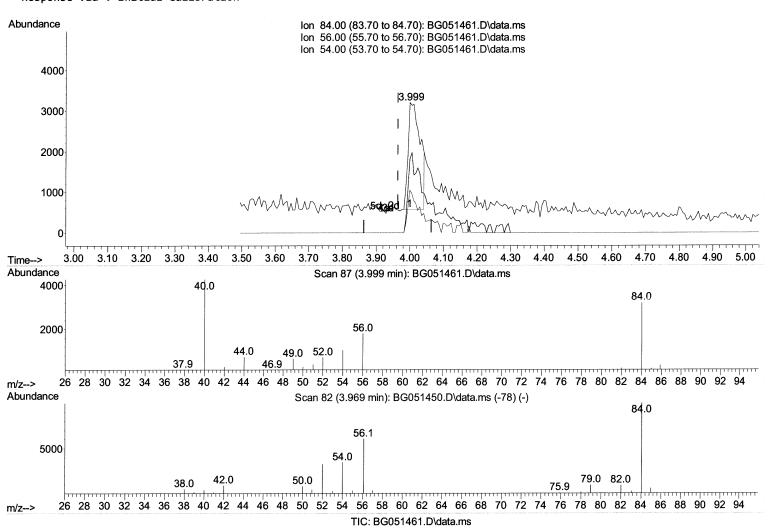
QLast Update : Thu Dec 09 03:21:41 2021 Response via : Initial Calibration



FW5Q8

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/13/2021 Supervised By :Yogesh Patel 12/15/2021



(4) Pyridine-d5 (S)

3.999min (+ 0.035) 3.32 ng/ul

response	6523	
Ion	Ежр%	Act%
84.00	100.00	100.00
56.00	68.00	56.37
54.00	31.50	32.64
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120921\

Data File : BG051461.D

Acq On : 10 Dec 2021 18:19

Operator : CG/JU Sample : M4985-17

Misc

ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 11 01:31:11 2021

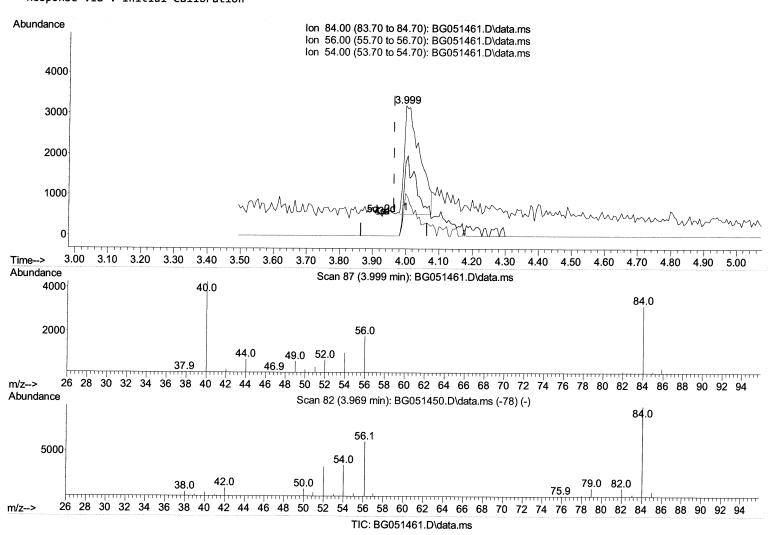
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG120821.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Dec 09 03:21:41 2021 Response via : Initial Calibration Instrument: BNA_G ClientSampleId: EW5Q8

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/13/2021 Supervised By :Yogesh Patel 12/15/2021



(4) Pyridine-d5 (S)

3.999min (+ 0.035) 4.37 ng/ul m (川川はづ

response	8589		
Ion	Ежр%	Act%	
84.00	100.00	100.00	
56.00	68.00	56.37	
54.00	31.50	32.64	
0.00	0.00	0.00	

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120921\

Data File : BG051461.D

Acq On : 10 Dec 2021 18:19

Operator : CG/JU Sample : M4985-17

Misc

ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 11 01:31:11 2021

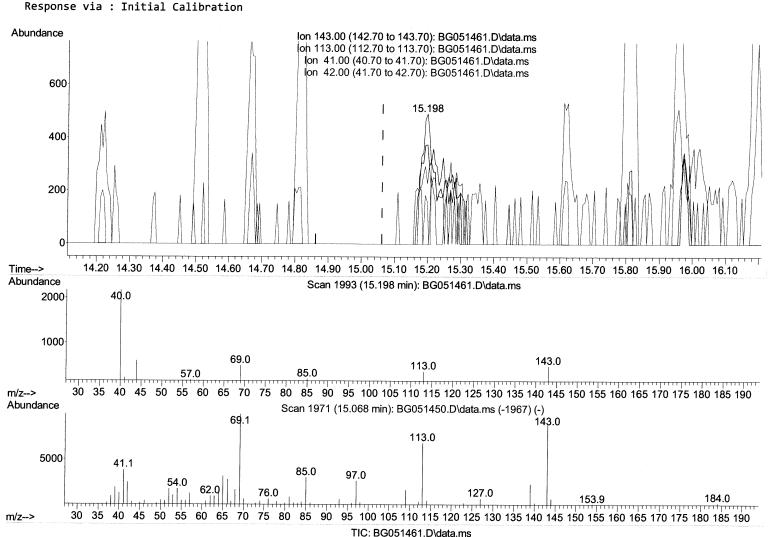
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG120821.M

Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 09 03:21:41 2021
Response via : Initial Calibration



Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/13/2021 Supervised By :Yogesh Patel 12/15/2021



(54) 4-Nitrophenol-d4 (S)

15.198min (+ 0.135) 1.24 ng/ul

response	967			
Ion	Ежр%	Act%		
143.00	100.00	100.00		
113.00	80.30	76.37		
41.00	44.40	46.64		
42.00	29.70	32.59		

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120921\

Data File : BG051461.D

Acq On : 10 Dec 2021 18:19

Operator : CG/JU Sample : M4985-17

Misc

ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 11 01:31:11 2021

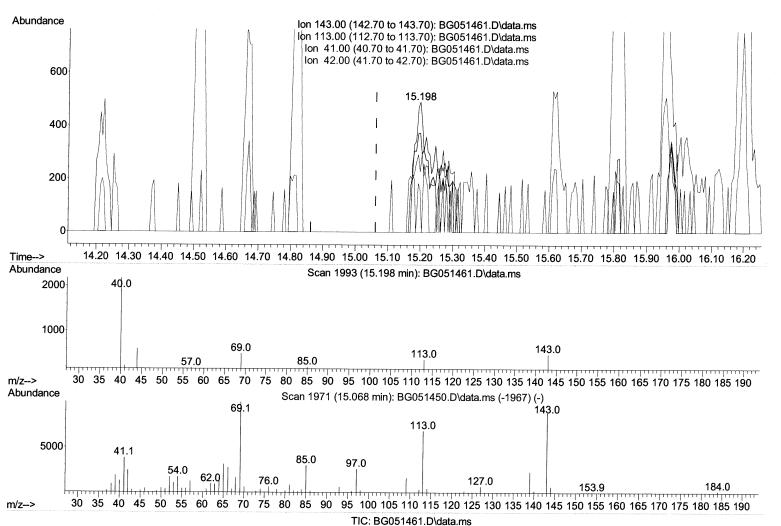
Quant Title : SVOA CALIBRATION

QLast Update : Thu Dec 09 03:21:41 2021 Response via : Initial Calibration



Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/13/2021 Supervised By :Yogesh Patel 12/15/2021



(54) 4-Nitrophenol-d4 (S)

15.198min (+ 0.135) 2.24 ng/ul m [] [[] [] [

response	1747		
Ion	Ежр%	Act%	
143.00	100.00	100.00	
113.00	80.30	76.37	
41.00	44.40	46.64	
42.00	29.70	32.59	

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120921\

Data File : BG051461.D

Acq On : 10 Dec 2021 18:19

Operator : CG/JU Sample : M4985-17

Misc

ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 11 01:31:11 2021

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG120821.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Dec 09 03:21:41 2021 Response via : Initial Calibration Instrument : BNA_G ClientSampleId : EW5Q8

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/13/2021 Supervised By :Yogesh Patel 12/15/2021

Internal Standards	Compound	R.T.	QIon	Response	Conc Un:	its Dev(Min)
20) Naphthalene-d8 31	Internal Standards						
20) Naphthalene-d8 38) Acenaphthene-d10 38) Acenaphthene-d10 414.816 46 66953 20.000 ng/ul 0.00 64) Phenanthrene-d10 17.566 188 152735 20.000 ng/ul 0.00 79) Chrysene-d12 21.872 240 138545 20.000 ng/ul 0.00 88) Perylene-d12 25.263 264 132436 20.000 ng/ul 0.00 89) Perylene-d12 25.263 264 132436 20.000 ng/ul 0.00 89) Perylene-d5 3.599 84 8589m 4.371 ng/ul 0.00 89) Bis-(2-Chloroethyl)eth 89) 84 8589m 4.371 ng/ul 80 80 81) 2-Chlorophenol-d4 81) 2-Chlorophenol-d8 82) 313 83 83 848 ng/ul 8588m 848 ng/ul 8588m 858 ng/ul 8588m 858 ng/ul 8588m 858 ng/ul 8588 ng/	1) 1,4-Dichlorobenzene-d4	8.188	152	22472	20.000	ng/ul	0.00
38) Acenaphthene-d10	20) Naphthalene-d8	11.015	136				
64) Phenanthrene-d10 17.566 188 152735 20.000 ng/ul 0.00 79) Chrysene-d12 21.872 240 138545 20.000 ng/ul 0.00 88) Perylene-d12 25.263 264 132436 20.000 ng/ul -0.01 System Monitoring Compounds 3 1.4-Dioxane-d8 3.529 96 3670 5.363 ng/ul 0.00 4) Pyridine-d5 3.999 84 8589m 4.371 ng/ul > 0.04	38) Acenaphthene-d10	14.816	164	66953			
79) Chrysene-d12	64) Phenanthrene-d10	17.566	188	152735	20.000		
System Monitoring Compounds 3) 1,4-Dioxane-d8 3.529 96 3670 5.363 ng/uL 0.00 4) Pyridine-d5 3.999 84 8589m 4.371 ng/ul > 0.04 a (2	79) Chrysene-d12	21.872	240			-	0.00
3) 1,4-Dioxane-d8 4) Pyridine-d5 3.999 84 8589m	88) Perylene-d12	25.263	264	132436		•	
4) Pyridine-d5	System Monitoring Compounds						
7) Phenol-d5 7.384 99 10257 4.484 ng/ul 0.03 9) Bis-(2-Chloroethyl)eth 7.507 67 45138 30.768 ng/ul 0.00 11) 2-Chlorophenol-d4 7.730 132 35356 21.723 ng/ul 0.00 15) 4-Methylphenol-d8 8.923 113 22648 12.602 ng/ul 0.01 21) Nitrobenzene-d5 9.369 128 27231 31.468 ng/ul 0.00 24) 2-Nitrophenol-d4 10.098 143 27310 27.890 ng/ul 0.00 28) 2,4-Dichlorophenol-d3 10.662 165 40545 25.452 ng/ul 0.01 31) 4-Chloroaniline-d4 11.173 131 46836 20.102 ng/ul 0.01 46) Dimethylphthalate-d6 14.217 166 173134 33.419 ng/ul 0.00 49) Acenaphthylene-d8 14.516 160 219820 33.502 ng/ul 0.00 54) 4-Nitrophenol-d4 15.198 143 1747m > 2.240 ng/ul > 0.13(\(\frac{1}{2}\) \(\frac{1}{2}\) \(\frac{1}\) \(\frac{1}{2}\) \(\frac{1}{2}\) \(\frac{1}{2}\) \(\frac{1}\) \(3) 1,4-Dioxane-d8	3.529	96	3670	5.363	ng/uL	0.00
9) Bis-(2-Chloroethyl)eth 7.507 67 45138 30.768 ng/ul 0.00 11) 2-Chlorophenol-d4 7.730 132 35356 21.723 ng/ul 0.00 15) 4-Methylphenol-d8 8.923 113 22648 12.602 ng/ul 0.01 21) Nitrobenzene-d5 9.369 128 27231 31.468 ng/ul 0.00 24) 2-Nitrophenol-d4 10.098 143 27310 27.890 ng/ul 0.00 28) 2,4-Dichlorophenol-d3 10.662 165 40545 25.452 ng/ul 0.01 31) 4-Chloroaniline-d4 11.173 131 46836 20.102 ng/ul 0.01 46) Dimethylphthalate-d6 14.217 166 173134 33.419 ng/ul 0.00 49) Acenaphthylene-d8 14.516 160 219820 33.502 ng/ul 0.00 54) 4-Nitrophenol-d4 15.198 143 1747m > 2.240 ng/ul > 0.13(\(\lambda\left(\lambda\left(\lambda\left)\rangle\left(\lambda\left(\lambda\left)\rangle\left(\lambda\left)\rangle\left(\lambda\left(\lambda\left)\rangle\left(\lambda\left)\rangle\left(\lambda\left(\lambda\left)\rangle\left(\lambda\left)\rangle\left(\lambda\left(\lambda\left)\rangle\left(\lambda\left(\lambda\left)\rangle\left(\lambda\left)\rangle\left(\lambda\left(\lambda\left)\rangle\left(\lambda\left)\rangle\left(\lambda\left(\lambda\left)\rangle\left(\lambda\left)\rangle\left(\lambda\left(\lambda\left)\rangle\left(\lambda\left(\lambda\left)\rangle\left(\lambda\left(\lambda\left)\rangle\left(\lambda\left(\lambda\left)\rangle\left(\lambda\left)\rangle\left(\lambda\left(\lambda\left)\rangle\left(\lambda\left)\rangle\left(\lambda\left(\lambda\left)\rangle	4) Pyridine-d5	3.999	84	8589m 🗅	4.371	ng/ul ≻	0.04 12/1/12 Jy
11) 2-Chlorophenol-d4 7.730 132 35356 21.723 ng/ul 0.00 15) 4-Methylphenol-d8 8.923 113 22648 12.602 ng/ul 0.01 21) Nitrobenzene-d5 9.369 128 27231 31.468 ng/ul 0.00 24) 2-Nitrophenol-d4 10.098 143 27310 27.890 ng/ul 0.00 28) 2,4-Dichlorophenol-d3 10.662 165 40545 25.452 ng/ul 0.01 31) 4-Chloroaniline-d4 11.173 131 46836 20.102 ng/ul 0.01 46) Dimethylphthalate-d6 14.217 166 173134 33.419 ng/ul 0.00 49) Acenaphthylene-d8 14.516 160 219820 33.502 ng/ul 0.00 54) 4-Nitrophenol-d4 15.198 143 1747m > 2.240 ng/ul > 0.13(\(\lambda\left(\lambda\left(\lambda\left)\rangle\left(\lambda\left(\lambda\left)\rangle\left(\lambda\left)\rangle\left(\lambda\left)\rangle\left(\lambda\left(\lambda\left)\rangle\left(\lambda\left)\ran	•	7.384	99	10257	4.484	ng/ul	0.03
15) 4-Methylphenol-d8		7.507	67	45138	30.768	ng/ul	0.00
21) Nitrobenzene-d5 9.369 128 27231 31.468 ng/ul 0.00 24) 2-Nitrophenol-d4 10.098 143 27310 27.890 ng/ul 0.00 28) 2,4-Dichlorophenol-d3 10.662 165 40545 25.452 ng/ul 0.01 31) 4-Chloroaniline-d4 11.173 131 46836 20.102 ng/ul 0.01 46) Dimethylphthalate-d6 14.217 166 173134 33.419 ng/ul 0.00 49) Acenaphthylene-d8 14.516 160 219820 33.502 ng/ul 0.00 54) 4-Nitrophenol-d4 15.198 143 1747m > 2.240 ng/ul > 0.13(\(\lambda\) \(\lambda\) \(\lamb	11) 2-Chlorophenol-d4	7.730	132	35356	21.723	ng/ul	0.00
24) 2-Nitrophenol-d4	<pre>15) 4-Methylphenol-d8</pre>	8.923	113	22648	12.602	ng/ul	0.01
28) 2,4-Dichlorophenol-d3	21) Nitrobenzene-d5	9.369	128	27231	31.468	ng/ul	0.00
31) 4-Chloroaniline-d4 11.173 131 46836 20.102 ng/ul 0.01 46) Dimethylphthalate-d6 14.217 166 173134 33.419 ng/ul 0.00 49) Acenaphthylene-d8 14.516 160 219820 33.502 ng/ul 0.00 54) 4-Nitrophenol-d4 15.198 143 1747m > 2.240 ng/ul > 0.13(\(\lambda\) \(\lambda\) \(\lambda\			143			ng/ul	0.00
49) Acenaphthylene-d8 54) 4-Nitrophenol-d4 60) Fluorene-d10 55) 4,6-Dinitro-2-methylph 73) Anthracene-d10 81) Pyrene-d10 92) Benzo(a)pyrene-d12 Target Compounds 21,4-Dioxane 14.516 160 219820 33.502 ng/ul 0.00 1747m > 2.240 ng/ul > 0.13(\(\frac{1}{2}\)\(\f	28) 2,4-Dichlorophenol-d3	10.662	165	40545	25.452	ng/ul	0.01
49) Acenaphthylene-d8 54) 4-Nitrophenol-d4 60) Fluorene-d10 55) 4,6-Dinitro-2-methylph 73) Anthracene-d10 81) Pyrene-d10 92) Benzo(a)pyrene-d12 Target Compounds 21,4-Dioxane 14.516 160 219820 33.502 ng/ul 0.00 1747m > 2.240 ng/ul > 0.13(\(\frac{1}{2}\)\(\f	31) 4-Chloroaniline-d4	11.173	131	46836	20.102	ng/ul	0.01
49) Acenaphthylene-d8 54) 4-Nitrophenol-d4 60) Fluorene-d10 55) 4,6-Dinitro-2-methylph 73) Anthracene-d10 81) Pyrene-d10 92) Benzo(a)pyrene-d12 Target Compounds 21,4-Dioxane 14.516 160 219820 33.502 ng/ul 0.00 1747m > 2.240 ng/ul > 0.13(\(\frac{1}{2}\)\(\f	46) Dimethylphthalate-d6	14.217	166	173134	33.419	ng/ul	0.00
60) Fluorene-d10 15.809 176 157442 34.139 ng/ul 0.00 65) 4,6-Dinitro-2-methylph 15.956 200 24367 26.847 ng/ul 0.00 73) Anthracene-d10 17.671 188 273371 38.253 ng/ul 0.00 81) Pyrene-d10 19.951 212 315837 37.927 ng/ul 0.00 92) Benzo(a)pyrene-d12 25.028 264 272676 39.918 ng/ul 0.00 Target Compounds Qvalue 2) 1,4-Dioxane 3.570 88 794 1.040 ng/uL# 64	<pre>49) Acenaphthylene-d8</pre>		160	219820	33.502	ng/ul	0.00
60) Fluorene-d10	54) 4-Nitrophenol-d4	15.198	143	1747m >	> 2.240	ng/ul >	0.13(2//6/21 7)
73) Anthracene-d10 17.671 188 273371 38.253 ng/ul 0.00 81) Pyrene-d10 19.951 212 315837 37.927 ng/ul 0.00 92) Benzo(a)pyrene-d12 25.028 264 272676 39.918 ng/ul 0.00 Target Compounds Qvalue 2) 1,4-Dioxane 3.570 88 794 1.040 ng/uL# 64	60) Fluorene-d10	15.809	176				
81) Pyrene-d10 19.951 212 315837 37.927 ng/ul 0.00 92) Benzo(a)pyrene-d12 25.028 264 272676 39.918 ng/ul 0.00 Target Compounds Qvalue 2) 1,4-Dioxane 3.570 88 794 1.040 ng/uL# 64	65) 4,6-Dinitro-2-methylph	15.956	200			ng/ul	0.00
92) Benzo(a)pyrene-d12 25.028 264 272676 39.918 ng/ul 0.00 Target Compounds 2) 1,4-Dioxane 3.570 88 794 1.040 ng/uL# 64	73) Anthracene-d10	17.671	188	273371	38.253	ng/ul	0.00
Target Compounds Qvalue 2) 1,4-Dioxane 3.570 88 794 1.040 ng/uL# 64	81) Pyrene-d10	19.951	212	315837		ng/ul	0.00
2) 1,4-Dioxane 3.570 88 794 1.040 ng/uL# 64	92) Benzo(a)pyrene-d12	25.028	264	272676	39.918	ng/ul	0.00
	Target Compounds					Qval	.ue
86) Bis(2-ethylhexyl)phtha 21.702 149 38289 6.282 ng/ul 99			88	794	1.040	ng/uL#	64
-	86) Bis(2-ethylhexyl)phtha	21.702	149	38289			99

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